Lumecon

2023 CATALOG

Lumecon LED: Purpose-Built Solutions, Hand-Built with Pride in the USA.

2023 Catalog

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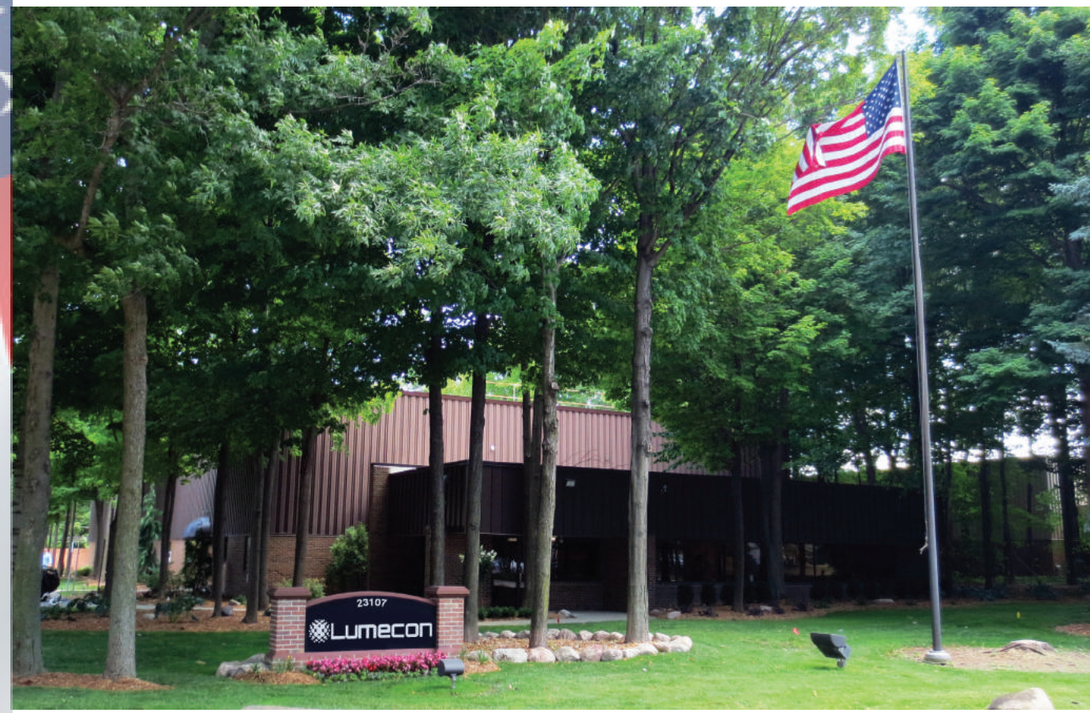
Lumecon

Lumecon LED: Purpose-Built Solutions, Hand-Built with Pride in the USA.



Founded in 2006, Lumecon is a proud manufacturer of high quality LED lighting that's affordable, creative and built to last. We continually support our local communities by sourcing from the brightest suppliers to create meaningful relationships with those around us. These relationships allow us to innovate LED technology, grow our people and provide world class service which exceeds the expectations of our customers. All products carry the Lumecon ETD™ (Enhanced Thermal Dissipation) System, 40kV Extreme Surge Protection and an Industry Leading 10-Year L70 All Parts Warranty to protect our customers investment.

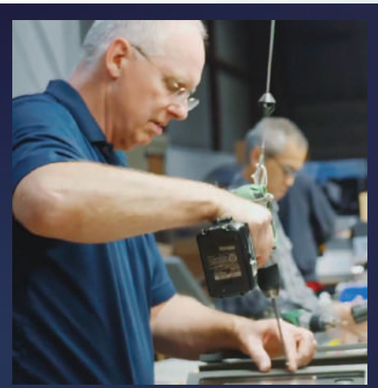
The Lumecon Difference begins with our technology and ends with our customers needs. Contact your local Lumecon Agent to see how our team can make your next project a success.

Pure Production

Lumecon is proud of Michigan and our Michigan Partners. Michigan is the epicenter of US manufacturing and engineering expertise and a leader in the global mobility community. Assembly plants manufacture 28 different cars and trucks. The automotive lighting market is expected to grow to over a $35 Billion market by the year 2025. It is this LED expertise that Lumecon is able to tap to purchase and manufacture top quality LED light engines and supporting product to produce high quality LED Lighting fixtures that will last for years to come.

- Michigan Made Technology
- Lumecon ETD™ System
- 40kV Extreme Surge Protection
- Industry Leading 10-Year L70 All Parts Warranty
- Meets Buy American requirements within the ARRA
- Complimentary Photometric Services
- Retrofitting Services

Lumecon



Our Process Begins In Michigan

ALUMINUM DIE-CAST

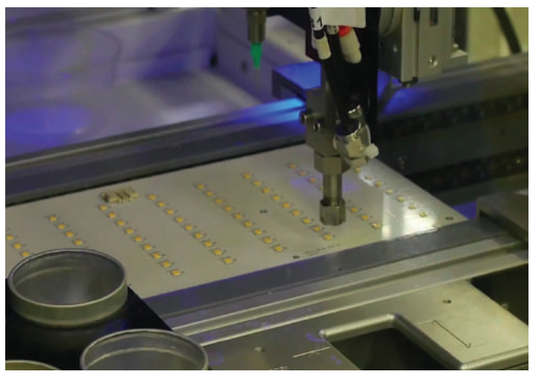
Lumecon Detroit Series fixtures start with the die-casting process in Muskegon, MI. Die-casting is a metal casting process that is characterized by forcing molten metal under high pressure into a mold cavity. The mold cavity is created using two hardened tool steel dies which have been machined into shape and work similarly to an injection mold during the process. Lumecon uses the die-casting process to assure an excellent surface finish and dimensional consistency assuring durability along with a consistent fixture look. The castings are finished with a TGIC polyester powder coating for maximum weather and corrosion resistance.

INJECTION MOLDING

Based in Charlevoix, MI our partner uses Optical Molding Process which is a specialized form of injection molding for lighting optics. Several of the Lumecon products offer a prismatic acrylic lens featuring precise prisms achievable only through the optical molding process. The prisms provide pleasing daytime “prismatic sparkle’ and provide excellent uniformity, light distribution and efficiency for nighttime performance.

LED PLACEMENT

Lumecon LED light engines are produced in the Detroit area, home to several highly qualified suppliers who have the ability to manufacture a Lumecon-designed thermally bonded LED light engine panel to provide maximum thermal dissipation to the exterior of the fixture and ensure long life. To protect the light engine panel from moisture and corrosion, the complete face of the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards and UL and IPC standards for flammability, moisture resistance and thermal shock. This technology boasts the most thermally-efficient light engine design in the LED lighting industry.



Lumecon Detroit Series™

The story of Lumecon's Detroit Series is heavily influenced by the cars and trucks Detroit has been producing for the past 100 years. The sleek lines of the design are reminiscent of the muscle cars and pick-ups giving the look a Motor City feel.

The Lumecon line of products are built to meet the unique needs of commercial, municipal and city projects. With a creative edge, Lumecon offers a wide variety of outdoor lighting solutions including Area Lights, Wall Packs and Floods that are both reliable and aesthetically pleasing.

The Detroit Series shows Lumecon's commitment to support Michigan-based firms:

- √ Product Development - Walled Lake, Michigan
- √ Die-Casting - Muskegon, Michigan
- √ Injection Molding - Charlevoix, Michigan
- √ Powder Coating - Flint, Michigan
- √ Polyurethane Gasketing - Wixom, Michigan
- √ LED Light Engine Manufacturing - Clinton Township, Michigan
- √ Final Assembly - Farmington Hills, Michigan
- √ Box and Packaging Supplies - Livonia, Michigan

The quality going into this line including 40kV Extreme Surge Protection plus a 10 year warranty makes the Detroit Series perfect for lighting:

- Parking Lots
- Entryways
- General Pedestrian Applications
- Building Facades
- Industrial Parks
- Roadways
- Campus Areas
- Commercial Centers

Lumecon | DETROIT SERIES

PROUDLY

INSPIRED

DESIGNED

ENGINEERED

CAST

INJECTED MOLDED

BUILT

DELIVERED

IN THE USA

Lumecon Detroit Series™

40kV EXTREME SURGE PROTECTION · MADE IN MICHIGAN · 10 YEAR WARRANTY · ETL Intertek · BUILD AMERICA BUY AMERICA ACT · DLC LISTED

LDS-FTM

The LDS-FTM, part of the exclusive Lumecon Detroit Series, offers a bold Detroit inspired design that preforms efficiently and reliably against rugged outdoor environment. Constructed of die-cast aluminum poured right here in Michigan, the LDS-FTM forward throw wall pack is ideal for distributing light in an outward direction. The LDS-FTM can replace up to a 175W HID one-for-one making it a perfect fixture for building facades, general security, storage areas, and entry door applications.

High Efficiency 2	Watts	Equiv	Delivered Lumens	Efficacy
LDS-FTM-10	10W	100W HID	1,420 Lm	142 LPW
LDS-FTM-15	15W	150W HID	2,010 Lm	134 LPW
LDS-FTM-20	20W	175W HID	2,720 Lm	136 LPW
LDS-FTM-35	35W	175W HID	4,760 Lm	136 LPW

Regular	Watts	Equiv	Delivered Lumens	Efficacy
LDS-FTM-10	10W	100W HID	1,087 Lm	112 LPW
LDS-FTM-15	15W	150W HID	1,523 Lm	105 LPW
LDS-FTM-20	20W	175W HID	2,018 Lm	96 LPW
LDS-FTM-35	35W	175W HID	3,360 Lm	96 LPW

Technical Specifications

Input Voltage: 120-277V or 347-480V

Housing: Die cast aluminum housing with hinged front frame and textured architectural bronze powder coat finish over a chromate conversion coating. 1/2" coin plugs with O-rings for conduit, photocell and/or occupancy installation.

Lens: Designed and injected molded in Michigan, our acrylic lens features precise prisms achievable only through injection molding. The prisms provide pleasing daytime "prismatic sparkle' and provide excellent uniformity, light distribution and efficiency for nighttime performance.

Mounting: Die cast aluminum back plate with cast-in template for mounting directly over a 4" recessed outlet box, or by use of ½" surface conduit.

Effective Projected Area (EPA): 0.35 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher, CRI 90+ available upon request.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Battery Back-Up Cold Rated (Optional): When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards. Cold rated to -20°C.

Certification Data: CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, UL1598 and UL 8750.

Manufacturing Origin: Built in Farmington Hills, MI with nearly all US parts and some foreign components.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Email: sales@lumecon.com Website: www.lumecon.com Phone: 248-477-5009
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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

LED Forward Throw Mini Wall Pack

Ordering Information

LDS-FTM – Options / Ordering Example: LDS-FTM-20-DB-1-NW-PC1

Wattage	Color	Voltage	Color Temperature	Output Version
10 - 10 Watts	DB - Dark Bronze	1 - 120v-277v	22 - 2200K	HE2 - High Efficiency 2
15 - 15 Watts	WH - White	2 - 347v-480v[1]	OW - 2700K	R - Regular
20 - 20 Watts	BK - Black		WW - 3000K	
35 - 35 Watts	GR - Gray		NW - 4000K	
	CC - Custom		CW - 5000K	
	AF - Automotive Finish			

Options & Accessories

BB - 120v-277v BBU*
** Requires external box*

PC1 - 120v-277v Button Eye Style

PC2 - 347v-480v Button Eye Style

OC1 - On/Off Occupancy Sensor

OC2 - Dim/High Occupancy Sensor

Color Option Samples

Due to variations in monitor settings and color printing settings, colors will not be exact.

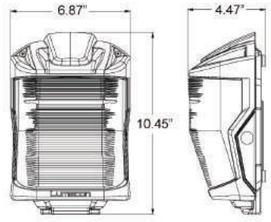
1. 347v-480v requires external box. Consider LDS-FT model if all-in-one housing is needed.

Length: 6.87"

Width: 4.47"

Height: 10.45"

Weight: 6.2 lbs



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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

LDS-FT

Introducing the Lumecon Detroit Series™ (LDS) Forward Throw Wall Pack. The LDS-FT offers a bold, rugged Detroit inspired design that performs efficiently and reliably in any outdoor environment. The tiered wattage / lumen packages deliver exactly the light output needed for the job without wasting energy or efficiency and is a perfect fixture for building facades, general security, storage areas, tunnel and entry door applications.

High Efficiency 2	Watts	Equiv	Delivered Lumens	Efficacy
LDS-FT-25	27W	175W HID	3,780 Lm	140 LPW
LDS-FT-35	35W	175W HID	4,795 Lm	137 LPW
LDS-FT-45	45W	250W HID	6,165 Lm	137 LPW
LDS-FT-55	55W	250W HID	7,535 Lm	137 LPW
LDS-FT-65	65W	250W HID	8,515 Lm	131 LPW
LDS-FT-80	80W	400W HID	10,480 Lm	131 LPW

Regular	Watts	Equiv	Delivered Lumens	Efficacy
LDS-FT-25	27W	175W HID	2,680 Lm	100 LPW
LDS-FT-35	35W	175W HID	3,668 Lm	105 LPW
LDS-FT-45	45W	250W HID	4,716 Lm	105 LPW
LDS-FT-55	55W	250W HID	5,764 Lm	105 LPW
LDS-FT-65	65W	250W HID	6,323 Lm	97 LPW
LDS-FT-80	80W	250W HID	7,782 Lm	97 LPW

Technical Specifications

Input Voltage: 120-277V or 347-480V

Housing: Die cast aluminum housing with hinged front frame and architectural bronze powder coat finish. 1/2" coin plugs with O-rings for conduit, photocell and/or occupancy installation.

Lens: Designed and injected molded in Michigan, our acrylic lens features precise prisms achievable only through injection molding. The prisms provide pleasing daytime "prismatic sparkle' and provide excellent uniformity, light distribution and efficiency for nighttime performance.

Mounting: Cast-in template for wall or junction box mounting. Mount directly over a 4" recessed outlet box, or use ½" surface conduit.

Effective Projected Area (EPA): 0.75 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: All Testing is done in the United States. CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80. Salt Fog tested for 2,000 hours per ASTM B117-16 / ASTM D610-08.

Luminaire Vibration Testing: Passed ANSI C136.31 Vibration testing for both "Normal" and "Bridge/Overpass" acceleration applications, simulating wind- and traffic-induced vibrations. The testing utilized the predetermined resonant frequency of the fixture, and was tested to 100,000 cycles in all 3 axes to a peak acceleration level of 3G.

Battery Back-Up Cold Rated (Optional): When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards. Cold rated to -20°C.

Occupancy Sensor (Optional): Microwave sensor technology rated for -40°F to 130°F. Available in on/off and dim/high functionality.

Manufacturing Origin: Built in Farmington Hills, MI with nearly all US parts and some foreign components.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

LED Forward Throw Wall Pack

Ordering Information

LDS – FT Options / Ordering Example: LDS-FT-25-DB-1-NW-PC1

Wattage	Color	Voltage	Color Temperature	Output Version
25 - 25 Watts	DB - Dark Bronze	1 - 120v-277v	22 - 2200K	HE2 - High Efficiency 2
35 - 35 Watts	WH - White	2 - 347v-480v	OW - 2700K	R - Regular
45 - 45 Watts	BK - Black		WW - 3000K	
55 - 55 Watts	GR - Gray		NW - 4000K	
65 - 65 Watts	CC - Custom		CW - 5000K	
80 - 80 Watts	AF - Automotive Finish			

Options & Accessories

BB - 120v-277v BBU*
** Requires external box*

PC1 - 120v-277v Button Eye Style

PC2 - 347v-480v Button Eye Style

OC1 - On/Off Occupancy Sensor

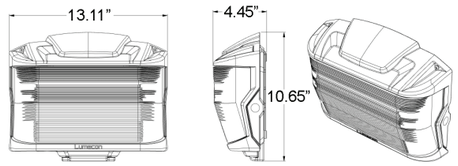
OC2 - Dim/High Occupancy Sensor

Color Option Samples

Due to variations in monitor settings and color printing settings, colors will not be exact.

Dimensions & Weight

Length: 13.11"
Width: 4.45"
Height: 10.65"
Weight: 9.9 lbs



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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

LDS-LFC

The sleek fixture design of the LDS-LFC is a blend of modern sophistication and unmatched energy efficiency. The LDS-LFC small area light includes the benefits of superior thermal efficiency, an industry-leading ten-year all-parts warranty, and custom optics ensuring best-in-class photometric results. Optimize photometric designs with greater pole spacing, uniformity, and lower energy usage. The LDS-LFC includes lumen packages up to 30,000 lumens allowing one-for-one replacements of existing HID fixtures up to 1000 Watt and is a perfect spec-grade solution for parking lots, pathways, tennis courts, and many other outdoor applications. Proudly Made in the USA.

Technical Specifications

Input Voltage: 120-277V or 347-480V.

Housing: Die-cast aluminum housing with 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally-friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum adhesion of the powder coating to the aluminum substrate. Housing features an integrated heat sink and driver compartment built into the fixture design.

Mounting: Mounting arm designed for a square / round pole (standard). Additional mounting options include a pole mounting arm adaptor.

Split Circuit: Optional

Effective Projected Area (EPA): 0.83 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance “hot spots” and use less wattage than typical LED area lights.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750. Ingress Protection: IP66 per ANSI/IEC 60529-2004. Passed 3G vibration @ 100K cycles, per ANSI C136.31-2018

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Dimulator Photo-Control: Maximize the cost-saving benefits of your outdoor LED light fixtures with the stand-alone Dimming solution. All Dimulators (except for CD and DIM 3 versions) have three selectable dimming levels (30%,50%, 70%) with three different start times (10:00 pm, Midnight, or 2:00 am), which are selectable through the ten position selector switch located on the bottom of the base. All dimming schedules will return to full brightness at 5:00 am. The stand-alone unit is made to work with the ANSI C136.41 receptacle and will provide dimming of LED fixtures.

Performance Data

Model			2200K				2700K				3000K				4000K				5000K			
	Distribution Type	Watts	Lumens	B	U	G	Efficacy	Lumens	B	U	G	Efficacy	Lumens	B	U	G	Efficacy	Lumens	B	U	G	Efficacy	Lumens	B	U	G	Efficacy
LDS-SAL/LFC-30	Type 2	30	2,904	1	0	1	98	3,739	1	0	1	131	3791	1	0	1	132	4378	1	0	1	147	4393	1	0	1	148
	Type 3	30	2,927	1	0	1	99	3,769	1	0	1	132	3821	1	0	1	133	4412	1	0	1	149	4428	1	0	1	149
	Type 4	30	2,878	1	0	1	97	3,706	1	0	1	129	3757	1	0	1	131	4357	1	0	1	146	4352	1	0	1	147
	Type 5	30	2,975	2	0	2	100	3,749	2	0	2	131	3801	2	0	2	133	4474	2	0	2	151	4491	2	0	2	151
LDS-SAL/LFC-45	Type 2	45	4899	1	0	1	103	6591	1	0	1	147	6683	1	0	1	149	6930	1	0	1	154	6975	1	0	1	155
	Type 3	45	4635	1	0	1	97	6356	1	0	1	141	6445	1	0	1	143	6570	1	0	1	146	6570	1	0	1	146
	Type 4	45	4591	1	0	1	96	6172	1	0	1	137	6259	1	0	1	139	6525	1	0	1	145	6525	1	0	1	145
	Type 5	45	4738	3	0	2	99	6370	3	0	2	142	6459	3	0	2	144	6705	3	0	2	149	6750	3	0	2	150
LDS-SAL/LFC-60	Type 2	60	5400	1	0	2	90	7620	1	0	2	127	7800	1	0	2	130	8100	1	0	2	135	8100	1	0	2	135
	Type 3	60	5400	2	0	2	90	7560	2	0	2	126	7680	2	0	2	128	8160	2	0	2	136	8220	2	0	2	137
	Type 4	60	5340	2	0	2	89	7440	2	0	2	124	7560	2	0	2	126	8040	2	0	2	134	8040	2	0	2	134
	Type 5	60	5520	3	0	3	92	7680	3	0	3	128	7800	3	0	3	130	8280	3	0	3	138	8340	3	0	3	139
LDS-SAL/LFC-75	Type 2	75	5700	2	0	2	76	8400	2	0	2	112	8550	2	0	2	114	8550	2	0	2	114	8775	2	0	2	117
	Type 3	75	5625	2	0	2	75	8325	2	0	2	111	8475	2	0	2	113	8475	2	0	2	113	8850	2	0	2	118
	Type 4	75	5925	2	0	2	79	8175	2	0	2	109	8325	2	0	2	111	8325	2	0	2	111	8700	2	0	2	116
	Type 5	75	6450	3	0	3	86	8400	3	0	3	112	8550	3	0	3	114	8925	3	0	3	119	8775	3	0	3	117
LDS-SAL/LFC-80	Type 2	80	7669	2	0	2	90	9128	2	0	2	111	9256	2	0	2	113	9293	2	0	2	114	9559	2	0	2	116
	Type 3	80	7575	3	0	3	89	9019	3	0	3	110	9146	3	0	3	112	9182	3	0	3	112	9630	3	0	3	117
	Type 4	80	7446	3	0	3	87	8865	3	0	3	108	8989	3	0	3	110	9024	3	0	3	111	9465	3	0	3	115
	Type 5	80	7685	4	0	2	90	9149	4	0	2	112	9277	4	0	2	114	10557	4	0	2	129	9550	4	0	2	116
LDS-SAL/LFC-85	Type 2	85	8949	2	0	2	105	10654	2	0	2	128	10796	2	0	2	129	11257	2	0	2	135	11719	2	0	2	141
	Type 3	85	9019	3	0	3	106	10737	3	0	3	129	10878	3	0	3	130	11344	3	0	3	136	11810	3	0	3	142
	Type 4	85	8696	3	0	3	102	10353	3	0	3	124	10495	3	0	3	126	10968	3	0	3	131	11440	3	0	3	138
	Type 5	85	9175	4	0	2	107	10923	4	0	2	131	11065	4	0	2	133	11540	4	0	2	138	12015	4	0	2	145
LDS-SAL/LFC-95	Type 2	95	10644	2	0	2	125	12672	2	0	2	135	12813	2	0	2	137	13275	2	0	2	142	13737	2	0	2	147
	Type 3	95	10713	3	0	3	126	12754	3	0	3	136	12896	3	0	3	138	13362	3	0	3	142	13828	3	0	3	148
	Type 4	95	10391	3	0	3	122	12371	3	0	3	132	12513	3	0	3	133	12986	3	0	3	138	13458	3	0	3	144
	Type 5	95	10870	4	0	2	127	12941	4	0	2	138	13083	4	0	2	140	13558	4	0	2	145	14033	4	0	2	150
LDS-SAL/LFC-110	Type 2	110	12502	2	0	2	114	14955	2	0	2	135	14487	2	0	2	131	14520	2	0	2	132	14520	2	0	2	132
	Type 3	110	12599	3	0	3	115	15072	3	0	3	137	14599	3	0	3	132	14637	3	0	3	133	14637	3	0	3	133
	Type 4	110	12146	3	0	3	111	14524	3	0	3	132	14350	3	0	3	130	14382	3	0	3	130	14382	3	0	3	130
	Type 5	110	12819	4	0	2	117	14698	4	0	2	133	14517	4	0	2	131	14549	4	0	2	132	14549	4	0	2	132
LDS-SAL/LFC-125	Type 2	125	13970	2	0	2	111	16712	2	0	2	133	16463	2	0	2	131	16225	2	0	2	129	16225	2	0	2	129
	Type 3	125	14079	3	0	3	112	16841	3	0	3	134	16590	3	0	3	132	16353	3	0	3	130	16353	3	0	3	130
	Type 4	125	13572	3	0	3	108	16236	3	0	3	129	16307	3	0	3	130	16072	3	0	3	128	16072	3	0	3	128
	Type 5	125	14000	4	0	2	112	16424	4	0	2	131	16496	4	0	2	131	16258	4	0	2	130	16258	4	0	2	130
LDS-SAL/LFC-160	Type 2	160	16962	2	0	2	108	20290	2	0	2	129	20575	2	0	2	131	21395	2	0	2	137	21395	2	0	2	137
	Type 3	160	17095	3	0	3	109	20449	3	0	3	130	20735	3	0	3	132	21554	3	0	3	138	21554	3	0	3	138
	Type 4	160	16802	3	0	3	107	20100	3	0	3	128	20381	3	0	3	129	21183	3	0	3	136	21183	3	0	3	136
	Type 5	160	17136	5	0	3	109	20659	5	0	3	131	20659	5	0	3	131	21429	5	0	3	137	21429	5	0	3	137
LDS-SAL/LFC-200	Type 2	200	19200	2	0	2	96	24600	2	0	2	123	24800	2	0	2	124	24400	2	0	2	122	25000	2	0	2	125
	Type 3	200	19400	3	0	3	97	24800	3	0	3	124	25000	3	0	3	125	24600	3	0	3	123	25600	3	0	3	128
	Type 4	200	19000	3	0	3	95	23400	3	0	3	117	24600	3	0	3	123	24200	3	0	3	121	24800	3	0	3	124
	Type 5	200	19200	4	0	2	96	24200	4	0	2	121	25000	4	0	2	125	24600	4	0	2	123	25000	4	0	2	125
LDS-SAL/LFC-220	Type 2	220	21120	2	0	2	96	27060	2	0	2	123	27280	2	0	2	124	27280	2	0	2	124	27280	2	0	2	124
	Type 3	220	21340	3	0	3	97	27280	3	0	3	124	27500	3	0	3	125	27500	3	0	3	125	27500	3	0	3	125
	Type 4	220	20900	3	0	3	95	25740	3	0	3	117	27060	3	0	3	123	27060	3	0	3	123	27060	3	0	3	123
	Type 5	220	21120	4	0	2	96	26620	4	0	2	121	27500	4	0	2	125	27060	4	0	2	125	27500	4	0	2	125

