

BY022P G3 LED280S/840 PSU WB GR

911401565244



Ledinaire High-bay, 185 W, D355 mm, 28000 lm, 4000 K, Wide beam, IP65, IK06

D355 mm, Aluminum die-cast, Grey, Single layer powder coating, Suspended, Constant light output, 28000 lm, 185 W, 150 lm/W, 4000 K, 0.38;0.38, Wide beam, Clear, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK06 | 1 J, Safety class I, Flying leads/wires

General Information

Number of gear units	1 unit
Driver included	Yes
Service tag	No
Value ladder	Value
Warranty period	5 years

Light Technical

Luminous Flux	28,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150 lm/W

Color rendering index (CRI)	>80
Beam angle of light source	116 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	90°
Unified glare rating CEN	Not applicable

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Average CLO power consumption	185 W
Inrush current	54 A
Inrush time	750 ms
Power Consumption	185 W

Power Factor (Fraction)	0.95
Connection	Flying leads/wires
Cable	Cable 0.3 m with connector 3-pole
Number of products on MCB of 16 A type B	6
Suitable for random switching	Yes
Protection class IEC	Safety class I
Total harmonic distortion	15 %

Wiring

Connector Type	Wire
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	-
Control interface	-
Constant light output	No
Maximum dim level	Not applicable
Embedded control	Constant light output
Photocell	-

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Grey
Optical cover finish	Clear
Reflector Finish	-
Overall height	93 mm
Overall diameter	355 mm
Optical finish	-
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK06 [1 J]
Explosion hazard class	-
Mounting	Suspended
Net Weight (Piece)	2.700 kg

Emergency Operation

Central Emergency	No
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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	-
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Ambient temperature range	-20 °C to 45 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	0.38;0.38
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 35000 h	2.74 %
Control gear failure rate at median useful life 50000 h	4 %
Control gear failure rate at median useful life 75000 h	5.7 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h	L85
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L80
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	-

Sustainability Data

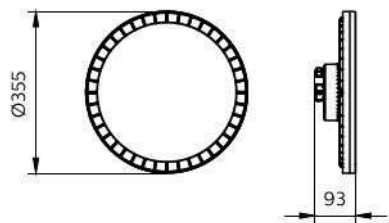
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	60.2 kg CO ₂ e
Product non-virgin material ratio	7.93 %

Recyclable content ratio of the finished product	58.8 %
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)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Product Data

Order product name	BY022P G3 LED280S/840 PSU WB GR
Full product name	BY022P G3 LED280S/840 PSU WB GR
Full product code	872016976137700
Order code	911401565244
Material Nr. (12NC)	911401565244
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169761377
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169761377

Dimensional drawing



Compatible Accesories

Accessory Image	Accessory Code	Accessory Name	Website
	911401565644	BY021Z G3 ALU	Product Website 
	911401627508	BY022Z G2 BR L216	Product Website 
	911401657907	BY020Z G2 ALU	Product Website 
	911401658007	BY021Z G2 BY022Z G3 ALU	Product Website 

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	Ledinaire-Highbay-BY02XP-G3-MI-EMEA.pdf	Download 
Environmental Product Declaration	EPD-HUB-EPD-Ledinaire-High-bay-BY022P-Ref-911401565244.pdf	Download 
Photometry and lighting design	Document Name	Download
IES File	Ledinaire-Highbay-BY022P-G3.ies	Download 

