Quebec LED

BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S

QUEBEC LED, LED module 4900 lm, 740 neutral white, Power supply unit with DALI interface, Safety class I, Distribution wide 50, Flat glass, Black, Philips standard surge protection level

Quebec LED is a stylish luminaire designed to brighten up residential streets and pathways, precincts, parks and other urban spaces. It incorporates the energy efficient LEDGINE-O engine with high-performance optics, while at the same time retaining the character of the original Quebec fixture. It also offers a choice of bowl versions and mounting options. All these factors together make Quebec LED a versatile solution that can meet the needs of any project.

Product data

General Information

Lamp family code	LED49 [LED module 4900 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	BRP776 [QUEBEC LED]
Lighting Technology	LED
Value ladder	Value
CE mark	Yes
Warranty period	5 years
Flammability mark	–
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts

Light Technical

Upward light output ratio	0.03
Luminous Flux	4,018 lm

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Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	132 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	23° – 8° x 152°
Optic type outdoor	Distribution wide 50

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.225 ms
Power Consumption	30.5 W
Power Factor (Fraction)	0.98
Connection	Plug-in connector 3-pole Wieland/Adels compatible and 2x 2-pole control signal for light regulation
Cable	-
Number of products on MCB of 16 A type B	26

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	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Black
Mounting device	-
Optical cover shape	Flat
Optical cover finish	Silkscreen print gray

Overall height	388 mm
Overall diameter	472 mm
Effective projected area	0.094 m²

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Philips standard surge protection level
Sustainability rating	-
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.381, 0.379) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
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	25%

Product Data

Order product name	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S
Full product name	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S
Full product code	871869908993100
Order code	912300023483
Material Nr. (12NC)	912300023483
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699089931
Numerator – Packs per outer box	1
EAN/UPC – Case	8718699089931

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Dimensional drawing