ATX™ PB Series Floodlights

Flameproof. Metal Halide, Sodium, Mercury Vapor, Halogen

NEC/CEC:
  AEx/Ex de IIB IP 66
  Ex de IIB
  IP66

ATEX/IECEx:
  Zone 1 and 2 - 21 and 22
  ⟨Ex⟩ II 2 GD
  IP66 – IK10

Applications

- Designed for large area lighting in industrial outdoor and indoor hazardous areas.
- Ideal for use in Zones 1 and 2 and 21 and 22 in the oil and gas industry. In locations such as: refineries, pipelines, warehouses, offshore platforms and drilling rigs.

Features

- Gray epoxy painted light marine grade aluminum housing and door.
- Fast and easy lamp replacement via threaded cover on the side of the fixture. The cover is fitted with a short safety chain.
- Lampholder can be easily field-adjustable for either a narrow or wide beam.
- Fixtures operate safely in high ambient temperatures up to +55 °C (+131°F) and in low ambient temperature up to -40 °C (-40 °F).
- Electrical components (ballast, ignitor and capacitor) are thermally separated from the lighting compartment with a bulkhead, providing extended life.
- Easy and efficient wiring due to separate Ex e terminal box with wiring onto 2 captive terminals 2 x 6 mm^2 (2 x 0.009 in^2); 2 internal earth terminals capacity 6 mm^2 (0.009 in^2) and 1 external earth terminal capacity 4 mm^2 (0.006 in^2).
- 2 x 20 mm (2 x 0.79 in) clearance holes throughwire cable entries supplied with:
  — One Ex e unarmored cable gland — sealing diameter 6.5 mm to 14.5 mm (0.2 in to 0.57 in)
  — One blanking plug
  — Two M20 locknuts
- For use with either tubular or ellipsoidal shape lamps. See ordering information for details.
- Choice of mounting with galvanized hinged bracket fixed mounting or tube/pole mounting with galvanized brackets.
- Thermoshock and impact-resistant glass factory sealed into the cover frame.
- Operates in any position.
- Reversible hinge allows for fixture access from either side.
- E40 or H3 lampholders for the 2 x 70 W Vac/Vdc halogen version.
- Internal symmetric reflector.

Standard Materials

- Housing and door: copperfree marine-grade aluminum alloy
- Lens: toughened safety glass
- Reflector: bright highly polished aluminum
- Bolts: stainless steel bolt
- Cable gland and blanking plug: polyamide
- Locknut: nickel plated brass

Standard Finishes

- Housing and door: gray epoxy powder paint

Options

- Other voltages, please contact your sales representative.
- Hinged bracket available: add suffix -**T** at the end of the catalog number.
- Terminal block with 2 more terminals for wiring with 3 phases plus Neutral in 380/415 V (loop in/loop out wiring possible): add suffix -**T** at the end of the catalog number.
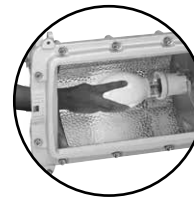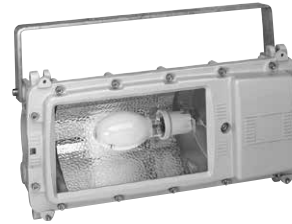
- Asymmetrical light distribution is available, add suffix -**A** to end of catalog number.
- Screwed-on overhead diffuser out of galvanized steel with black painting (see accessories).
- Screwed-on zinc-coated protection guard (see accessories).

