

Lighting

PHILIPS

CoreLine Highbay Gen5

BY122P G5 LED250S/840 PSD WB

CoreLine Highbay Gen5, 168 W, 25000 lm, 4000 K, DALI, Wide beam, IP65, IK08

CoreLine Highbay Gen5 delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. A reliable, highly-efficient luminaire with a very longlifetime, it delivers great energy savings and requires less maintenance. At the same time, CoreLine Highbay is very easy to handle. The luminaire can be installed on your existing grid and the electrical connection is a straightforward task, with no need to open the luminaire and an external IP65 connector. With a choice of two beam angles: narrow and wide beam, you can adjust your lighting plan to suit your exact needs. This range also includes Interact Ready luminaires with integrated wireless communications and integrated movement and daylight sensors. So CoreLine Highbay Gen5 is ready to be used with any Interact connected lighting system.

Product data

No	
2 units	-
Yes	-
Yes	-
LED	
Performance	
5 years	
-	
	2 units Yes Yes LED Performance

Light Technical	
Luminous Flux	25,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	85° x 85°

CoreLine Highbay Gen5

Driver/power unit/transformer

Control interface

DALI Standard

Constant light output

Maximum dim level

Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	60 A
Inrush time	0.6 ms
Power Consumption	168 W
Power Factor (Fraction)	0.95
Connection	Connection unit 3-pole
Cable	Cable 0.3 m with connector 3-pole
Number of products on MCB of 16 A type B	6
Suitable for random switching	Yes
Protection class IEC	Safety class I
Total harmonic distortion	15 %
Controls and Dimming	
Dimmable	Yes

DALI

DALI-2™

No

20%

Power supply unit with DALI interface

Thotobiotogical tisk	Therebiological han group T @200111
	to EN62778
Photobiological risk specification	18.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 ℃
Flickering value (PstLM) - Flickering value as	0.5
per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	1
Ambient temperature range	-30 to +50 °C
Initial Porformance (IEC Compliant)	
Initial Performance (IEC Compliant)	. / 10%
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.385, 0.380) SDCM<5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching	SDCM≤5
(McAdam ellipse)	
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life	5 %
50000 h	
Control gear failure rate at median useful life	
100000 h	10 %
100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at	10 % L85
Lumen maintenance (EN-IEC 62722-2-1) at	
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L85
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Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L85
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Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Product Data Order product name	L85 L75 BY122P G5 LED250S/840 PSD WB
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h Product Data Order product name Full product name	L85 L75 BY122P G5 LED250S/840 PSD WB BY122P G5 LED250S/840 PSD WB
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Yes

ENEC mark

Photobiological risk group 1@200mm

Mechanical and Housing Housing Material Aluminum die-cast **Reflector material** Optic material Polycarbonate Optical cover material Polycarbonate Fixation material _ Housing Color Grey Optical cover finish Clear Overall length 393 mm Overall height 126 mm Overall diameter 393 mm Ingress protection code IP65 [Dust penetration-protected, jetproof] IK08 [5 J vandal-protected] Mech. impact protection code Net Weight (Piece) 6.290 kg

Approval and Application Glow-wire test Temperature 650 °C, duration 30 s Flammability mark For mounting on normally flammable surfaces

EAN/UPC - Product/Case

EAN/UPC - Case

Numerator - Packs per outer box

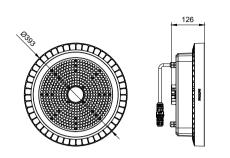
CE mark

ENEC mark

Photobiological risk

CoreLine Highbay Gen5

Dimensional drawing





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