



CoreLine High-bay – superior light quality and lower energy and maintenance costs

CoreLine Highbay

Following the successful introduction of the CoreLine High-bay in 2013, the upgrade to a new generation of LEDs has further improved color rendering and total cost of ownership. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and 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 or servicing. And being smaller and lighter than conventional luminaires, it is very easy to handle.

Benefits

- Simple point-to-point replacement for 250 and 400 W HPI high-bay luminaires
- Energy savings of over 50%
- Significant reduction in maintenance

Features

- High efficiency: 105 lumens per watt
- Consistent color rendering (CRI = 80) in compliance with EN-12464-1
- Lifetime of 50,000 hours

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Application

- Industry
- Warehouses

- Exhibition halls

Specifications

• Type	BY120P (10,500 lm version) BY121P (20,500 lm version)	• Average ambient temperature	25°C
• Light source	Non-replaceable LED module	• Operating temperature range	-30 to +40°C
• Power (+/-10%)	85 W (BY120P) 155 W (BY121P)	• Driver	Built-in
• Beam angle	2 x 50°	• Mains voltage	230 V/50-60 Hz
• Luminous flux	10,500 lm (BY120P) 20,500 lm (BY121P)	• Dimming	Non-dimming
• Correlated Colour Temperature	4,000 K	• Material	Housing: die-cast aluminium Cover: polycarbonate, flat
• Colour Rendering Index	≥80	• Colour	Grey (RAL 7035)
• Median useful life L70B50	50,000 hours	• Connection	External IP65 push-in connector
• Median useful life L80B50	30,000 hours	• Maintenance	No internal cleaning required
• Median useful life L90B50	15,000 hours	• Installation	Hook/asymmetric mounting bracket Through-wiring not possible Installation without removing lamp and cover

Related products

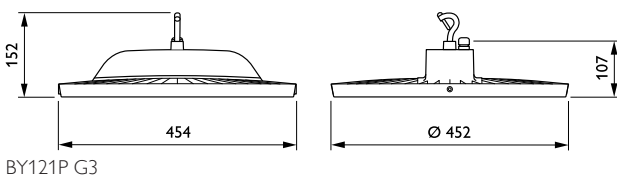


CoreLine High-bay gen3 BY120P
luminaire

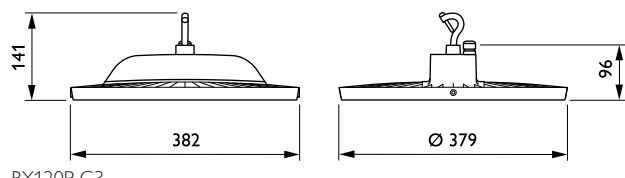


CoreLine High-bay gen3 BY121P
luminaire

Dimensional drawing



BY121P G3

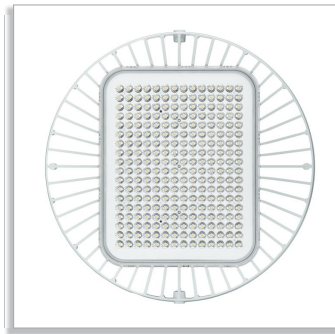


BY120P G3

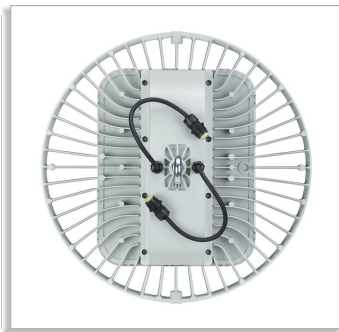
Product details



CoreLine_Highbay_gen3-BY121P_PSU-DP03



CoreLine_Highbay_gen3-BY121P-DP01



CoreLine_Highbay_gen3-BY121P_PSD-DP02



CoreLine_Highbay_gen3-BY121P_PSD-DP04



CoreLine_Highbay_gen3-BY121P_PSD-DP05



CoreLine_Highbay_gen3-BY121P_PSD-DP06

General Information

order code	Driver included	Lamp family code	Light source replaceable	Optic type
30144000	Yes	LED105S	No	WB
30146400	Yes	LED105S	No	WB
30145700	Yes	LED205S	No	WB
30147100	Yes	LED205S	No	WB

Operating and Electrical

order code	Input Voltage
30144000	200 to 240
30146400	200 to 240
30145700	200 to 240
30147100	200 to 240

Initial Performance (IEC Compliant)

order code	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
30144000	4000 K	≥80	10500
30146400	4000 K	≥80	10500
30145700	4000 K	≥80	20500
30147100	4000 K	≥80	20500

Mechanical and Housing

order code	Color
30144000	Grey
30146400	Grey
30145700	Grey
30147100	Grey

Accessories

**BY120Z G3 MB**

Mounting bracket

Accessories

order code	Description	
30148800	BY120Z G3 MB	Generation 3 - Mounting bracket



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