



CoreLine Highbay Gen5

Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	157 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	0.5
Stroboscopic effect value (SVM)	1
Light source color	840 neutral white
Optic type	Narrow beam
Luminaire light beam spread	55°
Unified glare rating CEN	22

Operating and Electrical

Line Frequency	50 or 60 Hz
Input Voltage	220 to 240 V
Inrush current	40 A
Inrush time	600 ms
Power Consumption	67 W
Power Factor (Fraction)	0.95
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

Temperature

Ambient temperature range	-30 to +50 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Color	Gray
Optical cover/lens finish	Clear
Overall length	290 mm
Overall height	90 mm

Overall diameter	290 mm
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Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	18.2 m

Initial Performance (IEC Compliant)

Initial chromaticity	(0.385, 0.380) SDCM<5
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life	5 %
50000 h	
Control gear failure rate at median useful life	10 %
100000 h	
Lumen maintenance at median useful life*	L85
50000 h	
Lumen maintenance at median useful life*	L75
100000 h	

Product Data

Full product code	871951495566000
Order product name	BY120P G5 LED105S/840 PSU NB
EAN/UPC - Product	8719514955660
Order code	911401629208
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401629208
Full product name	BY120P G5 LED105S/840 PSU NB
EAN/UPC - Case	8719514955660

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Dimensional drawing

