



CoreLine Value Highbay

BY101P LED200S/840 PSU WB

CoreLine Value Highbay, 154 W, 20000 lm, 4000 K, Wide beam, IP65, IK06

Aluminium die-cast ADC1 – alloy grade (EN AC-47100), Gray, Power supply unit (On/Off), 20000 lm, 154 W, 129 lm/W, 4000 K, (0.385, 0.380) SDCM<5, Wide beam, Matte, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK06 | 1 J, 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	20,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	129 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Wide beam

Luminaire light beam spread	90°
Unified glare rating CEN	30
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	42 A
Inrush time	0.65 ms
Power Consumption	154 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	No
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

Mechanical and Housing	
Housing Material	Aluminium die-cast ADC1 – alloy grade (EN AC-47100)
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Gray
Optical cover finish	Matte
Overall height	99 mm
Overall diameter	305 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Net Weight (Piece)	2.300 kg

Approval and Application	
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-
CE mark	Yes
ENEC mark	-
Photobiological risk specification	0.4 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 °C
Ambient temperature range	-20 to +45 °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 50000 h	5 %

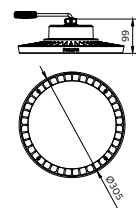
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L70
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Sustainability Data	
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	58.3 kg CO ₂ e
Product non-virgin material ratio	14.2 %
Recyclable content ratio of the finished product	65.5 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) 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 CO2 eq / 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

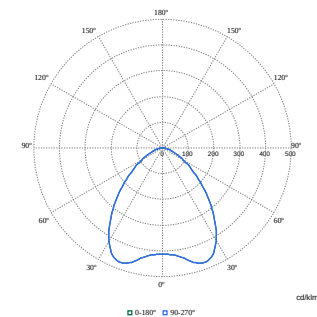
Product Data	
Order product name	BY101P LED200S/840 PSU WB
Full product name	BY101P LED200S/840 PSU WB
Full product code	871951452921200
Order code	52921200
Material Nr. (12NC)	911401646207
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514529212
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514529212

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Dimensional drawing



Photometric data



Polar Normal (separate) - 911401646207

