PHILIPS

Lighting

Robust and Superior aesthetics Circular Highbay suitable for versatile applications

Maxoled Highbay

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

Maxoled Highbay

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; 60º), Wide Beam (WB; 110º), Symmetric (SY20º), Symmetric (SK60º)
- 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

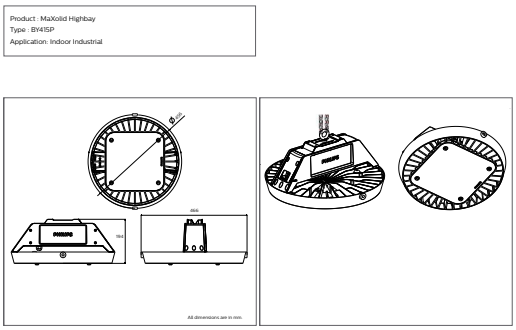
Application

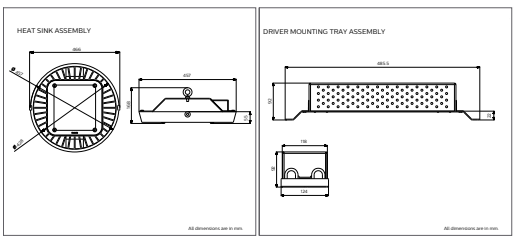
- Arena and Sports
- Manufacturing
- Warehouses
- Airports

Warnings and Safety

- Meant for use in Indoor Industrial environment only

Dimensional drawing





Maxoled Highbay

General Information	
Flammability mark	For mounting on normally flammable surfaces
Light Technical	
Optical cover type	Tempered glass
Operating and Electrical	
Input Voltage	120 to 277 V
Mechanical and Housing	
Housing Color	Gray
Approval and Application	
Protection class IEC	Safety class I
Mech. impact protection code	IK08
Ingress protection code	IP65
Initial Performance (IEC Compliant)	
Initial chromaticity	<5

General Information

Order Code	Full Product Name	Driver included
919515812643	BY415P LED165S CW PSU GR FG NB XTFCL V1	Yes
919515812644	BY415P LED165S CW PSU GR FG WB XTFCL V1	Yes
919515812645	BY415P LED190S CW PSU GR FG NB XTFCL V1	Yes
919515812646	BY415P LED190S CW PSU GR FG WB XTFCL V1	Yes
919515812648	BY415P LED165S CW PSD GR FG NB V1	Yes
919515812649	BY415P LED165S CW PSD GR FG WB V1	Yes
919515812650	BY415P LED190S CW PSD GR FG NB V1	Yes
919515812651	BY415P LED190S CW PSD GR FG WB V1	Yes
919515812768	BY415P LED145S CW PSU GR FG NB XTFCL V1	Yes
919515812769	BY415P LED145S CW PSU GR FG WB XTFCL V1	Yes
919515812770	BY415P LED145S CW PSD GR FG NB V1	Yes
919515812771	BY415P LED145S CW PSD GR FG WB V1	Yes
919515813040	BY416P LED260S CW SK60 FG PSU GR	Yes
919515813041	BY416P LED260S CW SY20 FG PSU GR	Yes
919515813042	BY416P LED230S CW SK60 FG PSU GR	Yes
919515813043	BY416P LED230S CW SY20 FG PSU GR	Yes
919515813185	BY416P LED280S CW GR SY20 FG NI	No
919515813186	BY416P LED280S CW GR SK60 FG NI	No
919515813261	BY415P LED275S CW PSU GR FG NB XTFCL V1	Yes
919515813262	BY415P LED275S CW PSU GR FG WB XTFCL V1	Yes
919515813263	BY415P LED240S CW PSU GR FG NB XTFCL V1	Yes
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	Yes

Light Technical (1/2)

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
919515812643	BY415P LED165S CW PSU GR FG NB XTFCL V1	60 degree(s)	6500 K	>80	122 lm/W
919515812644	BY415P LED165S CW PSU GR FG WB XTFCL V1	110 degree(s)	6500 K	>80	122 lm/W
919515812645	BY415P LED190S CW PSU GR FG NB XTFCL V1	60 degree(s)	6500 K	>80	127 lm/W
919515812646	BY415P LED190S CW PSU GR FG WB XTFCL V1	110 degree(s)	6500 K	>80	127 lm/W
919515812648	BY415P LED165S CW PSD GR FG NB V1	60 degree(s)	6500 K	>80	122 lm/W
919515812649	BY415P LED165S CW PSD GR FG WB V1	110 degree(s)	6500 K	>80	122 lm/W

