PHILIPS

Lighting

Flow LED

BGP490 LED21 II D9 VP

LED module 2100 lm, 840 neutral white, Power supply unit with DALI interface, Safety class II, Distribution symmetrical

Specially designed for slow-traffic underpass lighting, Flow LED combines elegance and style with high-performance LED lighting. Equipped with the newest Fortimo LED Line units, it easily outperforms conventional fluorescent fixtures.

Product data

General Information	
Lamp family code	LED21 [LED module 2100 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Light source engine type	LED
Lighting Technology	LED
CE mark	Yes
Warranty period	3 years
Flammability mark	-
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical	
Upwards light output ratio	0
Luminous Flux	2,100 lm
Standard tilt angle post-top	-
Standard tilt angle side entry	-
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	100 lm/W
Colour rendering index (CRI)	80
Light source colour	840 neutral white
Optical cover type	Polycarbonate opal satinised
Luminaire light beam spread	120°
Optic type outdoor	Distribution symmetrical

Operating and Electrical	
Input Voltage	200 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	26 A
Inrush time	140 ms
Power Consumption	21 W
Power Factor (Fraction)	0.9
Connection	Internal connector
Cable	-
Number of products on MCB of 16 A type B	36

Temperature	
Ambient temperature range	-20 to +40 °C

Flow LED

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	Programmable

Mechanical and Housing	
Housing material	Extruded aluminium
Reflector material	Aluminium
Optic material	-
Optical cover/lens material	Polycarbonate
Fixation material	Stainless steel
Housing Colour	White
Mounting device	Heavy-duty mounting bracket
Optical cover/lens shape	Curved
Optical cover/lens finish	Opal
Overall length	705 mm
Overall width	260 mm
Overall height	71 mm
Effective projected area	0.18 m²
Dimensions (height x width x depth)	71 x 260 x 705 mm

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Surge Protection (Common/Differential)	2 kV
Protection class IEC	Safety class II

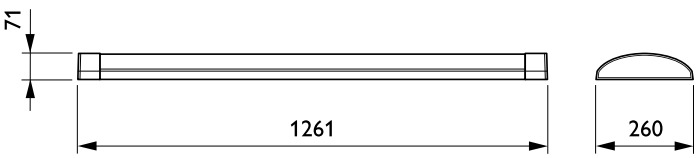
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.380, 0.377) SDCM<3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)	
Driver failure rate at 5,000 hours	0.1 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	50%

Product Data	
Order product name	BGP490 LED21 II D9 VP
Full product name	BGP490 LED21 II D9 VP
Full EOC	871869938531600
Order code	38531600
Material no. (12 NC)	912401483152
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699385316
Numerator – packs per outer box	1
EAN/UPC - Case	8718699385316

Dimensional drawing



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com
2023, April 30 - data subject to change