



# 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

<b>Type</b>	BRP775 (dedicated post-top version) BRP776 (universal mounting version)
<b>Light source</b>	Integral LED-module
<b>Power</b>	12 to 77 W depending on configuration
<b>Luminous flux</b>	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
<b>Luminaire efficacy</b>	118-127 lm/W (neutral white) 92-101 lm/W (warm white)
<b>Correlated Color</b>	3000 K (warm white)
<b>Temperature</b>	4000 K (neutral white)
<b>Color Rendering Index</b>	≥ 70
<b>Lumen maintenance at median useful life* 100000 h</b>	up to L96
<b>Control gear failure rate at median useful life 100000 h</b>	10%
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Operating temperature range</b>	-20 to +40 °C
<b>Driver</b>	Integrated
<b>Mains voltage</b>	220-240 V / 50-60 Hz
<b>Inrush current</b>	22 A for 290 ms for 40 W driver 46 A for 250 for 75 W driver
<b>Dimming</b>	LineSwitch SDU DynaDimmer Controls system input DALI
<b>Controls</b>	CLO LightWave OLC

<b>Options</b>	Mini photocell
<b>Optic</b>	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
<b>Optical cover</b>	Polycarbonate bowl/cover, opal (PCO) Glass, frosted (GF) Screen printed flat glass, clear
<b>Material</b>	Housing: spun aluminum dome, high pressure die-cast aluminum frame Cover: thermally toughed flat glass or injection moulded opalized PC bowl
<b>Color</b>	White (RAL9016) or textured black Other RAL or Akzo Futura colors available on request
<b>Connection</b>	SI-PS, plug and socket connector
<b>Maintenance</b>	Toolless from below
<b>Installation</b>	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
<b>Cable gland</b>	M20
<b>Accessories</b>	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 opal bowl



Quebec BRP776 pedestrian luminaire, spigot version with opal bowl



Quebec BRP775 pedestrian luminaire, post top version with grey 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 kV

### General Information

CE mark	CE mark
Light source color	740 neutral white
Driver included	Yes
Flammability mark	NO
Light source replaceable	Yes
Lamp version	4S
Number of gear units	1 unit

### Initial Performance (IEC Compliant)

Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70

### Light Technical

Upward light output ratio	0.03
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### Application Conditions

Order Code	Full Product Name	Maximum dim level
08984900	BRP775 LED59-4S/740 PSU II DS50 O BK	-
08987000	BRP776 LED39-4S/740 PSU II DS50 O WH S	-
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	25%
08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	25%
08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	25%
08993100	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	25%

## Controls and Dimming

Order Code	Full Product Name	Dimmable
08984900	BRP775 LED59-4S/740 PSU II DS50 O BK	No
08987000	BRP776 LED39-4S/740 PSU II DS50 O WH S	No
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	Yes

Order Code	Full Product Name	Dimmable
08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	Yes
08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	Yes

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Order Code	Full Product Name	Dimmable
08993100	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	Yes

## General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Optical cover/ lens type	Lamp family code	Number of light sources
08984900	BRP775 LED59-4S/740 PSU II DS50 O BK	152° x 155°	PM	LED59	30
08987000	BRP776 LED39-4S/740 PSU II DS50 O WH S	152° x 155°	PM	LED39	-
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	23° - 8° x 152°	FG	LED16	-
08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	23° - 8° x 152°	FG	LED49	-

Order Code	Full Product Name	Luminaire light beam spread	Optical cover/ lens type	Lamp family code	Number of light sources
08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	23° - 8° x 152°	FG	LED16	-
08993100	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	23° - 8° x 152°	FG	LED49	-

## General Information (2/2)

Order Code	Full Product Name	Optic type	Product Family Code	Service tag
08984900	BRP775 LED59-4S/740 PSU II DS50 O BK	Distribution symmetrical 50	BRP775	-
08987000	BRP776 LED39-4S/740 PSU II DS50 O WH S	Distribution symmetrical 50	BRP776	-
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	Distribution wide 50	BRP775	-

Order Code	Full Product Name	Optic type	Product Family Code	Service tag
08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	Distribution wide 50	BRP775	Yes
08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	Distribution wide 50	BRP776	-
08993100	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	Distribution wide 50	BRP776	-

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
08984900	BRP775 LED59-4S/740 PSU II DS50 O BK	5040 lm
08987000	BRP776 LED39-4S/740 PSU II DS50 O WH S	3276 lm
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	1328 lm

Order Code	Full Product Name	Initial luminous flux
08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	4018 lm
08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	1328 lm
08993100	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	4018 lm

## Light Technical

Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop
08984900	BRP775 LED59-4S/740 PSU II DS50 O BK	-	5°
08987000	BRP776 LED39-4S/740 PSU II DS50 O WH S	0°	-
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	-	5°
08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	-	5°

Order Code	Full Product Name	Standard tilt angle side entry	Standard tilt angle posttop
08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	0°	-
08993100	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	0°	-

## Mechanical and Housing

## Quebec LED

Order Code	Full Product Name	Color	Order Code	Full Product Name	Color
08984900	BRP775 LED59-4S/740 PSU II DS50 O BK	Black	08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	Black
08987000	BRP776 LED39-4S/740 PSU II DS50 O WH S	White	08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	Black
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	Black	08993100	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	Black

