Harmony 1&2 LED

BGP660 LED84-4S/740 PSD II DM50 FG GR D9

Harmony 1 LED, LED module 8400 lm, 740 neutral white, Safety class II, Distribution medium 50, Flat glass, Suspension set simple, standard

Harmony LED is based on a clean shape, a modular construction and complementary optical systems. It can be adapted to all styles of setting and types of application. Available in two sizes and designed for heights from 4 to 10 meters, the luminaire can be combined with several brackets and wall-mounted solutions, allowing you to compose varied, yet consistent installations. Harmony LED is the overall lighting solution for classic and contemporary urban settings, delivering outstanding levels of lighting and energy performance thanks to its LED engine and its application tailored optics. Harmony LED is also equipped with dedicated light recipe that preserves a dark night sky.

Product data

General Information

Lamp family code	LED84 [LED module 8400 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires – January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BGP660 [Harmony 1 LED]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	-
EU RoHS compliant	Yes

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Light Technical

Upward light output ratio	0.03
Luminous Flux	7,392 lumen
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	149 lm/W
Color rendering index (CRI)	≥70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	30° – 5° x 153°
Optic type outdoor	Distribution medium 50

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	46 A
Inrush time	0.25 ms
Power Consumption	49.5 W
Power Factor (Fraction)	0.98
Connection	Plug-in connector 4-pole Wieland/Adels compatible
Cable	–
Number of products on MCB of 16 A type B	11

Temperature

Ambient temperature range	–40 to +50 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	Glass
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Suspension set simple, standard
Optical cover shape	Flat
Optical cover finish	Clear

Fixation diameter	Mounting device diameter 1"
Overall length	536 mm
Overall width	536 mm
Overall height	224 mm
Overall diameter	536 mm
Effective projected area	0.021 m²
Dimensions (Height x Width x Depth)	224 x 536 x 536 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Philips standard surge protection level
Sustainability rating	–
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–7%
Initial chromaticity	(0.380, 0.390) SDCM <5
Power consumption tolerance	+/–10%
Init. Color Rendering Index Tolerance	+/–2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L97

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	10%

Product Data

Full product code	871869945024300
Order product name	BGP660 LED84-4S/740 PSD II DM50 FG GR D9
Order code	912300023972
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	912300023972
Full product name	BGP660 LED84-4S/740 PSD II DM50 FG GR D9
EAN/UPC – Case	8718699450243
EAN/UPC – Product/Case	8718699450243

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Dimensional drawing

Ø 25

224

Ø 536