PHILIPS

DuraLED Highbay

7486321



An Energy efficient Well Glass for Industrial and commercial application

Philips DuraLED Highbay is a functional lighting by combining cost-efficiency with clean design. Following the success of Maxolid family, DuraLED Highbay comes as a big surprise gift for industrial Highbay lighting solution with desirable preposition that offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and less maintenance – from a trusted manufacturer. At the same time, it delivers clear benefits for the installer too. The luminaire can be installed on the existing grid. Electrical connection is straightforward: there is no need to open the luminaire for installation. DuraLED Highbay is a perfect LED replacement for HPI 250/400W luminaires, allowing you to bright up your warehouses, assembly lines, supermarkets, and sports recreational spaces in a smarter way. This highbay improves the total cost of ownership and provides optionally DALI dimming for even further savings.

Benefits

- Suitable for use in harsh Industrial environment
- Outstanding energy efficiency leads to lowering ROI
- Comfortable & Uniform Light provides ease of mind to users
- High quality material and design leads to longer life class for luminaire
- Light in weight and easy to handle
- Suitable for wider range of applications

Applications

- Manufacturing
- Warehouses
- Airports
- Sports Arena
- Supermarkets

Features

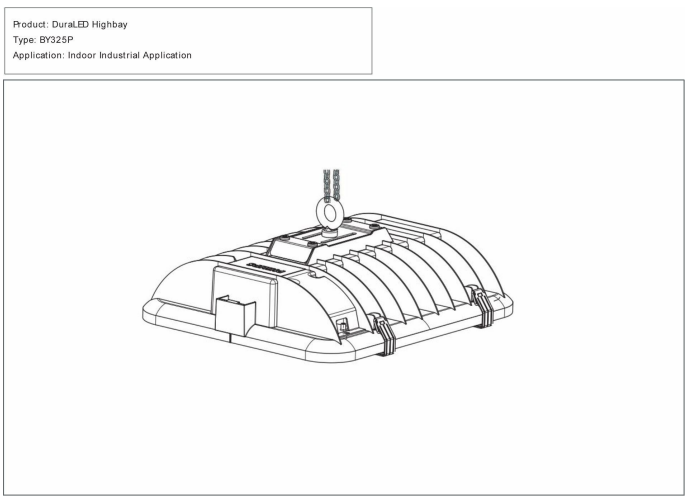
- Ingress Protection -IP65
- Impact Resistance IK08
- Inbuilt encapsulated Potted Driver
- Designed for operations under diverse environment from 0˚C to 45˚C
- Life class is 50000 hours (L70B50 @ Ta45˚C)
- Tempered glass cover provides strong protection from high pollution
- Pressure die-cast housing offers excellent corrosion-resistance and robustness
- System efficiency >125 lm/W
- System lumen 10000lm, 13000lm, 16000lm, & 20000lm options
- Four Beam Angles Narrow Beam (NB; 60^0), Wide Beam (WB; 110^0)
- Four lumen choices with two optics: Suitable for 8 to 20-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



BY325P

Dimensional drawing



BY325P

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	IP66 [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
Ambient temperature range	0 to +45 °C

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
919515812399	BY326P LED144S CW PSU HE GR SK60 FG S5	14,500 lm	5700 K	120 lm/W	>70	30 degree(s)	Beam angle 60°
919515812635	BY325P LED100S CW PSU GR FG NB XTFCL V1	10,000 lm	6500 K	125 lm/W	>80	30 degree(s)	Beam angle 60°
919515812637	BY325P LED130S CW PSU GR FG NB XTFCL V1	13,000 lm	6500 K	125 lm/W	>80	30 degree(s)	Beam angle 60°
919515812639	BY325P LED160S CW PSU GR FG NB XTFCL V1	16,000 lm	6500 K	125 lm/W	>80	30 degree(s)	Beam angle 60°
919515812640	BY325P LED160S CW PSU GR FG WB XTFCL V1	16,000 lm	6500 K	125 lm/W	>80	55 degree(s)	Beam angle 110°
919515812642	BY325P LED195S CW PSU GR FG WB XTFCL V1	20,000 lm	6500 K	125 lm/W	>80	55 degree(s)	Beam angle 110°
919515812772	BY325P LED100S CW PSU GR FG NB V1 LILO	10,000 lm	6500 K	125 lm/W	>80	30 degree(s)	Beam angle 60°
919515812777	BY325P LED160S CW PSU GR FG WB V1 LILO	16,000 lm	6500 K	125 lm/W	>80	55 degree(s)	Beam angle 110°
919515812836	BY325P LED160S CW PSD GR FG NB V1	16,000 lm	6500 K	125 lm/W	>80	30 degree(s)	Beam angle 60°
919515812837	BY325P LED160S CW PSD GR FG WB V1	16,000 lm	6500 K	125 lm/W	>80	55 degree(s)	Beam angle 110°
919615810936	BY326P P LED120S CW PSU HO GR SY110 FG S	12,000 lm	5700 K	110 lm/W	>70	55 degree(s)	Beam angle 110°

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
919615810937	BY326P P LED144S CW PSU HE GR SK60 FG S5	14,500 lm	5700 K	120 lm/W	>70	30 degree(s)	Beam angle 60°
919615811081	BY326P P LED144S CW PSU HE GR SY20 FG S5	14,500 lm	5700 K	120 lm/W	>70	10 degree(s)	Beam angle 20°

Operating and Electrical

Order Code	Full Product Name	Power Consumption
919515812399	BY326P LED144S CW PSU HE GR SK60 FG S5	126 W
919515812635	BY325P LED100S CW PSU GR FG NB XTFCL V1	80 W
919515812637	BY325P LED130S CW PSU GR FG NB XTFCL V1	105 W
919515812639	BY325P LED160S CW PSU GR FG NB XTFCL V1	132 W
919515812640	BY325P LED160S CW PSU GR FG WB XTFCL V1	132 W
919515812642	BY325P LED195S CW PSU GR FG WB XTFCL V1	160 W
919515812772	BY325P LED100S CW PSU GR FG NB V1 LILO	80 W
919515812777	BY325P LED160S CW PSU GR FG WB V1 LILO	132 W
919515812836	BY325P LED160S CW PSD GR FG NB V1	132 W
919515812837	BY325P LED160S CW PSD GR FG WB V1	132 W
919615810936	BY326P P LED120S CW PSU HO GR SY110 FG S	105 W
919615810937	BY326P P LED144S CW PSU HE GR SK60 FG S5	126 W
919615811081	BY326P P LED144S CW PSU HE GR SY20 FG S5	126 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
919515812399	BY326P LED144S CW PSU HE GR SK60 FG S5	No
919515812635	BY325P LED100S CW PSU GR FG NB XTFCL V1	No
919515812637	BY325P LED130S CW PSU GR FG NB XTFCL V1	No
919515812639	BY325P LED160S CW PSU GR FG NB XTFCL V1	No
919515812640	BY325P LED160S CW PSU GR FG WB XTFCL V1	No
919515812642	BY325P LED195S CW PSU GR FG WB XTFCL V1	No
919515812772	BY325P LED100S CW PSU GR FG NB V1 LILO	No
919515812777	BY325P LED160S CW PSU GR FG WB V1 LILO	No
919515812836	BY325P LED160S CW PSD GR FG NB V1	Yes
919515812837	BY325P LED160S CW PSD GR FG WB V1	Yes
919615810936	BY326P P LED120S CW PSU HO GR SY110 FG S	No
919615810937	BY326P P LED144S CW PSU HE GR SK60 FG S5	No
919615811081	BY326P P LED144S CW PSU HE GR SY20 FG S5	No

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