



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

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.



PERFORMANCE DATA

Model	Distribution Type	Watts	2200K		2700K		3000K		4000K		5000K	
			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

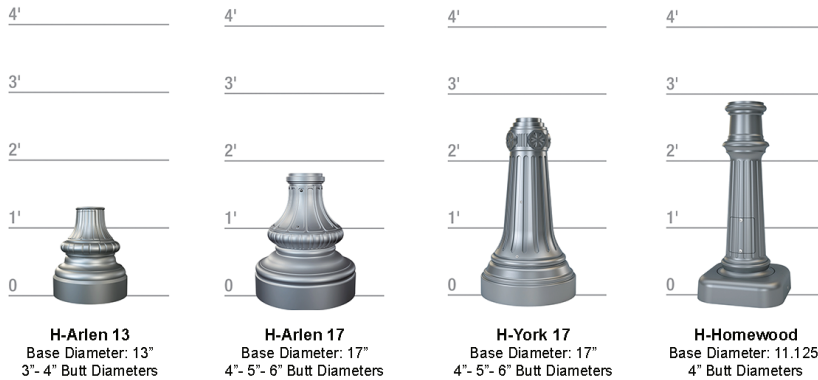
REQUIRED							OPTIONAL	
MODEL	WATTAGE	VOLTAGE	CCT	DISTRIBUTION	LENS	FINISH	PHOTOCELL	HOUSE SIDE SHIELD
LM-TRM	45 - 45 Watts	1 - 120v - 277v	22 - 2200K	T2 - Type II	NL - No Lens	BK - Black Gloss	PC - Button Eye	BL - Back Light Louvers
	65 - 65 Watts	2 - 347v - 480v	27 - 2700K	T3 - Type III	CA - Clear 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		

OPTIONAL BASE AND POLE ORDERING INFORMATION

POLE OPTIONS	DECORATIVE BASE OPTIONS
X - None	X - None
H-RSA - Round Straight Aluminum	Arlen-13
H-RTA - Round Tapered Aluminum	Arlen-17
H-RFA - Round Fluted Aluminum	York-17
	Homewood
For additional Options click here: Pole Options	For additional Options click here: Decorative Base Options

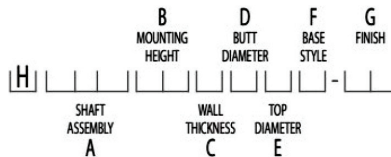
Decorative Bases Ordering Information

Over 58 Base options available. The most popular listed below. [To view all options, download Base guide here.](#)



Pole Ordering Information

Pole Ordering Example: H-RTA30D8B4-01
Rounded Tapered Aluminum, 30' Mounting Height, .188" Wall Thickness, 8" Butt Diameter, 4.5" Top Diameter, 4-Bolt Base, Satin Aluminum Finish



A General Assembly

H-RSA - Round Straight Aluminum
H-RTA - Round Tapered Aluminum
H-RFA - Round Fluted Aluminum

B Mounting Heights

08 - 8" 14 - 14" 20 - 20"
10 - 10" 16 - 16" 25 - 25"
12 - 12" 18 - 18" 30 - 30"

C Wall Thickness

B - 0.125" F - 0.250"
C - 0.156" G - 0.312"
D - 0.188" H - 0.375"
E - 0.219"

D Butt Diameter

1 - 10" 5 - 5" 7 - 7"
2 - 12" 6 - 6" 8 - 8"
4 - 4" J - 6.625 9 - 9"

E Top Diameter

A - 3"
B - 4.5"
C - 6"

F Base Style

3 - 3-Bolt Anchor Base
4 - 4-Bolt Anchor Base
V - Bee Hive Base
H - Hinged Anchor Base
E - Direct Buried (Embed)
F - Breakaway Transformer Base

G Finish

01 - Satin Aluminum (RTA and RSA)
02 - Satin Aluminum (SSA)
BA - Black Powder Coat
BH - White Powder Coat
BM - Dark Bronze Powder Coat
BV - Dark Green Powder Coat
GC - Gray Powder Coat
.. - Specify Finish

For additional Options, download [Pole Guide Here](#)