

Iluminación duradera diseñada para la
seguridad industrial.



Luminaria LED para zonas
peligrosas Serie B (Zona 2 y Clase
I División 2)

CODIGO
80W: 5573
100W: 5050
150W 5279
200W 5184





Globe Glass with Wire Guard
(Optional)



Descripción del producto

La luminaria LED de la serie B es la opción ideal para aplicaciones marinas y en entornos peligrosos. Se puede utilizar en lugares donde pueda haber humedad, suciedad, polvo, corrosión y vibraciones, o en zonas donde se prevean viento, agua, nieve o altas temperaturas ambientales.

Características

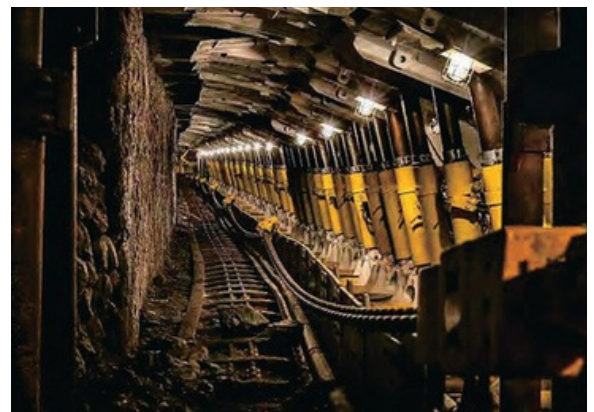
- Regulación de intensidad 0-10V
- Alta eficacia luminosa: hasta 140 lúmenes por vatio
- Función de respaldo de batería disponible
- Estructura compacta y robusta, excelente fiabilidad
- Diversas opciones de instalación para diferentes aplicaciones
- Gran resistencia a impactos con certificación IK08/IK10

Explosion-proof Light B Series (Zone 2 & Class | Division 2)

CÓDIGO
80W: 5573
100W: 5050
150W 5279
200W 5184

Cumplimiento

- Norma ATEX:
 - Ex II 3G Ex ec IIC T6...T3 Gc
 - Ex || 2D Ex tb IIIC T85°C...T103°C Db
- Norma IECEx:
 - Certificado n.º: IECEX PCET 22.0008X
 - Ex ec IIC T6...T3 Gc
 - Ex tb IIIC T85°C...T100°C Db
 - Ex tc IIIC T85°C...T100°C Dc
- Zona 2, 21, 22
- CB (Ref. Certificado n.º: DE 2-038462-M1)
- NSF
- UL 844 Ubicaciones peligrosas
- Clase I División 2, Grupo A, B, C, D
- Clase II División 1, Grupo E, F, G
- Clase II División 2, Grupo F, G
- Clase III
- Clase I, Zona 2, Grupo IIC
- Clase II, Zona 21, Grupo IIIC
- UL 1598 Ubicaciones húmedas
- UL 1598A Tipo marino para exteriores
- UL Iluminación de emergencia 924
- UL (ATM para el informe E509202)
- ABS
- NSF
- DLC*
- IP66
- IK08 (cubierta de vidrio)
- IK10 (con protector de cables)
- 1000 horas de resistencia a la corrosión por niebla salina



Aplicación

- Centrales eléctricas
- Almacenamiento para industria pesada
- Fábricas de papel
- Plantas de tratamiento de aguas residuales
- Plataformas y muelles de carga
- Entornos marinos
- Plantas de procesamiento químico
- Plantas de procesamiento petroquímico
- Industria metalúrgica
- Industria alimentaria y de bebidas alcohólicas

Garantía

- Garantía estándar de 5 años
- Mantenimiento del flujo luminoso LED: L70 > 150 000 horas de funcionamiento a 55 °C



Technical Parameter (for Class I Division 2)

• Electrical

Model NO	EX-xxxW B	EX-xxxW B3	EX-xxxWB2	EX-xxxWB4
	20/40/50/60/80/100W	20/40/50/60/80/100/ 120/150/180/200W	20/25/30/35/40/50/60/ 70W	150/180/200/250/300/ 350/400W
Input Voltage - Normal	100-277/200-480VAC		120-277/120-347/277-480VAC	
Input Voltage	120-277VAC		/	120-277VAC
Input Frequency	50/60Hz		50/60Hz	
Power Factor	> 0.95		> 0.9	
Emergency	No emergency function		No emergency function	Optional (Only for 150W/ 180W/200W)

