

CoreLine Highbay

BY120P G2 LED105S/840 PSU WB GR



BY120P - LED Module, system flux 10,500 lm - Power supply unit - Wide beam

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.

Product data

• General information

Product family code	BY120P [BY120P]
Product family code extension	G2 [Generation 2]
Number of light sources	1 [1 pc]
Lamp family code	LED105S [LED Module, system flux 10,500 lm]
Lamp colour code	840 [840 white]
Light source replaceable	No [No]
Driver/power unit/transformer	PSU [Power supply unit]
Driver included	Yes [Yes]
Optic type	WB [Wide beam]
Optical cover/lens type	FG [Flat glass]
Dimmable	No [No]
Connection	PI [Push-in connector 3-pole]
Cable	C250PI [Cord 0.25 m with push-in connector]
Protection class IEC	CLI [Safety class I]
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Colour	GR [Grey]
Standard RAL colour	RAL7035 [Light Grey]
Glow-wire test	650/5 [Temperature 650 °C, duration 5 s]
Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	CE [CE mark]

• Electrical

Input voltage	220-240 V [220 to 240 V]
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Input frequency	50-60 Hz [50 to 60 Hz]
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• Mechanical

Housing material	ALU [Aluminium]
Optic material	PMMA [Polymethyl methacrylate]
Optical cover/lens material	GTL [Laminated tempered glass]

• Initial perform. (IEC compliant)

Initial input power	100 W [100 W]
Initial luminous flux	10500 Lm
Initial LED luminaire efficacy	105 Lm/W
Lamp colour temperature	4000 [4000 K]
Initial chromaticity	(0.38, 0.38) SDCM <5

• Over time perform. (IEC compliant)

Median useful life L90B50	25000 hr
Median useful life L80B50	50000 hr
Driver failure rate at 5000 h	1 %

• Application conditions

Average ambient temperature	T25 [+25 °C]
Ambient temperature range	-30 to +40°C [-30 to +40 °C]
Maximum dim level	- [Not applicable]
Suitable for random switching	No [No]

PHILIPS

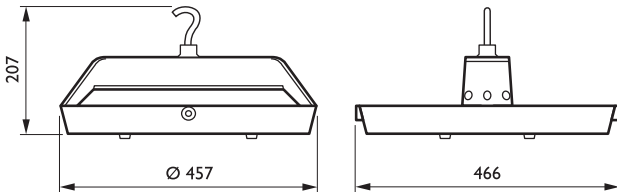
Product Data

Order code 296050 00
 Full product code 871016329605000
 Full product name BY120P G2 LED105S/840 PSU WB GR
 Order product name BY120P G2 LED105S/840 PSU WB GR
 Pieces per pack 1
 Packs per outerbox 1

Bar code on pack - EAN1 8710163296050
 Bar code on outerbox - EAN3 8710163296050
 Logistic code(s) - 12NC 911401578211
 Net weight per piece 7.000 kg

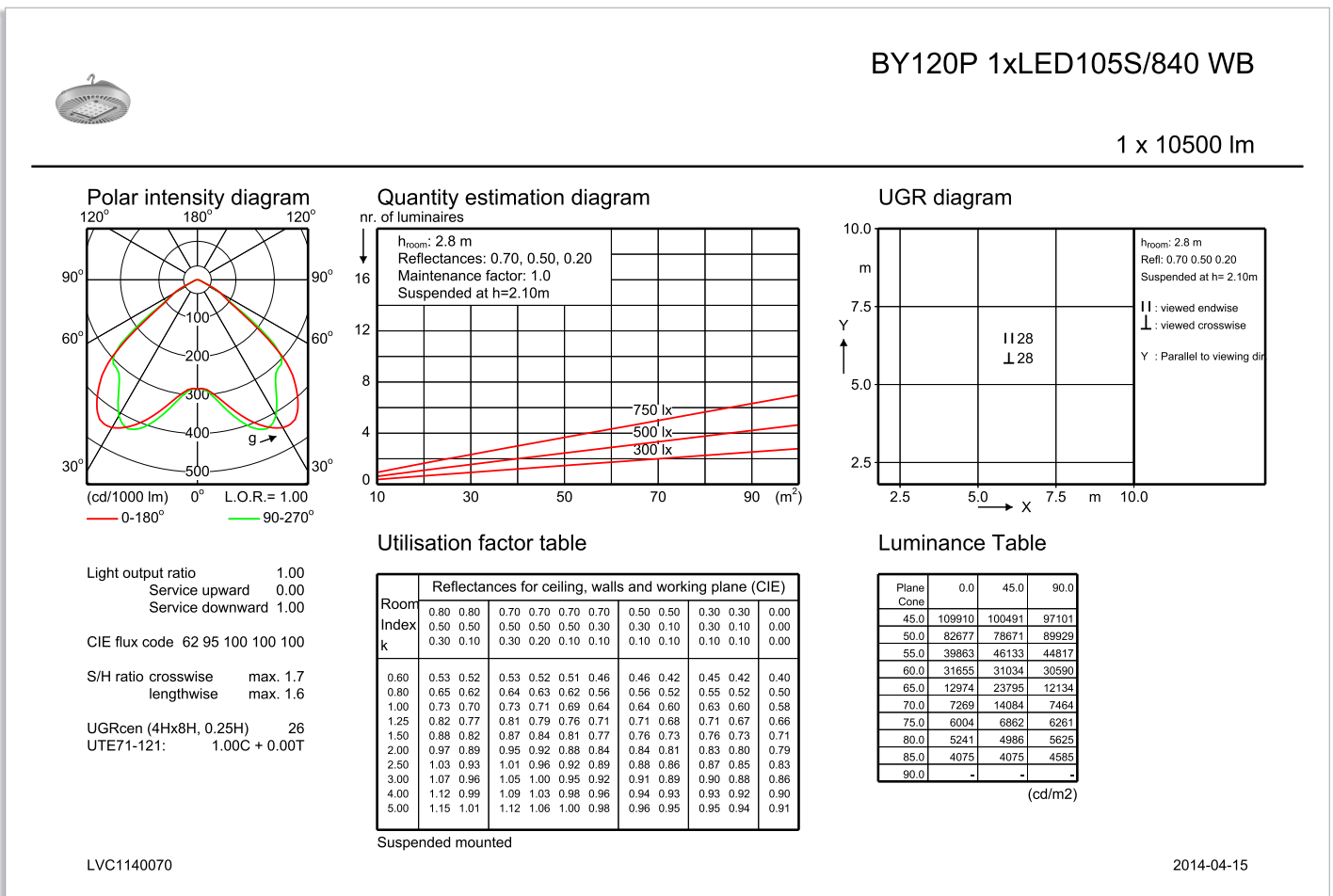


Dimensional drawing



BY120P G2 LED105S/840 PSU WB GR

Photometric data



LVC1140070

2014-04-15

BY120P 1xLED105S/840 WB



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www.philips.com/lighting

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data subject to change