Truex Lighting

DESCRIPTION & APPLICATIONS

The EPSFL series is a square, multi-purpose light is classified for use in environments that require the following certifications:

- Class I, Division I, Groups: C, D
- Class I, Division II, Groups: A, B, C, D
- Class II, Division I, Groups: E, F, G
- Class II, Division II, Groups: E, F, G
- Class III

The fixture is designed for applications requiring anti-corrosive, metallic fixtures. Excellent for marine wet and damp locations.

Typical applications include solvent and cleaning areas, petrochemical facilities, marine facilities, waste treatment plants, and food processing applications.

Housing is copper free aluminum with clear, glass lens. Fixture comes standard with ceiling mounting brackets, but can be wall, pole, or pendant mounted.

Electrical
Long-life LED system coupled with electronic driver delivers optimal performance. LED's available in 80+ CRI, 4000K and 5000K. Projected L70 rated life is >100,000 hours. Standard electronic drivers are 120-277VAC, 347-480VAC drivers optional.

Listing/Certifications
NEMA 4X IP66
UL1598 / UL1598A / UL844
CSA C22.2 No.137 / No.250.0
UL1598A Marine and Wet Locations

Performance
The EPSFL luminaire offers up to 140 lumens per watt, THD <10%, PF>95. Dimming and a 3-hour emergency battery are optional. LED modules and drivers are offered with a standard 5 year warranty based on performance under normal conditions. Consult warranty for details.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

SPECIFICATIONS

Construction: Marine grade, copper free cast aluminum housing

Finish: Grey

Lens: Tempered glass

Light Source: 20 to 250-watts (140 lumens/watt)

Available Light Spreads: 40/60/90/120-degree

CRI: 80+

CCT: 4000K to 5000K

L70: 100,000 hour rated life

Power Source: 120-277VAC, 50/60Hz; 347 & 480VAC, 50/60Hz optional

Wiring: 3/4-inch NPT threaded openings

Mounting: Ceiling, wall, pole, pendant

Ambient Operating Temperature: -40°F to +140°F

Impact: High impact resistance

**Maintenance**: Replaceable LED board and drivers

Components: Integrated compartment for driver

**Optional Configurations**: Dimming, emergency backup battery

Additional Ratings: IP66 and IK10

DIMENSIONS

20W / 40W / 60W / 80W

11.61"

11.61"

3/4-inch NPT

9.57"

0.8"

6.80"

100W / 150W / 200W

15.72"

11.20"

9.96"
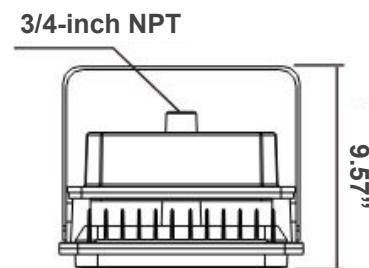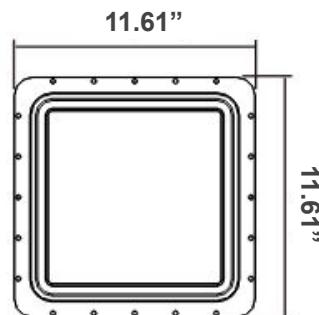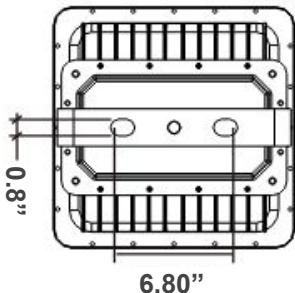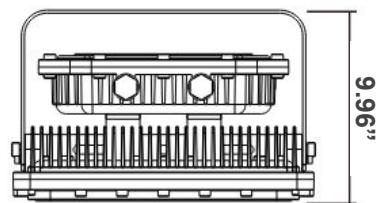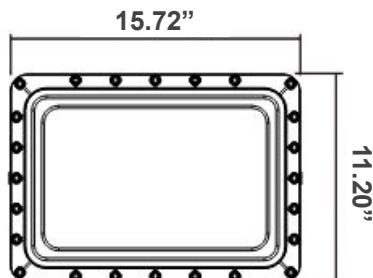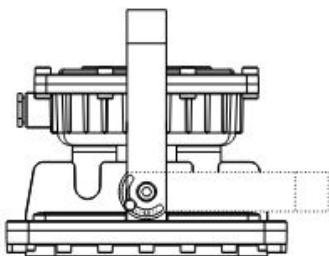
OPTICAL PERFORMANCE

WATTAGE	LUMENS	LUMENS / WATT
20W	2,720 lm	136 lm/w
40W	5,600 lm	140 lm/w
60W	8,400 lm	140 lm/w
80W	11,200 lm	140 lm/w
100W	14,000 lm	140 lm/w
150W	21,000 lm	140 lm/w
200W	28,000 lm	140 lm/w