• Optical

Model NO	EX-xxxW B	EX-xxxW B3	EX-xxxWB2	EX-xxxWB4
Lumen Output	2600-13000lm	2600-26000lm	2600-9100lm	19500-52000lm
Lumens Per Watt	130lm/W (for regular + clear glass)			
CCT	3000K/4000K/5000K/5700K/6500K		2700K/4000K/5000K/5700K/6500K	
CRI	> 70			
Beam Angle	40°/60°/90°/120°/T2/T3/T5			
Dimming	0-10V dimming optional			

• Environmental

Model NO	EX-xxxW B	EX-xxxW B3	EX-xxxWB2	EX-xxxWB4
Ambient Temperature	-40°C to +40°C; -40°C to +50°C; -40°C to +65°C		-40°C to +40°C; -40°C to +55°C; -40°C to +65°C	-40°C to +40°C; -40°C to +50°C; -40°C to +60°C

• Mechanical

Model NO	EX-xxxW B	EX-xxxW B3	EX-xxxWB2	EX-xxxWB4
Housing Material	Copper-free aluminum			
Diffuser (Optional)	Flat glass/Flat polycarbonate/Convex glass/ Convex polycarbonate		Flat PC/Flat Glass/ Convex PC/Convex Glass/Spherical Glass	Flat PC/Flat Glass/ Convex PC/ Convex Glass
Hardware	Stainless steel			
Protection	IP66/IK08 (without wire guard)/IK10 (with wire guard)		IP66/IK08	
Mounting	Ceiling, Wall, Stanchion 25°, Pendant, Surface		Surface, Pendant	Ceiling, Wall, Pendant, Stanchion 25°, Surface
Cable Entries	3/4" NPT (standard); M25 *		Side: 3/4" NPT; Top: 3/4" NPT	

* For cable entries of B and B3, 3/4" NPT is standard. 1/2" NPT, M20 and M25 can be achieved with an adapter, and customer needs to indicate which is required when placing an order.

Parámetro técnico

• Electrical

Specification	EX-xxxWB2 N**D**	EX-xxxWB N**D**	EX-xxxWB3 N**D**	EX-xxxWB4 N**D**
Rated Power	20/40/60W	60/80/100W	100/120/150/200W	250/300/350/400W
Input Voltage	100-277VAC			
Input Frequency	50/60Hz			
Power Factor	> 0.95			
Emergency	No emergency function	No emergency function	Optional (3 hours)	No emergency function

• Optical

Specification	EX-xxxWB2 N**D**	EX-xxxWB N**D**	EX-xxxWB3 N**D**	EX-xxxWB4 N**D**
Lumen Output	2800-8400lm	8400-14000lm	14000-28000lm	35000-56000lm
Lumens Per Watt	140lm/W			
CCT	3000K-6500K			
CRI	> 70			
Beam Angle	40°/60°/90°/120°			
Dimming	0-10V dimming			

• Environmental

Specification	EX-xxxWB2 N**D**	EX-xxxWB N**D**	EX-xxxWB3 N**D**	EX-xxxWB4 N**D**
Ambient Operating Temperature	T3: -40°C to +55°C (-40°F to +131°F)			

