PHILIPS

Maxoled Highbay

6999452



Robust and Superior aesthetics Circular Highbay suitable for versatile applications

Maxoled LED highbay is a luminaire designed to provide undisrupted and uniform lighting for industrial application and is an ideal solution for higher mounting heights, high temperature application and special heavy-duty industry. It enables a safe working environment with leading specifications and comfortable light. At the same time, it lowers the overall maintenance cost. Robustness and aesthetics make this highbay a perfect solution for versatile applications such as manufacturing unit, Airport hangar area, shop floor, warehouse/storage area, heavy duty industries etc.

Benefits

- Suitable for use in harsh Industrial environment
- Option of multiple optics and lumen packages providing application flexibility
- Dimmable options making suitable for connected industrial offerings
- Outstanding energy efficiency leads to lowering ROI
- High quality material and design leads to longer life class for luminaire

Applications

- Arena and Sports
- Manufacturing
- Warehouses
- Airports

Features

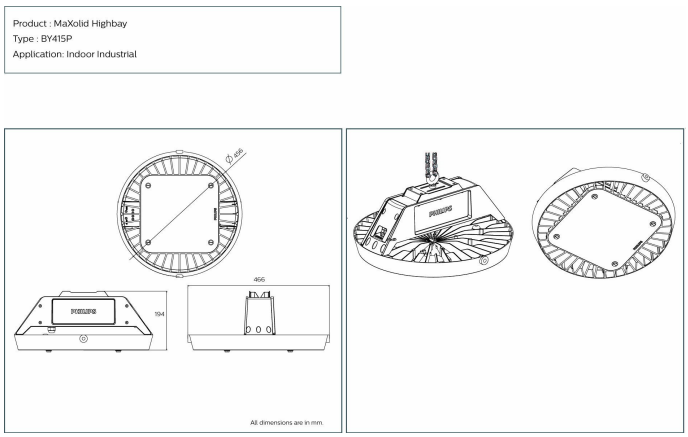
- Ingress Protection -IP65
- Impact Resistance IK08
- Inbuilt encapsulated Potted Driver
- Designed for operations under diverse environment from -10˚C to 50˚C
- Life class is 50000 hours (L70B50 @ Ta45˚C)
- Tempered glass cover provides strong protection from high pollution
- Pressure die-cast housing offers excellent corrosion-resistance and robustness
- System efficiency > 125 lm/W
- System lumen 23000lm, 24500lm, 26000lm, 28000lm & 28500lm options
- Four Beam Angles Narrow Beam (NB; 60^0), Wide Beam (WB; 110^0), Symmetric (SY20^0), Symmetric (SK60^0)
- Five lumen choices with four optics: Suitable for 15 to 30-meter height
- High Voltage Cutoff @ 325 ± 15V with Auto Restart feature
- 440V Protection for 8 Hrs. (Phase to Phase)
- Internal Surge Protection 4KV
- Dimmable option provide capability for further energy savings
- Options of Polycarbonate front cover
- Meant for use in Indoor Industrial environment only

Versions



Maxoled Highbay-BY415P 416P

Dimensional drawing



Maxoled_Highbay-BY415P_416P

General Information

Driver included	Yes

Operating and Electrical

Input Voltage	120 to 277 V
Protection class IEC	Safety class I

Mechanical and Housing

Housing Color	Gray
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Optical cover type	Tempered glass

Approval and Application

Flammability mark	For mounting on normally flammable surfaces

Initial Performance (IEC Compliant)

Initial chromaticity	<5

Light Technical

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)	Beam angle of light source	Optic type
919515812643	BY415P LED165S CW PSU GR FG NB XTFCL V1	16,500 lm	6500 K	122 lm/W	>80	60 degree(s)	Beam angle 60°
919515812644	BY415P LED165S CW PSU GR FG WB XTFCL V1	16,500 lm	6500 K	122 lm/W	>80	110 degree(s)	Beam angle 110°
919515812768	BY415P LED145S CW PSU GR FG NB XTFCL V1	15,000 lm	6500 K	125 lm/W	>80	60 degree(s)	Beam angle 60°
919515812769	BY415P LED145S CW PSU GR FG WB XTFCL V1	15,000 lm	6500 K	125 lm/W	>80	110 degree(s)	Beam angle 110°
919515812771	BY415P LED145S CW PSD GR FG WB V1	15,000 lm	6500 K	125 lm/W	>80	110 degree(s)	Beam angle 110°
919515813040	BY416P LED260S CW SK60 FG PSU GR	26,000 lm	5700 K	127 lm/W	>70	60 degree(s)	Beam angle 60°
919515813043	BY416P LED230S CW SY20 FG PSU GR	23,000 lm	5700 K	128 lm/W	>70	20 degree(s)	Beam angle 20°
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	24,500 lm	6500 K	129 lm/W	>80	110 degree(s)	Beam angle 110°

Operating and Electrical

Order Code	Full Product Name	Power Consumption
919515812643	BY415P LED165S CW PSU GR FG NB XTFCL V1	135 W
919515812644	BY415P LED165S CW PSU GR FG WB XTFCL V1	135 W
919515812768	BY415P LED145S CW PSU GR FG NB XTFCL V1	120 W
919515812769	BY415P LED145S CW PSU GR FG WB XTFCL V1	120 W
919515812771	BY415P LED145S CW PSD GR FG WB V1	120 W
919515813040	BY416P LED260S CW SK60 FG PSU GR	205 W
919515813043	BY416P LED230S CW SY20 FG PSU GR	180 W
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	190 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
919515812643	BY415P LED165S CW PSU GR FG NB XTFCL V1	No
919515812644	BY415P LED165S CW PSU GR FG WB XTFCL V1	No
919515812768	BY415P LED145S CW PSU GR FG NB XTFCL V1	No
919515812769	BY415P LED145S CW PSU GR FG WB XTFCL V1	No
919515812771	BY415P LED145S CW PSD GR FG WB V1	Yes
919515813040	BY416P LED260S CW SK60 FG PSU GR	Yes
919515813043	BY416P LED230S CW SY20 FG PSU GR	Yes
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	Yes

Approval and Application

Order Code	Full Product Name	Ambient temperature range
919515812643	BY415P LED165S CW PSU GR FG NB XTFCL V1	0 to +50 °C
919515812644	BY415P LED165S CW PSU GR FG WB XTFCL V1	0 to +50 °C
919515812768	BY415P LED145S CW PSU GR FG NB XTFCL V1	0 to +45 °C
919515812769	BY415P LED145S CW PSU GR FG WB XTFCL V1	0 to +45 °C
919515812771	BY415P LED145S CW PSD GR FG WB V1	0 to +50 °C
919515813040	BY416P LED260S CW SK60 FG PSU GR	0 to +50 °C
919515813043	BY416P LED230S CW SY20 FG PSU GR	0 to +50 °C
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	0 to +50 °C

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