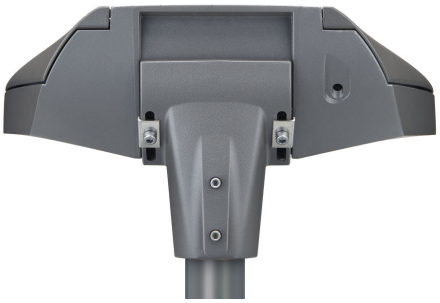

Luma gen2

BGP705 LED300-4S/740 II DM11 GF SRT SRB

LUMA GEN2 LARGE, LED module 30000 lm, LED, 174 W, Power supply unit with DALI and SystemReady interface, Distribution medium 11, Glass, 70° x 37°, Internal (no external connection), Post-top for diameter 60 to 76 mm

Luma gen2 is the next generation of the Luma LED luminaire family, fully optimised to become your long-term lighting and innovation partner. While keeping the distinctive design characteristics of the first generation, Luma gen2 gives you the benefits of the latest technologies thanks to its future-proof System Ready architecture, use of optimised Ledgine LED and optical platform ensuring best-in-class lighting performance in a broad range of applications. It also offers improved serviceability. Installation has also become easier and faster, and thanks to the Service tag, you have access to all relevant documentations onsite. Also, the cable feed-through has been redesigned and access to the gear components is easy thanks to top down tool-less access. Luma gen2 also offers all connectivity and dimming options available today and thanks to being System Ready, it can also to be paired with lighting management systems such as Interact City or existing and upcoming sensor innovations. The Luma gen2 has been developed to optimise and simplify spare part repair and maintenance work using a new plug-and-play GearFlex module containing all electrical components in an easy to handle and accessible box inside the housing. As a company conscious about the impact of light on the environment and biodiversity, we also equipped the Luma gen2 with dedicated light recipes that help with maintaining the optimal ecosystems for bats or preserve a dark night sky.

Product data

General Information	
Lamp family code	LED300 [LED module 30000 lm]

Light source replaceable	Yes
Number of gear units	3 units

Luma gen2

Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BGP705 [LUMA GEN2 LARGE]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC plus mark
EU RoHS compliant	Yes

Light Technical

Upwards light output ratio	0
Luminous Flux	26,700 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	-
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	153 lm/W
Colour rendering index (CRI)	>70
Light source colour	740 neutral white
Optical cover type	Glass
Luminaire light beam spread	70° x 37°
Optic type outdoor	Distribution medium 11

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	4 A
Inrush time	2.7 ms
Power Consumption	174 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	7

Temperature

Ambient temperature range	-40 to +50 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit with DALI and SystemReady interface
Control interface	Internal (no external connection)
Constant light output	No

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Glass
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Post-top for diameter 60 to 76 mm
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	855 mm
Overall width	485 mm
Overall height	245 mm
Effective projected area	0.378 m²
Dimensions (height x width x depth)	245 x 485 x 855 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.382, 0.380) SDCM 5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	0.005 %
Control gear failure rate at median useful life 35,000 h	3.5 %
Control gear failure rate at median useful life 50,000 h	5 %
Control gear failure rate at median useful life 50,000 h	7.5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L97

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BGP705 LED300-4S/740 II DM11 GF SRT SRB
Full product name	BGP705 LED300-4S/740 II DM11 GF SRT SRB
Full EOC	871951410404400
Order code	10404400

Luma gen2

Material no. (12 NC)	910925867143
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514104044
Numerator – packs per outer box	1

EAN/UPC - Case	8719514104044

Dimensional drawing