LED Full Cutoff Wall Pack

Ordering Information

LDS-LFC – Options / Ordering Example: LDS-LFC-110-DB-T5-1-40-WM

Wattage	Color	Distribution	Voltage	Color Temperature	Mounting Methods
30 - 30 Watts	DB - Dark Bronze	T2 - Type II	1 - 120v-277v	22 - 2200K [8]	WM - Wall Mount Bracket [8]
45 - 45 Watts	WH - White	T3 - Type III	2 - 347v-480v	27 - 2700K [8]	
60 - 60 Watts	BK - Black	T4 - Type IV		30 - 3000K [8]	
75 - 75 Watts	GR - Gray	T5 - Type V		40 - 4000K	
80 - 80 Watts	CC - Custom	NR - Narrow		50 - 5000K	
85 - 85 Watts	AF - Automotive Finish				
95 - 95 Watts					
110 - 110 Watts					
125 - 125 Watts					
160 - 160 Watts					
200 - 200 Watts					
220 - 220 Watts					

Accessories ordered as a separate line item:

33-00112 - External Glare Shield

33-00120 - Full Glare Snoot

Options & Accessories

R - Receptacle Only

RS - Receptacle Only with Shorting Cap

7P - Seven-pin Twist Lock Photocell Receptacle Only [1]

PC1 - 120v-277v Button Eye Photocell [2]

PC2 - 347v 480v Button Eye Photocell [2]

OC1 - On/Off [3]

OC2 - Dim/High [3,4]

OC3 - On/Off w/Photocell [3,4]

OC4 - Dim/High w/Photocell [3,4]

BB - Battery Back-Up (only available on the 30W - 80W models and on 120/277v models)

SC - Split Circuit [5,6,7]

CWMB - Cosmetic Wall Mount Bracket

DIM4 - 105-305 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-HV - High Voltage 312-530 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-CD - Constant all-night Dimming

DIM4-CD-HV - Constant all-night Dimming, 315-530 VAC 50/60Hz

DIM4-CUL - 120 VAC. 50/60 Hz, cUL certified version with gray cover

DIM4-ALC - Adaptive Lighting Control with 2% per year incremental increase to compensate for aging fixture

DIM3-XX - Factory set dimming schedule (10 position selector switch not available)

BS5 - Bird Spikes (Field Installed)

Notes:
1. For units with 7P the mounting must be restricted to +/-45º from horizontal aim per ANSI C1136.10-2010. If more than a 45º Tilt, use PC1 or PC2
2. Cannot be combined with Occupancy Sensor. Use OC3 or OC4 when Occupancy Sensor and Photocell are needed and aiming greater than 45º from horizontal.
3. Must note on PO Mounting Height for proper lens application
4. See Occupancy Sensor Default Settings Table
5. Split circuit is only available for 30W, 45W, 60W, and 80W models.
6. Split circuit is not compatible with Occupancy sensing our photo-eye control.
7. Split Circuit and Battery Back-up cannot both fit in the same housing. Battery Back-Up will require external. Battery Backup will only control one of the circuits.
8. 3000K or warmer, and fixed mounts must be ordered for IDA certification compliance.

Color Option Samples

Due to variations in monitor settings and color printing settings, colors will not be exact.

Length: 15.52”

Width: 13.25”

Height: 3.61”

Weight: 13 lbs

Email: sales@lumecon.com Website: www.lumecon.com Phone: 248-477-5009
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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

LDS-SAL

The sleek fixture design of the LDS-SAL is a blend of modern sophistication and unmatched energy efficiency. The LDS-SAL small area light includes the benefits of superior thermal efficiency, an industry-leading ten-year all-parts warranty, and custom optics ensuring best-in-class photometric results. Optimize photometric designs with greater pole spacing, uniformity, and lower energy usage. The LDS-SAL includes lumen packages up to 30,000 lumens allowing one-for-one replacements of existing HID fixtures up to 1000 Watt and is a perfect spec-grade solution for parking lots, pathways, tennis courts, and many other outdoor applications. Proudly Made in the USA.

Length: 19.25”
Width: 13.25”
Height: 4.35 / 6.70” (MAS) / 10.72” (SF)
Weight: 15 lbs

Technical Specifications

Input Voltage: 120-277V or 347-480V.

Housing: Die-cast aluminum housing with 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally-friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum adhesion of the powder coating to the aluminum substrate. Housing features an integrated heat sink and driver compartment built into the fixture design.

Mounting: Mounting arm designed for a square / round pole (standard). Additional mounting options include a pole mounting arm adaptor.

Split Circuit: Optional

Effective Projected Area (EPA): 0.83 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance “hot spots” and use less wattage than typical LED area lights.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750. Ingress Protection: IP66 per ANSI/IEC 60529-2004. Passed 3G vibration @ 100K cycles, per ANSI C136.31-2018.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Dimulator Photo-Control: Maximize the cost-saving benefits of your outdoor LED light fixtures with the stand-alone Dimming solution. All Dimulators (except for CD and DIM 3 versions) have three selectable dimming levels (30%,50%, 70%) with three different start times (10:00 pm, Midnight, or 2:00 am), which are selectable through the ten position selector switch located on the bottom of the base. All dimming schedules will return to full brightness at 5:00 am. The stand-alone unit is made to work with the ANSI C136.41 receptacle and will provide dimming of LED fixtures.

Performance Data

Model			2200K					2700K					3000K					4000K					5000K				
	Distribution Type	Watts	Lumens	B	U	G	Efficacy	Lumens	B	U	G	Efficacy	Lumens	B	U	G	Efficacy	Lumens	B	U	G	Efficacy	Lumens	B	U	G	Efficacy
LDS-SAL/LFC-30	Type 2	30	2,904	1	0	1	98	3,739	1	0	1	131	3791	1	0	1	132	4378	1	0	1	147	4393	1	0	1	148
	Type 3	30	2,927	1	0	1	99	3,769	1	0	1	132	3821	1	0	1	133	4412	1	0	1	149	4428	1	0	1	149
	Type 4	30	2,878	1	0	1	97	3,706	1	0	1	129	3757	1	0	1	131	4357	1	0	1	146	4352	1	0	1	147
	Type 5	30	2,975	2	0	2	100	3,749	2	0	2	131	3801	2	0	2	133	4474	2	0	2	151	4491	2	0	2	151
LDS-SAL/LFC-45	Type 2	45	4899	1	0	1	103	6591	1	0	1	147	6683	1	0	1	149	6930	1	0	1	154	6975	1	0	1	155
	Type 3	45	4635	1	0	1	97	6356	1	0	1	141	6445	1	0	1	143	6570	1	0	1	146	6570	1	0	1	146
	Type 4	45	4591	1	0	1	96	6172	1	0	1	137	6259	1	0	1	139	6525	1	0	1	145	6525	1	0	1	145
	Type 5	45	4738	3	0	2	99	6370	3	0	2	142	6459	3	0	2	144	6705	3	0	2	149	6750	3	0	2	150
LDS-SAL/LFC-60	Type 2	60	5400	1	0	2	90	7620	1	0	2	127	7800	1	0	2	130	8100	1	0	2	135	8100	1	0	2	135
	Type 3	60	5400	2	0	2	90	7560	2	0	2	126	7680	2	0	2	128	8160	2	0	2	136	8220	2	0	2	137
	Type 4	60	5340	2	0	2	89	7440	2	0	2	124	7560	2	0	2	126	8040	2	0	2	134	8040	2	0	2	134
	Type 5	60	5520	3	0	3	92	7680	3	0	3	128	7800	3	0	3	130	8280	3	0	3	138	8340	3	0	3	139
LDS-SAL/LFC-75	Type 2	75	5700	2	0	2	76	8400	2	0	2	112	8550	2	0	2	114	8550	2	0	2	114	8775	2	0	2	117
	Type 3	75	5625	2	0	2	75	8325	2	0	2	111	8475	2	0	2	113	8475	2	0	2	113	8850	2	0	2	118
	Type 4	75	5925	2	0	2	79	8175	2	0	2	109	8325	2	0	2	111	8325	2	0	2	111	8700	2	0	2	116
	Type 5	75	6450	3	0	3	86	8400	3	0	3	112	8550	3	0	3	114	8925	3	0	3	119	8775	3	0	3	117
LDS-SAL/LFC-80	Type 2	80	7669	2	0	2	90	9128	2	0	2	111	9256	2	0	2	113	9293	2	0	2	114	9559	2	0	2	116
	Type 3	80	7575	3	0	3	89	9019	3	0	3	110	9146	3	0	3	112	9182	3	0	3	112	9630	3	0	3	117
	Type 4	80	7446	3	0	3	87	8865	3	0	3	108	8989	3	0	3	110	9024	3	0	3	111	9465	3	0	3	115
	Type 5	80	7685	4	0	2	90	9149	4	0	2	112	9277	4	0	2	114	10557	4	0	2	129	9550	4	0	2	116
LDS-SAL/LFC-85	Type 2	85	8949	2	0	2	105	10654	2	0	2	128	10796	2	0	2	129	11257	2	0	2	135	11719	2	0	2	141
	Type 3	85	9019	3	0	3	106	10737	3	0	3	129	10878	3	0	3	130	11344	3	0	3	136	11810	3	0	3	142
	Type 4	85	8696	3	0	3	102	10353	3	0	3	124	10495	3	0	3	126	10968	3	0	3	131	11440	3	0	3	138
	Type 5	85	9175	4	0	2	107	10923	4	0	2	131	11065	4	0	2	133	11540	4	0	2	138	12015	4	0	2	145
LDS-SAL/LFC-95	Type 2	95	10644	2	0	2	125	12672	2	0	2	135	12813	2	0	2	137	13275	2	0	2	142	13737	2	0	2	147
	Type 3	95	10713	3	0	3	126	12754	3	0	3	136	12896	3	0	3	138	13362	3	0	3	142	13828	3	0	3	148
	Type 4	95	10391	3	0	3	122	12371	3	0	3	132	12513	3	0	3	133	12986	3	0	3	138	13458	3	0	3	144
	Type 5	95	10870	4	0	2	127	12941	4	0	2	138	13083	4	0	2	140	13558	4	0	2	145	14033	4	0	2	150
LDS-SAL/LFC-110	Type 2	110	12502	2	0	2	114	14955	2	0	2	135	14487	2	0	2	131	14520	2	0	2	132	14520	2	0	2	132
	Type 3	110	12599	3	0	3	115	15072	3	0	3	137	14599	3	0	3	132	14637	3	0	3	133	14637	3	0	3	133
	Type 4	110	12146	3	0	3	111	14524	3	0	3	132	14350	3	0	3	130	14382	3	0	3	130	14382	3	0	3	130
	Type 5	110	12819	4	0	2	117	14698	4	0	2	133	14517	4	0	2	131	14549	4	0	2	132	14549	4	0	2	132
LDS-SAL/LFC-125	Type 2	125	13970	2	0	2	111	16712	2	0	2	133	16463	2	0	2	131	16225	2	0	2	129	16225	2	0	2	129
	Type 3	125	14079	3	0	3	112	16841	3	0	3	134	16590	3	0	3	132	16353	3	0	3	130	16353	3	0	3	130
	Type 4	125	13572	3	0	3	108	16236	3	0	3	129	16307	3	0	3	130	16072	3	0	3	128	16072	3	0	3	128
	Type 5	125	14000	4	0	2	112	16424	4	0	2	131	16496	4	0	2	131	16258	4	0	2	130	16258	4	0	2	130
LDS-SAL/LFC-160	Type 2	160	16962	2	0	2	108	20290	2	0	2	129	20575	2	0	2	131	21395	2	0	2	137	21395	2	0	2	137
	Type 3	160	17095	3	0	3	109	20449	3	0	3	130	20735	3	0	3	132	21554	3	0	3	138	21554	3	0	3	138
	Type 4	160	16802	3	0	3	107	20100	3	0	3	128	20381	3	0	3	129	21183	3	0	3	136	21183	3	0	3	136
	Type 5	160	17136	5	0	3	109	20659	5	0	3	131	20659	5	0	3	131	21429	5	0	3	137	21429	5	0	3	137
LDS-SAL/LFC-200	Type 2	200	19200	2	0	2	96	24600	2	0	2	123	24800	2	0	2	124	24400	2	0	2	122	25000	2	0	2	125
	Type 3	200	19400	3	0	3	97	24800	3	0	3	124	25000	3	0	3	125	24600	3	0	3	123	25600	3	0	3	128
	Type 4	200	19000	3	0	3	95	23400	3	0	3	117	24600	3	0	3	123	24200	3	0	3	121	24800	3	0	3	124
	Type 5	200	19200	4	0	2	96	24200	4	0	2	121	25000	4	0	2	125	24600	4	0	2	123	25000	4	0	2	125
LDS-SAL/LFC-220	Type 2	220	21120	2	0	2	96	27060	2	0	2	123	27280	2	0	2	124	27280	2	0	2	124	27280	2	0	2	124
	Type 3	220	21340	3	0	3	97	27280	3	0	3	124	27500	3	0	3	125	27500	3	0	3	125	27500	3	0	3	125
	Type 4	220	20900	3	0	3	95	25740	3	0	3	117	27060	3	0	3	123	27060	3	0	3	123	27060	3	0	3	123
	Type 5	220	21120	4	0	2	96	26620	4	0	2	121	27500	4	0	2	125	27060	4	0	2	125	27500	4	0	2	125

LED Small Area Light

Ordering Information

LDS-SAL – Options / Ordering Example: LDS-SAL-110-DB-T5-1-50-MAS

Wattage	Color	Distribution	Voltage	Color Temperature	Mounting Methods
30 - 30 Watts	DB - Dark Bronze	T2 - Type II	1 - 120v-277v	22 - 2200K [8]	MAS - Mounting Arm (Square Pole) [8]
45 - 45 Watts	WH - White	T3 - Type III	2 - 347v-480v	27 - 2700K [8]	MAR - Mounting Arm (Round Pole) [8]
60 - 60 Watts	BK - Black	T4 - Type IV		30 - 3000K [8]	SF - Slip Fitter
75 - 75 Watts	GR - Gray	T5 - Type V		40 - 4000K	TM - Tenon Mount [8]
80 - 80 Watts	CC - Custom			50 - 5000K	
85 - 85 Watts	AF - Automotive Finish				
95 - 95 Watts					
110 - 110 Watts					
125 - 125 Watts					
160 - 160 Watts					
200 - 200 Watts					
220 - 220 Watts					

Accessories ordered as a separate line item:

33-00112 - External Glare Shield

33-00120 - Full Glare Snoot

Options & Accessories

UARP - Universal Adaptor Round Pole

R - Receptacle Only

RS - Receptacle Only with Shorting Cap

7P - Seven-pin Twist Lock Photocell Receptacle Only [1]

PC1 - 120v-277v Button Eye Photocell [2]

PC2 - 347v-480v Button Eye Photocell [2]

PC3 - 120v-277v Twist Lock Photocell (10 year warranty)

PC4 - 347v-480v Twist Lock Photocell (10 year warranty)

OC1 - On/Off [3]

OC2 - Dim/High [3,4]

OC3 - On/Off w/Photocell [3]

OC4 - Dim/High w/Photocell [3,4]

SC - Split Circuit [5,6,7]

DIM4 - 105-305 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-HV - High Voltage 312-530 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-CD - Constant all-night Dimming

DIM4-CD-HV - Constant all-night Dimming, 315-530 VAC 50/60Hz

DIM4-CUL - 120 VAC. 50/60 Hz, cUL certified version with gray cover

DIM4-ALC - Adaptive Lighting Control with 2% per year incremental increase to compensate for aging fixture

DIM3-XX - Factory set dimming schedule (10 position selector switch not available)

BS5 - Bird Spikes (Field Installed)

Notes:
1. For units with 7P the mounting must be restricted to +/-45º from horizontal aim per ANSI C1136.10-2010. If more than a 45º Tilt, use PC1 or PC2
2. Cannot be combined with Occupancy Sensor. Use OC3 or OC4 when Occupancy Sensor and Photocell are needed and aiming greater than 45º from horizontal.
3. Must note on PO Mounting Height for proper lens application
4. See Occupancy Sensor Default Settings Table
5. Split circuit is only available for 30W, 45W, 60W, and 80W models.
6. Split circuit is not compatible with Occupancy sensing our photo-eye control.
7. Split Circuit and Battery Back-up cannot both fit in the same housing. Battery Back-Up will require external. Battery Backup will only control one of the circuits.
8. 3000K or warmer, and fixed mounts must be ordered for IDA certification compliance.

Color Option Samples

Due to variations in monitor settings and color printing settings, colors will not be exact.

Email: sales@lumecon.com Website: www.lumecon.com Phone: 248-477-5009
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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

LDS-LAL

The sleek fixture design of the LDS-LAL is a blend of modern sophistication and unmatched energy efficiency. The LDS-LAL Large area light includes the benefits of superior thermal efficiency, an industry-leading ten-year all-parts warranty, and custom optics ensuring best-in-class photometric results. Optimize photometric designs with greater pole spacing, uniformity, and lower energy usage. The LDS-LAL includes lumen packages up to 50,000 lumens allowing one-for-one replacements of existing HID fixtures up to 1000 Watt, and is a perfect spec-grade solution for parking lots, pathways, tennis courts, and many other outdoor applications. Proudly Made in the USA.

Length: 32.19”

Width: 15.56”

Height: 5.48” (MAS)
10.74” (SF)

Weight: 34.5 lbs

Technical Specifications

Input Voltage: 120-277V or 347-480V.

Housing: Die-cast aluminum housing with 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally-friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum adhesion of the powder coating to the aluminum substrate. Housing features an integrated heat sink and driver compartment built into the fixture design.

Mounting: Mounting arm designed for a square / round pole (standard). Additional mounting options include a pole mounting arm adaptor.

Split Circuit - Standard except on the 165W model.

Effective Projected Area (EPA): 1.05 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 70 or higher. CRI80+ available upon request.
CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance “hot spots” and use less wattage than typical LED area lights.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750. Ingress Protection: IP66 per ANSI/IEC 60529-2004. Passed 3G vibration @ 100K cycles, per ANSI C136.31-2018.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Dimulator Photo-Control: Maximize the cost-saving benefits of your outdoor LED light fixtures with the stand-alone Dimming solution. All Dimulators (except for CD and DIM 3 versions) have three selectable dimming levels (30%,50%, 70%) with three different start times (10:00 pm, Midnight, or 2:00 am), which are selectable through the ten position selector switch located on the bottom of the base. All dimming schedules will return to full brightness at 5:00 am. The stand-alone unit is made to work with the ANSI C136.41 receptacle and will provide dimming of LED fixtures.

Performance Data

			2200K		2700K		3000K		4000K		5000K	
Model	Distribution Type	Watts	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
LDS-LAL-165	Type 2	165W	20,701	127	23,796	146	25,492	156	26,496	162	26,496	162
	Type 3	165W	20,504	126	23,569	145	25,249	155	26,239	161	26,251	161
	Type 4	165W	19,794	123	23,174	144	24,923	154	26,118	160	26,127	160
	Type 5	165W	20,359	126	23,406	145	25,258	156	26,249	162	26,260	162
LDS-LAL-200	Type 2	200W	24,317	122	27,952	140	29,945	150	31,114	156	31,133	156
	Type 3	200W	24,137	121	27,745	139	29,723	149	30,883	155	30,902	155
	Type 4	200W	23,972	120	27,555	138	29,519	148	30,672	153	30,691	154
	Type 5	200W	24,257	121	27,883	140	29,871	149	31,035	155	31,056	155
LDS-LAL-250	Type 2	242W	28,741	119	33,037	136	35,392	146	36,773	152	36,796	152
	Type 3	242W	28,528	118	32,792	135	35,130	145	36,501	151	36,524	151
	Type 4	242W	28,333	117	32,569	134	34,889	144	36,251	150	36,274	150
	Type 5	242W	28,670	118	32,955	136	35,305	146	36,670	151	36,705	151
LDS-LAL-275	Type 2	276W	31,682	115	36,418	132	39,014	141	40,537	147	40,562	147
	Type 3	276W	31,447	114	36,147	131	38,725	140	40,236	146	40,261	146
	Type 4	276W	31,232	113	35,901	130	38,460	19	39,961	145	39,986	145
	Type 5	276W	31,604	115	36,329	132	38,917	141	40,443	147	40,462	147
LDS-LAL-300	Type 2	293W	33,128	113	38,080	130	40,794	139	42,386	145	42,413	145
	Type 3	293W	32,882	112	37,797	129	40,492	138	42,072	144	42,098	144
	Type 4	293W	32,657	112	37,539	128	40,215	137	41,785	143	41810	143
	Type 5	293W	33,046	113	37,985	130	40,693	139	42,280	144	42,308	144
LDS-LAL-330	Type 2	332W	35,670	108	42,558	129	45,592	137	47,371	143	47,401	143
	Type 3	332W	34,708	105	41,410	125	43,668	132	46,089	139	46,126	139
	Type 4	330W	33,491	105	40,874	123	43,084	131	45,194	137	45,216	137
	Type 5	331W	33,538	107	42,453	128	44,697	135	47,051	143	47,180	142

LED Large Area Light

Ordering Information

LDS-LAL – Options / Ordering Example: LDS-LAL-200-DB-T5-1-50-MAS

Wattage	Color	Distribution	Voltage	Color Temperature	Mounting Methods
165 - 165 Watts	DB - Dark Bronze	T2 - Type II	1 - 120v-277v	22 - 2200K [5]	MAS - Mounting Arm (Square Pole) [5]
200 - 200 Watts	WH - White	T3 - Type III	2 - 347v-480v	27 - 2700K [5]	MAR - Mounting Arm (Round Pole) [5]
250 - 250 Watts	BK - Black	T4 - Type IV		30 - 3000K [5]	SF - Slip Fitter
275 - 275 Watts	GR - Gray	T5 - Type V		40 - 4000K	TM - Tenon Mount [5]
300 - 300 Watts	CC - Custom Color			50 - 5000K	
330 - 330 Watts	AF - Automotive Finish				

Accessories ordered as a separate line item:

33-00111 - External Glare Shield

33-00119 - Full Glare Snoot

Options & Accessories

UARP - Universal Adaptor Round Pole

R - Receptacle Only

RS - Receptacle Only with Shorting Cap

7P - Seven-pin Twist Lock Photocell Receptacle Only [1]

PC1 - 120v-277v Button Eye Photocell [2]

PC2 - 347v-480v Button Eye Photocell [2]

PC3 - 120v-277v Twist Lock Photocell (10 year warranty)

PC4 - 347v-480v Twist Lock Photocell (10 year warranty)

OC1 - On/Off Occupancy Sensor [3]

OC2 - Dim/High Occupancy Sensor [3,4]

OC3 - On/Off Occupancy Sensor w/Photocell [3]

OC4 - Dim/High Occupancy Sensor w/Photocell [3,4]

SC - Split Circuit (Standard except on the 165W model)

DIM4 - 105-305 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-HV - High Voltage 312-530 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-CD - Constant all-night Dimming

DIM4-CD-HV - Constant all-night Dimming, 315-530 VAC 50/60Hz

DIM4-CUL - 120 VAC. 50/60 Hz, cUL certified version with gray cover

DIM4-ALC - Adaptive Lighting Control with 2% per year incremental increase to compensate for aging fixture

DIM3-XX - Factory set dimming schedule (10 position selector switch not available)

BS5 - Bird Spikes (Field Installed)

Notes:
1. For units with 7P the mounting must be restricted to +/-45° from horizontal aim per ANSI C1136.10-2010. If more than a 45° Tilt, use PC1 or PC2
2. Cannot be combined with Occupancy Sensor. Use OC3 or OC4 when Occupancy Sensor and Photocell are needed and aiming greater than 45° from horizontal.
3. Must note on PO Mounting Height for proper lens application
4. See Occupancy Sensor Default Settings Table
5. 3000K or warmer, and fixed mounts must be ordered for IDA certification compliance

Color Option Samples

Due to variations in monitor settings and color printing settings, colors will not be exact.

