



Quebec LED

BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S

QUEBEC LED, LED module 1600 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		Lighting Technology	
Lamp family code	LED16 [LED module 1600 lm]	Value ladder	Value
Light source replaceable	Yes	CE mark	Yes
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Flammability mark	-
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	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			
Light source engine type	LED	Upward light output ratio	0.03
Product family code	BRP776 [QUEBEC LED]	Luminous Flux	1,328 lm
		Standard tilt angle posttop	-

Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	128 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	15 A
Inrush time	0.295 ms
Power Consumption	10.4 W
Power Factor (Fraction)	0.97
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	29

Temperature

Ambient temperature range	-40 to +50 °C
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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	L98

Application Conditions

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

Product Data

Order product name	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S
Full product name	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S
Full product code	871869908992400
Order code	912300023482
Material Nr. (12NC)	912300023482
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699089924
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699089924

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Dimensional drawing

