



# CoreLine Highbay Gen5

## BY121P G5 LED150S/840 PSD NB

CoreLine Highbay Gen5, 93 W, 15000 lm, 4000 K, DALI, Narrow beam, IP65, IK08

Aluminum die-cast, Grey, Power supply unit with DALI interface, 15000 lm, 93 W, 161 lm/W, 4000 K, (0.385, 0.380) SDCM<5, Narrow beam, Clear, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class I, Connection unit 3-pole

### Product data

General Information		Luminaire light beam spread	
Light source replaceable	No		55°
Number of gear units	1 unit	Unified glare rating CEN	22
Driver included	Yes	<b>Operating and Electrical</b>	
Service tag	Yes	Input Voltage	220 to 240 V
Lighting Technology	LED	Line Frequency	50 or 60 Hz
Value ladder	Performance	Inrush current	53 A
Warranty period	5 years	Inrush time	0.3 ms
<b>Light Technical</b>		Power Consumption	93 W
Luminous Flux	15,000 lm	Power Factor (Fraction)	0.95
Saturated Red (R9)	<50	Connection	Connection unit 3-pole
Correlated Color Temperature (Nom)	4000 K	Cable	Cable 0.3 m with connector 3-pole
Luminous Efficacy (rated) (Nom)	161 lm/W	Number of products on MCB of 16 A type B	8
Color rendering index (CRI)	>80	Suitable for random switching	Yes
Light source color	840 neutral white	Protection class IEC	Safety class I
Optic type	Narrow beam	Total harmonic distortion	15 %

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## Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	13%

## Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	Grey
Optical cover finish	Clear
Overall height	99 mm
Overall diameter	330 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Net Weight (Piece)	3.540 kg

## Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	18.2 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)	1
Ambient temperature range	-30 to +50 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.385, 0.380) 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 50000 h	5 %
Control gear failure rate at median useful life 100000 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	L75

## Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	62.3 kg CO <sub>2e</sub>
Product non-virgin material ratio	6.64 %
Recyclable content ratio of the finished product	51.6 %
GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kwh)
GWP total B6 (kg CO <sub>2eq</sub> ) 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 CO <sub>2 eq</sub> / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

## Product Data

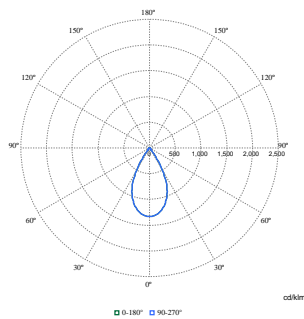
Order product name	BY121P G5 LED150S/840 PSD NB
Full product name	BY121P G5 LED150S/840 PSD NB
Full product code	871951495598100
Order code	911401632408
Material Nr. (12NC)	911401632408
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514955981
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514955981

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - 911401632408

