



Shown with Slipfitter "SF"
Mounting option

Catalog Number:

Project:

Comments:

Prepared By:

Date:

Technical Specifications

Housing: Die-Cast Gasketed Aluminum Housing, Includes Cast-In Box Template and Built in Level. White Reflector Nickel-Plated Stainless Steel Hardware.

Lens: Tempered clear flat glass lens.

Mounting: Mount Directly Over Recessed Electrical Box, Use 1/2" Surface Conduit, Heavy-Duty Adjustable Knuckle, Slipfitter, or Two-Piece Swivel Bracket (Field Installed).

Finish: Textured powdercoat finish over a chromate conversion coating. Custom colors available upon request.

LED: EasyLED Aluminum Boards

Wattage: 37W, 60W, 80W

Color Temperature: 3000K, 4100K and 5000K

Driver: Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Controls: Fixtures ordered with factory-installed photocell or motion sensor controls are internally wired for switching and/or 1-10V dimming within the housing. Remote direct wire interface of 1-10V dimming is not implied and may not be available, please Consult factory. Fixtures are tested with factory controls and may not function properly with controls supplied by others. Fixtures are NOT designed for Use with line voltage dimmers.

ETL: Listed for Wet Locations, ANSI/UL 1598, 8750; IP65 Sealed LED Compartment.

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.

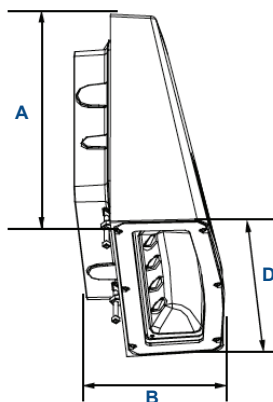
Warranty: 5-Year Warranty for -40°C to +50°C Environment. For full warranty terms, please visit our website: www.lumecon.com

Description

The LWS-WFL luminaire is available in three wattages designed for typical applications including general area, parking, flood, security, and accent lighting for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting can be accomplished using ground attachment accessories and up to heights of 20 feet based on light level and uniformity requirements.

Dimensions

Width (D)	9 3/4" (248mm)
Height (A)	11 1/4" (286mm)
Length (B)	6 1/8" (156mm)
Length (B) With Mount	Bracket (BR): 9 1/2" (241mm) Knuckle (KN): 9 7/8" (251mm) Slipfitter (SF): 11 1/8" (283mm)



Ordering Information

LWS - WFL Options / Ordering Example: LWS-WFL-37W-U-3000K-Z-KN-SF

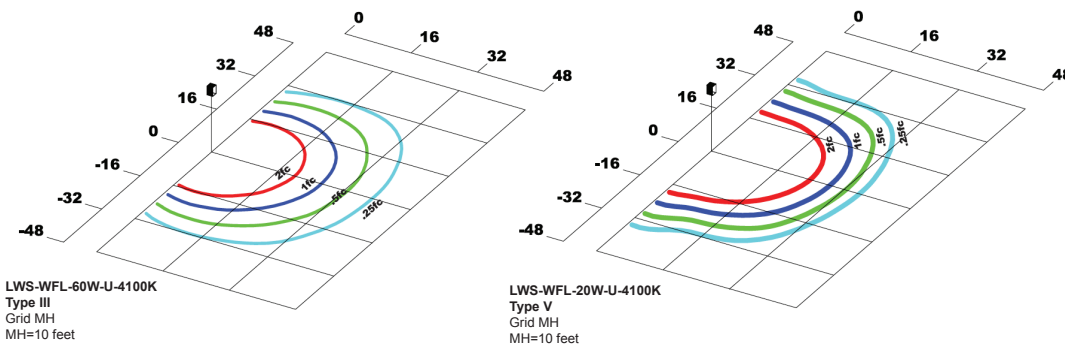
Model	Color	Mounting	Options
LWS-WFL-37W-U-3000K	Z - Bronze	KN - 1/2" NPS Knuckle	SF - Single Fuse*
LWS-WFL-60W-U-4100K	C - Custom	SF - Slipfitter	DF - Double Fuse*
LWS-WFL-60W-U-5000K		BR - Two-Piece Swivel Bracket	SP - Surge Protection
LWS-WFL-80W-U-4100K		<i>All mounts are field installed</i>	P14 - Pencil Photocell, 120-277VAC
			<i>*120-277V models only</i>