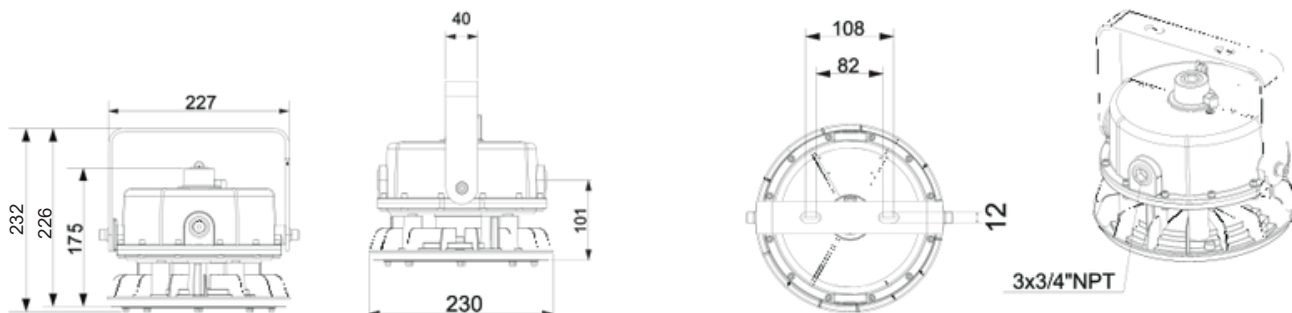
• Mechanical

Specification	EX-xxxWB2 N**D**	EX-xxxWB N**D**	EX-xxxWB3 N**D**	EX-xxxWB4 N**D**
Housing Material	Copper-free aluminum			
Lens	Tempered glass & PC			
Hardware	Stainless steel			
Fixture Color	Gray RAL7040 (Standard)			
Protection	IP66/IK08 (glass cover)/IK10 (with wire guard)			
Mounting	Ceiling, Wall, Pole, Hook Pendant, Stanchion, Wall, Trunnion			
Cable Entries*	Side: 3/4" NPT (standard); M20, M25, 1/2" NPT (optional) Top: 3/4" NPT (standatd); M25 (optional)			

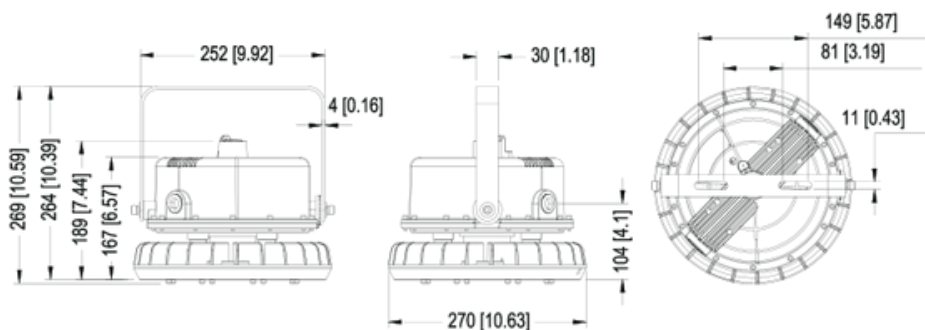
* For cable entries, 3/4" NPT is standard. Others can be achieved with an adpater, and customer needs to indicate which is required when placing an order.

