PHILIPS

Lighting



FlowStar

BGB300 LED660-4S/740 PSD DSM11 D9 MDD

FLOWSTAR LARGE, 200, LED module 66000 lm, LED, 415 W, Power supply unit with DALI interface, Distribution symmetrical medium 11, Flat glass, 148° x 148°, DALI, Suspension set simple, standard

Tunnel operators are looking for an LED solution for both interior and entrance lighting that delivers cost, safety and availability benefits over the full lifetime of the product. FlowStar's stainless-steel modular build and dedicated LED design provide a long-lasting and efficient LED alternative to conventional HPS lighting. FlowStar can also be combined with our controls and services for the highest levels of performance.

Product data

General Information	
Lamp family code	LED660 [LED module 66000 lm]
Light source replaceable	No
Number of gear units	3 units
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	BGB300 [FLOWSTAR LARGE]
Lighting Technology	LED
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical	
Upward light output ratio	0
Luminous Flux	54,780 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

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Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	132 lm/W
Color rendering index (CRI)	>70
Number of light sources	200
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	148° x 148°
Optic type outdoor	Distribution symmetrical medium 11

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	415 W
Power Factor (Fraction)	0.99
Connection	Mains outlet socket and 2 DALI sockets
Cable	-
Number of products on MCB of 16 A type B	2

Temperature

Ambient temperature range	-30 to +40 °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	Stainless steel
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Stainless steel
Housing Color	Steel
Mounting device	Suspension set simple, standard
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	725 mm
Overall width	620 mm
Overall height	66.5 mm
Effective projected area	0.4495 m²
Dimensions (Height x Width x Depth)	67 x 620 x 725 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Philips standard surge protection level
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.433. 0.403) SDCM <3
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	L95

Application Conditions

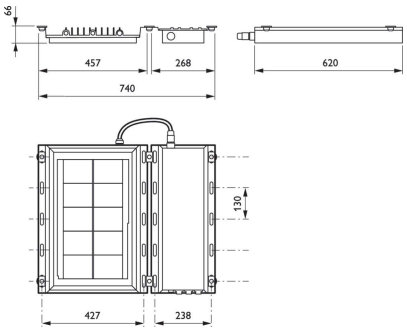
Performance ambient temperature Tq	25 °C
Maximum dim level	10%

Product Data

Order product name	BGB300 LED660-4S/740 PSD DSM11 D9 MDD
Full product name	BGB300 LED660-4S/740 PSD DSM11 D9 MDD
Full product code	871869912035100
Order code	12035100
Material Nr. (12NC)	912300023896
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699120351
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699120351

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Dimensional drawing



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