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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

LDS-SFL

The sleek fixture design of the LDS-SFL is a blend of modern sophistication and unmatched energy efficiency. The LDS-SFL small area light includes the benefits of superior thermal efficiency, an industry-leading ten-year all-parts warranty, and custom optics ensuring best-in-class photometric results. Optimize photometric designs with greater pole spacing, uniformity, and lower energy usage. The LDS-SFL includes lumen packages up to 30,000 lumens allowing one-for-one replacements of existing HID fixtures up to 1000 Watt and is a perfect spec-grade solution for parking lots, pathways, tennis courts, and many other outdoor applications. Proudly Made in the USA.

Length: 19.38" (SF) 21.71" (SB)

Height: 20.43" (SF) 20.68" (SB)

Width: 13.25"

Weight: 15 lbs

Technical Specifications

Input Voltage: 120-277V or 347-480V.

Housing: Die-cast aluminum housing with 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally-friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum adhesion of the powder coating to the aluminum substrate. Housing features an integrated heat sink and driver compartment built into the fixture design

Mounting: Two-piece swivel bracket (standard). Additional mounting options include: slip fitter.

Split Circuit: Optional

Effective Projected Area (EPA): 1.75 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "hot spots" and use less wattage than typical LED area lights.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750. Ingress Protection: IP66 per ANSI/IEC 60529-2004. Passed 3G vibration @ 100K cycles, per ANSI C136.31-2018.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Dimulator Photo-Control: Maximize the cost-saving benefits of your outdoor LED light fixtures with the stand-alone Dimming solution. All Dimulators (except for CD and DIM 3 versions) have three selectable dimming levels (30%,50%, 70%) with three different start times (10:00 pm, Midnight, or 2:00 am), which are selectable through the ten position selector switch located on the bottom of the base. All dimming schedules will return to full brightness at 5:00 am. The stand-alone unit is made to work with the ANSI C136.41 receptacle and will provide dimming of LED fixtures.

Performance Data

Model			2200K		2700K		3000K		4000K		5000K	
	Distribution	Watts	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
LDS-SFL-30	ST	30	3000	100	3930	131	3990	133	4530	151	4530	151
	NR	30	3120	104	4050	135	4110	137	4680	156	4680	156
LDS-SFL-45	ST	45	4455	99	6390	142	6480	144	6705	149	6750	150
	NR	45	4635	103	6615	147	6705	149	6930	154	6975	155
LDS-SFL-60	ST	60	5520	92	7680	128	7800	130	8280	138	8280	138
	NR	60	5700	95	7920	132	8040	134	7140	119	8580	143
LDS-SFL-75	ST	75	6450	86	8400	112	8550	114	8925	119	8775	117
	NR	75	6675	89	8700	116	8850	118	9300	124	9075	121
LDS-SFL-80	ST	80	9280	116	9149	112	9277	114	10557	129	9550	116
	NR	80	9680	121	9467	116	9599	118	10916	134	9908	121
LDS-SFL-85	ST	85	9175	107	10923	131	11065	133	11540	138	12015	145
	NR	85	10285	121	11161	134	11303	136	11790	141	12277	148
LDS-SFL-95	ST	95	10870	127	12941	138	13083	140	13558	145	14033	150
	NR	95	11070	130	13179	141	13321	142	13808	147	14295	153
LDS-SFL-110	ST	110	12891	117	14698	133	14517	132	14549	133	14549	133
	NR	110	13093	119	15197	138	15010	137	15044	137	15044	137
LDS-SFL-125	ST	125	14000	112	16424	131	16496	131	16258	130	16258	130
	NR	125	14476	115	16983	135	17057	136	16824	134	16824	134
LDS-SFL-160	ST	160	17136	109	20659	131	20659	131	21429	137	21429	137
	NR	160	17718	113	21353	136	21652	138	22149	142	22149	138
LDS-SFL-200	ST	200	19200	96	24200	121	25000	125	24600	123	25000	125
	NR	200	20200	101	25200	126	26000	130	25600	128	26000	130
LDS-SFL-220	ST	220	21120	96	26620	121	27500	125	27060	123	27500	125
	NR	220	22220	101	27720	126	28600	130	28160	128	28600	130

LED Small Flood Light

Ordering Information

LDS-SFL – Options / Ordering Example: LDS-SFL-110-DB-ST-1-50-SB

Wattage	Color	Distribution	Voltage	Color Temperature	Mounting Methods
30 - 30 Watts	DB - Dark Bronze	ST - Standard	1 - 120v-277v	22 - 2200K	SF - Slip Fitter
45 - 45 Watts	GR - Gray	NR - Narrow	2 - 347v-480v	27 - 2700K	SB - Swivel Bracket
60 - 60 Watts	BK - Black			30 - 3000K	
75 - 75 Watts	WH - White			40 - 4000K	
80 - 80 Watts	CC - Custom Color			50 - 5000K	
85 - 85 Watts	AF - Automotive Finish				
95 - 95 Watts					
110 - 110 Watts					
125 - 125 Watts					
160 - 160 Watts					
200 - 200 Watts					
220 - 220 Watts					

Accessories ordered as a separate line item:

33-00112 - External Glare Shield

33-00120 - Full Glare Snoot

Options & Accessories

R - Receptacle Only

RS - Receptacle Only with Shorting Cap

7P - Seven-pin Twist Lock Photocell Receptacle Only [1]

PC1 - 120v-277v Button Eye Photocell [2]

PC2 - 347v 480v Button Eye Photocell [2]

PC3 - 120v-277v Twist Lock Photocell (10 year warranty)

PC4 - 347v-480v Twist Lock Photocell (10 year warranty)

OC1 - On/Off [3]

OC2 - Dim/High [3,4]

OC3 - On/Off w/Photocell [3]

OC4 - Dim/High w/Photocell [3,4]

SC - Split Circuit [5,6,7]

DIM4 - 105-305 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-HV - High Voltage 312-530 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-CD - Constant all-night Dimming

DIM4-CD-HV - Constant all-night Dimming, 315-530 VAC 50/60Hz

DIM4-CUL - 120 VAC. 50/60 Hz, cUL certified version with gray cover

DIM4-ALC - Adaptive Lighting Control with 2% per year incremental increase to compensate for aging fixture

DIM3-XX - Factory set dimming schedule (10 position selector switch not available)

BS5 - Bird Spikes (Field Installed)

Notes:
1. For units with 7P the mounting must be restricted to +/-45° from horizontal aim per ANSI C1136.10-2010. If more than a 45° Tilt, use PC1 or PC2
2. Cannot be combined with Occupancy Sensor. Use OC3 or OC4 when Occupancy Sensor and Photocell are needed and aiming greater than 45° from horizontal.
3. Must note on PO Mounting Height for proper lens application
4. See Occupancy Sensor Default Settings Table
5. Split circuit is only available for 30W, 45W, 60W, and 80W models.
6. Split circuit is not compatible with Occupancy sensing our photo-eye control.
7. Split Circuit and Battery Back-up cannot both fit in the same housing. Battery Back-Up will require external. Battery Backup will only control one of the circuits

Color Option Samples

Due to variations in monitor settings and color printing settings, colors will not be exact.

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LDS-LFL

The sleek fixture design of the LDS-LFL is a blend of modern sophistication and unmatched energy efficiency. The LDS-LFL Large area light includes the benefits of superior thermal efficiency, an industry-leading ten-year all-parts warranty, and custom optics ensuring best-in-class photometric results. Optimize photometric designs with greater pole spacing, uniformity, and lower energy usage. The LDS-LFL includes lumen packages up to 50,000 lumens allowing one-for-one replacements of existing HID fixtures up to 1000 Watt, and is a perfect spec-grade solution for parking lots, pathways, tennis courts, and many other outdoor applications. Proudly Made in the USA.

Length: 32.19"
Height: 10.74" (SF)
Width: 15.56"
Weight: 34.5 lbs

Technical Specifications

Input Voltage: 120-277V or 347-480V.

Housing: Die-cast aluminum housing with 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally-friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum adhesion of the powder coating to the aluminum substrate. Housing features an integrated heat sink and driver compartment built into the fixture design.

Mounting: Two-piece swivel bracket (standard). Additional mounting options include: slip fitter.

Split Circuit: Standard except on the 165W model.

Effective Projected Area (EPA): 3.60 ft²

Color Temperature: 2200K, 2700K, 3000K**,** 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "hot spots" and use less wattage than typical LED area lights.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750. Ingress Protection: IP66 per ANSI/IEC 60529-2004. Passed 3G vibration @ 100K cycles, per ANSI C136.31-2018.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Performance Data

			2200K		2700K		3000K		4000K		5000K	
	Distribution Type	Watts	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
LDS-LFL-165	Standard	165W	20,359	126	23,406	145	25,258	156	26,249	162	26,260	162
	Narrow	165W	21,135	130	24,294	149	26,026	160	27,042	166	27,060	166
LDS-LFL-200	Standard	200W	24,257	121	27,883	140	29,871	149	31,035	155	31,056	155
	Narrow	200W	24,887	125	28,607	143	30,647	153	31,843	159	31,863	159
LDS-LFL-250	Standard	242W	28,670	118	32,955	136	35,305	146	36,670	151	36,705	151
	Narrow	242W	29,414	121	33,811	140	36,222	149	37,636	155	37,659	155
LDS-LFL-275	Standard	276W	31,604	115	36,328	132	38,917	141	40,443	147	40,462	147
	Narrow	276W	32,425	118	37,271	135	39,928	145	41,487	150	41,513	151
LDS-LFL-300	Standard	293W	33,046	113	37,985	130	40,693	139	42,280	144	42,308	144
	Narrow	293W	33,904	116	38,972	133	41,750	143	43,380	148	43,407	148
LDS-LFL-330	Standard	331W	33,538	107	42,453	128	44,697	135	47,051	143	47,180	142
	Narrow	331W	35,532	107	42,393	128	44,663	135	47,144	142	47,099	142

LED Large Flood Light

Ordering Information

LDS-LFL – Options / Ordering Example: LDS-LFL-200-DB-ST-1-50-SF

Wattage	Color	Distribution	Voltage	Color Temperature	Mounting Methods
165 - 165 Watts	DB - Dark Bronze	ST - Standard	1 - 120v-277v	22 - 2200K	SF - Slip Fitter
200 - 200 Watts	GR - Gray	NR - Narrow	2 - 347v-480v	27 - 2700K	SB - Swivel Bracket
250 - 250 Watts	BK - Black			30 - 3000K	
300 - 300 Watts	WH - White			40 - 4000K	
330 - 330 Watts	CC - Custom Color			50 - 5000K	
	AF - Automotive Finish				

Accessories ordered as a separate line item:

33-00111 - External Glare Shield

33-00119 - Full Glare Snoot

Options & Accessories

R - Receptacle Only

RS - Receptacle Only with Shorting Cap

7P - Seven-pin Twist Lock Photocell Receptacle Only[1]

PC1 - 120v-277v Button Eye Photocell[2]

PC2 - 347v 480v Button Eye Photocell[2]

PC3 - 120v-277v Twist Lock Photocell (10 year warranty)

PC4 - 347v-480v Twist Lock Photocell (10 year warranty)

OC1 - On/Off Occupancy Sensor[3]

OC2 - Dim/High Occupancy Sensor[3,4]

OC3 - On/Off Occupancy Sensor w/Photocell[3]

OC4 - Dim/High Occupancy Sensor w/Photocell[3,4]

SC - Split Circuit (Standard except on the 165W model.)

DIM4 - 105-305 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-HV - High Voltage 312-530 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-CD - Constant all-night Dimming

DIM4-CD-HV - Constant all-night Dimming, 315-530 VAC 50/60Hz

DIM4-CUL - 120 VAC. 50/60 Hz, cUL certified version with gray cover

DIM4-ALC - Adaptive Lighting Control with 2% per year incremental increase to compensate for aging fixture

DIM3-XX - Factory set dimming schedule (10 position selector switch not available)

BS5 - Bird Spikes (Field Installed)

Notes:
1. For units with 7P the mounting must be restricted to +/-45º from horizontal aim per ANSI C1136.10-2010. If more than a 45º Tilt, use PC1 or PC2
2. Cannot be combined with Occupancy Sensor. Use OC3 or OC4 when Occupancy Sensor and Photocell are needed and aiming greater than 45º from horizontal.
3. Must note on PO Mounting Height for proper lens application
4. See Occupancy Sensor Default Settings Table

Color Option Samples

Due to variations in monitor settings and color printing settings, colors will not be exact.

Lumecon | DETROIT SERIES

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FEATURE PRODUCTS

Lumecon Workmen Series

LED Flood Lights and Wall Packs

Replace Traditional Lighting with Improved Light Output, Updated Architectural Design and Affordable Pricing.

Modern and Contemporary Design

Preferred by architects, lighting consultants, and contractors alike, the low-profile aesthetic of the Workmen Series is perfect for any commercial or industrial conversion.

- Enhance your project's ROI with both kw/H savings as well as maintenance-free lighting for 10 years.
- Custom colors, various mounting methods and easy installation for complete customization.

New Outputs and Full Range of Color Temperatures

The Flood Lights and Wall Pack fixtures are each available in 2 sizes and come in a variety of lumen outputs and color temperatures perfect for site-wide applications.

- Broad beam flood lights and perimeter lighting applications create safe access and security.
- Dark Sky Friendly color temperature options reduce light trespass and diminishes light pollution.

Offering New Pricing and In-Stock Options

Contractors and Distributors demand competitive pricing and availability.

- Distributor in-stock options or design specific, made-to-order fixtures.
- Includes photometric layout and design for optimal precision optic distribution.

Industry-Leading 10 Year Warranty

Lumecon WORKMEN SERIES

The Lumecon Workmen Series Is As Tough As It Sounds

Each fixture is built specifically right here in the USA with rugged ingenuity to withstand the rigors of everyday indoor/outdoor lighting.

LUMECON ETD™ SYSTEM

The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

CERTIFIED, TESTED & APPROVED

Each Lumecon product undergoes a through vetting process to become Buy American Act Compliant, meet Design Lighting Consortium (DLC) standards, and is tested to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598 and UL 8750.

EXTREME SURGE PROTECTION

Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

PHOTOMETRIC SERVICES

We want your lighting project to exceed your expectations. Lumecon's free lighting layout service helps design and build your lighting projects and bring them to life. Adhering to recommended practices for lighting, we can help meet proper illumination levels by using the state of the art AGi32 lighting software.

WARRANTY

Our Michigan-Made LED fixture line-up is built to last. This is why we offer an industry leading 10-Year L70 All-Parts Warranty on every product that leaves our warehouse. All products are engineered to depreciate no more than 30% in light output for a minimum of 100,000 hours.

CUSTOMIZABLE

Lumecon offers a wide availably of Kelvin Temperatures (2700-5000K), CRI (70-90), Voltages (120-480v), Mounting Methods, Fixture Colors, and Wattages (Programmable Drivers). Don't see what you are looking for? Give us a call we can get you exactly what you need.

Lumecon

Economic Lighting Solutions for Everyday Applications

LWS - SFC

The LWS-SFC Small full cut-off wall pack delivers the illumination performance to replace up to a 175W HID fixture one-for-one. The compact size of the LWS-SFC makes this an energy saving solution for outdoor building facades, general security, storage areas, and entry door applications.

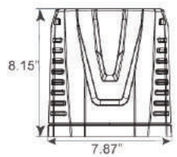
LWS-SFC

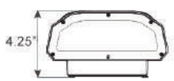
Depth: 4.25”

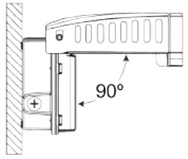
Height: 8.15”

Width: 7.87”

Weight: 5.5 lbs







Field adjustable up to 90º

Technical Specifications

Input Voltage: 120-277V

Housing: Die cast aluminum housing with full cutoff and textured architectural bronze powder coat finish over a chromate conversion coating. 1/2” coin plugs with O-rings for conduit & photocell installation.

Lens: Tempered Clear Glass Lens.

Mounting: Cast-in template for mounting directly over a 4” recessed outlet box, or use 1/2” surface conduit.

Effective Projected Area (EPA): 0.26 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Surge Suppression: 6kV

Battery Back-Up (Optional): When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® Qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Performance Data

		2200K		2700K		3000K		4000K		5000K	
Model	**Watts**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**
LWS-SFC-10	10W	1,093	112	1,233	127	1,254	128	1,362	140	1,378	142
LWS-SFC-20	20W	2,010	99	2,268	112	2,295	113	2,506	124	2,532	125
LWS-SFC-30	30W	2,855	95	3,311	110	3,476	116	3,658	122	3,772	126

Ordering Information

LWS-SFC – Options / Ordering Example: LWS-SFC-30-DB-1-40

Wattage	Color	Voltage	Color Temperature
10 - 10 Watts	DB - Dark Bronze	1 - 120v-277v	22 - 2200K
20 - 20 Watts	CC - Custom Color		27 - 2700K
30 - 30 Watts			30 - 3000K
			40 - 4000K
			50 - 5000K

Options & Accessories

BB - Battery Back-Up 120v-277v
Requires external box

PC1 - 120v-277v Button Eye Photocell

OC1 - On/Off

OC2 - Dim/High

SP - 40kV Surge Suppression MOV

PL - Polycarbonate Lens

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LWS - MFC

LED Medium Full Cut-Off Wall Pack

The LWS-MFC medium full cut-off wall pack delivers the illumination performance to replace up to a 250W HID fixture one-for-one. The sleek size of the LWS-MFC makes this an energy saving solution for outdoor building facades, general security, storage areas, and entry door applications.

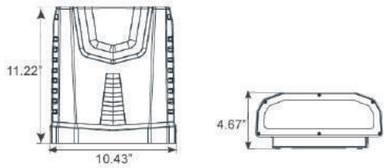
LWS-MFC

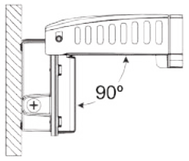
Depth: 4.67”

Height: 11.22”

Width: 10.43”

Weight: 10 lbs





Field adjustable up to 90º

Technical Specifications

Input Voltage: 120-277V and 347-480V

Housing: Die cast aluminum housing with full cutoff and textured architectural bronze powder coat finish over a chromate conversion coating. 1/2” coin plugs with O-rings for conduit & photocell installation.

Lens: Tempered Clear Glass Lens.

Mounting: Cast-in template for mounting directly over a 4” recessed outlet box, or use 1/2” surface conduit.

Effective Projected Area (EPA): 0.4 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Surge Suppression: 6kV

Battery Back-Up (Optional): When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750.

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Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Performance Data

		2200K		2700K		3000K		4000K		5000K	
Model	**Watts**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**
LWS-MFC-10	10W	1,120	112	1,270	127	1,310	131	1,390	139	1,410	141
LWS-MFC-25	25W	2,564	107	2,893	121	2,956	125	3,133	132	3,193	134
LWS-MFC-40	40W	4,229	105	4,680	117	4,880	122	4,880	122	5,200	130
LWS-MFC-60	60W	6,346	104	7,168	117	7,456	122	7,831	128	7,974	130

Ordering Information

LWS-MFC – Options / Ordering Example: LWS-MFC-25-DB-1-40

Wattage	Color	Voltage	Color Temperature
10 - 10 Watts	DB - Dark Bronze	1 - 120v-277v	22 - 2200K
25 - 25 Watts	CC - Custom Color		27 - 2700K
40 - 40 Watts			30 - 3000K
60 - 60 Watts			40 - 4000K
			50 - 5000K

Options & Accessories

BB - Battery Back-Up 120v-277v
Requires external box

PC1 - 120v-277v Button Eye Photocell

OC1 - On/Off

OC2 - Dim/High

SP - 40kV Surge Suppression MOV

PL - Polycarbonate Lens

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Note: Specifications and photometric data are subject to change at any time without notice.
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Lumecon | WORKMEN SERIES

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Please see www.lumecon.com for current specifications and documentation.

LWS - LFL

The LWS-LFL Large flood LED light comes standard with an adjustable knuckle mounting option. With the ability to replace 175W - 250W HID fixtures one-for-one, the LWS-LFL is most adapted to area light, general security, and sign accent lighting applications.

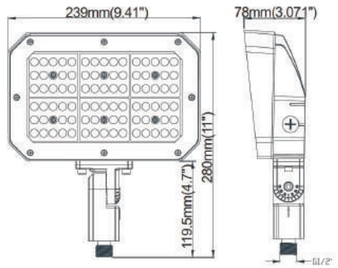
LWS-LFL

Width: 3.07”

Height: 11”

Length: 9.61”

Weight: 6.5 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Die cast aluminum housing and front frame with textured architectural bronze powder coat finish over a chromate conversion coating.

Lens: Tempered clear glass lens, sealed with silicone gasket.

Mounting: Adjustable knuckle with ½” NPT threads (standard). Additional mounting methods include swivel bracket, yoke mount, post top fitter, slip fitter adapter, and ground stake. Post top fitter, slip fitter adapter, and ground stake options require an adjustable knuckle. Die-cast post top fitter and slip fitter adapter for 2.45” or smaller Poles/ Conduit, bronze powder coat finish, one (1) ½” NPT.

Effective Projected Area (EPA): 0.45 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request.
CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Surge Suppression: 6kV

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

NEMA Beam Rating: 6x5

IP65 Ingress Rating

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750.

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Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Performance Data

		2200K		2700K		3000K		4000K		5000K	
Model	**Watts**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**
LWS-LFL-25	25W	2,229	85	2,839	108	3,243	124	3,356	128	3,428	131
LWS-LFL-40	40W	3,341	84	4,259	106	4,896	122	4,964	124	5,011	125
LWS-LFL-60	60W	4,440	74	5,640	94	6,965	116	7,256	121	7,725	128

Ordering Information

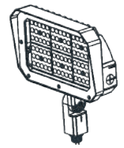
LWS-LFL – Options / Ordering Example: LWS-LFL-25-DB-1-40-A

Wattage	Color	Voltage	Color Temperature	Mounting Methods
25 - 25 Watts	DB - Dark Bronze	1 - 120v-277v	22 - 2200K	A - Adjustable Knuckle
40 - 40 Watts	CC - Custom Color		27 - 2700K	SB - Swivel Bracket
60 - 60 Watts			30 - 3000K	Y - Yoke
			40 - 4000K	GR - Ground Stake [1]
			50 - 5000K	
				1. Requires Adjustable Knuckle

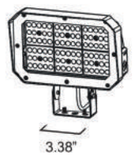
Options & Accessories

PC1 - 120v-277v External Pencil Photocell

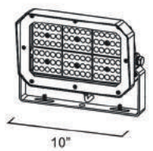
PL - Polycarbonate Lens



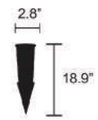
A - Adjustable Knuckle Mount



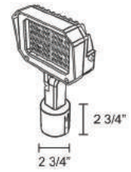
SB - Swivel Bracket



Y - Yoke Mount



GR - Ground Stake with 1/2” NPT



SF - Slip Fitter Adapter with 1/2” NPT

LWS - SFL

The LWS-SFL small flood LED light comes standard with an adjustable knuckle mounting option. With the ability to replace 100W - 175W HID fixtures one-for-one, the LWS-SFL is most adapted to area light, general security, and sign accent lighting applications.

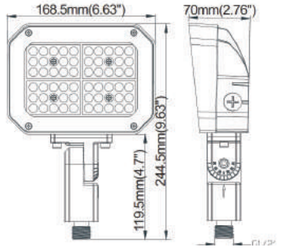
LWS-SFL

Width: 2.76”

Height: 9.63”

Length: 6.63”

Weight: 4.5 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Die cast aluminum housing and front frame with textured architectural bronze powder coat finish over a chromate conversion coating.

Lens: Tempered clear glass lens, sealed with silicone gasket.

Mounting: Adjustable knuckle with ½” NPT threads (standard). Additional mounting methods include swivel bracket, yoke mount, post top fitter, slip fitter adapter, and ground stake. Post top fitter, slip fitter adapter, and ground stake options require an adjustable knuckle. Die-cast post top fitter and slip fitter adapter for 2.45” or smaller Poles/ Conduit, bronze powder coat finish, one (1) ½” NPT.

Effective Projected Area (EPA): 0.25 ft²

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90 not available in 2200K.

Dimming: Triac, ELV and 0-10V standard dimming capability.

Surge Suppression: 6kV

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

NEMA Beam Rating: 6x5

IP65 Ingress Rating

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® Qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Performance Data

		2700K		3000K		4000K		5000K	
Model	**Watts**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**
LWS-SFL-15	15W	1,805	108	1,887	114	2,197	132	2,133	129
LWS-SFL-25	25W	2,500	101	2,706	106	2,924	123	2,852	120

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Please see www.lumecon.com for current specifications and documentation.