Dimensiones

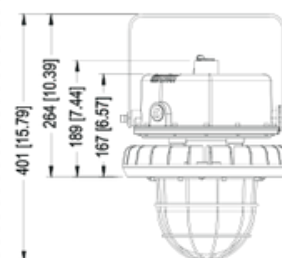
B2



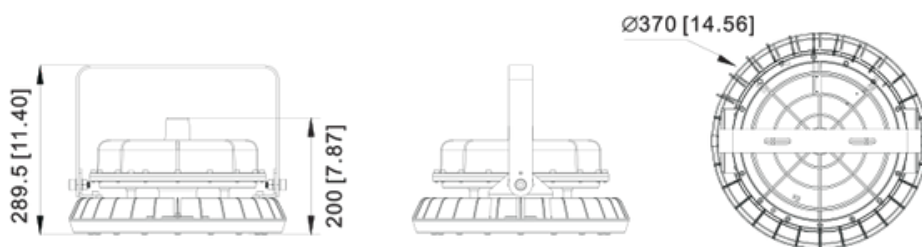
B without drop lens



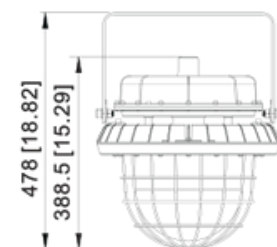
with drop lens



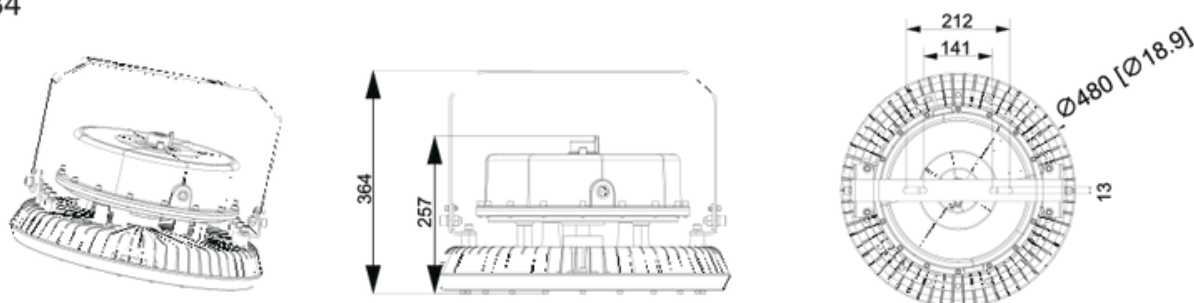
B3 without drop lens



with drop lens



B4



• Packing Information

Model	Net Weight*	Gross Weight*	Quantity/Carton	Package Dimensions (LxWxH)
B2	3.5 kg/7.72 lb	5.0 kg/11.02 lb	1 pc	360x354x260mm/14.17x13.94x10.24inch
B	4.4 kg/9.70 lb	5.65 kg/12.46 lb	1 pc	400x350x250mm/15.75x13.78x9.84inch
B3	8.2 kg/18.08 lb	10.6 kg/23.37 lb	1 pc	500x480x290mm/19.69x18.90x11.42inch
B4	17.0 kg/37.48 lb	23.5 kg/51.81 lb	1 pc	600x600x390mm/23.62x23.62x15.35inch

*Please note that net weight and gross weight may be subject to change because of actual configuration.

Guía de productos

EX - xxxW XX D 27 D40 CFG A A A N 1 H 1 2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1. Basic Model Series Name	2. Rated Input Wattage	3. Lamp Enclosure Heatsink
EX = Explosion Proof Product	B: 20/40/50/60/80/100W B3: 20/40/50/60/80/100/120/150/180/200W B2: 20/25/30/35/40/50/60/70W B4: 150/180/200/250/300/350/400W	B B3 B2 B4

4. Dimming Function	5. CCT	6. Beam Angle	7. Diffuser Type
Blank = non-dimmable D = dimmable	27: 2700K 40: 4000K 50: 5000K 57: 5700K 65: 6500K	"D40" = 40 degrees "D60" = 60 degrees "D90" = 90 degrees "D120" = 120 degrees "T2" = 60 degrees "T3" = 90 degrees "T5" = 120 degrees	"CFG"= Clear Flat Glass, "CCG"= Clear Conves Glass, "CFP"= Clear Flat PC, "FFG"= Frosted Flat Glass, "FCG"= Frosted Convex Glass

8. Driver Housing Type	9. Heat Sink Type	10. Lens Cover Type	11. Backup Power Source
B/B3: A, B, C, D B2: E, H B4: A,A1,B,B1,C,C1, D,D1,E,F,G	A = Heat Sink A B = Heat Sink B C = Heat Sink C	"A" = Alternate Enclosure Cover 1 (normal cover)	N=Without Backup Power E=With Backup Power

12. Internal Code	13. Input Voltage	
1 = 5050 2 = 2835	H=277-480V L=120-277V M=120-347V	1 2

* Spherical Glass option is available only for B, B3, and B2 series.

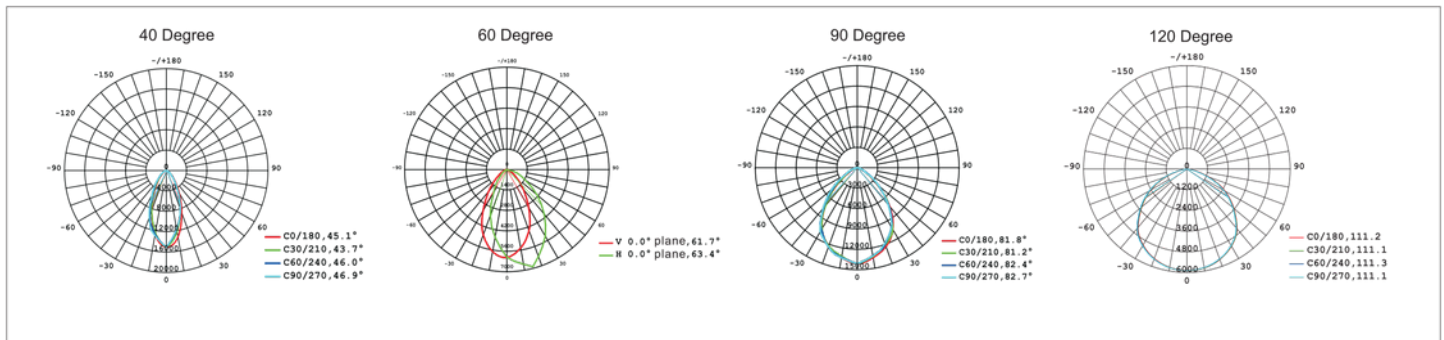
Guía de productos

Ex - * * W * * N * * D * *

1 2 3 4

1. Wattage (W)	2. Product Code	3. Color Temperature	4. Beam Angle (Degree)
B2:20/40/60W B:60/80/100W B3:100/120/150/200W B4:250/300/350/400W	Can be: B, B2, B3, B4	Can be 30 to 65, means 3000K to 6500K	Can be: 40, 60, 90, 120

