EXP-HB
EXPLOSION PROOF HIGHBAY FLOOD LIGHT
(80W, 100W, 150W)

5 YEAR WARRANTY*

Icons: 200~480VAC | 100~277VAC | 30LBS | IP66 | -40°C | 60°C
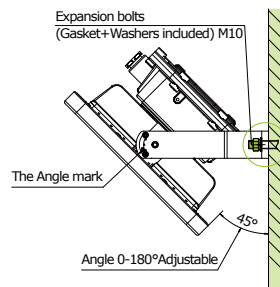
Ex | CE | VIEWING 20° ANGLE | VIEWING 40° ANGLE | VIEWING 60° ANGLE | VIEWING 120° ANGLE

CLASSIFIED cULus | DLC PREMIUM | IECEx | IK08 | 4000K | 5000K
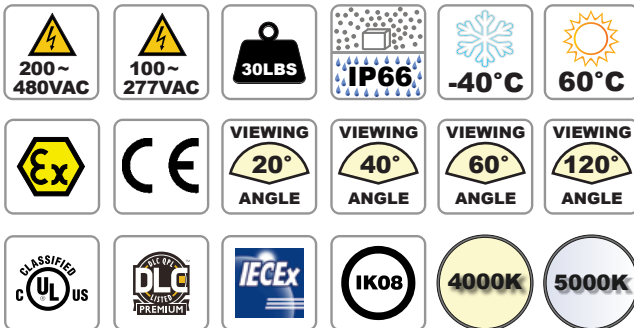
Mounting options

Floor Type

The Angle mark
Angle 0-180° Adjustable
45°
Expansion bolts (Gasket+Washers included) M10

Wall Type

Expansion bolts (Gasket+Washers included) M10
The Angle mark
Angle 0-180°Adjustable
45°

Ceiling Type

Expansion bolts (Gasket+Washer included) M10
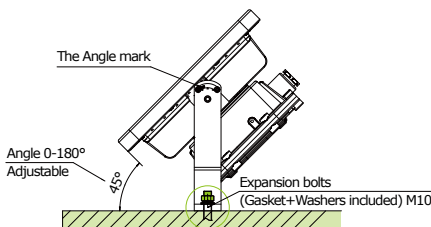
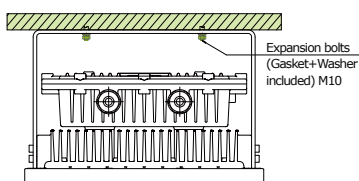## DESCRIPTION

The EXP-B Series is engineered for installations in the harshest of conditions where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambient temperature can be expected.

Used in areas where flammable vapours, gases, and combustible dusts are present as defined by the NEC and IEC. For example gas stations, storage facilities, drilling rigs, manufacturing plant, chemical plants, marine terminals and grain elevators.

The larger sized 80W, 100W, and 150W are ideal for large areas, or high bay applications.

FEATURES

· 80W, 100W, 150W

· 100-277VAC or 200-480VAC

· UL844
  Class I Div. 1, Group C,D @ T6
  Class II Div. 2, Group F, G @ T4A
  Class I Div. 2, Group A, B, C, D @ T4A

· IEC STANDARD: Zone 1 & 2 for explosive gas
  Zone 21 & 22 for combustible dust

· NPT 3/4

· Power Factor: >0.95

· Light efficacy 130Lm/W

· CRI: >70

· THD: <10%

· Beam Angle: 20°, 40°, 60°, 120°

· Average Life: 100,000 Hours L90

· Available in: 4000K, 5000K

· Operating temperature: -40°F ~ 140°F (-40°C ~ 60°C)

· Thermal shock and impact resistant glass lens

· Shock and vibration resistant

· Copper free aluminum body and frame, corrosion resistant

· 0° to 180° adjustable bracket

NOTES & PATENT INFORMATION

US Patent #7,307,391 8,115,411 8,791,650 9,179,513
Canada Patent #2,651,224 2,555,065 2,831,641
International Patents Pending
For complete and up to date patent information see our website

DIMENSIONS

11" (280mm)

13.2"(335mm)

8.6" (218mm)

6.5" (164mm)
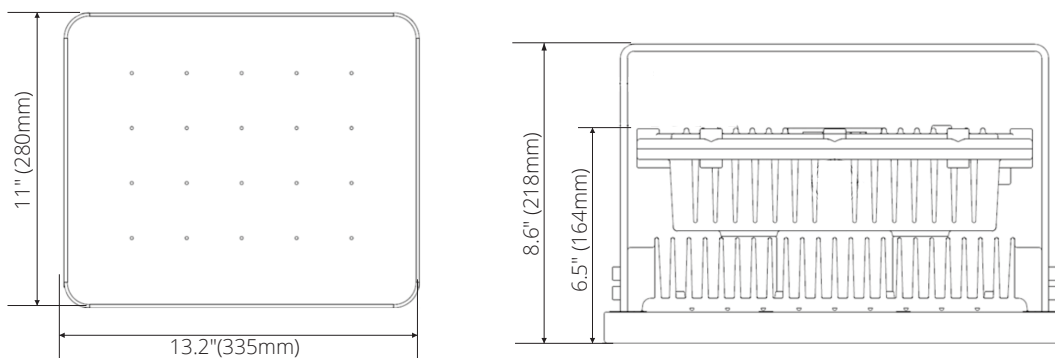
ELECTRICAL STATS & OPERATING FUNCTIONS

SPECIFICATION	DETAILS		
WATTAGE	80W	100W	150W
LUMENS OUTPUT	≥10000Lm	≥13000Lm	≥19000Lm
LED CHIP TYPE	Osram Oslon Square M2 (3535)		
POWER CONNECTION TYPE	HARDWIRE		
CRI	>70		
LIGHT OUTPUT ANGLE (BEAM)	20° or 40° or 60° or 120°		
COLOR TEMPERATURES (CCT)	4000K, 5000K		
LUMEN MAINTENANCE	100,000 Hrs L90		
INPUT VOLTAGE	100-277VAC or 200-480VAC		
IP & IK Rating	IP66 / IK08		
POWER FACTOR	>0.99		
DRIVER EFFICACY	91%		
OPERATING TEMPERATURE	-40°F ~ 140°F (-40°C ~ 60°C)		
OPERATING HUMDITY	10%-90% RH Class I Div. 1, Group C,D @ T6 Class II Div. 2, Group F, G @ T4A Class I Div. 2, Group A, B, C, D @ T4A		
WARRANTY	5 Year Standard Warranty		
DIMENSIONS	335x280x164mm (13.2"x11"x6.5")		
WEIGHT	13.5 KG (30 lbs)		

Front of the Light

Side of the Light

Back of the Light

ORDERING INFORMATION

SERIES	VOLTS	WATTS	COLOR	BEAM ANGLE
EXP-HB /	XXX	XXX	XX	XXX

	120 = 100-277VAC	80 = 80W	50 = 5000K	20 = 20°
	347 = 200-480VAC	100 = 100W	40 = 4000K*	40 = 40°
		150 = 150W		60 = 60°
				120 = 120°

*Special order contact factory