



# CoreLine Highbay gen6

## BY122X G6 LED400/840 SIA WB H4

CoreLine Highbay gen6, UltraEfficient, 222 W, 40000 lm, 4000 K, Wireless, Interact Ready, Beam angle 90°, H4, IP65, IK05

Aluminium die cast, Grey, Basalt grey (RAL7012), Single layer powder coating, Bracket, Surface, Suspended, Sensor-ready driver Interact System-ready, Sensor SNH (R) 210, 40000 lm, 222 W, 180 lm/W, 4000 K, (0.3818,0.3797) SDCM < 5, Beam angle 90°, IP65 | Dust penetration-protected, jet-proof, IK05 | 0.7 J, Safety class I, Screw connector

### Product data

General Information		Unified Glare Rating (CEN)	
Number of gear units	2 units		25
Driver included	Yes	Operating and Electrical	
Value ladder	Performance	Input Voltage	220 to 240 V
Warranty period	5 years	Line Frequency	50 to 60 Hz
Light Technical		Average CLO power consumption	- W
Luminous Flux	40,000 lm	Inrush current	11.2 A
Saturated Red (R9)	<50	Inrush time	0.135 ms
Correlated Colour Temperature (Nom)	4000 K	Power Consumption	222 W
Luminous efficacy (rated) (nom.)	180 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)	7
Optic type	Beam angle 90°	Suitable for random switching	Yes
Luminaire light beam spread	90°	Protection class IEC	Safety class I
		Feed-through wiring	-

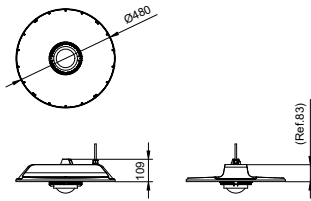
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Total harmonic distortion	10 %
<b>Controls and Dimming</b>	
Dimmable	Yes
Driver/power unit/transformer	Sensor-ready driver Interact System-ready
Control interface	Wireless
Constant light output	No
DALI standard	D4i™ DALI-2™
Maximum dim level	20%
Connectivity	Interact Ready
Embedded control	Sensor SNH (R) 210
Photocell	-
<b>Mechanical and Housing</b>	
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	151 mm
Overall diameter	480 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK05 [0.7 J]
Explosion hazard class	-
Mounting	Bracket Surface Suspended
Net Weight (Piece)	6.590 kg
<b>Emergency Operation</b>	
Power consumption during Central DC emergency mode	33.3 W
Central Emergency	No
<b>Approval and Application</b>	
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
EU RoHS compliant	Yes
Performance ambient temperature Tq	35 °C
Flickering value (PstLM)	0.5
Stroboscopic effect	0.4
Ambient temperature range	-30°C to 45°C

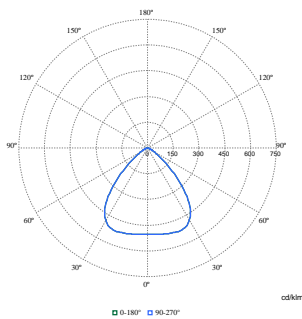
<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.3818,0.3797) SDCM < 5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5
<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful 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
<b>Sustainability Data</b>	
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	52.4 kg CO <sub>2e</sub>
Product non-virgin material ratio	46.9 %
Recyclable the content ratio of the finished product	50.9 %
GWP total B6 (kg CO <sub>2e</sub> q) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2e</sub> q / kWh)
GWP total B6 (kg CO <sub>2e</sub> q) 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>2e</sub> q / kWh)
<b>Product Data</b>	
Order product name	BY122X G6 LED400/840 SIA WB H4
Full product name	BY122X G6 LED400/840 SIA WB H4
Full EOC	872110330672200
Order code	911401557445
Material no. (12 NC)	911401557445
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8721103306722
Numerator – packs per outer box	1
EAN/UPC - Case	8721103306722

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - 911401557445

