



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

Application

- Industry
- Warehouses
- Exhibition halls

CoreLine Highbay

Specifications

Type	BY120P (10,500 lm version)
	BY121P (20,500 lm version)
Light source	Non-replaceable LED module
Power (+/-10%)	85 W (BY120P)
	155 W (BY121P)
Beam angle	2 x 50°
Luminous flux	10,500 lm (BY120P)
	20,500 lm (BY121P)
Correlated Color Temperature	4000 K
Color Rendering Index	≥80
Lumen maintenance at median useful life*	L70
50000 h	
Control gear failure rate at median useful life	5%
50000 h	

Performance Ambient Temperature Tq	+25 °C
Operating temperature range	-30 to +40 °C
Driver	Built-in
Mains voltage	230 V / 50-60 Hz
Dimming	Yes
Material	Housing: die-cast aluminum
	Cover: polycarbonate, flat
Color	Grey (RAL 7035)
Connection	External IP65 push-in connector
Maintenance	No internal cleaning required
Installation	Hook/asymmetric mounting bracket
	Through-wiring not possible
	Installation without removing lamp and cover

Versions



BY121P PIR

Product details

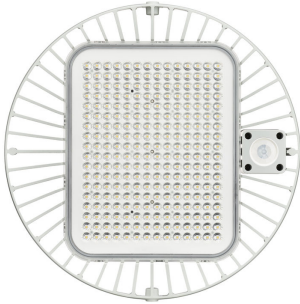


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CoreLine_Highbay_gen3-BY121P-PIR-2DPP.TIF

Product details



CoreLine_Highbay_gen3-BY121P-
PIR-3DPP.TIF

Application Conditions

Ambient temperature range	-30 to +45 °C
Maximum dim level	25%
Suitable for random switching	Yes

Approval and Application

Mech. impact protection code	IK07
Ingress protection code	IP65

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	220 to 240 V
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General Information

Beam angle of light source	- °
CE mark	CE mark
Protection class IEC	Safety class I (I)
Optical cover/lens type	PC
Driver included	Yes
ENEC mark	-
Flammability mark	F
Glow-wire test	650/5
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Optic type	WB
Service tag	Yes

Initial Performance (IEC Compliant)

Initial chromaticy	(0.38, 0.38) SDCM <5
Init. Color Rendering Index	≥80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Color	Gray
Diameter	-

General Information

Order Code	Full Product Name	Lamp family code
31716800	BY120P G3 LED105S/840 PIR WB GR	LED105S
31714400	BY121P G3 LED205S/840 PIR WB GR	LED205S
31715100	BY121P G3 LED205S/865 PIR WB GR	LED205S
31717500	BY120P G3 LED105S/865 PIR WB GR	LED105S

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux	Initial input power	Order Code	Full Product Name	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
31716800	BY120P G3 LED105S/840 PIR WB GR	4000 K	129 lm/W	10500 lm	85 W	31715100	BY121P G3 LED205S/865 PIR WB GR	6500 K	130 lm/W	20500 lm	155 W
31714400	BY121P G3 LED205S/840 PIR WB GR	4000 K	130 lm/W	20500 lm	155 W	31717500	BY120P G3 LED105S/865 PIR WB GR	6500 K	125 lm/W	10500 lm	85 W