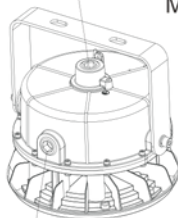
Fotometría



Cable Entries

Compatible with NPT1 thread with an adapter

Top: 3/4 NPT (standard),
M25

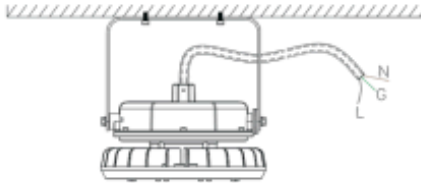


Wire outlet

Side: 3/4 NPT (standard),
M20, M25, 1/2NPT(available from stock or in bulk. Small orders can add adapters.)

Montaje

• Option 1: Ceiling Mounting

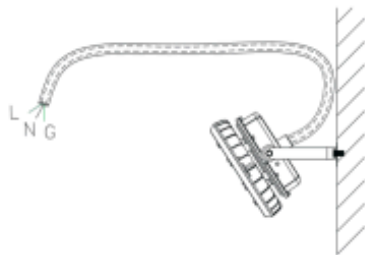


• Accessory



Bracket

• Option 2: Wall Mounting



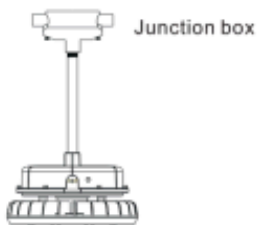
• Accessory



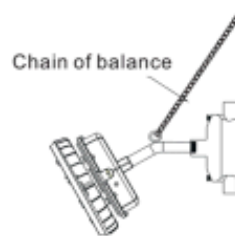
Bracket

• Option 3: Pole Pendant Mounting

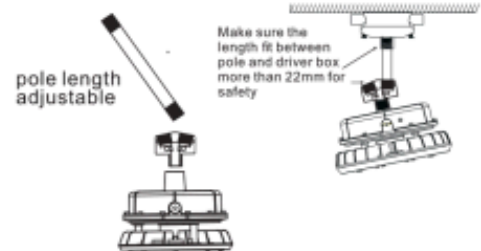
Vertical



Non-vertical



Adjustable Pole Installation



Junction Box
EX-HD51-KB1



Junction Box
EX-HD51-KB1



Junction Box
EX-HD51-KB1



Pole
Ex-Straight Pipe



Pole
Ex-Bended Pipe



Pole
Ex-Straight Pipe



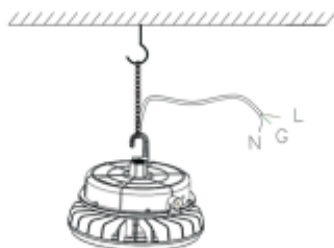
Pendant Chain
Ex-Straight Chain



Pendant Direction Adapter
Ex-D01

Montaje

• Option 4: Hook Pendant Mounting



• Accessories

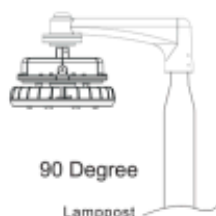


Hook
Ex-Hook

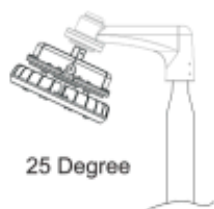


Pendant Chain
Ex-Straight Chain

• Option 5: Stanchion Mounting



90 Degree
Lamp post



25 Degree

• Accessories

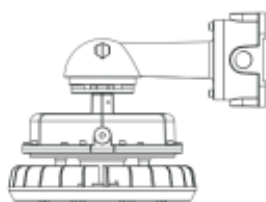


EX-90P Support

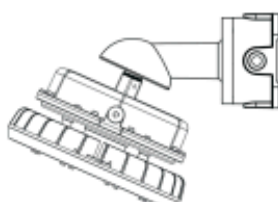


EX-25P Support

• Option 6: Wall Mounting to Junction Box



90 Degree



25 Degree

• Accessories

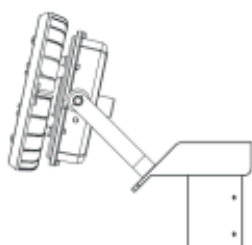


Stanchion Arm
EX-HD51-KYD 90



Stanchion Arm
EX-HD51-KYD 25

• Option 7: Trunnion Mounting (Only for B and B2)



• Accessory



EX-Slip
Fitter Mounting Kit