Ordering Information

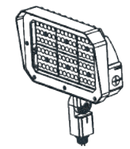
LWS-SFL – Options / Ordering Example: LWS-SFL-15-DB-1-40-A

Wattage	Color	Voltage	Color Temperature	Mounting Methods
15 - 15 Watts	DB - Dark Bronze	1 - 120v-277v	22 - 2200K	A - Adjustable Knuckle
25 - 25 Watts	CC - Custom Color		27 - 2700K	SB - Swivel Bracket
			30 - 3000K	Y - Yoke
			40 - 4000K	GR - Ground Stake [1]
			50 - 5000K	
				1. Requires Adjustable Knuckle

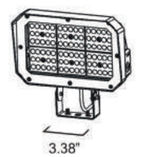
Options & Accessories

PC1 - 120v-277v External Pencil Photocell

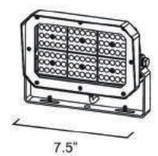
PL - Polycarbonate Lens



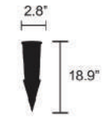
A - Adjustable Knuckle Mount



SB - Swivel Bracket

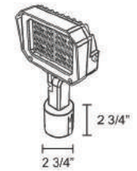


Y - Yoke Mount



GR - Ground Stake with 1/2" NPT

PSF - Post Top Fitter with 1/2" NPT



SF - Slip Fitter Adapter with 1/2" NPT

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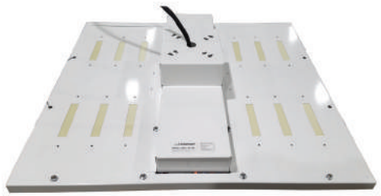
LWS-LHB



The LWS-LHB linear High Bay fixture is the first of its kind in the Lumecon Workmen Series and delivers the illumination performance to replace conventional lighting systems, such as HID and fluorescent, one-for-one. The unique linear high bay design makes this a perfect energy saving solution for manufacturing, storage, warehousing and other indoor spaces with mounting heights from 10’ to 40’.

Model	Watts	Equiv	Delivered Lumens	Efficacy
LWS-LHB-250-X-NW	250W	8-LAMP T5HO	35,375 Lm	142 LPW
LWS-LHB-250-D-NW	250W	8-LAMP T5HO	31,633 Lm	127 LPW
LWS-LHB-250-X-CW	250W	8-LAMP T5HO	35,020 Lm	140 LPW
LWS-LHB-250-D-CW	250W	8-LAMP T5HO	31,316 Lm	125 LPW
LWS-LHB-285-X-NW	284W	8-LAMP T5HO	39,298 Lm	139 LPW
LWS-LHB-285-D-NW	282W	8-LAMP T5HO	35,167 Lm	125 LPW
LWS-LHB-285-X-CW	288W	8-LAMP T5HO	39,546 Lm	137 LPW
LWS-LHB-285-D-CW	287W	8-LAMP T5HO	35,301 Lm	123 LPW

Length: 24.06”

Width: 24.94”

Height: 4.625” (with Junction Box)
2.44” (w/o Junction Box)

Weight: 14 lbs

Technical Specifications

Input Voltage: 120-277V

Lens: No lens (standard). An opaque diffused acrylic lens is available for applications where glare reduction is needed.

Mounting: Fixture mounting options include: Pendant, Surface Mount Brackets, Toggle & Cable, Safety Hook / No Cord, and Safety Hook with 6’ Cord.

NEMA Plug: Plug offerings are compliant to the standards set forth by the US National Electrical Manufacturers Association (NEMA) and include both straight blade and twist lock options.

Color Temperature: 4000K and 5000K

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 104°F/40°C.

Color Rendering Index (CRI): Minimum of 70 or higher. CRI 80+ or 90+ available upon request.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Battery Back-Up (Optional): When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598 and UL 8750 and DLC®.

Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Ordering Information

LWS-LHB – Options / Ordering Example: LWS-LHB-120-D-1-NW-X-X-X-X-X

Wattage	Lens	Voltage	Color Temperature	Mounting Methods	Wire Guard
250 - 250 Watts	X - None	1 - 120v-277v	NW - 4000K	X - None	X - None
285 - 285 Watts	D - Diffused		CW - 5000K	P - Pendant	WG - Wire Guard
				SM - Surface Mount	
				TC - Toggle & Cable	
				TC6 - Toggle & Cable / 6’ Cord	
				H - Safety Hook / No Cord	
				HC6 - Safety Hook / 6’ Cord	

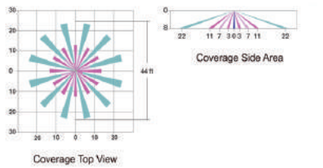
Battery Back-Up	Factory Installed NEMA Plug	Occupancy Sensor
X - None	X - None	X - None
BB - Battery Back-Up	515P - 15 amp 120v Straight Blade Plug	OC1 - On/Off
	L515 - 15 amp 120v Twist Lock Plug	OC2 - Dim/High
	L615 - 15 amp 240v Twist Lock Plug	
	L715 - 15 amp 277v Twist Lock Plug	
	**NEMA Plug used with TC6 & HC6 Mounts Only*	

If OCC Sensor Option is selected, mounting height specifications need to be clarified:

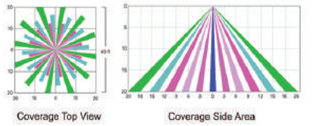
- ☐ Mounting height between 0’ - 10’
- ☐ Mounting height between 10’ - 40’
- ☐ Mounting height over 40’+

OCC Sensor Patterns

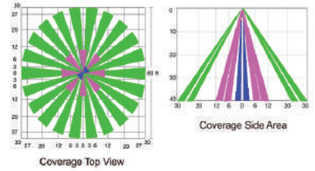
0’ - 10’ Mounting Height



10’ - 40’ Mounting Height



40’ + Mounting Height



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The LWS-LHB2 linear High Bay fixture is the first of its kind in the Lumecon Workmen Series and delivers the illumination performance to replace conventional lighting systems, such as HID and fluorescent, one-for-one. The unique linear high bay design makes this a perfect energy saving solution for manufacturing, storage, warehousing and other indoor spaces with mounting heights from 10’ to 40’.

Technical Specifications

Input Voltage: 120-277V or 347-480V

Lens: No lens (standard). An opaque diffused acrylic lens is available for applications where glare reduction is needed.

Mounting: Fixture mounting options include: Pendant, Surface Mount Brackets, Toggle & Cable, Safety Hook / No Cord, and Safety Hook with 6’ Cord.

NEMA Plug: Plug offerings are compliant to the standards set forth by the US National Electrical Manufacturers Association (NEMA) and include both straight blade and twist lock options.

Color Temperature: 4000K and 5000K

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 104°F/40°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® Qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Certification Data: CSA Listed to UL 1598, UL 8750. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598 and UL 8750.

Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n)government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Performance Data			NW (4000K, 80 CRI)		CW (5000K, 80 CRI)		
	Lens	Watts	Lumens	Efficacy	Lumens	Efficacy	Equiv
LWS-LHB2-60	None	62W	9,454	152	9,999	161	4-LAMP T8, 250W HID
	Diffused	62W	8,963	145	9,460	153	
LWS-LHB2-80	None	80W	11,831	148	12,496	156	4-LAMP T8, 250W HID
	Diffused	80W	11,172	140	11,792	147	
LWS-LHB2-100	None	100W	14,462	145	15,371	154	4-LAMP T5HO, 4-LAMP T5, 400W HID
	Diffused	100W	13,777	138	14,543	145	
LWS-LHB2-120	None	120W	15,720	131	18,493	154	4-LAMP T5HO, 4-LAMP T5, 400W HID
	Diffused	120W	16,576	138	17,496	146	
LWS-LHB2-150	None	150W	21,475	143	22,648	151	4-LAMP T5HO, 6-LAMP T5, 400W HID
	Diffused	150W	20,300	135	21,427	143	
LWS-LHB2-190	None	190W	27,309	144	28,825	152	4-LAMP T5HO, 8-LAMP T8
	Diffused	190W	25,248	133	27,240	143	

Ordering Information

LWS-LHB2 - Options / Ordering Example: LWS-LHB2-120-D-1-NW-80-X

Wattage	Lens	Voltage	Color Temperature	CRI	Mounting Methods
60 - 60 Watts	X - None	1 - 120v-277v	NW - 4000K	80 - 80 CRI	X - None
80 - 80 Watts	D - Diffused	2 - 347v-480v	CW - 5000K	90 - 90 CRI	P - Pendant
100 - 100 Watts					SM - Surface Mount
120 - 120 Watts					TC - Toggle & Cable
150 - 150 Watts					TC6 - Toggle & Cable / 6’ Cord
190 - 190 Watts					H - Safety Hook / No Cord
					HC6 - Safety Hook / 6’ Cord
					NEMA Plug used with TC6 & HC6 Mounts Only

Options & Accessories

WG - Wire Guard

BB - 120v-277v BBU

OC1 - On/Off

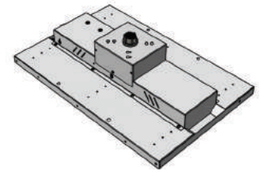
OC2 - Dim/High

515P - 15 amp 120v Straight Blade Plug

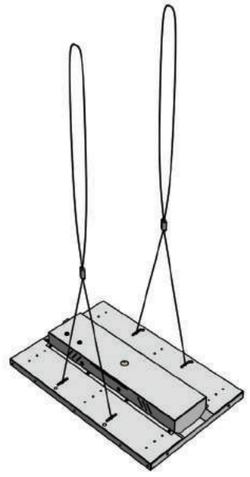
L515 - 15 amp 120v Twist Lock Plug

L615 - 15 amp 240v Twist Lock Plug

L715 - 15 amp 277v Twist Lock Plug



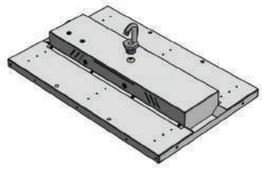
LWS-LHB2 Surface Mount
LWS-LHB2 Pendant Mount



LWS-LHB2 Toggle & Cable

If OCC Sensor Option is selected, mounting height specifications need to be clarified:

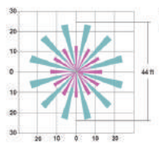
- ☐ Mounting height between 0’ - 10’
- ☐ Mounting height between 10’ - 40’
- ☐ Mounting height over 40’+

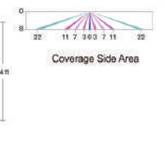


LWS-LHB2 Hook Mount

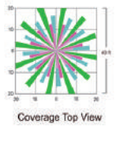
OCC Sensor Patterns

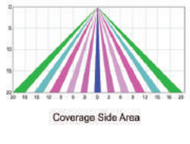
0’ - 10’ Mounting Height



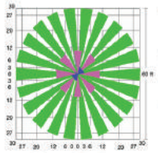


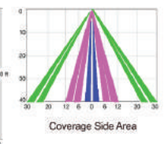
10’ - 40’ Mounting Height





40’ + Mounting Height





Dimensions & Weights

Model	Width	Length	Height (w/ junction box and OCC)	Height (w/o junction box and w/o OCC)	Height (w/ junction box and w/o OCC)	Height (w/o junction box and w/ OCC)	Weight
LWS-LHB2	15.30”	23”	7.13”	2.80”	4.98”	4.08”	5 lbs.

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LWS-VTW4

The LWS-VTW4 High Bay fixture is designed specifically to deliver superior illumination performance for vapor-tight demanding environments where moisture or dust is a concern. Designed for a higher mounting heights, wide spacing and suitable for wet, damp, and/ or cold location. Combining a sleek fixture design with energy efficient performance allows this low glare fixture to be used in car washes, food processing plants, commercial kitchens, breweries, industrial facilities, livestock containment buildings, parking garages, laundries, covered canopies, utility tunnels, pedestrian tunnels, concourses, transit stations, stairwells and loading dock environments.

Model	Watts	Equiv	Delivered Lumens	Efficacy
LWS-VTW4-60-C-1-NW	60W	4-LAMP T8, 250W HID	8,942 Lm	149 LPW
LWS-VTW4-60-D-1-NW	60W	4-LAMP T8, 250W HID	8,342 Lm	139 LPW
LWS-VTW4-80-C-1-NW	80W	4-LAMP T8, 250W HID	11,924 Lm	149 LPW
LWS-VTW4-80-D-1-NW	80W	4-LAMP T8, 250W HID	11,125 Lm	139 LPW
LWS-VTW4-100-C-1-NW	100W	4-LAMP T5HO, 4-LAMP T5, 400W HID	13,218 Lm	132 LPW
LWS-VTW4-100-D-1-NW	100W	4-LAMP T5HO, 4-LAMP T5, 400W HID	13,332 Lm	123 LPW
LWS-VTW4-120-C-1-NW	120W	4-LAMP T5HO, 6-LAMP T8, 400W HID	15,630 Lm	130 LPW
LWS-VTW4-120-D-1-NW	120W	4-LAMP T5HO, 6-LAMP T8, 400W HID	14,583 Lm	121 LPW
LWS-VTW4-150-C-1-NW	150W	4-LAMP T5HO, 6-LAMP T8, 400W HID	19,430 Lm	130 LPW
LWS-VTW4-150-D-1-NW	150W	4-LAMP T5HO, 6-LAMP T8, 400W HID	18,128 Lm	122 LPW
LWS-VTW4-190-C-1-NW	190W	6-LAMP T5HO, 8-LAMP T8	24,747 Lm	130 LPW
LWS-VTW4-190-D-1-NW	190W	6-LAMP T5HO, 8-LAMP T8	23,089 Lm	121 LPW
LWS-VTW4-250-C-1-NW	250W	8-LAMP T5HO	34,572 Lm	142 LPW
LWS-VTW4-250-D-1-NW	250W	8-LAMP T5HO	32,255 Lm	132 LPW
LWS-VTW4-285-C-1-NW	285W	8-LAMP T5HO	41,000 Lm	149 LPW
LWS-VTW4-285-D-1-NW	285W	8-LAMP T5HO	38,370 Lm	139 LPW

Technical Specifications

Input Voltage: 120-277V or 347-480V

Housing: UL 5VA Fiberglass Housing (Will not melt or burn) • UL Approved as a Wire-way and Through Wiring • Weather-ability(f1) Rated - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746, designed to minimize horizontal surfaces and latch pockets that are prone to retaining debris.

Lens: Inline thermoformed low profile lenses available in acrylic.

Mounting:
V-Hook: Standard 316 stainless steel, UL rated for 4X fixture weight, maximum weight of 23lbs.
Cable Mount, Flexible Ceiling Mount: 316 Stainless Steel Ceiling Mount attaches directly to the ceiling and Patented
Rigid Mounting Beam: 316 Stainless Steel

Color Temperature: 4000K

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life.

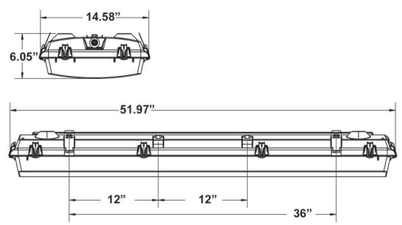
Certification Data: CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Location Listed, IP65, IP66,IP67, 40 degree C Ambient Temperature rating, NSF International certified for NFS/ ANSI Standard 2 – Food Equipment.

Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Width: 14.58”
Height: 6.05”
Length: 51.97”



Ordering Information

LWS-VTW4 - Options / Ordering Example: LWS-VTW4-60-C-1-NW-V-X-X-X-X

Wattage	Lens	Voltage	Color Temperature	Mounting Methods	Battery Back-Up
60 - 60 Watts	C - Clear Acrylic Impact Resistant	1 - 120v-277v	NW - 4000K	V - V-Hook	X - None
80 - 80 Watts	D - Diffused Acrylic Impact Resistant	2 - 347v-480v		F - Flexible Ceiling Mount	BB - Battery Back-Up*
100 - 100 Watts				R - Rigid Mount Beam	
120 - 120 Watts					
150 - 150 Watts					*120-277V only
190 - 190 Watts					
250 - 250 Watts					
285 - 285 Watts					

Factory Installed Cord Set	Factory Installed Nema	Occupancy Sensor
X - None	X - None	X - None
6 - 6’	515P - 15 amp 120V Straight Blade	OC1 - On/Off
12 - 12’	L515 - 15 amp 120V Twist Lock Plug	OC2 - Dim/High
	L615 - 15 amp 240V Twist Lock Plug	
	L715 - 15 amp 277V Twist Lock Plug	

Options and Accessories Images

V - V-Hook
316 Stainless Steel V-Hook
UL rated for 4X fixture weight

F - Flexible Ceiling Mount
316 Stainless Steel Ceiling Mount
attached directly to the ceiling

R - Rigid Mount Beam
1/2” hub for Circle; 3/4” hub for Octagon Pendant hole.
Mounting Strap with Operator Required.

Cable Mount
Supplied by others

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LWS-PG

The LWS-PG makes any parking garage greener, safer and more secure. The LWP-PG maximizes the uniformity of light spread to reduce glare for drivers while providing a comfortable, well lit environment for pedestrians.

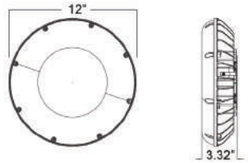
Model	Watts	Equiv	Delivered Lumens	Efficacy
LWS-PG-30	30W	175W	3,600 Lm	120 LPW
LWS-PG-45	45W	175W	5,400 Lm	120 LPW
LWS-PG-60	60W	175W	7,200 Lm	120 LPW

LWS-PG

Width: 12”

Height: 3.32”

Weight: LWS-PG-30 5.29 lbs
LWS-PG-45 5.4 lbs
LWS-PG-60 5.73 lbs

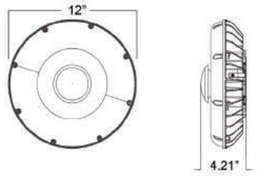


LWS-PG w/OCC Sensor

Width: 12”

Height: 4.21”

Weight: LWS-PG-30 5.58 lbs
LWS-PG-45 5.69 lbs
LWS-PG-60 6 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Die cast aluminum housing with white semi-gloss powder coat finish over a chromate conversion coating. ½” coin plugs with O-rings for conduit & photocell installation.

Lens: Frosted prismatic acrylic lens

Mounting: Suitable for J-BOX mounting, and easy for installation, also support pendant mounting,wires coming out from the back for easier wire connections.

Color Temperature: 4000K and 5000K

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 70 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Battery Back-Up (optional): When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards. Requires separate box.

Certification Data: UL Wet-Rated. UL 1598, UL 8750 and CSA 22.2 No. 250.0-08, Luminaires; UL 8750, Light Emitting Diode (LED) Equipment for Use in Lighting Products; CSA C22.2 No. 250.13-14 Light Emitting Diode (LED) Equipment for Lighting Applications.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Motion Senor: The BR1823-B-D sensors provide multi-level control based on motion and/or daylight contribution and are rated for wet and cold locations. All control parameters are adjustable via remote control wireless IR Configurate Tool capable of storing and transmitting sensor profiles. This app enables adjustment of parameters including high and low modes, sensitivity, time delay, cut off and more. The setpoint is used to hold the controlled lighting off or at low level when there is sufficient daylight. The wireless tool stores an unlimited number of sensor parameter profiles to speed configuration of multiple sensors.

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LED Parking Garage Light

Ordering Information

LWS-PG - Options / Ordering Example: LWS-PG-30-40-X-X-PG

Wattage	Voltage	Color	Color Temperature	OCC Sensor	0 - 10 Dim	Diffuser
30 - 30 Watts	1 - 120v-277v	W - White	40 - 4000K	X - None	X - No Dimming	PG - Parking Garage
45 - 45 Watts		B - Black	50 - 5000K	M - Motion Sensor	D - 0-10V Dimming	
60 - 60 Watts		DB - Dark Brown				

Options & Accessories

BBU - Battery Backup - *Requires external box, only available on 45W*

If Motion Sensor is selected: Choose one of the following and sign this cut-sheet and send in with PO.

☐ Motion Sensor Sharkward BR1823-B-D
☐ Watt Stopper FSP-311 Bluetooth Enabled

Then select on the options below:

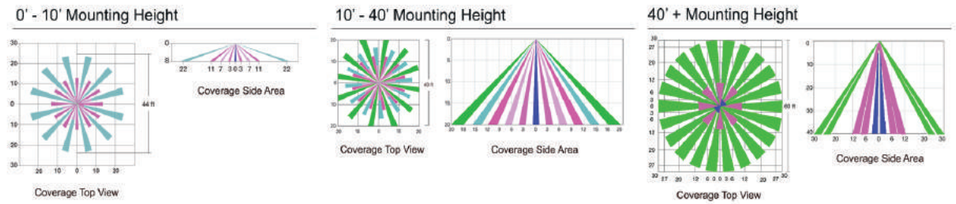
☐ OC1 - On/Off 1
☐ OC2 - Dim/High 1,2
☐ OC3 - On/Off w/Photocell 1
☐ OC4 - Dim/High w/Photocell 1,2

If MS or WS OCC Sensor Option is selected, mounting height specifications need to be clarified:

If Mounting height and parameter settings not specified when ordered. Default mounting height is 10-40’ lens and preset factory settings.

☐ Mounting height between 0’ - 10’
☐ Mounting height between 10’ - 40’
☐ Mounting height over 40’+

OCC Sensor Patterns



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LHB

The LHB High Bay luminaire delivers the illumination performance to replace up to a 400W HID fixture one-for-one. Lumecon's unique High Bay design makes this fixture an energy saving solution for indoor applications: gymnasiums, industrial warehouse/ storage, and grocery stores.

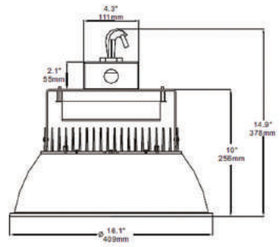
Model		Equiv	Delivered Lumens	Efficacy
LWS-PG-30	30W	175W	3,600 Lm	120 LPW
LWS-PG-45	45W	175W	5,400 Lm	120 LPW
LWS-PG-60	60W	175W	7,200 Lm	120 LPW

Width: 16.1"

Height: 14.9"

Length: 16.1"

Weight: 20 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Die cast aluminum housing with built in heat sink and quick disconnect cable, which allows the driver to be separated from the LED module for easy maintenance.

Reflector: White anodized aluminum reflector (standard). Acrylic Prismatic reflector option available to help eliminate cave effect.

Lens: Tempered clear glass lens (standard). Additional lens offerings include prismatic drop and prismatic conical lenses. Fixture lenses are attached to the reflector using a simple clamp band.

Mounting: J-Box or Pendant Mount (standard). Additional mounting options include: Hook and 6' Cord or a Hook and 10' Cord. Mounting hook manufactured from die cast aluminum to make for a strong and easy installation.

Safety Cable: 3' Safety Cable (optional) available to serve as a fail-safe support system in emergency situations.

NEMA Plug: Plug offerings are compliant to the standards set forth by the US National Electrical Manufacturers Association (NEMA) and include both straight blade and twist lock options.

Color Temperature: 4000K and 5000K

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 80°F/26°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750.

Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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LED Circular High Bay

Ordering Information

LHB-175 - Options / Ordering Example: LHB-175-AL-G-1-NW-X-HC-X-515P-X

Wattage	Reflector	Lens	Voltage	Color Temperature	Guard	Mounting Methods
90 - 95 Watts	AL - Aluminum	X - None	1 - 120v-277v	NW - 4000K	X - None	JP - J-Box or Pendant
130 - 127 Watts	AC - Acrylic Prismatic	G - Tempered Glass	2 - 347v-480v	CW - 5000K	1 - Wire*	HC - Hook & 6' Cord
175 - 176 Watts	AD - Acrylic Diffuser	PD - Prismatic Drop				HC0 - Hook & 10' Cord
	CL - Clear Lens	PC - Prismatic Conical				
		AD - Acrylic Diffuser			*Will not fit on PD Lens	

Safety Cable	Factory Installed NEMA Plug	Controls / OCC Sensing
X - None	X - None	X - None
03 - 3' Cable	515P - 15 amp 120V Straight Blade Plug	OC1 - On/Off
	L515P - 15 amp 120V Twist Lock Plug	OC2 - Dim/High
	L615P - 15 amp 240V Twist Lock Plug	
	L715P - 15 amp 277V Twist Lock Plug	

Accessories
FSIR-100 - OCC Sensor Remote

Reflector Options:

LHB Aluminum

LHB Acrylic Prismatic

LHB Acrylic Diffuser

LHB Acrylic Clear Lens

Lens Options:

None

LHB Tempered Glass

LHB Prismatic Drop

LHB Prismatic Conical

LHB Acrylic Diffuser Lens

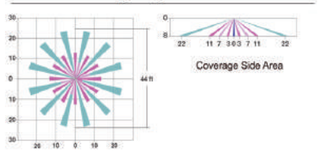
If OCC Sensor Option is selected, mounting height specifications need to be clarified:

If Mounting height and parameter settings not specified when ordered. Default mounting height is 10-40' lens and preset factory settings.