Accessories & Replacement Parts

Mounting Accessories (Order Separately, Field Installed)	Accessories (Order Separately, Field Installed)	Replacement Parts (Order Separately, Field Installed)
FLPTFZ - Die-cast Post Top Fitter for 2 3/8" to 3 1/2" Poles, Bronze Powdercoat Finish, Three (3) 1/2" Coin Plugs. FLSTK - Heavy Duty Ground Stake, Built-in Wiring Compartment with 1/2" NPS Threaded Fitting, Black Plastic.  FLPTFZ FLSTK	P18112 - 208-277V, 240VAC Pencil Photocell  P18112	FLSTZ - Die-Cast Adjustable Knuckle with 1/2" NPS Threads, Bronze. Powdercoat Finish. FL73SFXZ - External Mount Die-Cast Adjustable Slipfitter for 2 3/8" Tenons, Bronze Powdercoat Finish, Includes Hardware. FL73BRZ - Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware. P18114 - 120-277V, 50/60Hz Pencil Photocell  FLSTZ* FL73SFXZ* FL73BRZ* P18114

*Shown Mounted

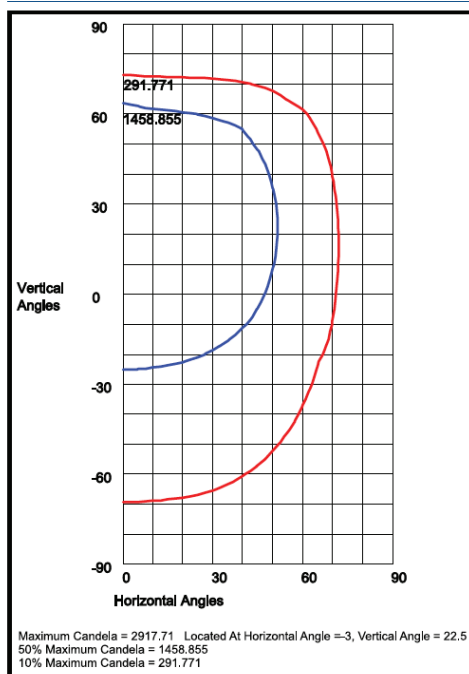
Photometric Data



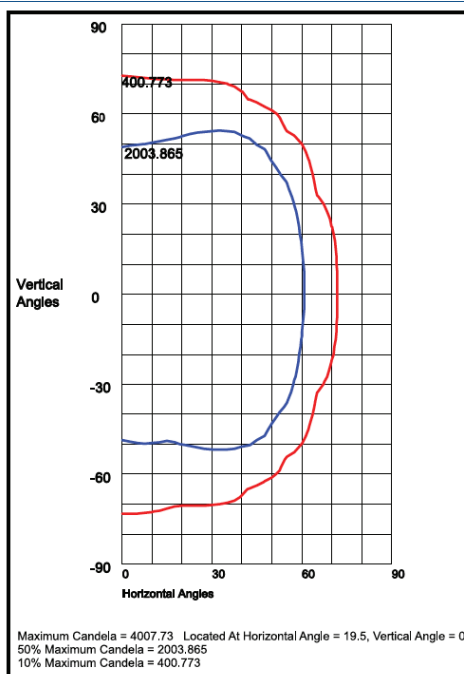
Photometric Performance

LED Board Watts	Input Watts	Optics	4100 CCT CRI 80				3000 CCT CRI 80			
			Lumens	B	U	G	Lumens	B	U	G
37W	42	Type III	-	-	-	-	3,827	1	0	0
60W	56	Type III	6,508	2	1	1	-	-	-	-
80W	80	Type III	8,212	3	1	1	-	-	-	-

Photometric Data



LWS-WFL-60W-U-4100K
 105°H x 90° V Beam, NEMA 7H x 7V



LWS-WFL-20W-U-4100K
 100°H x 80° V Beam, NEMA 7H x 7V

Photometric Performance

LED Board Watts	Input Watts	Beam	4100 CCT CRI 80	3000 CCT CRI 80
			Lumens	Lumens
37W	42	107°H x 85°V, NEMA 7H x 6V	-	3,807
60W	56	100°H x 80°V, NEMA 7H x 7V	8,221	-
80W	80	105°H x 90°V, NEMA 7H x 7V	6,509	-

Projected Lumen Maintenance

Data shown for 4100 CCT		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 80W	1.00	0.90	0.81	0.61	77,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.87	0.73	0.46	56,000
L70 Lumen Maintenance @ 40°C / 104°F		1.00	0.88	0.77	0.53	43,000

NOTES:

- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.