



Quebec LED – setting the standard in outdoor lighting

Quebec LED

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.

Benefits

- Timeless, stylish design
- Tool-less maintenance
- High performing LEDGINE-O engine, also for retrofit
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- LED luminaire offering a high level of energy efficiency and an extensive range of dimming options
- Wide range of high-performance optics for either road or area lighting distributions
- Installation flexibility: post-top, side-entry, double post-top, or wall mounting
- Choice of clear or frosted flat glass or opalized polycarbonate bowl

Application

- Residential streets, pathways, precincts, parks and playgrounds, parking areas
- City centers: side streets, walkways, squares and parks, public transport, parking areas
- Private sites, e.g. theme parks and zoos

Specifications

Type	BRP775 (dedicated post-top version) BRP776 (universal mounting version)
Light source	Integral LED-module
Power	12 to 77 W depending on configuration
Luminous flux	Neutral white standard fluxes: Nominal: flux range between 1600 and 11,000 lm (LED16, LED22, LED30, LED39, LED49, LED59, LED69, LED79, LED94, LED109) System: flux range between 1400 and 9100 lm Warm white standard fluxes: Nominal: flux range between 1600 and 9400 lm (LED16, LED22, LED30, LED39, LED49, LED59, LED69, LED79, LED94) System: flux range between 1400 and 7800 lm Or tailor flux using L-Tune software
Luminaire efficacy	118-127 lm/W (neutral white) 92-101 lm/W (warm white)
Correlated Color	3000 K (warm white)
Temperature	4000 K (neutral white)
Color Rendering Index	≥ 70
Lumen maintenance at median useful life* 100000 h	up to L96
Control gear failure rate at median useful life 100000 h	10%
Performance Ambient Temperature Tq	+25 °C
Operating temperature range	-20 to +40 °C
Driver	Integrated
Mains voltage	220-240 V / 50-60 Hz
Inrush current	22 A for 290 ms for 40 W driver 46 A for 250 for 75 W driver
Dimming	LineSwitch SDU DynaDimmer Controls system input DALI
Controls	CLO LightWave OLC

Options	Mini photocell
Optic	Narrow distribution: DN10, DN11 Medium distribution: DM10, DM11, DM12, DM50 Wide distribution: DW10, DW50 Extra Wide distribution: DX10, DX50 Two optional back-light cut-off louver available: BL1, BL2 Round symmetric distribution: DS50 Pedestrian crossing: DPR1, DPR2
Optical cover	Polycarbonate bowl/cover, opal (PCO) Glass, frosted (GF) Screen printed flat glass, clear
Material	Housing: spun aluminum dome, high pressure die-cast aluminum frame Cover: thermally toughed flat glass or injection moulded opalized PC bowl
Color	White (RAL9016) or textured black Other RAL or Akzo Futura colors available on request
Connection	SI-PS, plug and socket connector
Maintenance	Toolless from below
Installation	Post-top or side entry mounting: Ø 60 mm BRP775 for dedicated Ø 60 mm post top use BRP776 requires complementary separate Ø 60mm mounting bracket; post top, two sided (twin) post top, side entry or wall bracket mounting Operating temperature: - 20 °C < Ta < 40 °C Recommended mounting height: 4-6 m Standard tilt angle post top or wall mounting: 5° Max SCx: Flat glass: 0.094 m² Bowl: 0.120 m²
Cable gland	M20
Accessories	Dedicated fixation accessories available for mounting BRP776: ZRP776; T; single post top mounting bracket Ø 60 mm ZRP776; T2; double post top mounting bracket Ø 60 mm ZRP776; S; side entry mounting bracket Ø 6 mm ZRP776; W; wall mounting bracket Quebec LED replacement unit: ARP775 (dedicated post-top version) ARP776 (universal mounting version)

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Versions



Quebec BRP775 pedestrian luminaire, post top version with grey flat glass



Quebec BRP776 pedestrian luminaire, spigot version with grey flat glass

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Driver failure rate at 5000 h	0.5 %
Approval and Application	
Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Philips standard surge protection level
General Information	
CE mark	CE mark
Optical cover/lens type	Flat glass
Driver included	Yes
Flammability mark	-
Light source replaceable	Yes
Lamp version	4S
Number of gear units	1 unit
Light Technical	
Upward light output ratio	0.03
Mechanical and Housing	
Color	Black

Application Conditions

Order Code	Full Product Name	Maximum dim level
912300023476	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	-
912300023480	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	25%
912300023481	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	25%
912300024227	BRP775 LED59-4S/518 PSU DM11 PGR BK	-
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	-
912300023479	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	-
912300023482	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	25%
912300023483	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	25%

Controls and Dimming

Order Code	Full Product Name	Dimmable
912300023476	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	No
912300023480	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	Yes
912300023481	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	Yes
912300024227	BRP775 LED59-4S/518 PSU DM11 PGR BK	No

Order Code	Full Product Name	Dimmable
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	No
912300023479	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	No
912300023482	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	Yes
912300023483	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	Yes

General Information (1/2)

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Order Code	Full Product Name	Luminaire light beam spread	Light source color	Lamp family code	Optic type
912300023476	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	26° - 7° x 157°	740 neutral white	LED30	Distribution narrow 10
912300023480	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	23° - 8° x 152°	740 neutral white	LED16	Distribution wide 50
912300023481	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	23° - 8° x 152°	740 neutral white	LED49	Distribution wide 50
912300024227	BRP775 LED59-4S/518 PSU DM11 PGR BK	28° - 5° x 142°	518 ClearStar WW	LED59	Distribution medium 11

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Lamp family code	Optic type
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	28° - 5° x 142°	420 ClearStar NW	LED49	Distribution medium 11
912300023479	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	17° - 5° x 132°	830 warm white	LED22	Distribution extra wide 50
912300023482	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	23° - 8° x 152°	740 neutral white	LED16	Distribution wide 50
912300023483	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	23° - 8° x 152°	740 neutral white	LED49	Distribution wide 50

General Information (2/2)

Order Code	Full Product Name	Product Family Code	Service tag
912300023476	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	BRP775	-
912300023480	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	BRP775	-
912300023481	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	BRP775	Yes
912300024227	BRP775 LED59-4S/518 PSU DM11 PGR BK	BRP775	Yes

Order Code	Full Product Name	Product Family Code	Service tag
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	BRP775	Yes
912300023479	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	BRP776	-
912300023482	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	BRP776	-
912300023483	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	BRP776	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
912300023476	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	4000 K	>70	2610 lm
912300023480	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	4000 K	>70	1328 lm
912300023481	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	4000 K	>70	4018 lm
912300024227	BRP775 LED59-4S/518 PSU DM11 PGR BK	1800 K	48	3540 lm
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	2000 K	36	2891 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
912300023479	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	3000 K	>80	1848 lm
912300023482	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	4000 K	>70	1328 lm
912300023483	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	4000 K	>70	4018 lm

Light Technical

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Order Code	Full Product Name	Standard tilt	
		angle side entry	Standard tilt angle posttop
912300023476	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	-	5°
912300023480	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	-	5°
912300023481	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	-	5°
912300024227	BRP775 LED59-4S/518 PSU DM11 PGR BK	-	5°

Order Code	Full Product Name	Standard tilt	
		angle side entry	Standard tilt angle posttop
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	-	5°
912300023479	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	0°	-
912300023482	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	0°	-
912300023483	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	0°	-