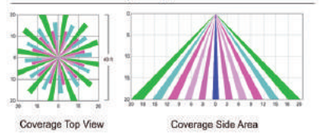
- ☐ Mounting height between 0' - 10'
- ☐ Mounting height between 10' - 40'
- ☐ Mounting height over 40'+

OCC Sensor Patterns

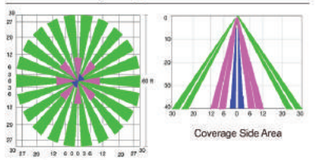
0' - 10' Mounting Height



10' - 40' Mounting Height



40' + Mounting Height



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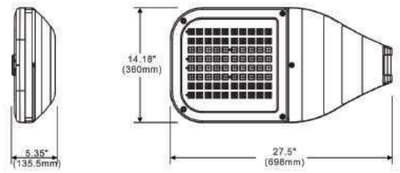
LWS-LSL

The LWS-LSL Street light combines a robust, stylish fixture design with best-in-class energy efficiency. Equipped with 10 year Heavy Duty LED Light Engines to illuminate local, collector and major roadways; also suitable for highway access ramps and some area lighting applications. The LWS-LSL Series performs efficiently and reliably against rugged outdoor environment. Constructed of die-cast aluminum the LWS-LSL utilizes the Lumecon ETD™ Thermal Design backed by a 10 year performance warranty, is Dark Sky friendly and is protected against surge with a best in Class 40kA surge suppression system.

Width: 14.18”
Height: 5.35”
Depth: 27.5”
Weight: 15 lbs



Model	Watts	Equiv	Delivered Lumens	Efficacy
LWS-LSL-30 (Type V)	31W	175W	4,555 Lm	148 LPW
LWS-LSL-30 (Type III)	31W	175W	4,549 Lm	149 LPW
LWS-LSL-30 (Type II)	31W	175W	4,342 Lm	141 LPW
LWS-LSL-60 (Type V)	58W	250W	8,655 Lm	150 LPW
LWS-LSL-60 (Type III)	58W	250W	8,618 Lm	149 LPW
LWS-LSL-60 (Type II)	58W	250W	8,201 Lm	141 LPW
LWS-LSL-80 (Type V)	75W	400W	11,190 Lm	150 LPW
LWS-LSL-80 (Type III)	75W	400W	11,175 Lm	149 LPW
LWS-LSL-80 (Type II)	75W	400W	10,605 Lm	141 LPW
LWS-LSL-110 (Type V)	102W	400W	15,280 Lm	150 LPW
LWS-LSL-110 (Type III)	99W	400W	14,600 Lm	148 LPW
LWS-LSL-110 (Type II)	100W	400W	14,830 Lm	149 LPW

Technical Specifications

Input Voltage: 120-277V or 347-480V

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance “hot spots” and use less wattage than typical LED area lights.

Lens: Tempered clear glass lens.

Mounting: Mounts to a Tenon Arm with a max O.D. of 2 3/8”

Color Temperature: 2700K, 3000K, 4000K and 5000K.

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 70 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80.

Luminaire Vibration Testing: Passed ANSI C136.31 Vibration testing for both “Normal” and “Bridge/Overpass” acceleration applications, simulating wind- and traffic-induced vibrations. The testing utilized the predetermined resonant frequency of the fixture, and was tested to 100,000 cycles in all 3 axes to a peak acceleration level of 3G.

Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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LED Street Luminaire

Ordering Information

LWS-LSL - Options / Ordering Example: LWS-LSL-60-GR-1-T3-NW-X

Wattage	Color	Voltage	Distribution	Color Temperature	Photocell	Occupancy Sensor
30 - 30 Watts	GR - Gray	1 - 120v-277v	T2 - Type II	WW - 2700K	X - None	X - None
60 - 60 Watts		2 - 347v-480v	T3 - Type III	OW - 3000K	R - Receptacle Only	OC1 - On/Off [2]
80 - 80 Watts			T4 - Type IV	NW - 4000K	RS - Receptacle Only with Shorting Cap	OC2 - Dim/High [2,3]
110 - 110 Watts				CW - 5000K	7P - Seven-pin Twist Lock Photocell Receptacle Only[1]	
					PC1 - 120v-277v Twist Lock Photocell	
					PC4 - 347v-480v Twist Lock Photocell	

Notes:
1. For units with 7P the mounting must be restricted to +/-45º from horizontal aim per ANSI C1136.10-2010. If more than a 45º Tilt, use PC1 or PC4
2. Must note on PO Mounting Height for proper lens application
3. See Occupancy Sensor Default Settings Table

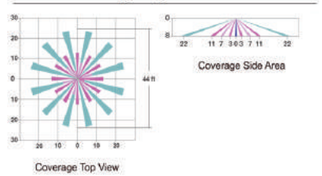
If OCC Sensor Option is selected, mounting height specifications need to be clarified:

☐ Mounting height between 0’ - 10’
☐ Mounting height between 10’ - 40’
☐ Mounting height over 40’+

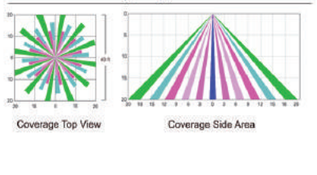
If Mounting height and parameter settings not specified when ordered. Default mounting height is 10-40’ lens and preset factory settings.

OCC Sensor Patterns

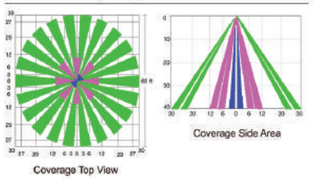
0’ - 10’ Mounting Height



10’ - 40’ Mounting Height



40’ + Mounting Height



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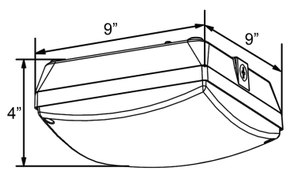
LWS-CAN

The LWS-CAN Low Profile Medium Surface Mount luminaire is available with an optical distribution designed specifically to replace HID lighting systems up to 100w MH or HPS. Typical lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 8 to 14 feet can be used based on light level and uniformity requirements.

Width: 9”
Height: 4”
Depth: 9”



		3000K		4000K		5000K	
Model	**Watts**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**
LWS-CAN-27	27W	2735	101	2774	103	2890	107

Technical Specifications

Housing: Die Cast Aluminum Housing, ½” Coin Plugs with O-rings for Conduit & Photocell on Two Sides & Back, Nickel-Plated Stainless Steel Hardware.

Lens: Low Profile Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens.

Mounting: Mount Directly Over a 4” Recessed Outlet Box, or Use ½” Surface Conduit.

Effective Projected Area (EPA): 0.26 ft²

Color Temperature: 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 70 or higher.

Dimming: 0-10V standard dimming capability.

Surge Suppression: 20kV

Battery Back-Up and Battery Back-Up Cold Rated (Optional): The BBU operates the LEDs for a code-compliant 90 minutes when triggered into emergency mode. When AC power is restored, the driver automatically returns to charging mode. The BB and BBCR are UL-recognized component and meets all applicable safety standards. BBCR is cold rated to -20°C.

Certification Data: CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Compartment. ADA Compliant.

Manufacturing Origin: US Manufactured and Assembled.

Buy American: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Ordering Information

LWS-CAN – Options / Ordering Example: LWS-CAN-27-DB-1-40

Wattage	Color	Voltage	Color Temperature
27 - 27 Watts	DB - Dark Bronze	1 - 120v-277v	30 - 3000K
	CC - Custom Color	2 - 347v-480v	40 - 4000K
			50 - 5000K

Options & Accessories

PC1 - 120v-277v

OC - Occupancy Sensor

BB - Battery Backup 90 Minutes[1]

BBC - Battery Backup – Cold Start -20C, 90 Minutes[1]

1. 120-277v Models Only

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Note: Specifications and photometric data are subject to change at any time without notice.
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Midtown Decorative Series

Lumecon's Midtown Series are made-to-order to fit our customers needs. We offer multiple options suitable for main streets, downtowns, parks and campuses. A variety of decorative post-tops are available in tiered wattage options to fit your needs.

- Decorative Post-Tops
- Arch Post-Tops
- Carriage Post-Tops
- Hang-Straight Post-Tops
- Walkway Bollards

Complete Your Entire Project with Lumecon

Did you know Lumecon offers more than post-top fixtures? We also supply a variety of products to complete a decorative project.

GLOBES
We offer over 20 globe styles available with optional decorative cages, roofs, and finials. Design your custom globe to create a unique look.

POLES
When it comes to decorative post-tops, a pole can upgrade and finish a project. Poles are available in either steel or aluminum plus a range of sizes and finishes.

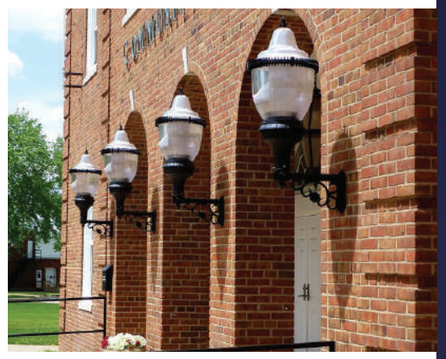
BRACKETS
We supply a wide array of cross mounted, post-top mounted, and up-sweep brackets to fit any of our poles and some existing poles. Our standard bracket selection is just the beginning; we can build custom brackets to meet any need.

ACCESSORIES
Our poles can accommodate almost any type of accessory, from cameras and speakers to sensors and flags, and we have a long list options to meet your specific needs – from the standard coupling or plate to banner arms and flag or flower pot holders. Our wide array of fixture brackets allow for multiple mounting arrangements to be incorporated into a single project.

DECORATIVE BASES
Our decorative product line makes it easy to meet any period or contemporary lighting specification. We offer decorative pole packages that include aluminum base castings. Other base castings are available as standalone options. We also carry decorative pole-top finials, and a wide variety of decorative brackets to fit any application.

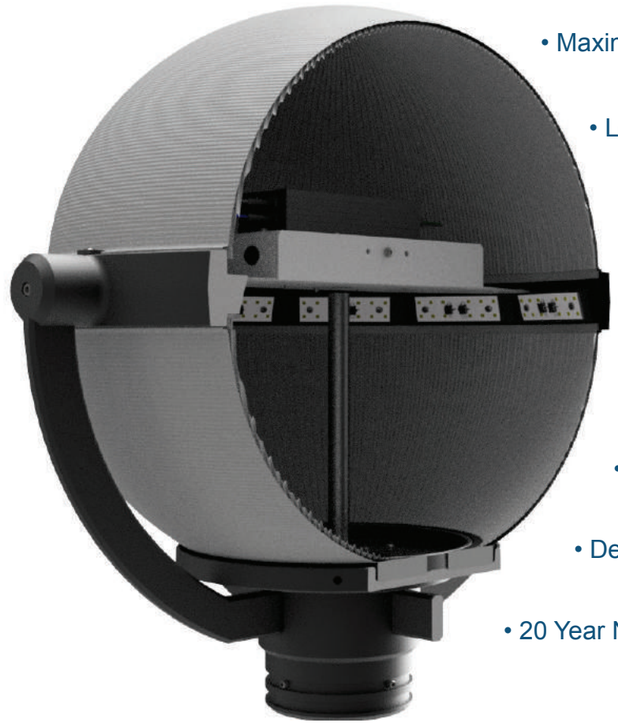
40kV EXTREME SURGE PROTECTION · MADE IN MICHIGAN · 10 YEAR WARRANTY · Intertek · BUILT AMERICA BUY AMERICA ACT · DLC LISTED

Economic Lighting Solutions for Everyday Applications



Our Technology Is The Difference

Lumecon's Decorative Post-top Fixtures Utilize Our Patented External Heat Sink Management System



- Maximized Heat Dissipation
- Lowered Fixture Temperatures
- Increased Fixture Lifetime
- Increased Energy Efficiency
- Zero "Points of Light"
- 7-Pin Receptacle Ready
- Decreased Maintenance Costs
- 20 Year Non-Yellowing Globe Warranty

Decorative Post-Top Specifications

A custom tooled prismatic lensing eliminates the "points of light" commonly associated with LED decorative globes. Each post-top fixture that leaves our warehouse has been rigorously tested to ensure proper illumination performance that lasts.

LEDs are mounted to the inside of the fixture trim ring which serves as a heat sink to ensure optimal heat dissipation. This type of mounting allows for both Type 5 (standard) and Type 3 light distribution patterns to be offered.

Our two-piece acrylic lens post top features precise prisms achievable only through injection molding. The prisms provide pleasing daytime "prismatic sparkle' and provide excellent uniformity, light distribution and efficiency for nighttime performance. The globe carries a 20 year warranty which includes resistance to yellowing as we define as having a yellowness index of less than 7.

There are also two options for limiting uplight that is emitted from the fixture. The perforated light lid is a polished reflector above the LEDs that limits uplight to approximately 30% in the upper globe. The cutoff light lid is a solid polished reflector that virtually eliminates light to the upper globe.

All decorative fixtures can come with an optional 7-pin ANSI C136.41 dimming receptacle for true "plug and play" installation of most wireless control modules. The receptacle is located inside the top of the fixture, allowing the wireless control module to be concealed yet still have clear site of communication with other modules or repeaters.

Lumecon

Shown with:
BH1 Fitter
CA - Clear Acrylic Globe

Requires nominal 3" diameter x 2 7/8" tall tenon

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	B10	B11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS
Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC© qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-BRP-35-1-22-CA-BH2-BK-CG77-SR1-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-BRP	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	CA - Clear Acrylic	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K	WA - White Acrylic	BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K	CP - Clear Polycarbonate	BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	
					BH11 - 13.5"	

OPTIONAL

CAGE	SOLID ROOF	FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
CG11	SR1	FN1	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
CG12M1		FN2			
CG13M1		FN3			
CG18		FN4			
CG21					
CG22M1					
CG23M1					
CG28					

Cage and Fitter welded together requiring both to be selected

Fitters

BH1 BH2 BH3 BH4 BH5 BH8 BH9 BH10 BH11

Cage Sample

CG77 Shown

Solid Roof

SR1

Finials

FN1 FN2 FN3 FN4

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Please see www.lumecon.com for current specifications and documentation.

L-RETRO-DG LIGHT ENGINE

L-RETRO-DG LIGHT ENGINE

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LM-CAN

Shown with:
BH2 Fitter
AC - Prismatic Injection Molded - Clear

Requires nominal 3" diameter x 2 7/8" tall tenon

Shown with:
AC - Prismatic Injection Molded - Clear

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	BH10	BH11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5"

Technical Specifications

GLOBE MATERIALS
Acrylic: Our two-piece acrylic lens post-top features precise prisms achievable only through injection molding. The prisms provide pleasing daytime "prismatic sparkle' and provide excellent uniformity, light distribution, and efficiency for nighttime performance. The globe carries a 20-year warranty which includes resistance to yellowing, as we define as having a yellowness index of less than 7.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

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40kV EXTREME SURGE PROTECTION · MADE IN MICHIGAN · 10 YEAR WARRANTY · L-RETRO-DG LIGHT ENGINE · Intertek · BUILD AMERICA BUY AMERICA ACT · L-RETRO-DG LIGHT ENGINE · DLC LISTED PREMIUM

Lumecon Midtown Canfield Post-Top

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-CAN- 35 -1-22-AC-BH2-BK-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-CAN	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	AC - Prismatic Injection Molded - Clear	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K		BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K		BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	
					BH11 - 13.5"	

OPTIONAL

HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle

Fitters

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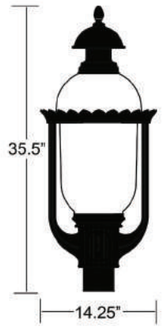


Technical Specifications

Housing: Slip fits over 2 7/8” and 3” OD tenons on most decorative poles. Cast aluminum housing uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-T LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 1.0 ft²

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance “hot spots” and uses less wattage than typical LED area lights.

L-RETRO-T
Light Engine

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture’s exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ is available upon request.

CRI 90+ is not available in 2200K.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Manufactured with ETL-compliant components.

Performance Data

			2200K		2700K		3000K		4000K		5000K	
Model	**Distribution Type**	**Watts**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**
LM-CAS-45	Type 2	45W	4,452	101	4,925	111	5,295	120	5,413	122	5,641	128
	Type 3	45W	4,602	104	5,901	115	5,449	123	5,596	127	5,831	132
	Type 4	45W	4,106	93	5,239	118	5,499	124	5,759	130	6,001	136
	Type 5	45W	4,779	108	5,287	120	5,337	121	5,812	131	6,519	137
LM-CAS-65	Type 2	65W	5,892	94	6,519	104	6,780	108	7,166	114	7,467	119
	Type 3	65W	6,091	97	6,739	108	7,213	115	7,408	118	7,944	127
	Type 4	65W	6,278	100	6,935	111	7,279	116	7,624	123	8,017	128
	Type 5	65W	6,326	101	6,780	112	7,279	116	7,693	123	8,017	128
LM-CAS-90	Type 2	90W	9,923	109	10,979	121	11,418	126	11,986	133	12,575	139
	Type 3	90W	10,259	113	11,350	125	12,147	134	12,400	138	13,378	148
	Type 4	90W	10,550	117	11,680	129	12,259	135	12,912	142	13,501	149
	Type 5	90W	10,605	118	11,813	130	12,224	135	12,877	143	13,500	149

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-CAS-45-1-40-T2-WA-BK-PC-BL

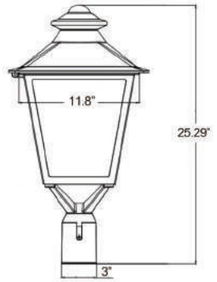
REQUIRED							*OPTIONAL*	
MODEL	**WATTAGE**	**VOLTAGE**	**CCT**	**DISTRIBUTION**	**LENS**	**FINISH**	**PHOTOCELL**	**HOUSE SIDE SHIELD**
LM-CAS	45 - 45 Watts	1 - 120v - 277v	22 - 2200K	T2 - Type II	NL - No Lens	BK - Black Gloss	PC - Button Eye	BL - Back Light Louvers
	65 - 65 Watts	2 - 347v - 480v	27 - 2700K	T3 - Type III	CA - Clear Acrylic	BT - Black Textured		
	90 - 90 Watts		30 - 3000K	T4 - Type Iv	PA - Prismatic Acrylic	DB - Dark Bronze		
			40 - 4000K	T5 - Type V	WA - White Acrylic	GN - Green		
			50 - 5000K			**Premium Finishes**		
						WH - White Gloss		
						CF - Custom Finish		

L-RETRO-T
LIGHT ENGINE

LM-CPT

DESCRIPTION

The Lumecon Midtown Series Carriage Post-Top is a traditional decorative fixture for outdoor lighting that's reminiscent of early American style. The look is fluid and simple, inspired by old world gas lanterns. Available in multiple wattage, color temperatures and four distribution versions, this fixture is able to replace existing 100W-250W HID's one-for-one. Each model delivers superior lumen output to illuminate your next downtown lighting project.



Model	Width	Height	Depth	Weight
LCPT-3" Tenon	11.8"	25.29"	11.8"	17 lbs

Technical Specifications

Housing: Die cast aluminum housing and front frame with black powder coat finish over a chromate conversion coating. Housing features an integrated heat sink and driver compartment built into the fixture design. Optional photocell accessory available.

Mounting: Available models to slip fit onto a 2 3/8" or 3" tenon.

Color Temperature: 2200K, 2700, 3000K, 4000K, and 5000K.

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from --40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

POWERED BY THE LUMECON L-RETRO-T LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 1.65 ft2

Dimming: 0-10V standard dimming capability.

L-RETRO-C LIGHT ENGINE

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "hot spots" and uses less wattage than typical LED area lights.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Battery Back-Up (Optional): When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Certification Data: ETL Listed to UL 1598, UL 8750 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750.

Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulation

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

Lumecon Midtown Carriage Post-Top

Performance Data

			2200K		2700K		3000K		4000K		5000K	
Model	Distribution Type	Watts	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
LCPT-25	Type 3	25W	1,893	70	2,013	75	2,107	78	2,343	87	2,133	79
	Type 5	25W	2,050	76	2,402	89	2,514	94	2,795	104	2,545	95
LCPT-30	Type 3	30W	2,335	62	2,736	73	2,864	76	3,184	84	2,899	77
	Type 5	30W	2,786	74	3,265	87	3,417	91	3,800	101	3,458	92
LCPT-45	Type 3	45W	2,808	60	3,291	70	3,445	73	3,830	82	3,487	74
	Type 5	45W	3,351	71	3,927	84	4,111	88	4,570	97	4,163	89
LCPT-55	Type 3	55W	3,248	57	3,806	67	3,984	70	4,429	78	4,033	71
	Type 5	55W	3,876	69	4,541	80	4,754	84	5,285	93	4,813	85
LCPT-65	Type 3	65W	3,382	55	3,993	64	4,180	68	4,646	75	4,232	68
	Type 5	65W	4,067	66	4,793	77	4,969	81	5,544	90	5,045	82

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LCPT-25-B-T5-1-40

REQUIRED

MODEL	WATTAGE	COLOR	DISTRIBUTION	VOLTAGE	CCT
LCPT	25 - 25 Watts	B - Black	T3 - Type III	1 - 120v-277v	22 - 2200K
	30 - 30 Watts	CC - Custom	T5 - Type V	2 - 347v-480v	27 - 2700K
	45 - 45 Watts				30 - 3000K
	55 - 55 Watts				40 - 4000K
	65 - 65 Watts				50 - 5000K

OPTIONAL

MOUNTING METHOD	PHOTOCELL	RECEPTACLE
3 - 3" Tenon	PC3 - 120v-277v Twist Lock Photocell (10 year warranty)	R - Receptacle Only
	PC4 - 347v-480v Twist Lock Photocell (10 year warranty)	RC - Receptacle Only with Shorting Cap
		7P - Seven-pin Twist Lock Photocell Receptacle Only[1]

Notes:
1. For units with 7P the mounting must be restricted to +/-45º from horizontal aim per ANSI C1136.10-2010

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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

LM-CRT

Shown with:
BH1 Fitter
CA - Clear Acrylic Globe

Requires nominal 3" diameter x 2 7/8" tall tenon

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	B10	B11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS
Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, 5000K.

LED LIFETIME: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

L-RETRO-DG LIGHT ENGINE

L-RETRO-DG LIGHT ENGINE

Lumecon Midtown Cork Town Post-Top

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-CRT-35-1-22-CA-BH2-BK-SR-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-CRT	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	CA - Clear Acrylic	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K	WA - White Acrylic	BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K	CP - Clear Polycarbonate	BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	
					BH11 - 13.5"	

OPTIONAL

SOLID ROOF	FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
SR1	FN1	HSS - Type 3	PC - Button E	7P - 7 Pin Receptacle
	FN2			
	FN3			
	FN4			

Cage and Fitter welded together requiring both to be selected

Fitters

Solid Roof

SR1

Finials

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LM-DAV

Shown with:
BH3 Fitter
FN3 Spike Finial
LA - Lumieo® Acrylic

Requires nominal 3" diameter x 2 7/8" tall tenon

Shown with:
LA - Lumieo® Acrylic

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	BH10	BH11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS
Acrylic: Made from UV-stable Lumieo® materials, which may include internally recycled content – an environmentally responsible choice and provides exceptional efficacy. Internal vertical optics coupled with external texture provides maximum LED hiding.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

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Please see www.lumecon.com for current specifications and documentation.

