

# Lighting

**PHILIPS** 

# CoreLine Highbay Gen5

# BY122P G5 LED250S/840 PSD NB

CoreLine Highbay Gen5, 168 W, 25000 lumen, 4000 K, DALI, Narrow 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**

General Information	
Light source replaceable	No
CE mark	Yes
Number of gear units	2 units
Driver included	Yes
Flammability mark	For mounting on normally flammable
Flammability mark	For mounting on normally flammable surfaces
Flammability markGlow-wire test	с ,
	surfaces
Glow-wire test	surfaces Temperature 650 °C, duration 30 s

ENEC mark	ENEC mark
EU RoHS compliant	Yes
Application Conditions	
Maximum dim level	20%
Performance ambient temperature Tq	35 ℃
Suitable for random switching	Yes
Light Technical	
Luminous Flux	25,000 lumen

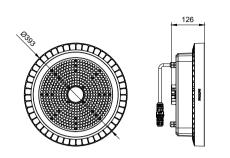
## **CoreLine Highbay Gen5**

Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	0.5
Stroboscopic effect value (SVM)	1
Light source color	840 neutral white
Optic type	Narrow beam
Luminaire light beam spread	55°
Unified glare rating CEN	22
Operating and Electrical	
Line Frequency	50 or 60 Hz
Input Voltage	220 to 240 V
Inrush current	60 A
Inrush time	600 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
Temperature	
Ambient temperature range	-30 to +50 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum die-cast
Reflector material	_
- · · · · ·	
Optic material	Polycarbonate
Optic material Optical cover/lens material	Polycarbonate Polycarbonate
Optical cover/lens material	
Optical cover/lens material Fixation material	Polycarbonate -
Optical cover/lens material Fixation material Housing Color	Polycarbonate - Gray

Overall height	126 mm
Overall diameter	393 mm
Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-
	proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1@200mm to
	EN62778
Photobiological risk specification	18.2 m
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.385, 0.380) SDCM<5
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life	5 %
50000 h	
Control gear failure rate at median useful life	
	10 %
100000 h	
Lumen maintenance at median useful life*	10 % L85
Lumen maintenance at median useful life* 50000 h	L85
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life*	
Lumen maintenance at median useful life* 50000 h	L85
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life*	L85
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h	L85
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data	L85 L75
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data Full product code	L85 L75 871951495586800
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data Full product code Order product name	L85 L75 871951495586800 BY122P G5 LED250S/840 PSD NB
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data Full product code Order product name EAN/UPC - Product	L85 L75 871951495586800 BY122P G5 LED250S/840 PSD NB 8719514955868
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data Full product code Order product name EAN/UPC - Product Order code	L85 L75 871951495586800 BY122P G5 LED250S/840 PSD NB 8719514955868 911401631208
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data Full product code Order product name EAN/UPC - Product Order code Numerator - Quantity Per Pack	L85 L75 871951495586800 BY122P G5 LED2505/840 PSD NB 8719514955868 911401631208 1
Lumen maintenance at median useful life* 50000 h Lumen maintenance at median useful life* 100000 h Product Data Full product code Order product name EAN/UPC - Product Order code Numerator - Quantity Per Pack Numerator - Packs per outer box	L85 L75 871951495586800 BY122P G5 LED2505/840 PSD NB 8719514955868 911401631208 1

### **CoreLine Highbay Gen5**

#### Dimensional drawing





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