

HAZARDOUS LOCATIONS

B SERIES

Certified for use in **hazardous locations**, the B Series LED luminaires offer high efficiency and optimal quality. Their compact design and versatile mounting options make them ideal for large areas in **extreme and hazardous environments** with exposure to snow, water, wind, vapors or flammable gases, and combustible dust.

CERTIFICATIONS



Technical Data	
Input voltage	100 - 277V ~ / 200 - 480 V ~
Input frequency	50 / 60 Hz
Dimmable	0 - 10 V (Optional)
Color temperature	5000K
CRI	> 70
Operating temperature	-40 to 60° C
Harmonic distortion	<10 %
Power factor	0.90
Beam angle	40°, 60°, 90°, or 120°
Mounting	Surface-mounted: Wall, Wall-mounted with junction box, Ceiling, Ceiling-mounted with junction box
Classification	IP66
Impact resistance	IK08
Anti-surge rating	10 kV
Light maintenance @100,000 hrs	0.86 <small>*Projected L70 (I2K) ≥ 72,000 hrs per IES TM-21</small>
Body	Die-cast A383 aluminum alloy
Optics	Borosilicate
Color	Black

Model	Nominal Power	Luminous Efficiency	Luminous Flux
EXB-20	20 W	140 lm/W	2,800 lumens
EXB-40	40 W	140 lm/W	5,600 lumens
EXB-60	60 W	140 lm/W	8,400 lumens
EXB-80	80 W	140 lm/W	11,200 lumens
EXB-100	100 W	140 lm/W	14,000 lumens
EXB-120	120 W	140 lm/W	16,800 lumens
EXB-150	150 W	140 lm/W	21,000 lumens
EXB-200	200 W	140 lm/W	28,000 lumens
EXB-250	250 W	140 lm/W	35,000 lumens
EXB-300	300 W	140 lm/W	42,000 lumens
EXB-400	400 W	140 lm/W	56,000 lumens



ATEX - European Union
 II 3 G Ex ec IIC T6...T3 Gc
 II 2 D Ex tb IIIC T85°C...T100°C Db
 II 2 G Ex eb mb IIC T5...T6 Gb
 II 2 D Ex tb IIIC T80°C...T100°C Db



Intertek - North America
 UL1598, UL1598A



ABS Type Approved



IECEx - International
 Ex ec IIC T6...T3 Gc
 Ex tb IIIC T85°C...T100°C Db
 Ex eb mb IIC T5...T6 Gb
 Ex tb IIIC T80°C...T100°C Db

Other Classifications

IP66
 IK10



Intertek - North America
 Class I, Division 2, Groups A, B, C, D
 Class II, Division 1, Groups E, F, G
 Class II, Division 2, Groups F, G
 Class III



Additional Accesories



Rotable bracket
Code: EX-BRACKET



Globe optic
Code: EX-GLOBE



Protective guard
Code: EX-WIREWARD



Junction box
Code: EX-JOI



Installation hook
Code: EX-HOOK



Angled threaded pipe
Code: EX-WPIPE



Threaded pipe
Code: EX-SPIPE



Mounting arm
Code: EX-MARM



25° pipe bracket
Code: EX-25SUPPORT



90° pipe bracket
Code: EX-90SUPPORT



Chain for suspended mounting
Code: EX-PCH

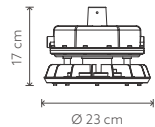


Mounting arm for junction box
Code: EX-DARM

Dimensions

EXB-20W / EXB-60W

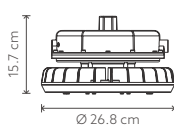
4.15 kg



Light distribution
40°, 60°, 90° o 120°

EXB-80W / EX-100W

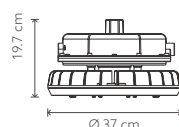
6.95 kg



Light distribution
40°, 60°, 90° o 120°

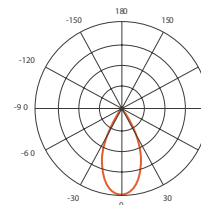
EXB-120W / EXB-150W / EXB-200W

8.3 kg

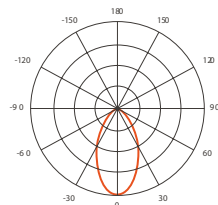


Light distribution
40°, 60°, 90° o 120°

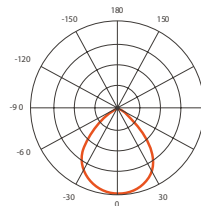
Photometric distribution



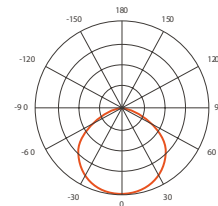
40°



60°



90°

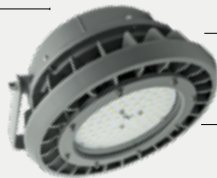


120°

Epoxy powder coating applied electrostatically and oven-cured.

Explosion-proof LED luminaire with replaceable LED module

Optional accessory: rotatable bracket



Stainless steel screws

Ordering Guide

1 Series	2 Model	3 Power Supply	4 Opening Angle	5 Voltage
EXB	20 W 40 W 60 W 80 W 100 W 120 W 150 W 200 W 250 W 300 W 400 W	S Standard D Dimmable	1 40° 2 60° 3 90° 4 120°	S 100 - 277 V~ H 200 - 480 V~

Code example:

1 Series	2 Model	3 Power supply	4 Opening angle	5 Voltage
EXB	60W	S	1	S