



# COBRA Ex Series

## LED Hazardous Lighting System



The COB-EX series is designed to be extremely efficient at 140lm/W. Class I, Division 2 certified, this fixture can be used for spot/down lighting and as general purpose lighting. The many beam angles available on this fixture makes it extremely versatile for all applications. High impact and vibration resistance.

### 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. January 3, 2020

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## COB-EX-XXXX Specifications

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

**Optics<sup>1</sup>:** 15°, 40°, 60°, 80°, 120°, Type 2, Type 3

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

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

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

**Warranty:** 5 years

**Standard Dimensions:** 210-500mm x 400mm x 161mm [8.3-19.7" x 15.7" x 6.3"]

**Standard Weight:** 7.3 kg – 18.4 kg [16.1 lb. – 40.6 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 (20J).

**Installation<sup>2</sup>:** Surface, wall, suspension, pole, and pole top mount

Model No.	Delivered Light (lm)	Wattage (W)	Efficiency (lm/W)	Temperature Classification for different Ambient Temperatures		
				-40 to +40°C	-40 to +45°C	-40 to +50°C
COB-EX-0080	11,200	80	140	T4A	T4A	T4A
COB-EX-0120	16,800	120	140	T4A	T4A	T4
COB-EX-0150	21,000	150	140	T4A	T4A	T4
COB-EX-0200	28,000	200	140	T4A	T4	-
COB-EX-0240	33,600	240	140	T4A	T4	-

## Ordering Code

LAMP TYPE	SERIES CODE	POWER RATING	AC INPUT VOLTAGE	CCT	CRI	OPTICS (degrees)	INSTALLATION METHOD	LENS <sup>3</sup>	[NULL]	OPTIONS
COB	EX	0080	277	4K0	70	120	PL	CL	00	V
COB	EX <i>(Hazardous Lighting)</i>	0080 (80W) 0120 (120W) 0150 (150W) 0200(200W) 0240(240W)	277 <i>(100~277V)</i>	3 K 0 <i>(3000K)</i> 4 K 0 <i>(4000K)</i> 5 K 0 <i>(5000K)</i>	7 0	15 (15°) 4 0 (40°) 6 0 (60°) 8 0 (80°) 12 0 (120°) 0T2(Type2) 0T3(Type3)	S P <i>(Suspension)</i> S F (Surface, Ceiling) W L (Wall) P L (Pole) P T (Pole Top)	C L <i>(Clear)</i> F R <i>(Frosted)</i>	0 0	V (Impact) X (None)

\*NOTES: <sup>1</sup>Type 3 optics only available on 80w and 120w models

<sup>2</sup>Pole mount only available for 80w, 120w, and 150w models

<sup>3</sup>Frosted lens available by custom order



www.lumingen.com  
Office: 1.604.371.4112

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±10% on light flux and power specifications