



COBRA Ex Series

LED Hazardous Lighting System



The COB-EX-xxxx 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 resistant.

Applications:

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



RoHS

Lumingen Technologies, Ltd.

Specs subject to change without notice. June 6, 2019

COBRA Ex Series

COB-EX-XXXX Specifications

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

Efficacy: 140lm/W

Optics²: 15°, 40°, 60°, 80°, 120°, Type 2, Type 3

Available CRI: >70, >82

(>82 CRI only for 3000K CCT)

Colour Temperature (CCT): 3000-5000K

Operating Temperature³: -40°C to 50°C

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

Lens: Shock and vibration resistant tempered glass

Housing: Copper free aluminum

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

Installation⁴: Surface, wall, suspension, pole, and pole top mount

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.]

Certification/Standards: Class I, Division 2, Groups A,B,C,D | Temp classification T4(A)

Model No.	Delivered ¹ Light (lm)	Wattage (W)	Efficiency (lm/W)
COB-EX-0080	11,200	80	140
COB-EX-0120	16,800	120	140
COB-EX-0150	21,000	150	140
COB-EX-0200	28,000	200	140
COB-EX-0240	33,600	240	140

Ordering Code

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

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

²Operating temperature varies depending on wattage

³Type 3 optics only available on 80w and 120w models

⁴Pole mount only available for 80w, 120w, and 150w models

OPTIONS:

For orders with several options, code shall be appended as follows:

COB-EX-xxxx-xxx-xxx-xx-xxx-xx-xx-xx- [OPTION 1] - [OPTION 2] - ... - [OPTION n]

If no options are desired, apply a single code "X" in the OPTIONS area.



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±10% on light flux and power specifications