MOUNTING OPTIONS

Ceiling (20W-80W)
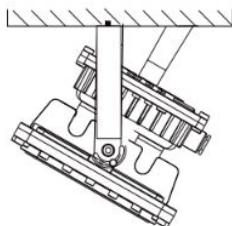
Bracket

### Ceiling (100W-200W)
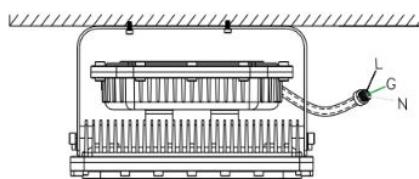
Bracket

Wall
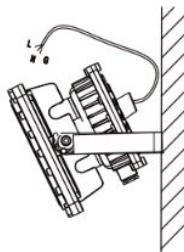
Bracket

### Pendant / Conduit - Vertical
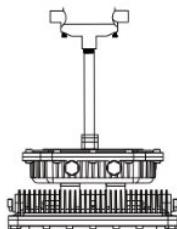
Junction Box

**Pole**

MOUNTING OPTIONS
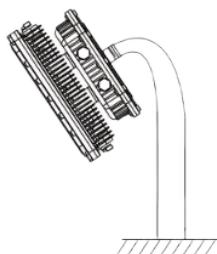
Pole Stanchion

90-degree Pole Stanchion

25-degree Pole Stanchion

Trunnion Mount

Slip Fitter Mounting Kit
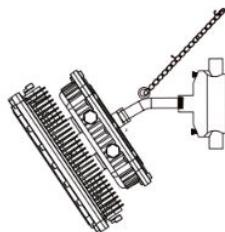
Pendant Mount - Non-Vertical

Junction Box

Bended Pipe

Pendant Chain

LIGHT DISTRIBUTION

40-degrees

AVERAGE BEAM ANGLE(50%):38.6 DEG
UNIT:cd
— C0/180,38.7°
— C90/270,38.5°

60-degrees

AVERAGE BEAM ANGLE(50%):63.2 DEG
UNIT:cd
— V 0.0DEG PLAN,62.6
— H 0.0DEG PLAN,63.8

90-degrees

AVERAGE BEAM ANGLE(50%):81.6 DEG
UNIT:cd
— V 0.0DEG PLAN,81.0
— H 0.0DEG PLAN,82.1

120-degrees

AVERAGE BEAM ANGLE(50%):109.6 DEG
UNIT:cd
— C0/180,110.0
— C30/210,109.4
— C60/240,109.6
— C90/270,109.4
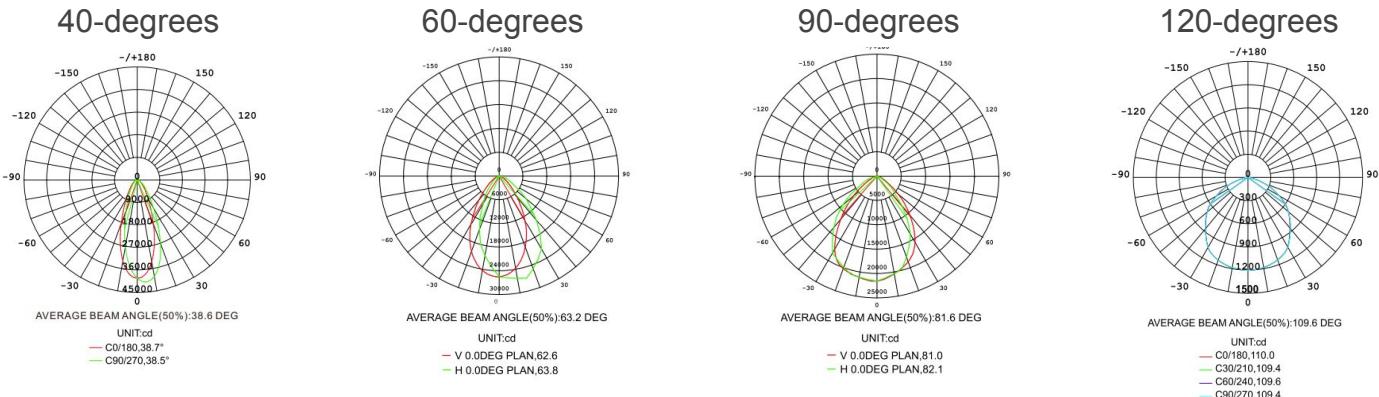
MODEL CODE OPTIONS

| EPSFL | – | | – | | – | | – | | – | | – | |

Series	Wattage	Light Dist.	Mounting	Options	Voltage
EPSFL	20W	40	C (ceiling)	EM (Emergency Battery)*	UNV (120-277VAC)
	40W	60	W (wall)	D (Dimming)*	480 (347-480VAC)*
	60W	90	P (pole/pendant)		
	80W	120	SF (slip fitter)*		
	100W				
	150W				
	200W				

EXAMPLE:
EPSFL-100W-120-C-EM-UNV

*May come with an additional charge for specific equipment option. Please contact Truex Lighting or authorized manufacturer's sales representative for further pricing information.