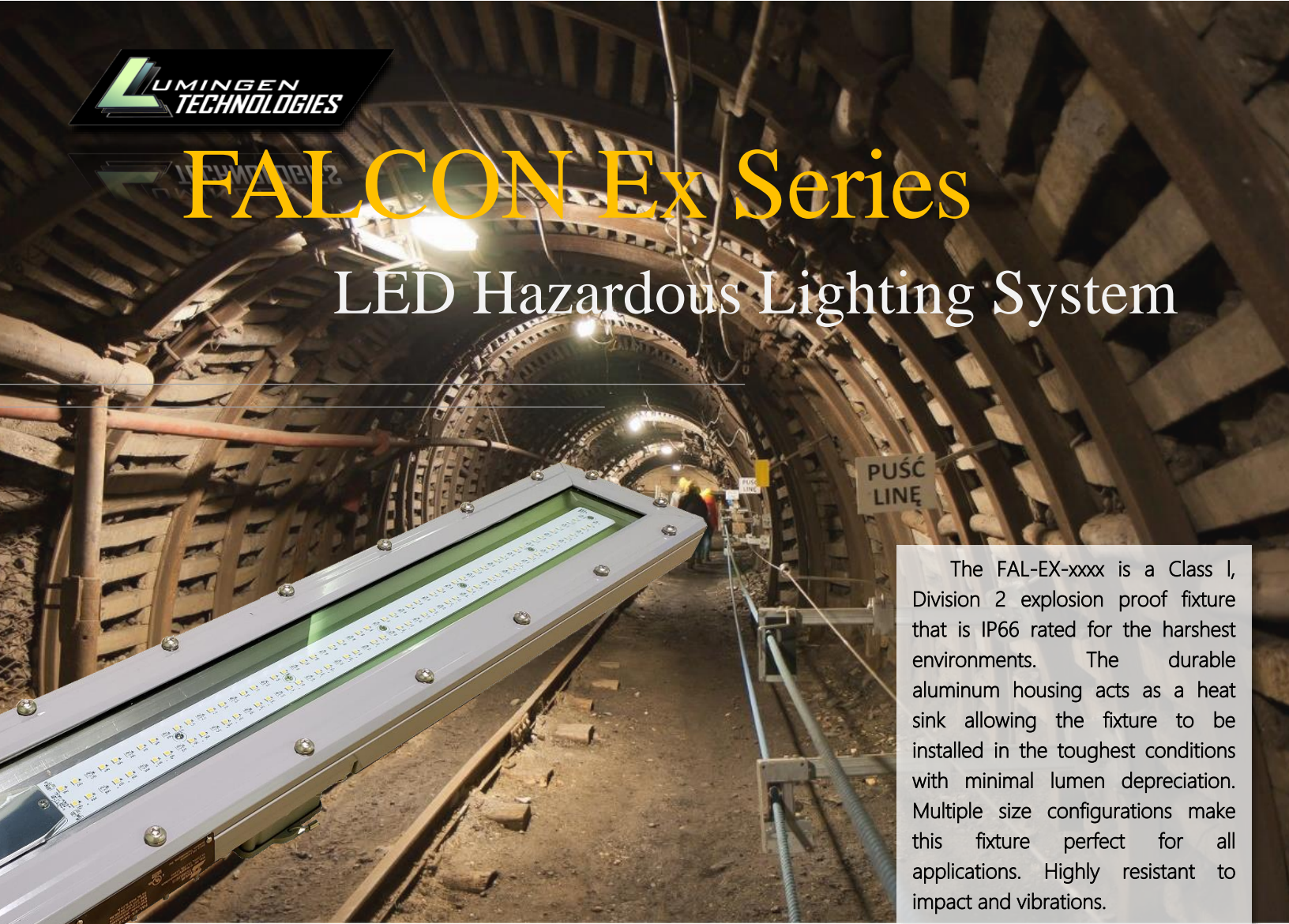




FALCON Ex Series

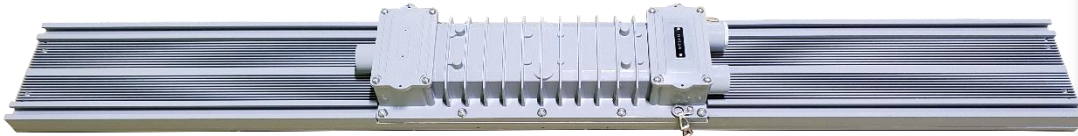
LED Hazardous Lighting System



The FAL-EX-xxxx is a Class I, Division 2 explosion proof fixture that is IP66 rated for the harshest environments. The durable aluminum housing acts as a heat sink allowing the fixture to be installed in the toughest conditions with minimal lumen depreciation. Multiple size configurations make this fixture perfect for all applications. 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



Lumingen Technologies, Ltd.

Specs subject to change without notice. March 28, 2019



FALCON Ex Series

FAL-EX-XXXX Specifications

Listing: IP66. Suitable for Marine/Wet Locations. UL844, UL1598(A). CSA C22.2 No. 250.0/137. RoHS compliant.

Efficacy: 126.5 lm/W

Optics: 150°

Available CRI: >70, >80

(>80 CRI only for 3000K CCT)

Colour Temperature (CCT): 3000-5000K

Operating Temperature: -40°C to 45°C

Warranty: 5 years

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

Standard Dimensions: 600-1200mm x 136mm x 85mm [23.6-47.2" x 5.4" x 3.4"]

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

Certification/Standards: Class I, Division 2, Groups A,B,C,D | Class II, Division 2, Groups F,G | Class III | Temp classification T5, T6 (2-foot model only)

Lens: Shock and vibration resistant tempered glass

Housing: Copper free aluminum

Major Feature: IP66 dust/water protection. High vibration and impact resistance

Installation: Surface, wall, pole, and suspension

Specification Table

Model	Size (cm)	Lumen ¹ (lm)	Wattage (W)	Efficiency (lm/W)	Input Voltage (VAC)
FAL-EX-0040	60 x 13.6 x 8.5	4,554	36	126.5	100/277
FAL-EX-0050	60 x 13.6 x 8.5	6,072	48	126.5	100/277
FAL-EX-0060	60 x 13.6 x 8.5	7,084	56	126.5	100/277
FAL-EX-T040	120 x 13.6 x 8.5	4,554	36	126.5	100/277
FAL-EX-T050	120 x 13.6 x 8.5	6,072	48	126.5	100/277
FAL-EX-T060	120 x 13.6 x 8.5	7,084	56	126.5	100/277
FAL-EX-0072	120 x 13.6 x 8.5	9,108	72	126.5	100/277
FAL-EX-0100	120 x 13.6 x 8.5	12,650	100	126.5	100/277

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	150	S P	CL	00	X
FAL	EX <i>(Hazardous Lighting)</i>	0040 (36W) 0050 (48W) 0060 (56W) T040 (36W) T050 (48W) T060 (56W) 0072 (72W) 0100 (100W)	277 <i>(120~277V)</i>	3 K 0 <i>(3000K)</i> 4 K 0 <i>(4000K)</i> 5 K 0 <i>(5000K)</i>	7 0	150 (150°)	S P <i>(Suspension)</i> S F <i>(Surface, Ceiling)</i> W L <i>(Wall)</i> P L <i>(Pole)</i>	CL <i>(Clear)</i>	0 0	X <i>(None)</i>

¹Delivered Luminance Variation depends on selected Color Temperature (CCT)

