



# CoreLine Value Highbay

## BY101P LED200S/840 PSU WB

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

CoreLine Value High-bay is the right choice for projects where essential specification and ease of installation are key. It comes with a trusted, high light quality, good service lifetime, energy savings and less maintenance. CoreLine Value High-bay delivers clear benefits for the installer too. The luminaire can be installed on the existing grid, and electrical connection is straightforward – there is no need to open the luminaire for installation and the external IP65 connector makes things easy to handle. A selection of optional accessories are available, including reflectors and a bracket to further increase installation flexibility.

### Product data

General Information		Color rendering index (CRI)	
Light source replaceable	No		>80
Number of gear units	1 unit	Light source color	840 neutral white
Driver included	Yes	Optic type	Wide beam
Lighting Technology	LED	Luminaire light beam spread	90°
Value ladder	Performance	Unified glare rating CEN	30
Warranty period	5 years		
Light Technical		Operating and Electrical	
Luminous Flux	20,000 lm	Input Voltage	220 to 240 V
Saturated Red (R9)	<50	Line Frequency	50 or 60 Hz
Correlated Color Temperature (Nom)	4000 K	Inrush current	42 A
Luminous Efficacy (rated) (Nom)	129 lm/W	Inrush time	0.65 ms
		Power Consumption	154 W
		Power Factor (Fraction)	0.95

## CoreLine Value Highbay

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 %

### 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%
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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

### Sustainability Data

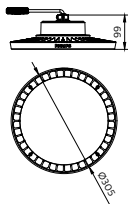
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	58.3 kg CO <sub>2e</sub>
Product non-virgin material ratio	14.2 %
Recyclable content ratio of the finished product	65.5 %
GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kWh)
GWP total B6 (kg CO <sub>2eq</sub> ) 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 <sub>2</sub> eq / kWh)

### Product Data

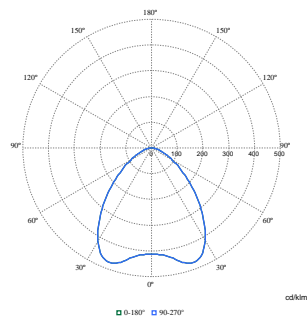
Order product name	BY101P LED200S/840 PSU WB
Full product name	BY101P LED200S/840 PSU WB
Full product code	871951452921200
Order code	911401646207
Material Nr. (12NC)	911401646207
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514529212
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514529212

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - 911401646207

