ELCO Lighting

Project name:

Fixture type:

Date:

Medium LED Floodlight

Medium 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. Available in medium and wide beam angles.

Features

- Die-cast Aluminum Housing.
- Durable dark bronze coat finish.
- Knuckle mount for adjusting angle.
- Standard input wattage: 35W (100W HID equivalent) or 45W (150W HID equivalent).
- Optional Accessories:
- Knuckle (EFLMKW) enabling mounting on junction boxes and pipes.
- Wireguard (EFLMWG) for added protection.
- Photocells, button type (EWPPHBU, EWPPHB1) and swivel type (EWPPHSU).
- Motion Detectors (EWMSU).

Specifications

Wattage	35W - 45W
Lumens	3500 lm - 5400 lm
Voltage	120/277V
Color Temp.	4000K - 5000K
Lamp Type	LED
Beam Angle	Medium Flood - Wide Flood
CRI	70+
Power Factor	> 0.9
Wet Location	Listed

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.

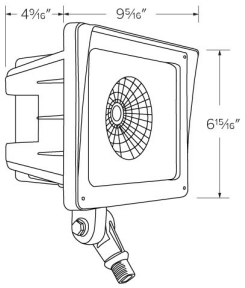
Electrical: Constant current 120/277V AC Class 2 Driver with a power factor > 0.9. Ambient operating temperature: -40°F (-40ºC) to 113°F (45°C). Standard input wattage: 35W (100W HID equivalent) or 45W (150W HID equivalent)

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

Dimensions



Product Numbers

Item	Lamp type	Lumens	CCT	Watts	Voltage	Beam Angle	Finish
EFL35M40FL	LED	3500 lm	4000K	35W	120/277V	Medium Flood	Dark Bronze
EFL35M50FL	LED	3600 lm	5000K	35W	120/277V	Medium Flood	Dark Bronze
EFL45M40FL	LED	5300 lm	4000K	45W	120/277V	Medium Flood	Dark Bronze
EFL45M50FL	LED	5400 lm	5000K	45W	120/277V	Medium Flood	Dark Bronze
EFL35M40WF	LED	3500 lm	4000K	35W	120/277V	Wide Flood	Dark Bronze
EFL35M50WF	LED	3600 lm	5000K	35W	120/277V	Wide Flood	Dark Bronze
EFL45M40WF	LED	5300 lm	4000K	45W	120/277V	Wide Flood	Dark Bronze
EFL45M50WF	LED	5400 lm	5000K	45W	120/277V	Wide Flood	Dark Bronze

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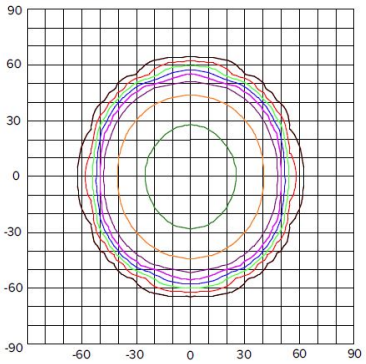
Product Number Builder Example: **EFL35M40FL**

Medium Floodlight	Wattage	Size	Color Temp	Beam Spread
EFL				
	35 35W	**M** Medium	**40** 4000K	**FL** Medium Flood
	45 45W		**50** 5000K	**WF** Wide Flood

Medium LED Floodlight

Multiplier: 5000K (x 1.04)

PHOTOMETRIC REPORT
Product #: EFL35M40FL
Wattage/Lumens: 35.7W/ 3533 Lm
Luminaire LPW: 99 Lm/W



FOOTCANDLE LEGEND:

- 10% = 145.5
- 20% = 291
- 30% = 436.5
- 40% = 582
- 50% = 727.5
- 60% = 873
- 75% = 1091.25
- 90% = 1309.5

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	90.7	11.6'
6'	40.3	17.3'
8'	22.7	23.1'
10'	14.5	28.9'

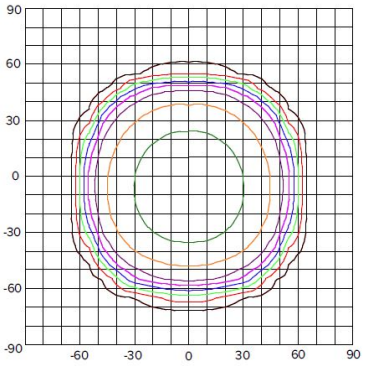
ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	1152.93	32.60
0-40°	1928.72	54.60
0-60°	3345.21	94.70
0-90°	3529.57	99.90

Medium LED Floodlight

Multiplier: 5000K (x 1.04)

PHOTOMETRIC REPORT
Product #: EFL45M40FL
Wattage/Lumens: 47.9W/ 5451 Lm
Luminaire LPW: 114 Lm/W



FOOTCANDLE LEGEND:

- 10% = 225.34
- 20% = 450.68
- 30% = 676.02
- 40% = 901.36
- 50% = 1126.7
- 60% = 1352.04
- 75% = 1690.05
- 90% = 2028.06

ILLUMINANCE AT A DISTANCE

Distance to Target Plane	Footcandles Beam Center	Beam Diameter
4'	140	11.2'
6'	62.3	16.9'
8'	35.0	22.5'
10'	22.4	28.1'

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30°	1792.58	32.90
0-40°	2993.63	54.90
0-60°	5098.71	93.50
0-90°	5446.00	99.90

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