



SmartBright Highbay

BY218P LED180/NW PSU

Neutral white, Power supply unit (On/Off)

SmartBright Essential Highbay is a high efficient and reliable LED luminaire, designed for industrial application without humid and dust protection requirements. It enables point to point replacement of HID conventional luminaires, and delivers significant energy savings of up to 64% as compared to HID lamp system. With the innovation of micro prism structure optical plate, it provides an excellent glare control and smooth uniform lighting surface, which effectively improve the comfort of your environment.

Product data

General Information		Light source color	
Light source replaceable	No	Optic type	Wide beam
Number of gear units	2 units	Optical cover type	Micro-lens optic in polycarbonate cover
Gear	-	Luminaire light beam spread	105°
Driver included	Yes	Operating and Electrical	
CE mark	CE mark	Input Voltage	220-240 V
Warranty period	3 years	Line Frequency	50 to 60 Hz
Flammability mark	-	Inrush current	65 A
ENEC mark	-	Inrush time	0.39 ms
Glow-wire test	Temperature 650 °C, duration 30 s	Power Consumption	200 W
EU RoHS compliant	No	Power Factor (Fraction)	0.9
Light Technical		Connection	Flying leads/wires
Luminous Flux	18,000 lm	Cable	Cable 0.3 m without plug
Correlated Color Temperature (Nom)	4000 K	Number of products on MCB of 16 A type B	5
Luminous Efficacy (rated) (Nom)	90 lm/W		
Color rendering index (CRI)	>75		
Beam angle of light source	120 degree(s)		

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Temperature	
Ambient temperature range	-20 to +40 °C

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing	
Housing Material	Steel
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	Gray and gray
Optical cover finish	Frosted
Overall height	147 mm
Overall diameter	369 mm

Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.3 J]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7.5%

Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	1 %
Median useful life L70B50	25,000 hour(s)
Median useful life L80B50	20,000 hour(s)
Median useful life L90B50	15,000 hour(s)

Application Conditions	
Suitable for random switching	No

Product Data	
Order product name	BY218P LED180/NW PSU
Full product name	BY218P LED180/NW PSU
Full product code	697013372997700
Order code	72997700
Material Nr. (12NC)	911401560321
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	6970133729977
Numerator - Packs per outer box	1
EAN/UPC - Case	6970133729977

Dimensional drawing



