



CoreLine Highbay gen6

BY121X G6 LED280/840 SIA WB H4

CoreLine Highbay gen6, UltraEfficient, 153 W, 28000 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, 28000 lm, 153 W, 183 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	
Number of gear units	Unit
Driver included	Yes
Service Tag	Yes
Value ladder	Performance
Warranty period	5 years
Light Technical	
Luminous Flux	28,000 lm
Saturated Red (R9)	<50
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	183 lm/W
Colour rendering index (CRI)	>80
Beam angle of light source	120 degree(s)
Light source colour	840 neutral white
Optic type	Beam angle 90°

Luminaire light beam spread	90°
Unified Glare Rating (CEN)	25
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Average CLO power consumption	- W
Inrush current	9.6 A
Inrush time	0.13 ms
Power Consumption	153 W
Power Factor (Fraction)	0.95
Connection	Screw connector
Cable	Cable 0.3 m with connector 3-pole
Number of products on MCB (16 A type B)	15
Suitable for random switching	Yes
Protection class IEC	Safety class I

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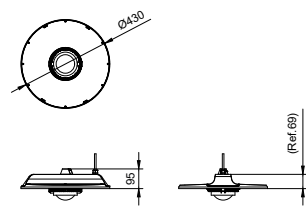
Feed-through wiring	-
Total harmonic distortion	10 %
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Sensor-ready driver Interact System-ready
Control interface	Wireless
Constant light output	No
DALI standard	DALI-2™ D4i™
Maximum dim level	20%
Connectivity	Interact Ready
Embedded control	Sensor SNH (R) 210
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	138 mm
Overall diameter	430 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)	4.490 kg
Emergency Operation	
Power consumption during Central DC emergency mode	22.95 W
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	-30 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* 50000 h	L85
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 ₂ e
Product non-virgin material ratio	45.5 %
Recyclable the content ratio of the finished product	49.3 %
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 CO ₂ eq / kwh)
GWP total B6 (kg CO2eq) 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 ₂ eq / kwh)

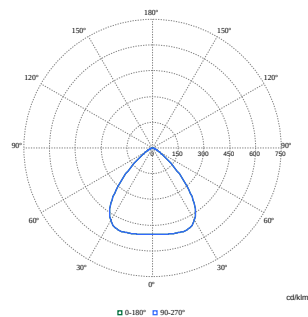
Product Data	
Order product name	BY121X G6 LED280/840 SIA WB H4
Full product name	BY121X G6 LED280/840 SIA WB H4
Full EOC	872110330676000
Order code	911401556045
Material no. (12 NC)	911401556045
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8721103306760
Numerator – packs per outer box	1
EAN/UPC - Case	8721103306760

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Dimensional drawing



Photometric data



Polar Normal (separate) - 911401556045

