



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)

Quebec LED

Versions



Quebec BRP775 pedestrian luminaire, post-top version with opal bowl



Quebec BRP775 pedestrian luminaire, post-top version with frosted flat glass



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



Quebec BRP776 pedestrian luminaire, spigot version with opal bowl



Quebec BRP776 pedestrian luminaire, spigot version with frosted flat glass



Quebec BRP776 pedestrian luminaire, spigot version with grey flat glass

Approval and Application

Mech. impact protection code	IK08
Surge Protection (Common/Differential)	Philips standard surge protection level

General Information

CE mark	CE mark
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
---------------------------	------

Application Conditions

Order Code	Full Product Name	Maximum dim level
912300023474	BRP775 LED59-4S/740 PSU II DS50 O BK	-
912300023475	BRP775 LED39-4S/830 PSDD DW50 FR WH DDF2	-
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	-
912300023477	BRP776 LED39-4S/740 PSU II DS50 O WH S	-
912300023478	BRP776 LED30-4S/830 PSR DM50 FR BK D11 S	25%
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
912300023474	BRP775 LED59-4S/740 PSU II DS50 O BK	No
912300023475	BRP775 LED39-4S/830 PSDD DW50 FR WH DDF2	No
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
912300023477	BRP776 LED39-4S/740 PSU II DS50 O WH S	No
912300023478	BRP776 LED30-4S/830 PSR DM50 FR BK D11 S	Yes
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)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	Lamp family code
912300023474	BRP775 LED59-4S/740 PSU II DS50 O BK	152° x 155°	740 neutral white	Polymethyl methacrylate bowl/cover	LED59
912300023475	BRP775 LED39-4S/830 PSDD DW50 FR WH DDF2	23° - 8° x 152°	830 warm white	Flat glass	LED39
912300023476	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	26° - 7° x 157°	740 neutral white	Flat glass	LED30
912300023480	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	23° - 8° x 152°	740 neutral white	Flat glass	LED16
912300023481	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	23° - 8° x 152°	740 neutral white	Flat glass	LED49
912300024227	BRP775 LED59-4S/518 PSU DM11 PGR BK	28° - 5° x 142°	518 ClearStar WW	Flat glass	LED59

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	Lamp family code
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	28° - 5° x 142°	420 ClearStar NW	Flat glass	LED49
912300023477	BRP776 LED39-4S/740 PSU II DS50 O WH S	152° x 155°	740 neutral white	Polymethyl methacrylate bowl/cover	LED39
912300023478	BRP776 LED30-4S/830 PSR DM50 FR BK D11 S	30° - 5° x 153°	830 warm white	Flat glass	LED30
912300023479	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	17° - 5° x 132°	830 warm white	Flat glass	LED22
912300023482	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	23° - 8° x 152°	740 neutral white	Flat glass	LED16
912300023483	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	23° - 8° x 152°	740 neutral white	Flat glass	LED49

General Information (2/2)

Order Code	Full Product Name	Number of light sources	Optic type	Product Family Code	Service tag
912300023474	BRP775 LED59-4S/740 PSU II DS50 O BK	30 pcs	Distribution symmetrical 50	BRP775	-
912300023475	BRP775 LED39-4S/830 PSDD DW50 FR WH DDF2	-	Distribution wide 50	BRP775	-

Order Code	Full Product Name	Number of light sources	Optic type	Product Family Code	Service tag
912300023476	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	-	Distribution narrow 10	BRP775	-
912300023480	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	-	Distribution wide 50	BRP775	-

Order Code	Full Product Name	Number of light sources		Product Family Service	
		Optic type	Code	tag	
912300023481	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	-	Distribution	BRP775	Yes
912300024227	BRP775 LED59-4S/518 PSU DM11 PGR BK	-	Distribution	BRP775	Yes
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	-	Distribution	BRP775	Yes
912300023477	BRP776 LED39-4S/740 PSU II DS50 O WH S	-	Distribution	BRP776	-

Order Code	Full Product Name	Number of light sources		Product Family Service	
		Optic type	Code	tag	
912300023478	BRP776 LED30-4S/830 PSR DM50 FR BK D11 5	-	Distribution	BRP776	-
912300023479	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	-	Distribution	BRP776	-
912300023482	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	-	Distribution	BRP776	-
912300023483	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	-	Distribution	BRP776	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering		Initial luminous flux
			Index	lumens	
912300023474	BRP775 LED59-4S/740 PSU II DS50 O BK	4000 K	>70		5040 lm
912300023475	BRP775 LED39-4S/830 PSDD DW50 FR WH DDF2	3000 K	>80		3198 lm
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

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering		Initial luminous flux
			Index	lumens	
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	2000 K	36		2891 lm
912300023477	BRP776 LED39-4S/740 PSU II DS50 O WH S	4000 K	>70		3276 lm
912300023478	BRP776 LED30-4S/830 PSR DM50 FR BK D11 5	3000 K	>80		2520 lm
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

Order Code	Full Product Name		Standard tilt	
			angle side entry	angle posttop
912300023474	BRP775 LED59-4S/740 PSU II DS50 O BK	-	5°	
912300023475	BRP775 LED39-4S/830 PSDD DW50 FR WH DDF2	-	5°	
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	angle posttop
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	-	5°	
912300023477	BRP776 LED39-4S/740 PSU II DS50 O WH S	0°		-
912300023478	BRP776 LED30-4S/830 PSR DM50 FR BK D11 5	0°		-
912300023479	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	0°		-
912300023482	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	0°		-

Quebec LED

Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop
912300023483	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	0°	-

Mechanical and Housing

Order Code	Full Product Name	Color
912300023474	BRP775 LED59-4S/740 PSU II DS50 O BK	Black
912300023475	BRP775 LED39-4S/830 PSDD DW50 FR WH DDF2	White
912300023476	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	Black
912300023480	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	Black
912300023481	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	Black
912300024227	BRP775 LED59-4S/518 PSU DM11 PGR BK	Black

Order Code	Full Product Name	Color
912300024228	BRP775 LED49-4S/420 PSU DM11 PGR BK	Black
912300023477	BRP776 LED39-4S/740 PSU II DS50 O WH S	White
912300023478	BRP776 LED30-4S/830 PSR DM50 FR BK D11 5	Black
912300023479	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	Black
912300023482	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	Black
912300023483	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	Black

