CoreLine Highbay gen6

BY120X G6 LED150/840 SIA NB H4

CoreLine Highbay gen6, UltraEfficient, 82 W, 15000 lm, 4000 K, Wireless, Interact Ready, Beam angle 55°, H4, IP65, IK05

Philips CoreLine Highbay gen6 delivers on the CoreLine promise of innovative, easy-to-use, and high-quality lighting. With a redefined and appealing elegance, CoreLine Highbay gen6 is a reliable, highly efficient luminaire with a very long lifetime. It delivers flicker-free lighting and great energy savings, and requires less maintenance than comparable luminaires. CoreLine Highbay gen6 is also very easy to handle. The luminaire can be installed on your existing grid. Electrical connections are straightforward, with an external IP65 connector that does not require you to open the luminaire. With a choice of narrow and wide beam angles, you can adjust your lighting plan to suit your exact needs. The CoreLine Highbay gen6 range includes Interact Ready luminaires. With integrated wireless communications and integrated movement and daylight sensors, CoreLine Highbay gen6 is ready for use with any Interact connected lighting system.

Product data

General Information	
Number of gear units	1 unit
Driver included	Yes
Value ladder	Performance
Warranty period	5 years

Light Technical	
Luminous Flux	15,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	182 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Beam angle 55°
Luminaire light beam spread	55°
Unified glare rating CEN	22

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Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Average CLO power consumption	- W
Inrush current	11.2 A
Inrush time	0.135 ms
Power Consumption	82 W
Power Factor (Fraction)	0.95
Connection	Screw connector
Cable	Cable 0.3 m with connector 3-pole
Number of products on MCB of 16 A type B	15
Suitable for random switching	Yes
Protection class IEC	Safety class I
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	D4i™ DALI-2™
Maximum dim level	20%
Connectivity	Interact Ready
Embedded control	Sensor SNH (R) 210
Photocell	-

Mechanical and Housing	
Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	-
Fixation material	Aluminum
Housing Color	Gray
Optical cover finish	-
Reflector Finish	-
Overall height	138 mm
Overall diameter	350 mm
Optical finish	Clear
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)	3.490 kg

Emergency Operation	
Power consumption during Central DC emergency mode	12.3 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) - Flickering value as per EN 61000-3-3	0.5
Stroboscopic effect visibility measure (SVM)	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 35000 h	3.5 %
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 75000 h	7.5 %
Control gear failure rate at median useful life 100000 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)	28 kg CO_2e
Product non-virgin material ratio	45.2 %
Recyclable content ratio of the finished product	49.7 %
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)

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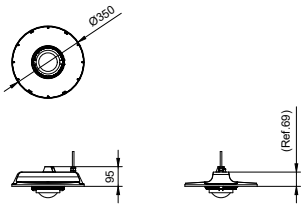
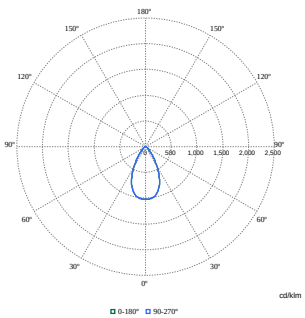
Product Data	
Order product name	BY120X G6 LED150/840 SIA NB H4
Full product name	BY120X G6 LED150/840 SIA NB H4
Full product code	872110330665400
Order code	911401554145
Material Nr. (12NC)	911401554145

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103306654
Numerator - Packs per outer box	1
EAN/UPC - Case	8721103306654

Dimensional drawing



Photometric data



Polar Normal (separate) - 911401554145