



# 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 an energy-efficient LED 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
- LED engine, also for retrofit

### 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

## Quebec LED

<b>Type</b>	BRP775 (dedicated post-top version)
	BRP776 (universal mounting version)
<b>Light source</b>	Integral LED-module
<b>Power</b>	13 to 79 W depending on configuration
<b>Luminous flux</b>	Neutral white
	- GreenLine: 1600, 2400, 3300, 4000, 4800, 5300 lm
	- EconomyLine: 2200, 2900, 3300, 4300, 5400, 5700, 6500, 7100, 8400 lm
	Warm white
	- GreenLine: 1400, 2100, 2800, 3500, 4200, 4700 lm - EconomyLine: 2000, 2500, 2900, 3800, 5000, 5700, 6100 or 7300 lm
<b>Luminaire efficacy</b>	79-92 lm/W (3000 K version)
	92-105 lm/W (4000 K version)
<b>Correlated Color</b>	3000 K (warm white)
<b>Temperature</b>	4000 K (neutral white)

<b>Color Rendering Index</b>	≥ 70
<b>Maintenance of lumen output - L80F10</b>	GreenLine: 90,000 hours at 25 °C EconomyLine: 60,000 hours at 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>	65 A for 100 ms for 40 W driver
	80 A for 150 ms for 75/100 W driver
<b>Dimming</b>	SDU
	DynaDimmer
	Controls system input
	1-10 V or DALI

## Specifications

<b>Options</b>	Mini photocell
<b>Optic</b>	Distribution road or area (micro lenses) or symmetrical (DS)
<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)	
<b>Remarks</b>	Seven different light-distribution lenses available for either road or area applications (OFR1 to OFRR7 for Road and ORR1 to ORR7 for Area) and a DS Round symmetric version

## Approval and application

Mech. impact protection code	IK08
Surge protection (common/differential)	Philips standard surge protection level kV

## General information

CE mark	CE mark
Optical cover/lens type	FG
Driver included	Yes
Flammability mark	NO
Light source replaceable	Yes
Lamp version	4S
Number of gear units	1 unit

## Light technical

Upward light output ratio	0.03
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## Mechanical and housing

Colour	Black
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## Over time performance (IEC compliant)

Driver failure rate at 5,000 hours	0.5 %
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## Application conditions

Order Code	Full Product Name	Maximum dimming level
08986300	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	-
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	25%
08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	25%
08989400	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	-
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
08986300	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	No
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	Yes
08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	Yes

Order Code	Full Product Name	Dimmable
08989400	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	No
08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	Yes
08993100	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	Yes

## General information (1/2)

Order Code	Full Product Name	Light		Lamp	
		Luminaire light beam spread	source colour	family code	Optic type
08986300	BRP775	26° - 7° x 157°	740	LED30	Distribution
	LED30-4S/740		neutral	narrow 10	
	PSDD DN10 PGR BK DDF		white		
08990000	BRP775	23° - 8° x 152°	740	LED16	Distribution
	LED16-4S/740 PSD		neutral	wide 50	
	DW50 PGR BK D9		white		
08991700	BRP775	23° - 8° x 152°	740	LED49	Distribution
	LED49-4S/740 PSD		neutral	wide 50	
	DW50 PGR BK D9		white		

Order Code	Full Product Name	Light		Lamp	
		Luminaire light beam spread	source colour	family code	Optic type
08989400	BRP776	17° - 5° x 132°	830 warm	LED22	Distribution
	LED22-4S/830		white	extra wide 50	
	PSDD DX50 PGR BK DDF				
08992400	BRP776	23° - 8° x 152°	740	LED16	Distribution
	LED16-4S/740 PSD		neutral	wide 50	
	DW50 PGR BK D9 S		white		
08993100	BRP776	23° - 8° x 152°	740	LED49	Distribution
	LED49-4S/740 PSD		neutral	wide 50	
	DW50 PGR BK D9 S		white		

## General information (2/2)

Order Code	Full Product Name	Product family code
08986300	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	BRP775
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	BRP775

Order Code	Full Product Name	Product family code
08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	BRP775
08989400	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	BRP776

## Quebec LED

Order Code	Full Product Name	Product family code
08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	BRP776

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

### Initial performance (IEC compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour rendering index	Initial luminous flux
08986300	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	4000 K	>70	2610 lm
08990000	BRP775 LED16-4S/740 PSD DW50 PGR BK D9	4000 K	>70	1328 lm
08991700	BRP775 LED49-4S/740 PSD DW50 PGR BK D9	4000 K	>70	4018 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour rendering index	Initial luminous flux
08989400	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	3000 K	>80	1848 lm
08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	4000 K	>70	1328 lm
08993100	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	Standard tilt angle post-top
08986300	BRP775 LED30-4S/740 PSDD DN10 PGR BK DDF	-	5°
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 post-top
08989400	BRP776 LED22-4S/830 PSDD DX50 PGR BK DDF	0°	-
08992400	BRP776 LED16-4S/740 PSD DW50 PGR BK D9 S	0°	-
08993100	BRP776 LED49-4S/740 PSD DW50 PGR BK D9 S	0°	-

