



CoreLine Highbay Gen5

BY122P G5 LED250S/840 PSU WB

CoreLine Highbay Gen5, 144 W, 25000 lm, 4000 K, Wide beam, IP65, IK08

Aluminium die-cast, Grey, Power supply unit (On/Off), 25000 lm, 144 W, 174 lm/W, 4000 K, (0.385, 0.380) SDCM<5, Wide beam, Clear, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, Connection unit 3-pole

Product data

General Information		Luminaire light beam spread	
Light source replaceable	No		85° x 85°
Number of gear units	Unit	Unified Glare Rating (CEN)	25
Driver included	Yes	Operating and Electrical	
Service Tag	Yes	Input Voltage	220 to 240 V
Lighting Technology	LED	Line Frequency	50 or 60 Hz
Value ladder	Performance	Inrush current	54 A
Warranty period	5 years	Inrush time	0.75 ms
Light Technical		Power Consumption	144 W
Luminous Flux	25,000 lm	Power Factor (Fraction)	0.95
Saturated Red (R9)	<50	Connection	Connection unit 3-pole
Correlated Colour Temperature (Nom)	4000 K	Cable	Cable 0.3 m with connector 3-pole
Luminous efficacy (rated) (nom.)	174 lm/W	Number of products on MCB (16 A type B)	6
Colour rendering index (CRI)	>80	Suitable for random switching	Yes
Light source colour	840 neutral white	Protection class IEC	Safety class I
Optic type	Wide beam	Total harmonic distortion	15 %

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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

Mechanical and Housing

Housing material	Aluminium die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Colour	Grey
Optical cover/lens finish	Clear
Overall length	393 mm
Overall height	99 mm
Overall diameter	393 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Net Weight (Piece)	4.190 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	18.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 °C
Flickering value (PstLM)	0.5
Stroboscopic effect	1
Ambient temperature range	-30 to +50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.385, 0.380) SDCM<5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L85
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L75

Sustainability Data

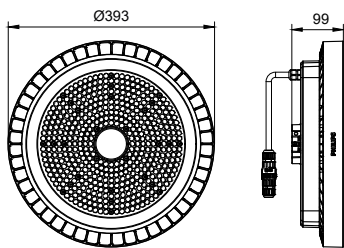
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	93.4 kg CO _{2e}
Product non-virgin material ratio	6.17 %
Recyclable the content ratio of the finished product	55.7 %
GWP total B6 (kg CO _{2eq}) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kWh)
GWP total B6 (kg CO _{2eq}) Functional Unit	Please calculate using your local energy mix value: POWER DECLARED UNIT (kW) * 1000 (lm) / LUMEN OUTPUT DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO _{2 eq} / kWh)

Product Data

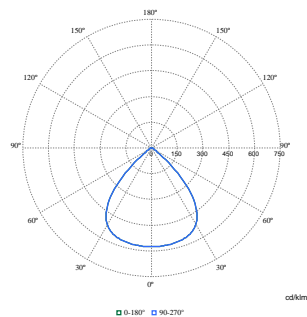
Order product name	BY122P G5 LED250S/840 PSU WB
Full product name	BY122P G5 LED250S/840 PSU WB
Full EOC	871951495583700
Order code	911401630908
Material no. (12 NC)	911401630908
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514955837
Numerator – packs per outer box	1
EAN/UPC – Case	8719514955837

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Dimensional drawing



Photometric data



Polar Normal (separate) - 911401630908

