



CoreLine Highbay Gen5

BY121P G5 LED200S/865 PSU WB

CoreLine Highbay Gen5, 121 W, 20500 lm, 6500 K, Wide beam, IP65, IK08

Aluminum die-cast, Grey, Power supply unit (On/Off), 20500 lm, 121 W, 169 lm/W, 6500 K, (0.316, 0.332) 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	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years
Light Technical	
Luminous Flux	20,500 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	169 lm/W
Color rendering index (CRI)	>80
Light source color	865 cool daylight
Optic type	Wide beam

Luminaire light beam spread	85° x 85°
Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	40 A
Inrush time	0.665 ms
Power Consumption	121 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 %

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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	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	Grey
Optical cover finish	Clear
Overall length	330 mm
Overall height	99 mm
Overall diameter	330 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Net Weight (Piece)	2.690 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) - Flickering value as per EN 61000-3-3	0.5
Stroboscopic effect visibility measure (SVM)	1
Ambient temperature range	-30 to +50 °C

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.316, 0.332) SDCM<5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

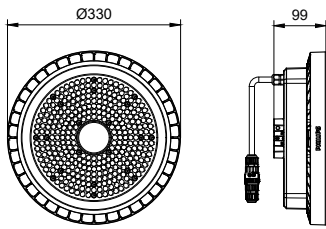
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L85
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L75

Sustainability Data	
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	62.3 kg CO _{2e}
Product non-virgin material ratio	6.64 %
Recyclable content ratio of the finished product	51.6 %
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 (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO _{2eq} / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

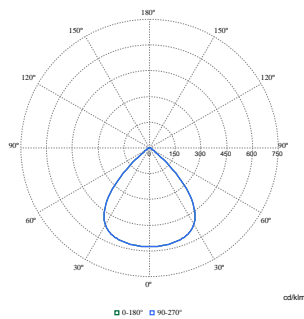
Product Data	
Order product name	BY121P G5 LED200S/865 PSU WB
Full product name	BY121P G5 LED200S/865 PSU WB
Full product code	871951495577600
Order code	911401630308
Material Nr. (12NC)	911401630308
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514955776
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514955776

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Dimensional drawing



Photometric data



Polar Normal (separate) - 911401630308