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
919515812650	BY415P LED190S CW PSD GR FG NB V1	60 degree(s)	6500 K	>80	127 lm/W
919515812651	BY415P LED190S CW PSD GR FG WB V1	110 degree(s)	6500 K	>80	127 lm/W
919515812768	BY415P LED145S CW PSU GR FG NB XTFCL V1	60 degree(s)	6500 K	>80	125 lm/W
919515812769	BY415P LED145S CW PSU GR FG WB XTFCL V1	110 degree(s)	6500 K	>80	125 lm/W
919515812770	BY415P LED145S CW PSD GR FG NB V1	60 degree(s)	6500 K	>80	125 lm/W
919515812771	BY415P LED145S CW PSD GR FG WB V1	110 degree(s)	6500 K	>80	125 lm/W

Maxoled Highbay

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
919515813040	BY416P LED260S CW SK60 FG PSU GR	60 degree(s)	5700 K	>70	127 lm/W
919515813041	BY416P LED260S CW SY20 FG PSU GR	20 degree(s)	5700 K	>70	127 lm/W
919515813042	BY416P LED230S CW SK60 FG PSU GR	60 degree(s)	5700 K	>70	128 lm/W
919515813043	BY416P LED230S CW SY20 FG PSU GR	20 degree(s)	5700 K	>70	128 lm/W
919515813185	BY416P LED280S CW GR SY20 FG NI	20 degree(s)	5700 K	>70	127 lm/W

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
919515813186	BY416P LED280S CW GR SK60 FG NI	60 degree(s)	6500 K	>70	127 lm/W
919515813261	BY415P LED275S CW PSU GR FG NB XTFCL V1	60 degree(s)	6500 K	>80	127 lm/W
919515813262	BY415P LED275S CW PSU GR FG WB XTFCL V1	110 degree(s)	6500 K	>80	127 lm/W
919515813263	BY415P LED240S CW PSU GR FG NB XTFCL V1	60 degree(s)	6500 K	>80	129 lm/W
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	110 degree(s)	6500 K	>80	129 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Optic type
919515812643	BY415P LED165S CW PSU GR FG NB XTFCL V1	16,500 lm	Beam angle 60°
919515812644	BY415P LED165S CW PSU GR FG WB XTFCL V1	16,500 lm	Beam angle 110°
919515812645	BY415P LED190S CW PSU GR FG NB XTFCL V1	19,000 lm	Beam angle 60°
919515812646	BY415P LED190S CW PSU GR FG WB XTFCL V1	19,000 lm	Beam angle 110°
919515812648	BY415P LED165S CW PSD GR FG NB V1	16,500 lm	Beam angle 60°
919515812649	BY415P LED165S CW PSD GR FG WB V1	16,500 lm	Beam angle 110°
919515812650	BY415P LED190S CW PSD GR FG NB V1	19,000 lm	Beam angle 60°
919515812651	BY415P LED190S CW PSD GR FG WB V1	19,000 lm	Beam angle 110°
919515812768	BY415P LED145S CW PSU GR FG NB XTFCL V1	15,000 lm	Beam angle 60°
919515812769	BY415P LED145S CW PSU GR FG WB XTFCL V1	15,000 lm	Beam angle 110°

Order Code	Full Product Name	Luminous Flux	Optic type
919515812770	BY415P LED145S CW PSD GR FG NB V1	15,000 lm	Beam angle 60°
919515812771	BY415P LED145S CW PSD GR FG WB V1	15,000 lm	Beam angle 110°
919515813040	BY416P LED260S CW SK60 FG PSU GR	26,000 lm	Beam angle 60°
919515813041	BY416P LED260S CW SY20 FG PSU GR	26,000 lm	Beam angle 20°
919515813042	BY416P LED230S CW SK60 FG PSU GR	23,000 lm	Beam angle 60°
919515813043	BY416P LED230S CW SY20 FG PSU GR	23,000 lm	Beam angle 20°
919515813185	BY416P LED280S CW GR SY20 FG NI	28,500 lm	Beam angle 20°
919515813186	BY416P LED280S CW GR SK60 FG NI	28,500 lm	Beam angle 60°
919515813261	BY415P LED275S CW PSU GR FG NB XTFCL V1	28,000 lm	Beam angle 60°
919515813262	BY415P LED275S CW PSU GR FG WB XTFCL V1	28,000 lm	Beam angle 110°
919515813263	BY415P LED240S CW PSU GR FG NB XTFCL V1	24,500 lm	Beam angle 60°
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	24,500 lm	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