L-RETRO-DG LIGHT ENGINE

L-RETRO-DG LIGHT ENGINE

Lumecon Midtown Davenport Post-Top

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post -Top Series
Example Part Number: LM-DAV-35-1-22-LA-BH2-BK-CG11-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-DAV	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	LA - Lumieo® acrylic	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K		BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K		BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	
					BH11 - 13.5"	

OPTIONAL

CAGE	FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
CG11	FN1	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
CG13M1	FN2			
CG21	FN3			
CG22M1	FN4			
CG23M1				
CG28				
CG38				

Cage and Fitter welded together requiring both to be selected

Fitters

Cage Sample

CG22M1 Shown

Finials

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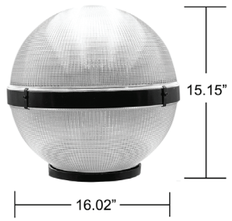
LM-DPL

Shown with:
BH2 Fitter
PIW- Prismatic Injection Molded - White

Requires nominal 3" diameter x 2 7/8" tall tenon



Shown with:
PIW - Prismatic Injection Molded - White

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	BH10	BH11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5"

Technical Specifications

GLOBE MATERIALS
Acrylic: Our two-piece acrylic lens post-top features precise prisms achievable only through injection molding. The prisms provide pleasing daytime "prismatic sparkle' and provide excellent uniformity, light distribution, and efficiency for nighttime performance. The globe carries a 20-year warranty which includes resistance to yellowing, as we define as having a yellowness index of less than 7.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON ROF LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Utilizes the Lumecon ROF Patent no: US 11300282 B1.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 3000K and 4000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

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Performance Data

Model	Watts	Equiv	Delivered Lumens	Efficacy
LM-DPL-1 (Type V)	54W	100W HID	3,922 Lm	72 LPW
LM-DPL-2 (Type V)	58W	175W HID	5,739 Lm	68 LPW
LM-DPL-3 (Type V)	85W	250W HID	7,276 Lm	62 LPW

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-DPL-1-2-40-AC-BH2-BK-NPLL-HSS-PC-7P

	REQUIRED						*OPTIONAL*			
MODEL	**WATTAGE**	**VOLTAGE**	**CCT**	**GLOBE**	**FITTER**	**FINISH**	**LITELID**	**HOUSE SIDE SHIELD**	**PHOTOCELL**	**CONTROLS READY**
LM-DPL	1 - 54W / Type V 2 - 58W / Type V 3 - 85W / Type V	1 - 120v - 277v 2 - 347v - 480v	30 - 3000K 40 - 4000K	AC - Acrylic Prismatic Injection - Clear AW - Acrylic Prismatic Injection - White	BH1 - 10" BH2 - 6.75" BH3 - 8" BH4 - 6.75" BH5 - 11.25" BH8 - 12" BH9 - 11.5" BH10 - 12.75" *Fits 4" OD Tenon Mount* BH11 - 13.5"	BK - Black Gloss BT - Black Textured DB - Dark Bronze GN - Green **Premium Finishes** WH - White Gloss CF - Custom Finish	NPLL - Non-Perforated LiteLid DLL - Diffused LiteLid	HSS - House side Shield	PC - Button Eye	7P - 7 Pin Receptacle

Fitters

BH1 BH2 BH3 BH4 BH5 BH8 BH9 BH10 BH11

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LM-GRL

Shown with:
BH5 Fitter
CA - Clear Acrylic Globe

Requires nominal 3" diameter x 2 7/8" tall tenon

Technical Specifications

GLOBE MATERIALS
Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Shown with:
SR2 Solid Roof
CA - White Acrylic Globe

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	B10	B11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Color Temperature: 2200K, 2700K, 3000K, 4000K, 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

40kV EXTREME SURGE PROTECTION · MADE IN MICHIGAN · 10 YEAR WARRANTY · L-RETRO-DG LIGHT ENGINE · Intertek · BUILD AMERICA BUY AMERICA ACT · L-RETRO-DG LIGHT ENGINE · DLC LISTED PREMIUM

Lumecon Midtown Grand River Large Post-Top

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-GRL-35-1-CA-BH2-BK-CG11-SR2-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-GRL	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	CA - Clear Acrylic	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K	WA - White Acrylic	BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K	CP - Clear Polycarbonate	BH3 - 8"	DB - Dark Bronze
			40 - 4000K	LD - LD Visual Comfort	BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	
					BH11 - 13.5"	

OPTIONAL

CAGE	SOLID ROOF	FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
CG11	SR2	FN1	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
CG12M1		FN2			
CG13M1		FN3			
CG18		FN4			
CG21					
CG22M1					
CG23M1					
CG28					

Cage and Fitter welded together requiring both to be selected

Fitters

BH1 BH2 BH3 BH4 BH5 BH8 BH9 BH10 BH11

Cage Sample

CG28 Shown

Solid Roof

SR2 Shown

Finials

FN1 FN2 FN3 FN4

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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

Requires nominal 3" diameter x 2 7/8" tall tenon

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	BH10	BH11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS

Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

MANUFACTURING ORIGIN: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified ProducT: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post -Top Series

Example Part Number: LM-GRT-35-1-22-CA-BH2-BK-SR7-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-GRT	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	CA - Clear Acrylic	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K	WA - White Acrylic	BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K	CP - Clear Polycarbonate	BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	
					BH11 - 13.5"	

OPTIONAL

SOLID ROOF	FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
SR7	FN1	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
	FN2			
	FN3			
	FN4			

Fitters

Solid Roof

SR7

Finials

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LM-HAM

Shown with:
BH1 Fitter
CA - Clear Acrylic Globe

Requires nominal 3" diameter x 2 7/8" tall tenon

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	B10	B11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS
Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

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L-RETRO-DG LIGHT ENGINE — L-RETRO-DG LIGHT ENGINE

Lumecon Midtown Hamtramck Post-Top

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-HAM-35-1-22-CA-BH2-BK-CG77-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-HAM	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	CA - Clear Acrylic	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K	WA - White Acrylic	BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K	CP - Clear Polycarbonate	BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	
					BH11 - 13.5"	

OPTIONAL

CAGE	FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
CG11	FN1	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
CG12M1	FN2			
CG13M1	FN3			
CG18	FN4			
CG21				
CG22M1				
CG23M1				
CG28				

Cage and Fitter welded together requiring both to be selected

Fitters

Cage Sample

CG77 Shown

Finials

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Please see www.lumecon.com for current specifications and documentation.

LM-LCT

Shown with:
BH1 Fitter
CA - Clear Acrylic Globe

Requires nominal 3" diameter x 2 7/8" tall tenon

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	BH10
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS
Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering IndeX (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

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Please see www.lumecon.com for current specifications and documentation.

L-RETRO-DG LIGHT ENGINE — L-RETRO-DG LIGHT ENGINE

Lumecon Midtown Little Cork Town Post-Top

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-LCT-35-1-22-CA-BH2-BK-SR1-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-LCT	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	CA - Clear Acrylic	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K	WA - White Acrylic	BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K	CP - Clear Polycarbonate	BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	

OPTIONAL

SOLID ROOF	FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
SR1	FN1	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
	FN2			
	FN3			
	FN4			

Fitters

Solid Roof

SR1

Finials

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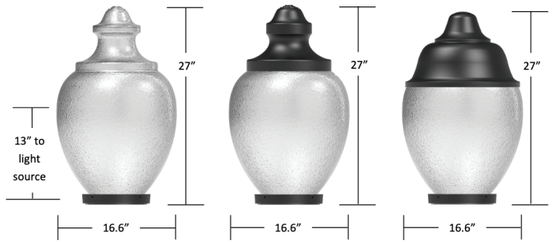
Please see www.lumecon.com for current specifications and documentation.

LM-LPL

Shown with:
BH1 Fitter
CA - Clear Acrylic Globe

Requires nominal 3" diameter x 2 7/8" tall tenon



Shown with:
SR1 Solid Roof
CA - Clear Acrylic Globe

Shown with:
SR3 Solid Roof
CA - Clear Acrylic Globe

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	B10	B11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS
Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering IndeX (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

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Please see www.lumecon.com for current specifications and documentation.

L-RETRO-DG LIGHT ENGINE — L-RETRO-DG LIGHT ENGINE

Lumecon Midtown Lafayette Park Large Post-Top

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-LPL-35-1-22-CA-BH2-BK-CG77-SR7-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-LPL	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	CA - Clear Acrylic	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K	WA - White Acrylic	BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K	CP - Clear Polycarbonate	BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	
					BH11 - 13.5"	

OPTIONAL

CAGE	SOLID ROOF	FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
CG11	SR1	FN1	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
CG12M1	SR3	FN2			
CG13M1		FN3			
CG18		FN4			
CG21					
CG22M1					
CG23M1					
CG28					

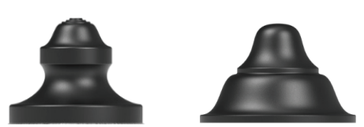
Cage and Fitter welded together requiring both to be selected

Fitters

Cage Sample

CG77 Shown

Solid Roof



SR1 SR3

Finials

FN1 FN2 FN3 FN4

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Please see www.lumecon.com for current specifications and documentation.

LM-LPM

Shown with:
BH2 Fitter
CA - Clear Acrylic Globe
CG77 Cage

Requires nominal 3" diameter x 2 7/8" tall tenon

Shown with:
SR7 Solid Roof
CA - Clear Acrylic Globe

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	BH10
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS
Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering IndeX (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

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Please see www.lumecon.com for current specifications and documentation.

L-RETRO-DG LIGHT ENGINE
L-RETRO-DG LIGHT ENGINE

Lumecon Midtown Lafayette Park Medium Post-Top

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post -Top Series
Example Part Number: LM-LPM-35-1-22-CA-BH2-BK-CG77-SR7-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-LPM	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	CA - Clear Acrylic	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K	WA - White Acrylic	BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K	CP - Clear Polycarbonate	BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	

OPTIONAL

CAGE	SOLID ROOF	FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
CG77	SR7	FN1	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
		FN2			
		FN3			
		FN4			

Cage and Fitter welded together requiring both to be selected

Fitters

Cage

CG77

Solid Roof

SR7

Finials

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LM-LWW

Shown with:
BH2 Fitter
PI - Prismatic Injection Molded
FN2 - Flame Finial

Requires nominal 3" diameter x 2 7/8" tall tenon

Shown with:
PI - Prismatic Injection Molded

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	BH10
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS
Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering IndeX (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

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L-RETRO-DG LIGHT ENGINE
L-RETRO-DG LIGHT ENGINE

Lumecon Midtown Little Woodward Post-Top

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-LWW-35-1-22-AC-BH2-BK-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-LWW	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	AC - Prismatic Injection Molded - Clear	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K		BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K		BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	

OPTIONAL

FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
FN1	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
FN2			
FN3			
FN4			

Fitters

Finials

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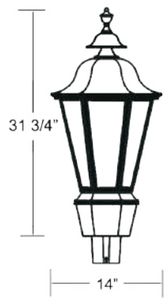
LM-MDN



Technical Specifications

Housing: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Cast aluminum housing uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-T LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 1.0 ft²

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "hot spots" and uses less wattage than typical LED area lights.

L-RETRO-T
Light Engine

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ is available upon request. CRI 90+ is not available in 2200K.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Manufactured with ETL-compliant components.

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40kV EXTREME SURGE PROTECTION · MADE IN MICHIGAN · 10 YEAR WARRANTY · L-RETRO-T LIGHT ENGINE · Intertek · BUILD AMERICA BUY AMERICA ACT

Lumecon Midtown Madison Post-Top

Performance Data

			2200K		2700K		3000K		4000K		5000K	
Model	**Distribution Type**	**Watts**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**
LM-MDN-45	Type 2	45W	4,452	101	4,925	111	5,295	120	5,413	122	5,641	128
	Type 3	45W	4,602	104	5,901	115	5,449	123	5,596	127	5,831	132
	Type 4	45W	4,106	93	5,239	118	5,499	124	5,759	130	6,001	136
	Type 5	45W	4,779	108	5,287	120	5,337	121	5,812	131	6,519	137
LM-MDN-65	Type 2	65W	5,892	94	6,519	104	6,780	108	7,166	114	7,467	119
	Type 3	65W	6,091	97	6,739	108	7,213	115	7,408	118	7,944	127
	Type 4	65W	6,278	100	6,935	111	7,279	116	7,624	123	8,017	128
	Type 5	65W	6,326	101	6,780	112	7,279	116	7,693	123	8,017	128
LM-MDN-90	Type 2	90W	9,923	109	10,979	121	11,418	126	11,986	133	12,575	139
	Type 3	90W	10,259	113	11,350	125	12,147	134	12,400	138	13,378	148
	Type 4	90W	10,550	117	11,680	129	12,259	135	12,912	142	13,501	149
	Type 5	90W	10,605	118	11,813	130	12,224	135	12,877	143	13,500	149

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-MDN-45-1-40-T3-NL-BK-PC-BL

REQUIRED							*OPTIONAL*	
MODEL	**WATTAGE**	**VOLTAGE**	**CCT**	**DISTRIBUTION**	**LENS**	**FINISH**	**PHOTOCELL**	**HOUSE SIDE SHIELD**
LM-MDN	45 - 45 Watts	1 - 120v - 277v	22 - 2200K	T3 - Type III	NL - No Lens	BK - Black Gloss	PC - Button Eye	BL - Back Light Louvers
	65 - 65 Watts	2 - 347v - 480v	27 - 2700K	T5 - Type V	CA - Clear Acrylic	BT - Black Textured		
	90 - 90 Watts		30 - 3000K		OA - Opal Acrylic	DB - Dark Bronze		
			40 - 4000K		PP - Prismatic Polycarbonate	GN - Green		
			50 - 5000K			**Premium Finishes**		
						WH - White Gloss		
						CF - Custom Finish		

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LM-RYO

Shown with:
BH9 Fitter
F2 Finial
CA - Clear Acrylic Globe

Requires nominal 3" diameter x 2 7/8" tall tenon

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	B10	B11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS
Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering IndeX (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

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L-RETRO-DG LIGHT ENGINE
L-RETRO-DG LIGHT ENGINE

Lumecon Midtown Royal Oak Post-Top

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-RYO-35-1-22-CA-BH2-BK-CG77-SR7-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-RYO	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	CA - Clear Acrylic	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K	WA - White Acrylic	BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K		BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	
					BH11 - 13.5"	

OPTIONAL

CAGE	SOLID ROOF	FINIAL	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
CG11	SR1	FN1	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
CG12M1		FN2			
CG13M1		FN3			
CG18		FN4			
CG21					
CG22M1					
CG23M1					
CG28					

Cage and Fitter welded together requiring both to be selected

Fitters

Cage Sample

CG77 Shown

Solid Roof

SR1

Finials

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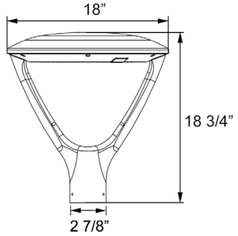
LM-SEL

LM-SEL Single Arm
Arch Post -Top

LM-SEL Double Arm
Arch Post -Top

DESCRIPTION

The LM-SEL post-top fixture is designed for both form and function. The aesthetically pleasing design allows for superior area lighting as well as meeting Dark Skies full cutoff requirements. Available in multiple wattage and distribution versions, this fixture is able to replace existing 100W-400W HID's one-for-one. Each model delivers superior lumen output to illuminate your next downtown, campus, multi-family lighting project.



Model	Width	Height	Depth	Weight
LM-SEL	18”	18 3/4”	18”	29 lbs.

Technical Specifications

Light Distribution: LEDs are mounted to the housing with an Integral Heat Sink to ensure optimal heat dissipation. This type of mounting allows for Type 5, Type4, Type 3 and Type 2 light distribution patterns while maintaining a full cutoff rating.

Housing: Die cast and Sand Cast Aluminum Housing with powder coat finish over a chromate conversion coating. Housing features an integrated heat sink and driver compartment built into the fixture design. Optional photocell and/or wireless control accessory available.

Lens: Clear Polycarbonate Vandal-Resistant Array with Integral Optics. Gasketed to seal LED array.

Mounting: Two Mounting methods are available; a single strut or a dual strut. Both fit over a 2 7/8” x 3” tenon.

Input Voltage: 120-277V or 347-480V.

Effective Projected Area (EPA): 1.00ft²

Color Temperature: 3000K, 4000K, 5000K.

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 70 or higher. CRI 80+ or 90+ available upon request.

Dimming: 0-10V standard dimming capability drivers with optional Microwave Occupancy Sensor, Twist-Lock Photo-Cell or 7-Pin Receptacle for wireless controls available.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Battery Back-Up (Optional): When triggered into emergency mode, the BBU operates the LEDs for a code-compliant 90 minutes. When AC power is restored, the driver automatically returns to charging mode. The BBU is a UL recognized component and meets all applicable safety standards.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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Performance Data

Optic	Color Temp	40W	75W	115W	160W
LM-SEL-1 Type I	3000K	4,891	7,979	12,276	17,187
	4000K	5,100	8,302	12,774	17,883
	5000K	5,288	8,626	13,272	18,580
	BUG	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3
LM-SEL-1 Type II	3000K	4,912	8,629	13,275	18,585
	4000K	5,111	8,979	13,814	19,339
	5000K	5,310	9,328	14,352	20,092
	BUG	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3
LM-SEL-1 Type III	3000K	4,932	8,663	13,329	18,660
	4000K	5,132	9,015	13,869	19,417
	5000K	5,331	9,366	14,352	20,173
	BUG	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
LM-SEL-1 Type IV	3000K	4,500	7,905	12,126	17,026
	4000K	4,682	8,226	12,656	17,717
	5000K	4,865	8,546	13,148	18,407
	BUG	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4
LM-SEL-1 Type V	3000K	4,935	8,669	13,337	18,672
	4000K	5,135	9,021	13,878	19,430
	5000K	5,334	9,372	14,419	20,186
	BUG	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2

Optic	Color Temp	40W	75W	115W	160W
LM-SEL-2 Type I	3000K	4,520	7,375	11,345	15,882
	4000K	4,704	7,673	11,804	16,526
	5000K	4,887	7,972	12,264	17,170
	BUG	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3
LM-SEL-2 Type II	3000K	4,539	7,974	12,268	17,174
	4000K	4,723	8,298	12,766	17,871
	5000K	4,907	8,620	13,262	18,567
	BUG	B1-U0-G1	B2-U0-G1	B2-U0-G2	B3-U0-G3
LM-SEL-2 Type III	3000K	4,557	8,006	12,317	17,243
	4000K	4,742	8,331	12,817	17,943
	5000K	4,927	8,655	13,315	18,641
	BUG	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
LM-SEL-2 Type IV	3000K	4,340	7,624	11,418	15,753
	4000K	4,516	7,933	11,881	16,392
	5000K	4,692	8,242	12,343	17,030
	BUG	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4
LM-SEL-2 Type V	3000K	4,560	8,011	12,325	17,255
	4000K	4,745	8,336	12,826	17,955
	5000K	4,930	8,661	13,324	18,653
	BUG	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-SEL-1-40-T2-1-NW-C-BK

REQUIRED

MODEL	WATTAGE	DISTRIBUTION	VOLTAGE	CCT	LENS	COLOR
LM-SEL1 -Single Arm	40 - 40 Watts	T2 - Type II	1 - 120v-277v	OW - 3000K	C - Clear w/optics	BK - Black Gloss
LM-SEL2 - Double Arm	75 - 75 Watts	T3 - Type III	2 - 347v-480v	NW - 4000K		CC - Custom Color
	115 - 115 Watts	T4 - Type Iv		CW - 5000K		*Must specify RAL number*
	160 - 160 Watts	T5 - Type V				

OPTIONAL

MS - Microwave Occupancy Sensor with Dimming for Mounting Heights of 8' to 40'; (120-277v Only)

R - Twist Lock Photocell Receptacle Only

RS - Twist Lock Photocell with Shorting Cap

7P - Seven-Pin Twist Lock Photocell Receptacle Only (Controls by Others)

BB - Battery Back Up (Cold Rated)

TA - Tenon Adapter (Converts a 2⅜" x 4" Pole Tenon to a 2⅛" x 3" Tenon. Die-Cast with Powder coat finish)

TAB - Tenon Adapter (Black) Standard

TAC - Tenon Adapter (Custom Color) Special Order

TA - Tenon Adapter

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LM-TRM

Requires nominal 3” diameter x 2 7/8” tall tenon

Technical Specifications

Housing: Slip fits over 2 7/8” and 3” OD tenons on most decorative poles. Cast aluminum housing uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Fitter: Slip fits over 2 7/8” and 3” OD tenons on most decorative poles. Requires nominal 3” diameter x 2 7/8” tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-T LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 1.0 ft²

L-RETRO-T
Light Engine

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance “hot spots” and uses less wattage than typical LED area lights.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture’s exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED LIFETIME: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

Buy American Act: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Manufactured with ETL-compliant components.

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L-RETRO-T
LIGHT ENGINE

Performance Data

			2200K		2700K		3000K		4000K		5000K	
Model	**Distribution Type**	**Watts**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**	**Lumens**	**Efficacy**
LM-TRM-45	Type 2	45W	4,452	101	4,925	111	5,295	120	5,413	122	5,641	128
	Type 3	45W	4,602	104	5,901	115	5,449	123	5,596	127	5,831	132
	Type 4	45W	4,106	93	5,239	118	5,499	124	5,759	130	6,001	136
	Type 5	45W	4,779	108	5,287	120	5,337	121	5,812	131	6,519	137
LM-TRM-65	Type 2	65W	5,892	94	6,519	104	6,780	108	7,166	114	7,467	119
	Type 3	65W	6,091	97	6,739	108	7,213	115	7,408	118	7,944	127
	Type 4	65W	6,278	100	6,935	111	7,279	116	7,624	123	8,017	128
	Type 5	65W	6,326	101	6,780	112	7,279	116	7,693	123	8,017	128
LM-TRM-90	Type 2	90W	9,923	109	10,979	121	11,418	126	11,986	133	12,575	139
	Type 3	90W	10,259	113	11,350	125	12,147	134	12,400	138	13,378	148
	Type 4	90W	10,550	117	11,680	129	12,259	135	12,912	142	13,501	149
	Type 5	90W	10,605	118	11,813	130	12,224	135	12,877	143	13,500	149

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-TRM-65-1-27-T5-NL-BK-PC-BL

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	DISTRIBUTION	LENS	FINISH
LM-TRM	45 - 45 Watts	1 - 120v - 277v	22 - 2200K	T2 - Type II	NL - No Lens	BK - Black Gloss
	65 - 65 Watts	2 - 347v - 480v	27 - 2700K	T3 - Type III	CA - Clear Acrylic	BT - Black Textured
	90 - 90 Watts		30 - 3000K	T4 - Type Iv	PA - Prismatic Acrylic	DB - Dark Bronze
			40 - 4000K	T5 - Type V	WA - White Acrylic	GN - Green
			50 - 5000K			**Premium Finishes**
						WH - White Gloss
						CF - Custom Finish

OPTIONAL

PHOTOCELL	HOUSE SIDE SHIELD
PC - Button Eye	BL - Back Light Louvers

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Shown with:
BH9 Fitter
PI - Prismatic Injection Molded

Requires nominal 3" diameter x 2 7/8" tall tenon

Shown with:
PI - Prismatic Injection Molded

FITTER	BH1	BH2	BH3	BH4	BH5	BH8	BH9	B10	B11
HEIGHT	10"	6.75"	8"	6.75"	11.25"	12"	11.5"	12.75"	13.5"

FINIAL	FN1	FN2	FN3	FN4
HEIGHT	5"	4"	3"	3.5"

Technical Specifications

GLOBE MATERIALS
Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80˚C and transmittance of 90% to 94% (application dependent).

Polycarbonate - UV stabilized with a continuous operating temperature of 100˚C to 125˚C, high impact resistance down to -40the ˚C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

Fitter: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

Color Temperature: 2200K, 2700K, 3000K, 4000K, 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering IndeX (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

Certification: Built with ETL/UL-certified components.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Performance Data

		2200K		2700K		3000K		4000K		5000K	
DISTRIBUTION	WATTAGE	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY	LUMENS	EFFICACY
Type 5	35	3500	100	4480	128	4480	128	4585	131	4550	130
Type 5	45	4365	97	5580	124	5580	124	5895	131	5670	126
Type 5	55	5170	94	6655	121	6655	121	6765	123	6655	121

Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-WW-35-1-22-AC-BH2-BK-CG11-FN1-HSS-PC-7P

REQUIRED

MODEL	WATTAGE	VOLTAGE	CCT	GLOBE	FITTER	FINISH
LM-WW	35 - 35 Watts	1 - 120v - 277v	22 - 2200K	AC - Prismatic Injection Molded - Clear	BH1 - 10"	BK - Black Gloss
	45 - 45 Watts	2 - 347v - 480v	27 - 2700K		BH2 - 6.75"	BT - Black Textured
	55 - 55 Watts		30 - 3000K		BH3 - 8"	DB - Dark Bronze
			40 - 4000K		BH4 - 6.75"	GN - Green
			50 - 5000K		BH5 - 11.25"	**Premium Finishes**
					BH8 - 12"	WH - White Gloss
					BH9 - 11.5"	CF - Custom Finish
					BH10 - 12.75" *Fits 4" OD Tenon Mount*	
					BH11 - 13.5"	

OPTIONAL

CAGE	FINIAL	TOP GLOBE COLOR	HOUSE SIDE SHIELD	PHOTOCELL	CONTROLS READY
CG11	FN1	CL - Clear	HSS - Type 3	PC - Button Eye	7P - 7 Pin Receptacle
CG13M1	FN2	B - Black			
CG21	FN3	CC - Custom			
CG22M1	FN4				
CG23M1					
CG28					
CG38					

Cage and Fitter welded together requiring both to be selected

Fitters

BH1 BH2 BH3 BH4 BH5 BH8 BH9 BH10 BH11

Cage Sample

CG22M1 Shown

Finials

FN1 FN2 FN3 FN4

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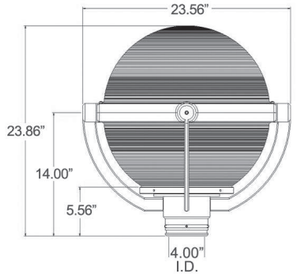


Technical Specifications

GLOBE MATERIALS
Acrylic: Our two-piece acrylic lens post-top features precise prisms achievable only through injection molding. The prisms provide pleasing daytime “prismatic sparkle’ and provide excellent uniformity, light distribution, and efficiency for nighttime performance. The globe carries a 20-year warranty which includes resistance to yellowing, as we define as having a yellowness index of less than 7.

