

Project name:	
Fixture type:	

Date:

Large LED Floodlight

Large LED floodlights are ideal for illuminating building facades, wall washing building exteriors, sign lighting, landscape lighting, and improving building security. Heavy-duty die-cast aluminum construction and high quality components ensure ELCO floodlights will provdie years of solid performance in almost any weather condition.



Features

- Die-cast Aluminum Housing.
- Durable dark bronze coat finish.
- Trunnion mount, can mount buildings, walls, and flat
- Standard input wattage: (200W MH Equivalent)
- Optional Accessories:
- Slipfitter Adapter (EFLLSF) enables floodlight to be secured on 2 3/8" O.D. tenons.
- Wireguard (EFLLWG) for added protection.
- Photocells, button type (EWPPHBU, EWPPHB1) and swivel type (EWPPHSU).
- Motion Detectors (EWMSU, EWMSDU).

Wattage	70W
Lumens	6750 lm - 8900 lm
Voltage	120/277V
Color Temp.	4000K - 5000K
Dimmable	0-10V
Lamp Type	LED
CRI	70+
Power Factor	> 0.9
Wet Location	Listed

Specifications

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Technical Details

Lamp: COB LED, CRI 70+

Optics: Glass lens

Construction: Die-cast aluminum housing. Dark bronze powder coated finish. Impact, corrosion, and UV

Electrical: Constant current 120/277V AC Class 2 Driver with a power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to 113°F (45°C). Standard input wattage: 70W (320W HID equivalent) or 90W (400W HID equivalent).

Dimming (optional): 0-10V. See Dimmer Compatability List for full list of compatable dimmers.

Listings: cUL listed for wet locations. LM-80 certified. IP65 rated.

Warranty: ELCO Lighting warrants products will be free from defects in materials and workmanship for a period of 5 years.

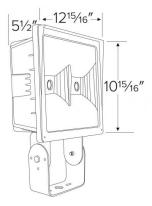
Options





With optional Slipfitter Adapter

Dimensions

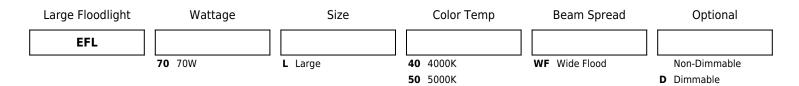


Product Numbers

Item	type type	Lumens	ССТ	Watts	Voltage	Dimming	Finish	
EFL70L40WF	LED	6750 lm	4000K	70W	120/277V		Dark Bronze	_
EFL70L50WF	LED	7500 lm	5000K	70W	120/277V		Dark Bronze	

Item	Lamp type	Lumens	ССТ	Watts	Voltage	Dimming	Finish
EFL70L40WFD	LED	8800 lm	4000K	70W	120/277V	0-10V	Dark Bronze
EFL70L50WFD	LED	8900 lm	5000K	70W	120/277V	0-10V	Dark Bronze

Product Number Builder Example: EFL70L40WF

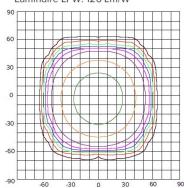


Large LED Floodlight

Multiplier: 5000K (x 1.04)

PHOTOMETRIC REPORT

Product #: EFL70L40WF Wattage/Lumens: 70.3W/ 8874 Lm Luminaire LPW: 126 Lm/W



FOOTCANDLE LEGEND:



60% = 2114.15

75% = 2642.69 90% = 3171.23

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter		
4'	220	11.3'		
6'	97.7	17.0'		
8'	54.9	22.6'		
10'	35.2	28.3'		

ZONAL LUMEN SUMMARY

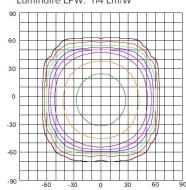
Zone	Lumens	% Luminaire
0-30°	2788.79	31.40
0-40°	4604.47	51.90
0-60°	8133.4	91.70
0-90°	8865.61	99.90

Large LED Floodlight

Multiplier: 5000K (x 1.04)

PHOTOMETRIC REPORT

Product #: EFL90L40WF Wattage/Lumens: 93.6W/10703 Lm Luminaire LPW: 114 Lm/W



FOOTCANDLE LEGEND:

10% = 427.58

20% = 855.16

30% = 1282.75

40% = 1710.33

50% = 2137.91

60% = 2565.49

75% = 3206.87

90% = 3848.24

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter		
4'	267	11.1'		
6'	119	16.6'		
8'	66.7	22.1'		
10'	42.7	27.7'		

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	3383.31	31.60
0-40°	5601.15	52.30
0-60°	9825.1	91.80
0-90°	10693.09	99.90



Dimmer Compatibility Chart Large LED Floodlight

EFL70L40WFD/70L50WFD EFL90L40WFD/90L50WFD

For Reference Only

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

Manufacturer 0 – 10V Type Dir		Part Number	Dimmed Light Output Range
	Diva® (Gloss) Single Pole. Must be used with power pack model PP-DV (120-277V) or PP-347H (347V)	DVTV	10% - 100%
Lutron	Nova® Single Pole. Must be used with power pack model PP-DV (120-277V), or PP-347H (347V)	NFTV	10% - 100%
Leviton	IllumaTech Single Pole/3-Way Preset 0-10VDC Slide Dimmer	IP710-DL	10% - 100%

^{*}NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.