Order Code	Full Product Name	Power Consumption
919515812645	BY415P LED190S CW PSU GR FG NB XTFCL V1	150 W
919515812646	BY415P LED190S CW PSU GR FG WB XTFCL V1	150 W

Order Code	Full Product Name	Power Consumption
919515812648	BY415P LED165S CW PSD GR FG NB V1	135 W
919515812649	BY415P LED165S CW PSD GR FG WB V1	135 W
919515812650	BY415P LED190S CW PSD GR FG NB V1	150 W
919515812651	BY415P LED190S CW PSD GR FG WB V1	150 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
919515812770	BY415P LED145S CW PSD GR FG NB V1	120 W
919515812771	BY415P LED145S CW PSD GR FG WB V1	120 W
919515813040	BY416P LED260S CW SK60 FG PSU GR	205 W

Order Code	Full Product Name	Power Consumption
919515813041	BY416P LED260S CW SY20 FG PSU GR	205 W
919515813042	BY416P LED230S CW SK60 FG PSU GR	180 W
919515813043	BY416P LED230S CW SY20 FG PSU GR	180 W
919515813185	BY416P LED280S CW GR SY20 FG NI	225 W
919515813186	BY416P LED280S CW GR SK60 FG NI	225 W
919515813261	BY415P LED275S CW PSU GR FG NB XTFCL V1	220 W
919515813262	BY415P LED275S CW PSU GR FG WB XTFCL V1	220 W
919515813263	BY415P LED240S CW PSU GR FG NB XTFCL V1	190 W
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	190 W

Temperature

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
919515812645	BY415P LED190S CW PSU GR FG NB XTFCL V1	0 to +45 °C
919515812646	BY415P LED190S CW PSU GR FG WB XTFCL V1	0 to +45 °C
919515812648	BY415P LED165S CW PSD GR FG NB V1	0 to +50 °C
919515812649	BY415P LED165S CW PSD GR FG WB V1	0 to +50 °C
919515812650	BY415P LED190S CW PSD GR FG NB V1	0 to +50 °C
919515812651	BY415P LED190S CW PSD GR FG WB 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

Order Code	Full Product Name	Ambient temperature range
919515812770	BY415P LED145S CW PSD GR FG NB V1	0 to +50 °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
919515813041	BY416P LED260S CW SY20 FG PSU GR	0 to +50 °C
919515813042	BY416P LED230S CW SK60 FG PSU GR	0 to +50 °C
919515813043	BY416P LED230S CW SY20 FG PSU GR	0 to +50 °C
919515813185	BY416P LED280S CW GR SY20 FG NI	0 to +50 °C
919515813186	BY416P LED280S CW GR SK60 FG NI	0 to +50 °C
919515813261	BY415P LED275S CW PSU GR FG NB XTFCL V1	0 to +50 °C
919515813262	BY415P LED275S CW PSU GR FG WB XTFCL V1	0 to +50 °C
919515813263	BY415P LED240S CW PSU GR FG NB XTFCL V1	0 to +50 °C
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	0 to +50 °C

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
919515812645	BY415P LED190S CW PSU GR FG NB XTFCL V1	No
919515812646	BY415P LED190S CW PSU GR FG WB XTFCL V1	No
919515812648	BY415P LED165S CW PSD GR FG NB V1	Yes
919515812649	BY415P LED165S CW PSD GR FG WB V1	Yes
919515812650	BY415P LED190S CW PSD GR FG NB V1	Yes
919515812651	BY415P LED190S CW PSD GR FG WB V1	Yes
919515812768	BY415P LED145S CW PSU GR FG NB XTFCL V1	No
919515812769	BY415P LED145S CW PSU GR FG WB XTFCL V1	No
919515812770	BY415P LED145S CW PSD GR FG NB V1	Yes

Order Code	Full Product Name	Dimmable
919515812771	BY415P LED145S CW PSD GR FG WB V1	Yes
919515813040	BY416P LED260S CW SK60 FG PSU GR	Yes
919515813041	BY416P LED260S CW SY20 FG PSU GR	Yes
919515813042	BY416P LED230S CW SK60 FG PSU GR	Yes
919515813043	BY416P LED230S CW SY20 FG PSU GR	Yes
919515813185	BY416P LED280S CW GR SY20 FG NI	Yes
919515813186	BY416P LED280S CW GR SK60 FG NI	Yes
919515813261	BY415P LED275S CW PSU GR FG NB XTFCL V1	Yes
919515813262	BY415P LED275S CW PSU GR FG WB XTFCL V1	Yes
919515813263	BY415P LED240S CW PSU GR FG NB XTFCL V1	Yes
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	Yes

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