Fitter: Slip fits over 4” OD tenons on most decorative poles. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon,0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

Finish: Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

POWERED BY THE LUMECON ROF LIGHT ENGINE

Input Voltage: 120-277V or 347-480V

Effective Projected Area (EPA): 0.65 ft²

Light Engine: Utilizes the Lumecon ROF Patent no: US 11300282 B1.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture’s exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

COLOR TEMPERATURE: 2200K, 2700K, 3000K, 4000K, and 5000K.

LED Lifetime: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

DIMMING: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.

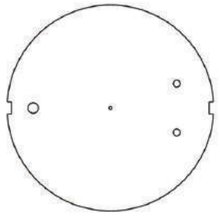
Performance Data

Model	Watts	Equiv	Delivered Lumens	Efficacy
LM-L35W-1 (Type V)	54W	100W HID	3876 Lm	72 LPW
LM-L35W-2 (Type V)	84W	175W HID	5953 Lm	72 LPW
LM-L35W-3 (Type V)	118W	250W HID	8426 Lm	72 LPW

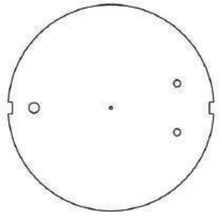
Ordering Information

Lumecon Midtown Post-Top Series
Example Part Number: LM-L35W-1-1-40-BK-PC-D

REQUIRED					*OPTIONAL*			
MODEL	WATTAGE / DISTRIBUTION	VOLTAGE	CCT	FINISH	PHOTOCELL	LITELID	POLE ADAPTER	CONTROLS READY
LM-L35W	1 - 54 Watts / Type V 2 - 84 Watts / Type V 3 - 117 Watts / Type V	1 - 120v - 277v 2 - 347v - 480v	22 - 2200K 27 - 2700K 30 - 3000K 40 - 4000K 50 - 5000K	BK - Black CC - Custom Color	PC - Button Eye Style Photocell	C - Cutoff Reflective - A thin, MIRO(r) reflective-full cut off LiteLid that is strong, ultra-lightweight and dark sky compliant. D - Diffuser Cutoff - An acrylic/polycarbonate diffused LiteLid that’s tough and lightweight, with outstanding optical properties diffusing 80% of up light.	3TA - 3”	7P - 7 Pin Receptacle



C - Cutoff Reflective LiteLid:
A thin, MIRO(r) reflective-full cut off lite lid that is strong, ultra-lightweight and dark sky compliant.



D - Diffuser Cutoff LiteLid:
An acrylic/polycarbonate diffused lite lid that’s tough and lightweight, with outstanding optical properties diffusing 80% of up light.

3TA: 3” Pole Adapter

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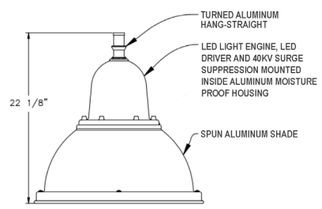
LMTD-HS

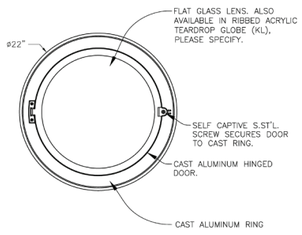
Lumecon LED's Mid-Town Tear Drop, complete with a side-mount hang-straight feature, is a robust, classically designed decorative tear-drop fixture. The LMTD combines a traditional, elegant form factor with a best-in-class, 100,000-hour LED luminaire lifetime rating. The LMTD is purpose-built, boasting exceptional efficacy, custom optics control, unmatched uniformity, and light spread. The LMTD can also adapt to any control system, or mesh network integration. Perfect for DOT, Streetscape, and Downtown Decorative lighting, the LMTD combines USA-Made technology with long-term payback. Applications include parking lots, roadways, pathways, and general area lighting.

For Lumen Packages see current spec sheet

Width: 22"

Height: 22 1/8"





Technical Specifications

Input Voltage: 120-277V or 347-480V.

Housing: Die-cast aluminum housing with 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum adhesion of the powder coating to the aluminum substrate.

Mounting: Mounting arm designed for a top-down hang. Check out our full listing of decorative arms, bases, and poles.

Effective Projected Area (EPA): 1.0

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K available.

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from-40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "hot spots" and use less wattage than typical LED area lights.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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Please see www.lumecon.com for current specifications and documentation.

LED Mid-Town Tear Drop Hang Straight

Fixture Ordering Information

LMTD-HS Options / Ordering Example: LMTD-HS-40-DB-T3-FG-1-40

Wattage	Paint Color	Distribution	Lens	Voltage	Color Temperature
20 - 20 Watts	DB - Dark Bronze	T2 - Type II	FG - Flat Glass	1 - 120v-277v	22 - 2200K
30 - 30 Watts	FG - Forest Green	T3 - Type III		2 - 347v-480v	27 - 2700K
40 - 40 Watts	B - Black	T4 - Type IV			30 - 3000K
50 - 50 Watts	WH - White	T5 - Type V			40 - 4000K
60 - 60 Watts	CC - Custom Color*				50 - 5000K
70 - 70 Watts	**Will need RAL number*				
80 - 80 Watts					
90 - 90 Watts					
100 - 100 Watts					
110 - 110 Watts					

Options & Accessories

PC1 - 120v-277v Twist Lock Photocell (10-year warranty)
PC2 - 347v-480v Twist Lock Photocell (10-year warranty)
DIM4 - 105-305 VAC, 50/60 Hz with ten position field adjustable selector switch
DIM4-HV - High Voltage 312-530 VAC, 50/60 Hz with ten position field adjustable selector switch
DIM4-CD - Constant all-night Dimming
DIM4-CD-HV - Constant all-night Dimming, 315-530 VAC 50/60Hz
DIM4-CUL - 120 VAC. 50/60 Hz, cUL-certified version with gray cover
DIM4-ALC - Adaptive Lighting Control with a 2% per year incremental increase to compensate for an aging fixture
DIM3-XX - Factory set dimming schedule (10 position selector switch not available)

For Decorative Base and Poles Ordering Options see current spec sheet

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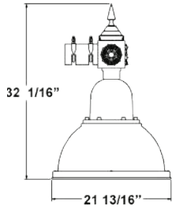
LMTD-SM

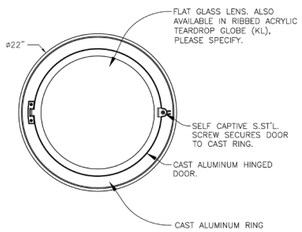
Lumecon LED's Mid-Town Tear Drop, complete with a side-mount hang-straight feature, is a robust, classically designed decorative tear-drop fixture. The LMTD combines a traditional, elegant form factor with a best-in-class, 100,000-hour LED luminaire lifetime rating. The LMTD is purpose-built, boasting exceptional efficacy, custom optics control, unmatched uniformity, and light spread. The LMTD can also adapt to any control system, or mesh network integration. Perfect for DOT, Streetscape, and Downtown Decorative lighting, the LMTD combines USA-Made technology with long-term payback. Applications include parking lots, roadways, pathways, and general area lighting.

For Lumen Packages see current spec sheet

Width: 21 13/16"

Height: 32 1/16"





Technical Specifications

Input Voltage: 120-277V or 347-480V.

Housing: Die-cast aluminum housing with 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum adhesion of the powder coating to the aluminum substrate.

Mounting: Mounting arm designed for a side hang. Check out our full listing of decorative arms, bases, and poles.

Effective Projected Area (EPA): 1.0

Color Temperature: 2200K, 2700K, 3000K, 4000K, and 5000K available.

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 115°F/46°C.

Color Rendering Index (CRI): Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

Dimming: 0-10V standard dimming capability.

Custom Optics: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "hot spots" and use less wattage than typical LED area lights.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1598, UL 8750 and CSA 22.2 No. 250. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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LED Mid-Town Tear Drop Side Mount

Fixture Ordering Information

LMTD-SM Options / Ordering Example: LMTD-SM-40-DB-T3-FG-1-40-TLR

Wattage	Paint Color	Distribution	Lens	Voltage	Color Temperature	Side Mount Adapter Options
20 - 20 Watts	DB - Dark Bronze	T2 - Type II	FG - Flat Glass	1 - 120v-277v	22 - 2200K	TLR – 7-Pin Twist Lock Receptacle
30 - 30 Watts	FG - Forest Green	T3 - Type III		2 - 347v-480v	27 - 2700K	TLRC – Twist Lock Receptacle with Cast Aluminum Cover
40 - 40 Watts	B - Black	T4 - Type IV			30 - 3000K	RNDC – Round Cap Cover
50 - 50 Watts	WH - White	T5 - Type V			40 - 4000K	SPK – Decorative Spike Cap
60 - 60 Watts	CC - Custom Color*				50 - 5000K	
70 - 70 Watts	*Will need RAL number					
80 - 80 Watts						
90 - 90 Watts						
100 - 100 Watts						
110 - 110 Watts						

Options & Accessories

RS - Rosettes

SC - Polycarbonate Shorting Cap

PC1 - 120v-277v Twist Lock Photocell (10-year warranty)

PC2 - 347v-480v Twist Lock Photocell (10-year warranty)

DIM4 - 105-305 VAC, 50/60 Hz with ten position field adjustable selector switch

DIM4-HV - High Voltage 312-530 VAC, 50/60 Hz with ten position field adjustable selector switch

DIM4-CD - Constant all-night Dimming

DIM4-CD-HV - Constant all-night Dimming, 315-530 VAC 50/60Hz

DIM4-CUL - 120 VAC. 50/60 Hz, cUL-certified version with gray cover

DIM4-ALC - Adaptive Lighting Control with a 2% per year incremental increase to compensate for an aging fixture

DIM3-XX - Factory set dimming schedule (10 position selector switch not available)

For Decorative Base and Poles Ordering Options see current spec sheet

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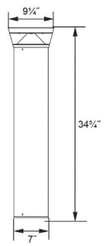
LMB-R

Round

The LMB-R walkway bollard is built with a robust die-cast aluminum housing and vandal resistant polycarbonate lens. Available in one wattage version and equivalent to a 100W HID, the LMB-R is a perfect solution for lighting entrance walkways and for general illumination purposes.

Model	Watts	Equiv	Delivered Lumens	Efficacy
LMB-R	19W	100W HID	1,869 Lm	100 LPW

Width: 9 1/4”
Depth: 7”
Height: 34 3/8”
Weight: 13.5 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Extruded aluminum housing with a powder coat finish over a chromate conversion coating. Housing features a flush mounting base, vandal-resistant screws and a top.

Lens: Clear UV-stabilized polycarbonate vandal-resistant lens.

Mounting: 8” anchor bolts and mounting kit provided standard. Additional anchor bolt lengths include 12” and 15” options.

Effective Projected Area (EPA): 1.07 ft²

Color Temperature: 2700K, 3000K, 4000K and 5000K

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598 and UL 8750.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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Ordering Information

LMB-R – Round Options / Ordering Example: LMB-R-DB-1-8-NW-X

Type	Color	Voltage	Mounting Methods	Color Temperature	Inline Fuse
R - Round	DB - Dark Bronze	1 - 120v-277v	8 - 8” Anchor Bolts	WW - 2700K	X - None
	BK - Black*	2 - 347v-480v	12 - 12” Anchor Bolts	OW - 3000K	F - Inline Fuse, 2.5A
			15 - 15” Anchor Bolts	NW - 4000K	
				CW - 5000K	

Options & Accessories Images

LUMEBASE - Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns.
Fits all Lumecon Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½” Dia. x 1½” H

Lumebase

Anchor Bolt Assembly
(included)

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LMB-S

The LMB-S walkway bollard is built with a robust die-cast aluminum housing and vandal resistant polycarbonate lens. Available in one wattage version and equivalent to a 100W HID, the LMB-S is a perfect solution for lighting entrance walkways and for general illumination purposes.

Model	Watts	Equiv	Delivered Lumens	Efficacy
LMB - S	27W	100W HID	2,133 Lm	79 LPW

Width: 9 1/4”

Depth: 7”

Height: 34 3/4”

Weight: 13.5 lbs

Technical Specifications

Input Voltage: 120-277V

Housing: Extruded aluminum housing with a powder coat finish over a chromate conversion coating. Housing features a flush mounting base, vandal-resistant screws and a top.

Lens: Clear UV-stabilized polycarbonate vandal-resistant lens.

Mounting: 8” anchor bolts and mounting kit provided standard. Additional anchor bolt lengths include 12” and 15” options.

Effective Projected Area (EPA): 1.07 ft²

Color Temperature: 2700K, 3000K, 4000K and 5000K

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598 and UL 8750.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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Ordering Information

LMB-S Ordering Example: LMB-S-DB-1-8-NW-34

Type	Color	Voltage	Mounting Methods	Color Temperature	Height
S - Square	DB - Dark Bronze	1 - 120v-277v	8 - 8” Anchor Bolts	WW - 2700K	34 - 34” Height (Standard)
	BK - Black		12 - 12” Anchor Bolts	OW - 3000K	30 - 30” Height
	CC - Custom Color		15 - 15” Anchor Bolts	NW - 4000K	
				CW - 5000K	

Options & Accessories Images

GFI - GFCI Outlet, 15A, 120V

MS - Internal Microwave Occupancy Sensor (120-277V Only)

MST - Remote Programming Tool for MS

LUMEBASE - Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns.
Fits all Lumecon Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½” Dia. x 1½” H

GFI - GFCI Outlet

MS - Internal Microwave Occupancy Sensor

MST - Remote Programming Tool

Lumebase

Anchor Bolt Assembly (included)

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LMB-APT

LMB-APT-Round

LMB-APT-Square

The LMB-APT walkway bollard is built with a robust die-cast aluminum housing and vandal resistant polycarbonate lens. Available in one wattage version and equivalent to a 70W HID, the LMB-APT is a perfect solution for lighting entrance walkways, retail centers, industrial parks, pathways and for general illumination purposes.

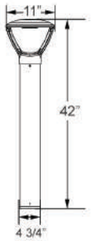
Model	Min	Equiv	Delivered Lumens	Efficacy
LMB-APT	20W	70W HID	2,081 Lm	106 LPW

Width: 11”

Height: 42”

Diameter: 4 3/4”

Weight: 13.5 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Extruded aluminum housing with a powder coat finish over a chromate conversion coating. Housing features a flush mounting base, vandal-resistant screws and a top.

Lens: Clear polycarbonate lens.

Mounting: 8” anchor bolts and mounting kit provided standard.

Effective Projected Area (EPA): 1.07 ft²

Color Temperature: 3000K, 4000 and 5000K

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598 and UL 8750.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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LED Architectural Post-Top Bollard

Ordering Information

LMB-APT – Round Options / Ordering Example: LMB-APT-R-DB-1-NW-42

Type	Color	Voltage	Color Temperature	Height
R - Round	DB - Dark Bronze	1 - 120v-277v	OW - 3000K	42 - 42” Height (Standard)
S - Square	BK - Black		NW - 4000K	36 - 36” Height
	CC - Custom Color		CW - 5000K	30 - 30” Height

Options & Accessories

GFI - GFCI Outlet, 15A, 120V

MS - Internal Microwave Occupancy Sensor (120-277V Only)

MST - Remote Programming Tool for MS

LUMEBASE - Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns.
Fits all Lumecon Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½˝ Dia. x 1½˝ H

GFI - GFCI Outlet

MS - Internal Microwave Occupancy Sensor

MST - Remote Programming Tool

Lumebase

Anchor Bolt Assembly (included)

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LMB-SPD

LMB-SPD-Round

LMB-SPD-Square

The LMB-SPD walkway bollard is designed to replace HID lighting systems up to 70W MH or HPS. Designs options available in clear glass refractor, cone reflector or internal louvers. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

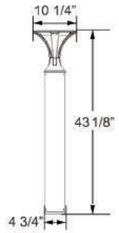
Model	Watts	Equiv	Delivered Lumens	Efficacy
LMB-SPD	17W	70W HID	1,869 Lm	110 LPW

Width: 10 1/4”

Height: 43 1/8”

Diameter: 4 3/4”

Weight: 13.5 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Extruded aluminum housing with a powder coat finish over a chromate conversion coating. Housing features a flush mounting base, vandal-resistant screws and a top.

Lens: Clear UV-stabilized polycarbonate vandal-resistant lens.

Mounting: 8” anchor bolts and mounting kit provided standard.

Effective Projected Area (EPA): 1.07 ft²

Color Temperature: 3000K, 4000K and 5000K

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598 and UL 8750.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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LED Spider Mount Bollard

Ordering Information

LMB-SPD – Ordering Example: LMB-SPD-R-DB-1-NW-43

Type	Color	Voltage	Color Temperature	Height
R - Round	DB - Dark Bronze	1 - 120v-277v	OW - 3000K	43 - 43” Height (Standard)
S - Square	BK - Black		NW - 4000K	36 - 36” Height
	CC - Custom Color		CW - 5000K	30 - 30” Height

Options & Accessories

GFI - GFCI Outlet, 15A, 120V

MS - Internal Microwave Occupancy Sensor (120-277V Only)

MST - Remote Programming Tool for MS

LUMEBASE - Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns.

GFI - GFCI Outlet

MS - Internal Microwave Occupancy Sensor

MST - Remote Programming Tool

Lumebase

Anchor Bolt Assembly (included)

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Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

LMB-FC

LMB-FC-360 LMB-FC-180

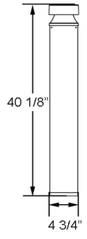
The Lumecon Full Cutoff Bollards with choice of optics are designed to replace HID lighting systems up to 70W MH or HPS. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Model	Watts	Equiv	Delivered Lumens	Efficacy
LMB-FC-360	19W	70W MH	702 Lm	37 LPW
LMB-FC-180	19W	70W MH	508 Lm	28 LPW

Height: 40 1/8”

Diameter: 4 3/4”

Weight: 13.5 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Extruded aluminum housing with flush mounting base, flat top. Bollards can be cut to custom lengths upon request.

Lens: Clear UV-stabilized polycarbonate vandal-resistant lens.

Mounting: 8” anchor bolts and mounting kit provided standard.

Effective Projected Area (EPA): 1.9 ft²

Color Temperature: 3000K, 4000K and 5000K.

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 sealed LED compartment.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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LED Full Cutoff Bollard

Ordering Information

LMB-FC – Ordering Example: LMB-FC-360-DB-1-NW-40-GFI

Optics	Color	Voltage	Color Temperature	Height
360 - 360º	DB - Dark Bronze	1 - 120v-277v	OW - 3000K*	40 - 40” Height (Standard)
180 - 180º	B - Black		NW - 4000K	30 - 30” Height
	CC - Custom Color		CW - 5000K	
			**360º Only*	

Options & Accessories

GFI - GFCI Outlet, 15A, 120V

MS - Internal Microwave Occupancy Sensor (120-277V Only)

MST - Remote Programming Tool for MS

LUMEBASE - Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns.

GFI - GFCI Outlet

MS - Internal Microwave Occupancy Sensor

MST - Remote Programming Tool

Lumebase

Anchor Bolt Assembly (included)

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LMB-RFT

LMB-RFT-GR

LMB-RFT-CR

LMB-RFT-L

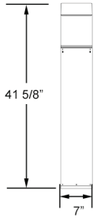
The LMB-RFT walkway bollard is designed to replace HID lighting systems up to 70W MH or HPS. Designs options available in clear glass refractor, cone reflector or internal louvers. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Model	Watts	Equiv	Delivered Lumens	Efficacy
LMB-RFT-T5-GR	17W	70W HID	1,132 Lm	67 LPW
LMB-RFT-T3-GR	17W	70W HID	1,081 Lm	64 LPW
LMB-RFT-T5-CR	17W	70W HID	1,510 Lm	89 LPW
LMB-RFT-T3-CR	17W	70W HID	1,081 Lm	64 LPW
LMB-RFT-T5-L	17W	70W HID	763 Lm	45 LPW

Height: 41 5/8”

Diameter: 7”

Weight: 13.5 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Extruded aluminum housing with a powder coat finish over a chromate conversion coating. Housing features a flush mounting base, vandal-resistant screws and a top.

Lens: Clear UV-stabilized polycarbonate vandal-resistant lens.

Mounting: 8” anchor bolts and mounting kit provided standard.

Effective Projected Area (EPA): 1.07 ft²

Color Temperature: 3000K, 4000K and 5000K

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598 and UL 8750.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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Ordering Information

LMB-RFT – Ordering Example: LMB-RFT-T5GR-DB-1-NW-42

Type	Color	Voltage	Color Temperature	Height
T5GR - Type 5 w/ Glass Refractor	DB - Dark Bronze	1 - 120v-277v	OW - 3000K	42 - 42” Height (Standard)
T3GR - Type 3 w/ Glass Refractor	BK - Black		NW - 4000K	36 - 36” Height
T5CR - Type 5 w/ Cone Reflector	CC - Custom Color		CW - 5000K	30 - 30” Height
T3CR - Type 3 w/ Cone Reflector				
T5L - Type 5 w/ Louvers				

Options & Accessories

GFI - GFCI Outlet, 15A, 120V

MS - Internal Microwave Occupancy Sensor (120-277V Only)

MST - Remote Programming Tool for MS

LUMEBASE - Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns.

GSB - 180º Glare Shield Black

GSZ - 180º Glare Shield Bronze

GSC - 180º Glare Shield Custom Color

BB - Battery Back-Up, 90 min

GFI - GFCI Outlet

MS - Internal Microwave Occupancy Sensor

MST - Remote Programming Tool

Lumebase

Anchor Bolt Assembly (included)

Cone Reflector with Glare Shield

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LMB-RDT

LMB-RDT-GR

LMB-RDT-CR

LMB-RDT-L

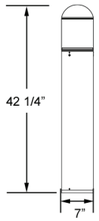
The LMB-RDT walkway bollard is designed to replace HID lighting systems up to 70W MH or HPS. Designs options available in clear glass refractor, cone reflector or internal louvers. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Model	Watts	Equiv	Delivered Lumens	Efficacy
LMB-RDT-T5-GR	17W	70W HID	1,132 Lm	67 LPW
LMB-RDT-T3-GR	17W	70W HID	1,081 Lm	64 LPW
LMB-RDT-T5-CR	17W	70W HID	1,510 Lm	89 LPW
LMB-RDT-T3-CR	17W	70W HID	1,081 Lm	64 LPW
LMB-RDT-T5-L	17W	70W HID	763 Lm	45 LPW

Height: 42 1/4”

Diameter: 7”

Weight: 13.5 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Extruded aluminum housing with a powder coat finish over a chromate conversion coating. Housing features a flush mounting base, vandal-resistant screws and a top.

Lens: Clear UV-stabilized polycarbonate vandal-resistant lens.

Mounting: 8” anchor bolts and mounting kit provided standard.

Effective Projected Area (EPA): 1.07 ft²

Color Temperature: 3000K, 4000K and 5000K.

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA Listed to UL 1598, UL 8750 and CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598 and UL 8750.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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LED Round Domed Top Bollard

Ordering Information

LMB-RDT – Ordering Example: LMB-RDT-T5GR-DB-1-NW-42

Type	Color	Voltage	Color Temperature	Height
T5GR - Type 5 w/ Glass Refractor	DB - Dark Bronze	1 - 120v-277v	OW - 3000K	42 - 42” Height (Standard)
T3GR - Type 3 w/ Glass Refractor	BK - Black		NW - 4000K	36 - 36” Height
T5CR - Type 5 w/ Cone Reflector	CC - Custom Color		CW - 5000K	30 - 30” Height
T3CR - Type 3 w/ Cone Reflector				
T5L - Type 5 w/ Louvers				

Options & Accessories

GFI - GFCI Outlet, 15A, 120V

MS - Internal Microwave Occupancy Sensor (120-277V Only)

MST - Remote Programming Tool for MS

LUMEBASE - Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns.

GSB - 180º Glare Shield Black

GSZ - 180º Glare Shield Bronze

GSC - 180º Glare Shield Custom Color

BB - Battery Back-Up, 90 min

GFI - GFCI Outlet

MS - Internal Microwave Occupancy Sensor

MST - Remote Programming Tool

Lumebase

Anchor Bolt Assembly (included)

Cone Reflector with Glare Shield

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LMB-RSS

LMB-RSS-CR

LMB-RSS-L

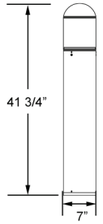
The LMB-RSS walkway bollard is designed to replace HID lighting systems up to 70W MH or HPS. Designs options available in cone reflector or internal louvers. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Model	Watts	Equiv	Delivered Lumens	Efficacy
LMB-RSS-T5-CR	17W	70W HID	1,510 Lm	89 LPW
LMB-RSS-T3-CR	17W	70W HID	1,081 Lm	64 LPW
LMB-RSS-T5-L	17W	70W HID	763 Lm	45 LPW

Height: 41 3/4”

Diameter: 7”

Weight: 13.5 lbs



Technical Specifications

Input Voltage: 120-277V

Housing: Formed 316L stainless steel housing with flush mounting base and vandal-resistant screws, domed top, internal ballast tray for easy maintenance.

