

# 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 provide 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 surfaces.
- Standard input wattage: (200W MH Equivalent)
- Optional Accessories:
  - Slipfitter Adapter (EFLLSF) enables floodlight to be secured on 2 3/8" O.D. tenons.
  - Wireguard (EFLWLG) for added protection.
  - Photocells, button type (EWPPHBU, EWPPHB1) and swivel type (EWPPHSU).
  - Motion Detectors (EWMSU, EWMSDU).

## Specifications

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

## Options



With optional Slipfitter Adapter

## Technical Details

**Lamp:** COB LED, CRI 70+

**Optics:** Glass lens

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

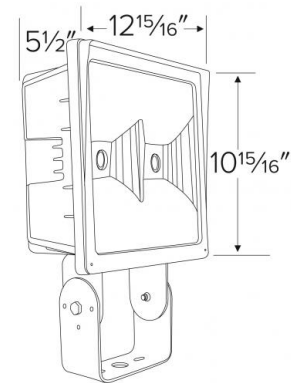
**Electrical:** Constant current 120/277V AC Class 2 Driver with a power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to 113°F (45°C). Standard input wattage: 70W (320W HID equivalent) or 90W (400W HID equivalent).

**Dimming (optional):** 0-10V. See Dimmer Compatibility List for full list of compatible 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.

## Dimensions



## Product Numbers

Item	Lamp type	Lumens	CCT	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	CCT	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

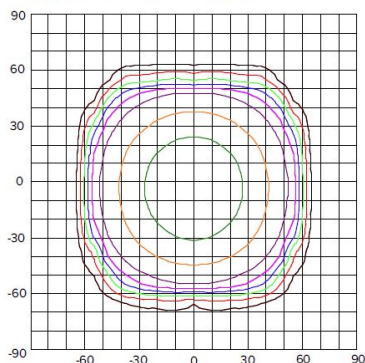
Large Floodlight	Wattage	Size	Color Temp	Beam Spread	Optional
<b>EFL</b>	<b>70</b> 70W	<b>L</b> Large	<b>40</b> 4000K <b>50</b> 5000K	<b>WF</b> Wide Flood	<b>Non-Dimmable</b> <b>D</b> Dimmable

### 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:

- 10% = 352.36
- 20% = 704.72
- 30% = 1057.08
- 40% = 1409.44
- 50% = 1761.8
- 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

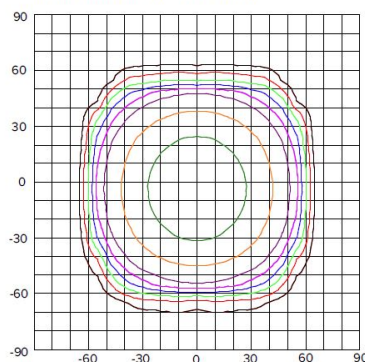
Zone	Lumens	% Luminaire
0-30°	2788.79	31.40
0-40°	4604.47	51.90
0-60°	8133.4	91.70
0-90°	8865.61	99.90

### 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



**ELCO Lighting**

# 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	Product	Part Number	Dimmed Light Output Range
<b>0 – 10V Type Dimmers</b>			
Lutron	Diva® (Gloss) Single Pole. Must be used with power pack model PP-DV (120-277V) or PP-347H (347V)	DVTV	10% - 100%
	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.