

PX09 Ex Floodlight 70W~600W

Product Introduction

PX09 series explosion-protected floodlight is Ex ed or Ex d design, certified for Zones 1, 21, 2 and 22. The housing is made of copper-free aluminum and heat resistant borosilicate glass cover. All external screws are made of stainless steel.

The electrical components are thermally separate in their own compartment and have a separate Ex-e maintenance-friendly connection compartment. With the adjustable mounting frame an optimum light guidance is reached. Due to the robust architecture it proves its reliability in chemical factories and offshore platforms for illuminating large areas and selective large objects.



Product Features

- Environmental temperatures up to + 55 °C.
- Degree of protection IP66.
- Robust light alloy housing.
- Captive screws made of stainless steel.
- Large Ex-e connection compartment.
- Easy to Maintain and install.

Technical Data

Marking acc.to ATEX	<p>⊕ II 2G Ex d IIB T5...T2 Gb or II 2 G Ex d e IIB T5...T2 Gb</p> <p>⊕ II 2 D Ex tD A21 IP66 T95 °C...T220 °C</p>
Marking accd. to IECEx	Ex d IIB T...Gb/ Ex de IIB T...Gb, Ex tD A21 IP66 T...°C
Marking accd. to GB	Ex d e IIB T5~T2 Gb, Ex d IIB T5~T2 Gb, DIP A21 T _A T...°C IP66
Permissible ambient temperature	-20 °C to +55 °C
Rated voltage & Frequency	220/230VAC 50/60Hz; 240/50Hz
Power factor cosψ	≥ 0.9
Circuit	compensated circuit
Connecting terminals	L1, N: 2 x 4 mm ² ; PE: 2 X 6 mm ²
Insulation class	I
Lamp/illuminant	HPS (70W-600W), MHS (70W-400W), MHM (400W)
Lamp socket	70W, 100W (HPS/MH)-E27; 150W-400W(HPS/MH) & 600W(HPS)-E40
Degree of protection	IP66
Cable entries	2 x M20x1.5/2xM25 x 1.5 w/ or w/o one cable glands (see table), one plugged
Dimensions (L x W x H)	546 x 443 x 396 mm (with control gear box) 546 x 443 x 340 mm (without control gear box)
Weight approx.	70W/23kg, 100W/24kg, 150W/31kg
Type of mounting	"U" mounting bracket
Enclosure material	
Enclosure colour	grey
Protective cover	borosilicate glass
Reflector	polished aluminum reflector
Enclosure earth	2 x 6 mm ²

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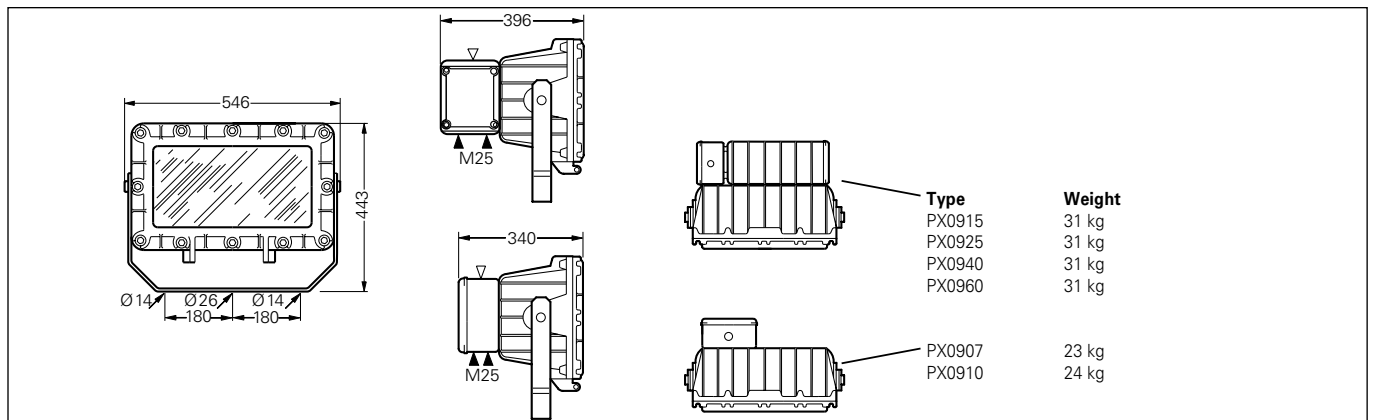
Ordering Logic

PX09	07	S	3	H	W	M20	M	/TI
Product Group	Wattage	Lamp	Voltage	Ballast type	Beam	Entry	Gland	Option
PX09	07=70 W 10=100W 15=150W 25=250W 40=400W 60=600W	S= HPS(600W only available in HPS) M= Metal Halide	3=220V/50Hz 4=220V/60Hz 5=230V/50Hz 6=240V/50Hz 7=230V/60Hz	Default=Sodium ballast (for HPS, MHS) H=Mercury ballast (only for 400W MHM)	W= Wide N= Narrow (70W and 100W only has narrow beam option)	M20 M25	default= without gland M= with 1pc metal gland	/TI=Timed ignitor

Temperature Class Feature

Maximum ambient temperature	40°C	50°C	55°C	40°C	50°C	55°C
Type	Temperature class			Maximum surface temperature		
PX09 07	T5	T4	T4	T95°C	T105°C	T110°C
PX09 10	T4	T4	T4	T100°C	T110°C	T115°C
PX09 15	T4	T4	T4	T105°C	T115°C	T120°C
PX09 25	T3	T3	T3	T140°C	T150°C	T155°C
PX09 40 S.	T3	T3	T3	T175°C	T185°C	T190°C
PX09 40 M. PX09 40 M.H	T3	T3	T3	T180°C	T190°C	T195°C
PX09 60	T2	T2	T2	T205°C	T215°C	T220°C

Dimension and Ordering Information



Polar Curve