Lens: Clear UV-stabilized polycarbonate vandal-resistant lens.

Mounting: 8” anchor bolts and mounting kit provided standard.

Effective Projected Area (EPA): 1.07 ft²

Color Temperature: 3000K, 4000K and 5000K.

LED Lifetime: All LED’s are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

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Ordering Information

LMB-RSS – Ordering Example: LMB-RSS-T5CR-SS-1-NW-42

Type	Color	Voltage	Color Temperature	Height
T5CR - Type 5 w/ Cone Reflector	SS - Stainless Steel	1 - 120v-277v	OW - 3000K	42 - 42” Height
T3CR - Type 3 w/ Cone Reflector			NW - 4000K	
T5L- Type 5 w/ Louvers			CW - 5000K	

Options & Accessories

GFI - GFCI Outlet, 15A, 120V

MS - Internal Microwave Occupancy Sensor (120-277V Only)

MST - Remote Programming Tool for MS

LUMEBASE - Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns.

GSB - 180º Glare Shield Black

GSZ - 180º Glare Shield Bronze

GSC - 180º Glare Shield Custom Color

BB - Battery Back-Up, 90 min

GFI - GFCI Outlet

MS - Internal Microwave Occupancy Sensor

MST - Remote Programming Tool

Lumebase

Anchor Bolt Assembly (included)

Cone Reflector with Glare Shield

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Poles & Accessories

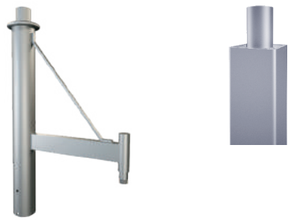
Lumecon's supplier is an industry leading and trusted source for aluminum and steel light poles and accessories. Specified and used in a variety of Street, Area, Roadway, Utility, Municipal, Pedestrian, and Smart City lighting applications, our products include Anchor Base Poles, Direct Buried Poles, Decorative Poles, Hinged Poles, Small Cell 5G Antenna Poles, Solar Poles, and Camera Poles, along with a variety of Light Pole Arms, Brackets, and Light Pole Accessories.

POLES

Heavy-wall, spun aluminum for the clean contemporary look, or the cast aluminum for the decorative period appearance. Poles can be drilled to accept side mount fixtures, or supplied with tenon for post top fixtures. Uniform channel system on all sides of the shaft gives a unique appearance while allowing for a wide range of uses with the various brackets offered.

- Steel Poles
- Aluminum Poles
- Decorative Bases & Poles
- SMART Pole Solutions
- Pole Accessories
- Pole Arms
- Breakaway Poles
- Pole Solutions

All pole products come complete with the state-of-the-art, multi-stage finishing process.



BRACKETS

We supply a wide array of cross mounted, post-top mounted, and up-sweep brackets to fit any of our poles and some existing poles. Our standard bracket selection is just the beginning; we can build custom brackets to meet any need. All brackets can be powder coated in any of our 16 standard colors – with custom color matches always available.

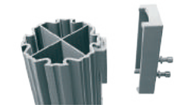
- Square Mounting Brackets
- Upsweep Brackets
- Pole Top Reducers
- Round Pole Top Adapter Brackets
- Side Mounted Cross Arm Brackets
- Tapered Elliptical Arm Brackets
- LED Cross Arm Brackets
- Pole Top Tenon Adapters
- Cross Arm Brackets for Steel Poles
- Multiple Mounting Cross Arm Brackets
- Top Mounted Cross Arm Brackets
- Pole Top Floodlight Mounting Brackets
- Pole Top Bullhorn Brackets
- Spoke Brackets

Lumecon

For detailed information, please see a Lumecon Sales Rep or go to https://lumecon.com/pole-solutions/

ACCESSORIES & OPTIONS

Our poles can accommodate almost any type of accessory, from cameras and speakers to sensors and flags, and we have a long list options to meet your specific needs – from the standard coupling or plate to banner arms and flag or flower pot holders.

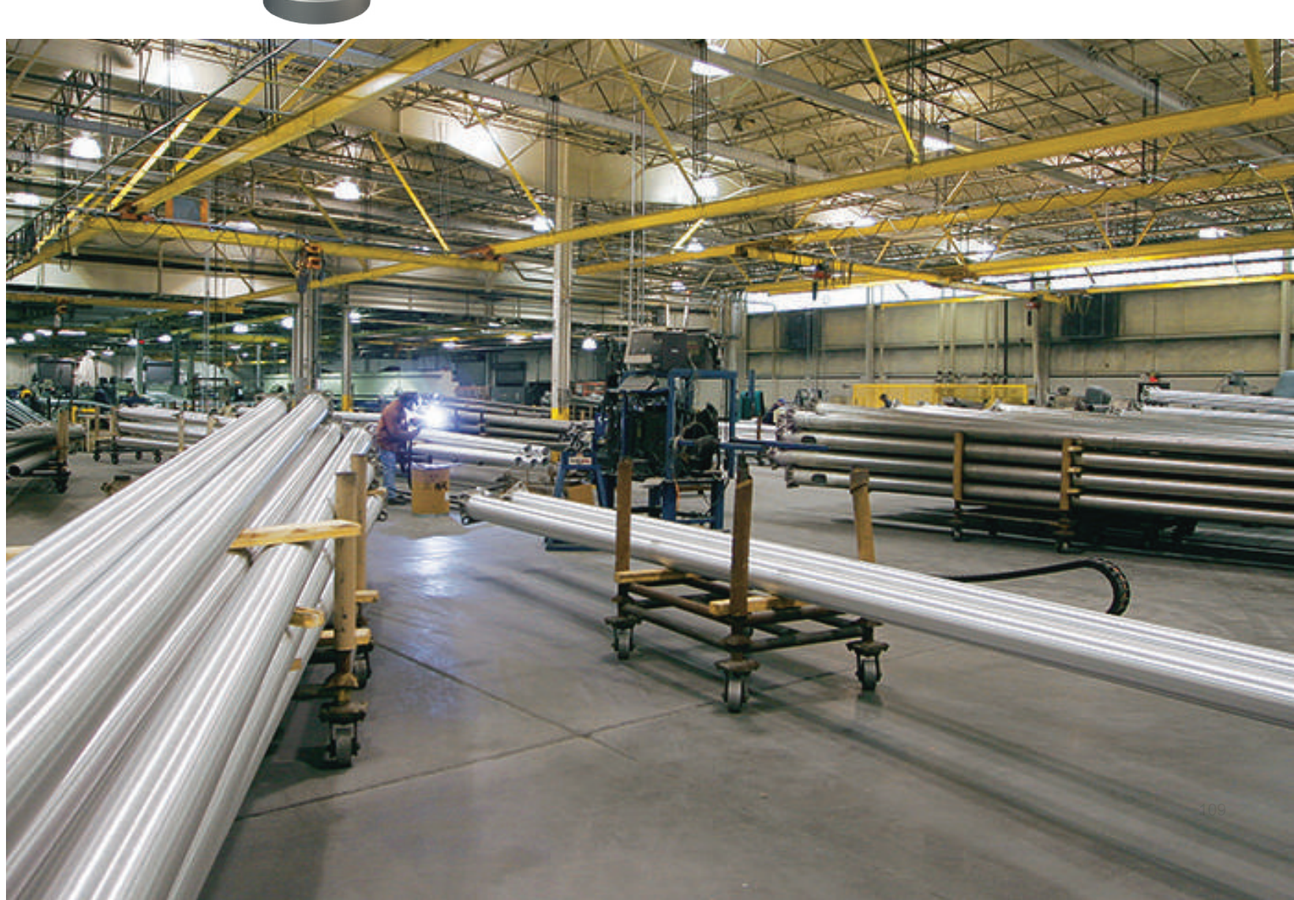


- Break Away Couplings
- Electric Lowering Winch
- Pole Top Tenon Adapters
- Two-Tier Adapter Plate
- Pole Caps
- Banner Arm
- ABS Base Covers
- Lowering Winch
- Flag Holder
- Transformer Bases
- Camera Mounting Options
- Welded Bracket
- Universal Fixture Mount
- Ground Fault Circuit Interrupter
- Mounting Bracket

DECORATIVE BASES

Our decorative product line makes it easy to meet any period or contemporary lighting specification. We offer decorative pole packages that include aluminum base castings. Other base castings are available as standalone options.

For detailed information, please see a Lumecon Sales Rep or go to https://lumecon.com/pole-solutions/



Retrofit Solutions

ENGINEERED TO LAST

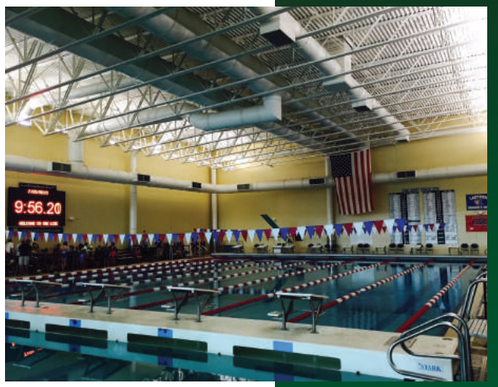
At Lumecon, we recognize a one size fits all solution doesn't apply for every lighting project. This is why we developed a dedicated retrofit team to design and build custom LED lighting solutions. Every retrofit job that enters our facility receives the same attention to detail to warrant our industry leading 10-Year L70 All Parts Warranty. With a portfolio full of successful retrofit solutions, we continuously aim to provide a high level of expertise to create engineered lighting solutions that last.

The Lumecon process includes completely drawing in CAD the entire fixture, developing a custom kit reusing existing boss heads for attachment and heat sinking. A prototype is then created and bench-tested for proper thermal dissipation, light dispersion and overall aesthetics. The sample is then shipped to the customer for field evaluation, once approved Lumecon has all the data on-file to create and ship the custom order.

We pride ourselves on sourcing from the brightest suppliers, which allows us to innovate LED technology, grow our people and provide world class service which exceeds the expectations of our customers.

We Will Retrofit Anything

- Area Lights
- Canisters
- Case Signs
- Pendants
- Post-Tops
- Sconces
- Tear Drops
- Wall Packs



Lumecon

40kV EXTREME SURGE PROTECTION

MADE IN MICHIGAN

10 YEAR WARRANTY

Economic Lighting Solutions for Everyday Applications

Give Your Lighting a Second Life

Retrofit Kits are intended to upgrade current fixtures to Lumecon's LED technology. Installation is designed to be simple and efficient using existing hardware, requiring zero on-site drilling or fabrication.

RETROFIT ADVANTAGES

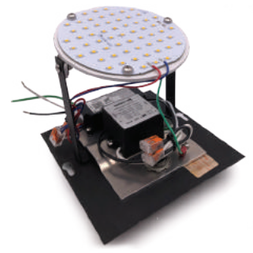
- Energy Efficiency and Savings
- Reduced Operating and Maintenance Costs
- Saves Original Lighting Fixture Investment
- Rebates and Incentives
- Improved Security
- Less Light Pollution

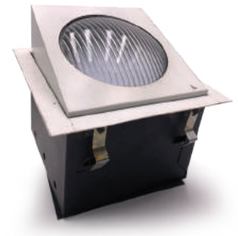
Project Scope: Recessed Canister

Retrofit kit replaces a 150 watt Metal Halide Lamp with a 12W, 2700 Kelvin temperature warm white LED Solution with 80 CRI.

The Lumecon LED Custom made retro-fit kit contains a standard 40kV MOV Surge Suppressor, a 120V line-dimming 12W power supply complaint with UL 1012 and 1310. The LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40˚F to 120˚F.

This retrofit project of 50 existing recessed sloped canister lights saved the church over $57.00 per light, per year and an overall maintenance savings of $5000 over the next 5 years. Total 5 year savings of maintenance and energy of $19,250.00!





WHAT TO EXPECT

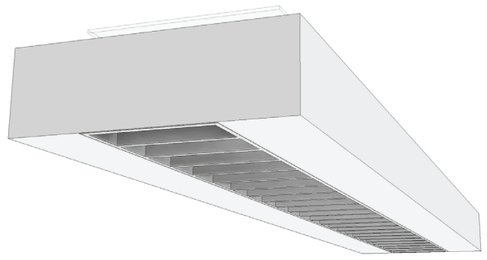
- Easy to follow step-by-step instructions and form
- A thorough design team evaluation
- An assigned design engineer with dedicated 1-on-1 attention
- A target lead time for your prototype completion
- Responsive and proactive project communication

Retrofit Kit Samples

Retrofit kits are designed to upgrade an existing fixture to the latest LED technology.

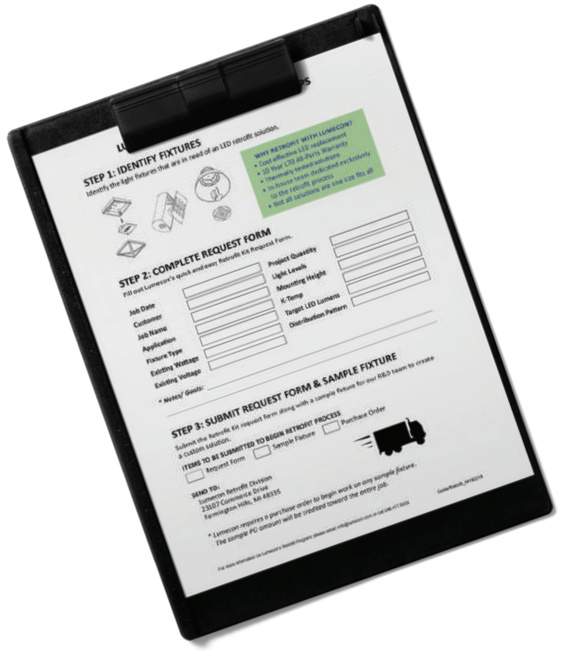
Installation is designed to be simple and efficient using existing hardware. *No drilling required.*

D2165-01 – St. Piaz Pendant Kit: 120-277V, 55W pendant replacement kit, equipped with a custom diffused lens and line dimming capability.



D2177-01 – San Bernardino Linear Indoor Kit: 120-277V, 47W custom indoor linear florescent replacement kit, equipped with custom diffused lens inserts and DALI dimming.

D2159-01 – 120-277V, 300W Natatorium, Pool Lighting kit, providing protection from harsh, chlorinated pool environments.

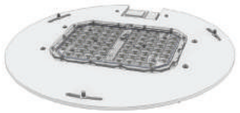


For detailed information and a Retrofit Kit form, please see a Lumecon Sales Rep or go to Lumecon.com/products/retrofit

L-RETRO-T

LED Teardrop Retrofit Kit

The L-RETRO-T LED teardrop kit offers service professionals an economic, easy to install solution to safely upgrade HID luminaires to LED. Available in three output versions, the L-RETRO-T Retrofit Kit proves to be the perfect LED conversion solution for your next teardrop project.



Ordering Information

L - RETRO - T Options / Ordering Example: L-RETRO-T-45-T2-40-1

Wattage	Distribution	Color Temperature	Voltage
45 - 45 Watts	T2 - Type II	22 - 2200K*	1 - 120v-277v
65 - 65 Watts	T3 - Type III	27 - 2700K	2 - 347v-480v
90 - 90 Watts	T4 - Type IV	30 - 3000K	
	T5 - Type V	40 - 4000K	
		50 - 5000K	
		** not DLC qualified*	

Technical Specifications

Input Voltage: 120-277V or 347-480V

Kit Contents: The kit consists of a custom-designed aluminum panel with integrated LED circuit board, LED driver, 20kA surge suppressor, and all wiring and hardware required for installation. Installation of the kit to the existing fixture is accomplished via provided mounting screws.

Power Supply: A single wide range (120V to 277V), regulated DC power supply is included. The power supply is compliant with UL 1012 and 1310.

The power supply performance meets the following electrical characteristics: THD: Less than 20%. PF: Greater than 0.90 @ 277V.

Color Temperature: 2200K, 2700K, 3000K, 4000K and 5000K.

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 120°F/50°C.

Light Engine: Each light engine consists of a total of 72 LEDs with acrylic optics. The LED board is mounted to a 0.125" thick aluminum disk that is customer fit to the existing fixture.

Color Rendering Index (CRI): Minimum of 80 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1598C, CSA 22.2 No. 250.1 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598C.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Performance Data			2200K		2700K		3000K		4000K		5000K	
	Distribution Type	Watts	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
L-RETRO-T-45	Type 2	45W	4,452	101	4,925	111	5,295	120	5,413	122	5,641	128
	Type 3	45W	4,602	104	5,901	115	5,449	123	5,596	127	5,831	132
	Type 4	45W	4,106	93	5,239	118	5,499	124	5,759	130	6,001	136
	Type 5	45W	4,779	108	5,287	120	5,337	121	5,812	131	6,519	137
L-RETRO-T-65	Type 2	65W	5,892	94	6,519	104	6,780	108	7,166	114	7,467	119
	Type 3	65W	6,091	97	6,739	108	7,213	115	7,408	118	7,944	127
	Type 4	65W	6,278	100	6,935	111	7,279	116	7,624	123	8,017	128
	Type 5	65W	6,326	101	6,780	112	7,279	116	7,693	123	8,017	128
L-RETRO-T-90	Type 2	90W	9,923	109	10,979	121	11,418	126	11,986	133	12,575	139
	Type 3	90W	10,259	113	11,350	125	12,147	134	12,400	138	13,378	148
	Type 4	90W	10,550	117	11,680	129	12,259	135	12,912	142	13,501	149
	Type 5	90W	10,605	118	11,813	130	12,224	135	12,877	143	13,500	149

Lumecon RETROFIT KIT

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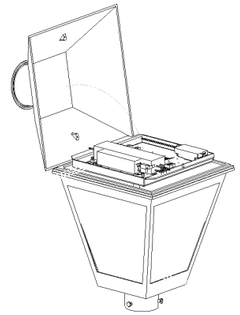
Please see www.lumecon.com for current specifications and documentation.

L-RETRO-C

LED Carriage Retrofit Kit



The L-RETRO-C LED carriage kit offers service professionals an economic, easy to install solution to safely upgrade HID luminaires to LED. Available in three output versions, the L-RETRO-C Retrofit Kit proves to be the perfect LED conversion solution for your next carriage project.

Ordering Information

L - RETRO - C – Options / Ordering Example: L-RETRO-C-25-T2-40-1

Wattage	Distribution	Color Temperature	Voltage
20 - 20 Watts	T2 - Type II	22 - 2200K	1 - 120v-277v
30 - 30 Watts	T3 - Type III	27 - 2700K	2 - 347v-480v
45 - 45 Watts	T4 - Type IV	30 - 3000K	
60 - 60 Watts	T5 - Type V	40 - 4000K	
		50 - 5000K	

Technical Specifications

Input Voltage: 120-277V or 347-480V

Kit Contents: The kit consists of an aluminum panel with integrated LED circuit board, LED driver, 20kA surge suppressor, and all wiring and hardware required for installation. Installation of the kit to the existing fixture is accomplished via provided mounting screws.

Power Supply: A single wide range (120V to 277V) 96 Watt, regulated DC power supply is included. The power supply is compliant with UL 1012 and 1310. The drive current provided to the LEDs is 70 or 105mA.
The power supply performance meets the following electrical characteristics: THD: Less than 20%. PF: Greater than 0.90 @ 120V. Max Power: 96 Watts or less.

Color Temperature: 2200K, 2700K, 3000K, 4000K and 5000K.

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 120°F/50°C.

Light Engine: Each light engine consists of a total of 72 Nichia LEDs. The LED board is mounted to a 0.125" thick aluminum disk that is customer fit to the existing fixture.

Color Rendering Index (CRI): Minimum of 70 or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: ETL Listed to UL 1598C, CSA 22.2 No. 250.1 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598C.

DesignLights Consortium® (DLC) Qualified Product: Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: www.designlights.org.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

Performance Data			2200K		2700K		3000K		4000K		5000K	
	Distribution Type	Watts	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy	Lumens	Efficacy
L-RETRO-C-20	Type 2	20W	1,662	75	2,072	93	2,059	92	2,249	101	2,231	100
	Type 3	20W	1,629	73	2,031	91	2,018	91	2,204	99	2,188	98
	Type 4	20W	1,674	75	2,040	91	2,027	91	2,214	99	2,197	99
	Type 5	20W	1,794	80	2,237	100	2,223	100	2,428	109	2,408	108
L-RETRO-C-30	Type 2	30W	2,233	74	2,784	93	2,767	92	3,022	101	2,999	100
	Type 3	30W	2,189	73	2,730	91	2,713	90	2,963	99	2,940	98
	Type 4	30W	2,199	73	2,741	91	2,724	91	2,975	99	2,952	98
	Type 5	30W	2,412	80	3,007	100	2,989	100	3,263	109	3,238	108
L-RETRO-C-45	Type 2	45W	3,328	70	4,149	87	4,123	87	4,504	95	4,469	94
	Type 3	45W	3,262	69	4,068	86	4,042	85	4,415	93	4,381	92
	Type 4	45W	3,276	69	4,085	86	4,059	85	4,434	93	4,400	92
	Type 5	45W	3,594	76	4,480	94	4,452	94	4,863	102	4,823	101
L-RETRO-C-60	Type 2	60W	4,209	71	5,248	89	5,215	88	5,731	97	5,653	96
	Type 3	60W	4,127	70	5,145	87	5,113	87	5,619	95	5,541	94
	Type 4	60W	4,123	70	5,167	88	5,134	87	5,613	95	5,565	94
	Type 5	60W	4,545	77	5,666	96	5,653	96	6,200	104	6,104	103

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Please see www.lumecon.com for current specifications and documentation.

L-RETRO-DG

The L-RETRO-DG LED Decorative Globe kit offers service professionals an economic, easy to install solution to safely upgrade HID luminaires to LED. Available in three output versions, the L-RETRO-DG Retrofit Kit proves to be the perfect LED conversion solution for your next Decorative Globe project.

Model	Watts	Equiv	Delivered Lumens	Efficacy
L-RETRO-DG-35	35W	175W HID	4,294 Lm	122 LPW
L-RETRO-DG-45	45W	250W HID	5,403 Lm	120 LPW
L-RETRO-DG-55	55W	250W HID	6,613 Lm	121 LPW

Technical Specifications

Input Voltage: 120-277V or 347-480V

Kit Contents: The kit consists of an aluminum fitter mounting disk custom designed for the submitted fitter, a kit with integrated LED circuit board, LED driver, 20kA surge suppressor, and all wiring and hardware required for installation. Installation utilizes the 3 provided stainless steel bolts that mount the kit to existing mounting holes and bosses within the fixture. No drilling or modification to the existing housing is required. The kit height can be field adjusted vertically to accommodate various existing globe heights as needed.

Light Engine: Each LED light engine consists of a circuit board of 80 Nichia 757G LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Color Temperature: 2200K, 2700K, 3000K, 4000 and 5000K

LED Lifetime: All LED's are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 95°F/35°C.

Color Rendering Index (CRI): Minimum of 80+ or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

Certification Data: CSA 22.2 No. 250 for Wet Locations. *Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598C and UL 8750.

Manufacturing Origin: US Manufactured and Assembled.

BABA Compliant: Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.lumecon.com

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Please see www.lumecon.com for current specifications and documentation.

Ordering Information

L-RETRO-DG – Options / Ordering Example: L-RETRO-DG-35-1-NW

Wattage	Voltage	Color Temperature
35 -35 Watts	1 - 120v-277v	22 - 2200K
45 - 45 Watts	2 - 347v-480v	WW - 2700K
55 - 55 Watts		OW - 3000K
		NW - 4000K
		CW - 5000K

Accessories
7P - Seven-pin Twist Lock Photocell Receptacle Only
UBI - Ubicquia Wireless Controls [1]

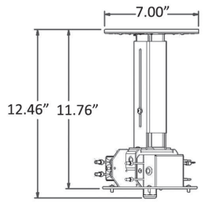
Notes:
1. UBI requires the 7P option be selected

Options - Ordered on separate line item

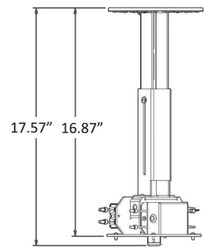
32-00110 - House Shield - Type IV

Dimensions

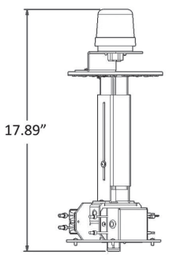
Minimum Height w/o Sensor



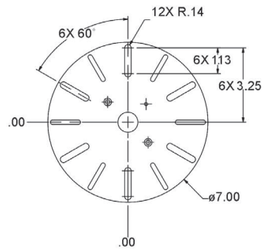
Maximum Height w/o Sensor



Maximum Height w/ Sensor
Maximum Width Across All Builds 7″



MOUNT DISK
other sizes available upon request



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