



# CoreLine Highbay gen6

## BY121P G6 LED300/UE840 PSU WB

CoreLine Highbay gen6, UltraEfficient, 155 W, 30000 lm, 4000 K, Beam angle 90°, IP66, IK08

Aluminium die cast, Grey, Basalt grey (RAL7012), Single layer powder coating, Bracket, Surface, Suspended, Power supply unit (On/Off), 30000 lm, 155 W, 193 lm/W, 4000 K, (0.3818,0.3797) SDCM < 5, Beam angle 90°, IP66 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, Screw connector

### Product data

General Information		Unified Glare Rating (CEN)	
Number of gear units	Unit		25
Driver included	Yes	<b>Operating and Electrical</b>	
Value ladder	Performance	Input Voltage	200 to 240 V
Warranty period	5 years	Line Frequency	50 to 60 Hz
<b>Light Technical</b>		Average CLO power consumption	- W
Luminous Flux	30,000 lm	Inrush current	91.5 A
Saturated Red (R9)	<50	Inrush time	0.128 ms
Correlated Colour Temperature (Nom)	4000 K	Power Consumption	155 W
Luminous efficacy (rated) (nom.)	193 lm/W	Power Factor (Fraction)	0.95
Colour rendering index (CRI)	>80	Connection	Screw connector
Beam angle of light source	120 degree(s)	Cable	Cable 0.3 m with connector 3-pole
Light source colour	840 neutral white	Number of products on MCB (16 A type B)	12
Optic type	Beam angle 90°	Suitable for random switching	Yes
Luminaire light beam spread	90°	Protection class IEC	Safety class I
		Feed-through wiring	-

# CoreLine Highbay gen6

Total harmonic distortion	10 %
---------------------------	------

## 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
Embedded control	-
Photocell	-

## Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	-
Fixation material	Aluminium
Housing Colour	Grey
Optical cover/lens finish	-
Reflector finish	-
Overall height	95 mm
Overall diameter	430 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Explosion hazard class	-
Mounting	Bracket Surface Suspended
Net Weight (Piece)	3.590 kg

## Emergency Operation

Central Emergency	No
-------------------	----

## Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @ 200mm to EN62471
Photobiological risk specification	4.9 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 °C
Flickering value (PstLM)	0.5
Stroboscopic effect	0.4
Ambient temperature range	-40 to +50 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
-------------------------	--------

Initial chromaticity	(0.3818,0.3797) 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 35,000 h	3.5 %
Control gear failure rate at median useful life 50,000 h	5 %
Control gear failure rate at median useful life 50,000 h	7.5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L70

## Sustainability Data

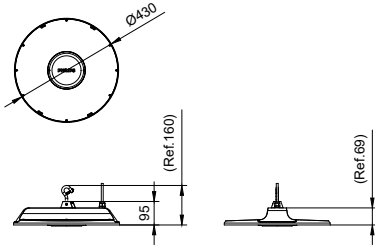
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	44 kg CO <sub>2</sub> e
Product non-virgin material ratio	45.5 %
Recyclable the content ratio of the finished product	49.3 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)
GWP total B6 (kg CO <sub>2</sub> eq) 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 <sub>2</sub> eq / kwh)

## Product Data

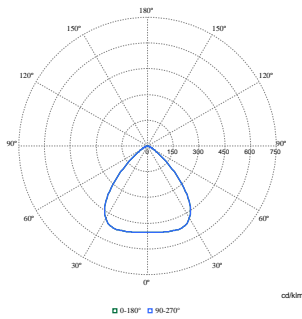
Order product name	BY121P G6 LED300/UE840 PSU WB
Full product name	BY121P G6 LED300/UE840 PSU WB
Full EOC	872110330644900
Order code	911401556245
Material no. (12 NC)	911401556245
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8721103306449
Numerator – packs per outer box	1
EAN/UPC - Case	8721103306449

# CoreLine Highbay gen6

## Dimensional drawing



## Photometric data



Polar Normal (separate) - 911401556245