NEC/CEC Certifications and Compliances

- AEx/Ex de IIB IP 66
- cCSAus Ex de IIB IP 66
- 175 W Metal Halide and Pulse Start Metal Halide
- Safety starter

ATEX/IECEx Certifications and Compliances

- Certification Type: PJd
  — Gas: Zone 1 and 2
    – Conforming to ATEX 94/9/CE: ⟨Ex⟩ II 2 G
    – Type of Protection: Ex de IIB
    – Temperature Class: See *T Rating (Gas) and Surface Temperature (Dust) Table*
  — Dust: Zone 21 - 22
    – Conforming to ATEX 94/9/CE: ⟨Ex⟩ II 2 D
    – Type of Protection: Ex tD A21
    – Surface Temperature: See *T Rating (Gas) and Surface Temperature (Dust) Table*
- Ambient Temperature: -20 °C ≤ Ta ≤ +55 °C (-4 °F ≤ Ta ≤ +131 °F)
- CE Declaration of Conformity: 50207
- ATEX Certificate: LCIE 99/ ATEX 6002
- IECEx Certificate: IECEx LCI 04.0020
- Index of Protection according EN/IEC 60529: IP66 (Type PB)
- Impact Resistance (shock): IK10

EURASEC Certification

- EURASEC N° TC RU C-FR.Гᶠ05.B.00912

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Flameproof. Metal Halide, High Pressure Sodium, Mercury Vapor, Halogen

NEC/CEC:
AEx/Ex de IIB IP 66
Ex de IIB
IP 66

ATEX/IECEx:
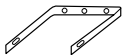*Zone 1 and 2 - 21 and 22*
⟨Ex⟩ II 2 GD
IP66 or IP66/67 – IK10

Lamp Wattages	Lampholder	Voltage (+/−10%)	Lamp Type		Weight kg (lb)	Volume dm³ (in³)	Catalog Number ②③
			Ellipsoidal	Tubular			
High Pressure Sodium							
150	E40	230/240 V, 50 Hz	x	x	29.3 (65)	79.4 (4847)	**PBAL15XJB**
250	E40	230/240 V, 50 Hz	x	x	30.3 (67)	79.4 (4847)	**PBAL25XJB**
400	E40	230/240 V, 50 Hz	–	x	31.8 (70)	79.4 (4847)	**PBAL40XJB**
Mercury Vapor ④							
250	E40	230/240 V, 50 Hz	x	x	29.3 (65)	79.4 (4847)	**PBAM25XJB**
400	E40	230/240 V, 50 Hz	–	x	29.8 (66)	79.4 (4847)	**PBAM40XJB**
Metal Halide							
250	E40	230/240 V, 50 Hz	x	x	30.3 (67)	79.4 (4847)	**PBAH25XJB**
400	E40	230/240 V, 50 Hz	–	x	31.8 (70)	79.4 (4847)	**PBAH40XJB**
Halogen ④							
500/1000	E40	–	–	x	26.3 (58)	79.4 (4847)	**PBAZ50B**
2 x 70	H3	24 Vac/Vdc, 50 Hz	–	–	27.3 (60)	79.4 (4847)	**PBAZ70BTB** ①

Accessories

	Catalog Number
Galvanized Steel Hinged Brackets	
	PBHBG
Pole/Tube Mounting Galvanized Steel Brackets	
1-1/4" to 1-1/2"	**PNHC49G**
2"	**PNHC60G**
Flat Surface Mounting Galvanized Steel Brackets	
	PNSBG
400 W Mercury Vapor Lamp	
	LM400E40
Screwed-on Overhead Diffuser	
	PBGDG
Screwed-on Protective Guard	
	PBPGZ
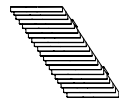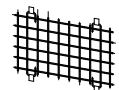
Note : Floodlights supplied with hinged mounting bracket, 1 plug, 1 M20 cable gland — 6.5 mm to 14.5 mm (0.26 in to 0.57 in) diameter. Lamps are not included.
① Supplied with 2 x 70 W H3 bulbs, 24 Vac/Vdc.
② Terminal block with 2 more terminals for wiring with 3 phases plus Neutral in 380/415 V: add suffix -T at the end of the catalog number.
③ Asymmetrical light distribution is available, add suffix -A to end of catalog number.
④ Mercury vapor and metal halide luminaires are not available for purchase within the United States. Please check with your countries governing legislation regarding allowable lamp types before ordering.