



Robust and Superior aesthetics Circular Highbay suitable for versatile applications

Maxoled Highbay

Maxoled LED highbay is a luminaire designed to provide uninterrupted 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

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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°), Wide Beam (WB; 110°), Symmetric (SY20°), Symmetric (SK60°)
- 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

Versions



Maxoled_Highbay-BY415P_416P

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Approval and Application

Mech. impact protection code	IK08
Ingress protection code	IP65

Operating and Electrical

Input Voltage	120 to 277 V
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General Information

Protection class IEC	Safety class I
Optical cover/lens type	Tempered glass
Flammability mark	For mounting on normally flammable surfaces

Initial Performance (IEC Compliant)

Initial chromaticity	<5
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Mechanical and Housing

Color	Gray
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Application Conditions

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

General Information

Order Code	Full Product Name	Beam angle		Optic type	Order Code	Full Product Name	Beam angle		Optic type
		of light source	Driver included				of light source	Driver included	
919515812643	BY415P LED165S CW PSU GR FG NB XTFCL V1	60 °	Yes	Beam angle 60°	919515812646	BY415P LED190S CW PSU GR FG WB XTFCL V1	110 °	Yes	Beam angle 110°
919515812644	BY415P LED165S CW PSU GR FG WB XTFCL V1	110 °	Yes	Beam angle 110°	919515812648	BY415P LED165S CW PSD GR FG NB V1	60 °	Yes	Beam angle 60°
919515812645	BY415P LED190S CW PSU GR FG NB XTFCL V1	60 °	Yes	Beam angle 60°	919515812649	BY415P LED165S CW PSD GR FG WB V1	110 °	Yes	Beam angle 110°

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Order Code	Full Product Name	Beam angle		
		of light source	Driver included	Optic type
919515812650	BY415P LED190S CW PSD GR FG NB V1	60 °	Yes	Beam angle 60°
919515812651	BY415P LED190S CW PSD GR FG WB V1	110 °	Yes	Beam angle 110°
919515812768	BY415P LED145S CW PSU GR FG NB XTFCL V1	60 °	Yes	Beam angle 60°
919515812769	BY415P LED145S CW PSU GR FG WB XTFCL V1	110 °	Yes	Beam angle 110°
919515812770	BY415P LED145S CW PSD GR FG NB V1	60 °	Yes	Beam angle 60°
919515812771	BY415P LED145S CW PSD GR FG WB V1	110 °	Yes	Beam angle 110°
919515813040	BY416P LED260S CW SK60 FG PSU GR	60 °	Yes	Beam angle 60°
919515813041	BY416P LED260S CW SY20 FG PSU GR	20 °	Yes	Beam angle 20°

Order Code	Full Product Name	Beam angle		
		of light source	Driver included	Optic type
919515813042	BY416P LED230S CW SK60 FG PSU GR	60 °	Yes	Beam angle 60°
919515813043	BY416P LED230S CW SY20 FG PSU GR	20 °	Yes	Beam angle 20°
919515813185	BY416P LED280S CW GR SY20 FG NI	20 °	No	Beam angle 20°
919515813186	BY416P LED280S CW GR SK60 FG NI	60 °	No	Beam angle 60°
919515813261	BY415P LED275S CW PSU GR FG NB XTFCL V1	60 °	Yes	Beam angle 60°
919515813262	BY415P LED275S CW PSU GR FG WB XTFCL V1	110 °	Yes	Beam angle 110°
919515813263	BY415P LED240S CW PSU GR FG NB XTFCL V1	60 °	Yes	Beam angle 60°
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	110 °	Yes	Beam angle 110°

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Init. Corr.	Init. Color	Initial LED	Initial
		Color Temperature	Rendering Index	luminaire efficacy	luminous flux
919515812643	BY415P LED165S CW PSU GR FG NB XTFCL V1	6500 K	>80	122 lm/W	16500 lm
919515812644	BY415P LED165S CW PSU GR FG WB XTFCL V1	6500 K	>80	122 lm/W	16500 lm
919515812645	BY415P LED190S CW PSU GR FG NB XTFCL V1	6500 K	>80	127 lm/W	19000 lm
919515812646	BY415P LED190S CW PSU GR FG WB XTFCL V1	6500 K	>80	127 lm/W	19000 lm
919515812648	BY415P LED165S CW PSD GR FG NB V1	6500 K	>80	122 lm/W	16500 lm
919515812649	BY415P LED165S CW PSD GR FG WB V1	6500 K	>80	122 lm/W	16500 lm
919515812650	BY415P LED190S CW PSD GR FG NB V1	6500 K	>80	127 lm/W	19000 lm
919515812651	BY415P LED190S CW PSD GR FG WB V1	6500 K	>80	127 lm/W	19000 lm

Order Code	Full Product Name	Init. Corr.	Init. Color	Initial LED	Initial
		Color Temperature	Rendering Index	luminaire efficacy	luminous flux
919515812768	BY415P LED145S CW PSU GR FG NB XTFCL V1	6500 K	>80	125 lm/W	15000 lm
919515812769	BY415P LED145S CW PSU GR FG WB XTFCL V1	6500 K	>80	125 lm/W	15000 lm
919515812770	BY415P LED145S CW PSD GR FG NB V1	6500 K	>80	125 lm/W	15000 lm
919515812771	BY415P LED145S CW PSD GR FG WB V1	6500 K	>80	125 lm/W	15000 lm
919515813040	BY416P LED260S CW SK60 FG PSU GR	5700 K	>70	127 lm/W	26000 lm
919515813041	BY416P LED260S CW SY20 FG PSU GR	5700 K	>70	127 lm/W	26000 lm
919515813042	BY416P LED230S CW SK60 FG PSU GR	5700 K	>70	128 lm/W	23000 lm
919515813043	BY416P LED230S CW SY20 FG PSU GR	5700 K	>70	128 lm/W	23000 lm

Maxoled Highbay

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial LED luminaire efficacy	Initial luminous flux
919515813185	BY416P LED280S CW GR SY20 FG NI	5700 K	>70	127 lm/W	28500 lm
919515813186	BY416P LED280S CW GR SK60 FG NI	6500 K	>70	127 lm/W	28500 lm
919515813261	BY415P LED275S CW PSU GR FG NB XTFCL V1	6500 K	>80	127 lm/W	28000 lm
919515813262	BY415P LED275S CW	6500 K	>80	127 lm/W	28000 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial LED luminaire efficacy	Initial luminous flux
	PSU GR FG WB XTFCL V1				
919515813263	BY415P LED240S CW PSU GR FG NB XTFCL V1	6500 K	>80	129 lm/W	24500 lm
919515813264	BY415P LED240S CW PSU GR FG WB XTFCL V1	6500 K	>80	129 lm/W	24500 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
919515812643	BY415P LED165S CW PSU GR FG NB XTFCL V1	135 W
919515812644	BY415P LED165S CW PSU GR FG WB XTFCL V1	135 W
919515812645	BY415P LED190S CW PSU GR FG NB XTFCL V1	150 W
919515812646	BY415P LED190S CW PSU GR FG WB XTFCL V1	150 W
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

Order Code	Full Product Name	Initial input power
919515812771	BY415P LED145S CW PSD GR FG WB V1	120 W
919515813040	BY416P LED260S CW SK60 FG PSU GR	205 W
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

