



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: 17W, 20W, 40W

Color Temperature: 3000K and 4000K

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.

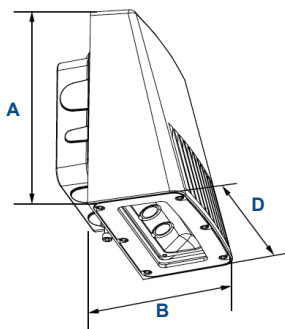
Warranty: 5-Year Warranty for -40°C to +50°C Environment. For full warranty terms, please visit our website: www.lumecon.com

Description

The LWS-WFS 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 heights of 8 to 15 feet can be used based on light level and uniformity requirements.

Dimensions

Width (D)	6" (152mm)
Height (A)	7 1/8" (200mm)
Length (B)	5 1/8" (130mm)
Length (B) With Knuckle	9 1/4" (235mm)



Ordering Information

LWS - WFS Options / Ordering Example: LWS-WFS-17W-U-3000K-Z-KN-SF

Model	Color	Mounting	Options
LWS-WFS-17W-U-3000K	Z - Bronze	KN - Knuckle*	SF - Single Fuse
LWS-WFS-20W-U-4000K	C - Custom		DF - Double Fuse
LWS-WFS-40W-U-4000K		<i>*Optional, field installed. Order only for flood model</i>	SP - Surge Protection
			P14 - Pencil Photocell, 120-277VAC
			BU4 - Battery Backup, 90 Minutes*
			BUC4 - Cold Start Battery Backup, -20°C, 90 Minutes*
			<i>*Wall Mount Only. (Not available for "KN")</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 2½" to 3½" Poles, Bronze Powdercoat Finish, Three (3) ½" Coin Plugs. FLSTK - Heavy Duty Ground Stake, Built-in Wiring Compartment with ½" NPS Threaded Fitting, Black Plastic.	P18112 - 208-277V, 240VAC Pencil Photocell ACCHSG4* - Empty Die Cast Accessory Housing, Powdercoat Finish <i>*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)</i>	FLSTZ - Die-Cast Adjustable Knuckle with ½" NPS Threads, Bronze. Powdercoat Finish. P18114 - 120-277V, 50/60Hz Pencil Photocell
  FLPTFZ FLSTK	  P18112 ACCHSG4	  FLSTZ* P18114 <i>*Shown Mounted</i>

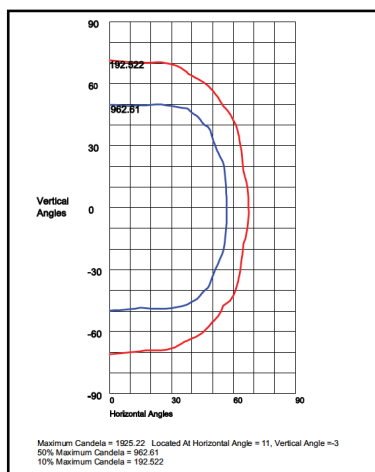
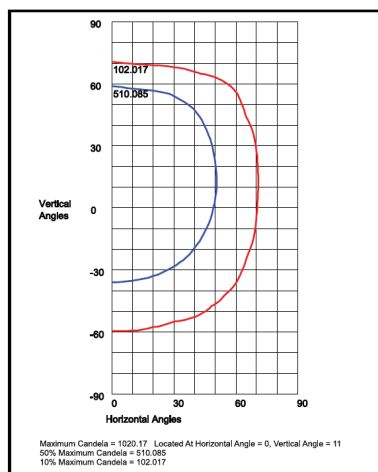
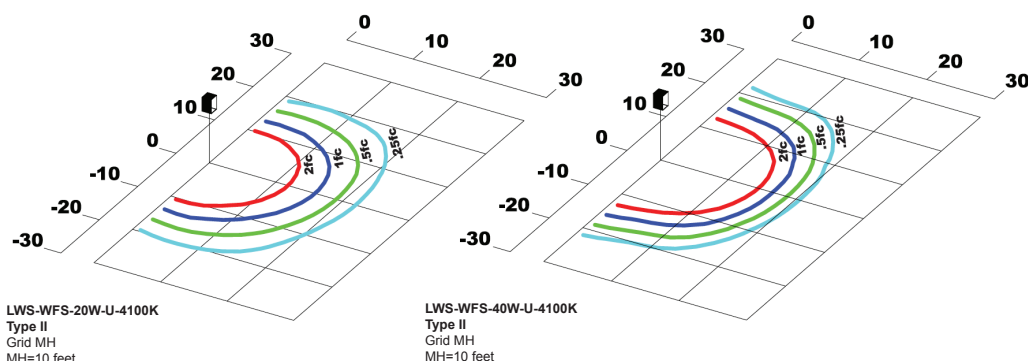
EPA

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
	.31	5 Lbs

Photometric Performance

LED Board Watts	Input Watts	Optics	4100 CCT CRI 80				3000 CCT CRI 80			
			Lumens	B	U	G	Lumens	B	U	G
17W	22	Type II	-	-	-	-	2,178	1	0	0
21W	21	Type II	2,300	1	1	0	-	-	-	-
43W	43	Type II	4,025	2	1	1	-	-	-	-

Photometric Data



Photometric Performance

LED Board Watts	Input Watts	Beam	4100 CCT CRI 80	3000 CCT CRI 80
			Lumens	Lumens
21W	22	108°H x 98°V, NEMA 7H x 6V	-	2,183
21W	21	110°H x 100°V, NEMA 7H x 6V	2,304	-
43W	43	100°H x 90°V, NEMA 7H x 6V	4,034	-

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 43W	1.00	0.90	0.80	0.61	76,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.86	0.72	0.44	54,000
L70 Lumen Maintenance @ 40°C / 104°F		1.00	0.88	0.76	0.52	42,000

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.