

# FAL-EX

## LED Hazardous Lighting System

The **FAL-EX** series is a Class I, Division 2 explosion proof fixture that is IP66 rated for harsh environments. The durable aluminum housing acts as a heat sink allowing the fixture to be installed in even the toughest conditions with minimal lumen depreciation. Multiple size configurations make this fixture perfect for all applications. It is highly resistant to impact and vibrations.



### Applications:

- Refinery factory
- Oil and gas loading dock
- Saw and Pulp mill
- Paint manufacture
- Smelting plant
- Mining
- Ocean platform
- Chemical plant
- Hazardous environments

# FALCON Ex Series

## FAL-EX-XXXX Specifications

**Listing:** UL US-Canada Certified. Suitable for Wet Location. IP66 Rating Class I Division 2 Groups A, B, C, D, Class II Division 2, Groups F, G Class III. (Tested standards: UL844, UL1598/1598(A). CSA C22.2 No. 250.0/137. RoHS compliant.)

**Optics:** 120°

**Available CRI:** 70, 80 (only for 3000K CCT)

**Colour Temperature (CCT):** 3000-5000K

**Input Line Voltage:** 100-277 VAC, 50/60 Hz

**Ambient Temperature:** -40°C to 45°C

**Warranty:** 5 years

**Standard Dimensions:** 600-1200mm x 136mm x 124mm [23.6-47.2" x 5.4" x 4.9"]

**Standard Weight:** 6.4 kg – 11 kg [14.1 lb. – 24.3 lb.]

**Lens:** Shock and vibration resistant tempered glass for reliability. Diffused lens for glare reduction available.

**Construction:** Powder-coated copper free aluminum housing. Suitable for marine applications.

**Major Feature:** IP66 dust/water protection. High efficiency and impact resistance (10J)

**Installation:** Surface/wall, ceiling, pole, suspension, and clamp mount

## Specification Table

Model	Size (cm)	Lumen <sup>1</sup> (lm)	Wattage (W)	Efficiency (lm/W)	Temperature Class (45°C)
FAL-EX-0040	60 x 13.6 x 12.4	4,914	36	136.5	T6
FAL-EX-0050	60 x 13.6 x 12.4	6,552	48	136.5	T6
FAL-EX-0060	60 x 13.6 x 12.4	7,644	56	136.5	T6
FAL-EX-T040	120 x 13.6 x 12.4	4,914	36	136.5	T5
FAL-EX-T050	120 x 13.6 x 12.4	6,552	48	136.5	T5
FAL-EX-T060	120 x 13.6 x 12.4	7,644	56	136.5	T5
FAL-EX-0072	120 x 13.6 x 12.4	9,828	72	136.5	T5
FAL-EX-0100	120 x 13.6 x 12.4	13,650	100	136.5	T5
FAL-EX-S036	60 x 13.6 x 12.4	4,554	36	136.5	T6
FAL-EX-S048	60 x 13.6 x 12.4	6,072	48	136.5	T6

## Ordering Code

LAMP TYPE	SERIES CODE	POWER RATING	AC INPUT VOLTAGE	CCT	CRI	OPTICS (degrees)	INSTALLATION METHOD	LENS*	[NULL]	OPTIONS
FAL	EX	T060	277	4K0	70	120	SP	CL	00	X
FAL	EX (Hazardous Lighting)	0040 (36W) 0050 (48W) 0060 (56W) T040 (36W) T050 (48W) T060 (56W) 0072 (72W) 0100 (100W) S036 (36W-Exit) S048 (48W-Exit)	277 (120~277V)	3 K 0 (3000K) 4 K 0 (4000K) 5 K 0 (5000K)	7 0	120 (120°)	S P (Suspension) S F (Surface, Wall) C M (Ceiling) P L (Pole) C P (Clamp)	C L (Clear) F R (Frosted)	0 0	X (None)

\*Frosted lens available by custom order

www.lumingen.com  
Office: 1.604.371.4112

Specs subject to change without notice. January 3, 2020  
±10% on light flux and power specifications

