PHILIPS

Lighting



GreenVision Flexi LED - energy-saving solution

GreenVision Flexi LED

Our GreenVision luminaire range provides two road-lighting solutions, one conventional (Flexi) and one LED-based (Flexi LED), offering customers flexibility in energy consumption and an easy transition to LED in the future. The LED version is based on a modular concept, enabling LED upgrades and a choice of high system efficacy levels to match energy saving targets.

Benefits

- Significant energy savings
- Easy transition to LED
- Future-proof

Features

- Choice of three lenses for different road widths
- Four system efficacy levels (110/100/90/80 lm/W) to match energy saving targets
- Tool-less maintenance
- High-reflection film and glass support excellent light output

Application

- Functional roads up to M1
- Roads and streets in commercial areas
- High-tech development zones

Specifications

Type	BRP310
Light source	Build-in LED-module
Power	45-140 W
Beam angle	Medium beam: 15º, sideward and 25º, front-back

Luminous flux	4,700-13,100 lm

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Luminaire efficacy	110 lm/W (level A++/270 mA)
	100 lm/W (level A+/350 mA)
	90 lm/W (level A/530 mA)
	80 lm/W (level B/700 mA)
Correlated Color Temperature	Cool white: 6500 K (+/- 500 K)
	Neutral white: 4300 K (+/- 500 K)
Color Rendering Index	75
Maintenance of lumen output - L90	Type A (Ia-530 mA): 35,000 hrs at 35ºC
	Type B (Ia-700 mA): 30,000 hrs at 35ºC
Maintenance of lumen output - L70	Type A (Ia-530 mA): 100,000 hrs at 35ºC
	Type B (Ia-700 mA): 95,000 hrs at 35ºC
Maintenance of lumen output - L50	All types: 100,000 hrs at 35ºC
Driver failure rate	0.05% per 5000 hrs
Operating temperature range	-20 to 35ºC
Driver	Built-in
Mains voltage	220-240 V / 50-60 Hz
Inrush current	150 A per driver
Dimming	No

Controls system input	No
Options	No
Optic	Medium beam: 15º, sideward and 25º, front-back
Optical cover	Micro lens optic in polycarbonate cover
Material	Housing: high-pressure, die-cast aluminum, non-corrosive
	Optical cover: extra-white toughened glass, thermally hardened, 4 mm thick
	Mounting bracket: integrated with luminaire (high-pressure, die-cast aluminum)
	Gasket:silicone rubber
Color	Canopy: RAL7043
	Frame: RAL7040
Connection	Screw connection block
Installation	Side-entry mounting: lateral entry Ø 48-60 mm
	Spigot is integrated
	Operating temperature:: - 20ºC < T
	Recommended mounting height: < 15 m
	Adjustable tilt angle: not available
	Max SCx: 0.384 m
Cable gland	M20 x 1.5

Versions



BRP310 220-240V

Product details

BRP310 LED opened luminaire



General Information	
Optical cover/lens type	Flat glass

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Approval and Application

Order Code	Full Product Name	Mech. impact protection code
910403630345	BRP310 LED46/CW 55W 220-240V MB	-
910403630346	BRP310 LED61/CW 75W 220-240V MB	-
910403630347	BRP310 LED77/CW 95W 220-240V MB	-
910403630350	BRP310 LED51/CW 55W 220-240V MB	-

Order Code	Full Product Name	Mech. impact protection code
910403630354	BRP310 LED102/CW 110W 220-240V MB	-
910403630355	BRP310 LED127/CW 140W 220-240V MB	-
911401608301	BRP310 LED102/NW 125W 220-240V DM2	IK08
911401610101	BRP310 LED102/NW 125W 220-240V DW2	IK08

General Information

Order Code	Full Product Name	Light source color	Lamp family code	Optic type
910403630345	BRP310 LED46/CW 55W 220-240V MB	Cool white	LED46	Medium beam
910403630346	BRP310 LED61/CW 75W 220-240V MB	Cool white	LED61	Medium beam
910403630347	BRP310 LED77/CW 95W 220-240V MB	Cool white	LED77	Medium beam
910403630350	BRP310 LED51/CW 55W 220-240V MB	Cool white	LED51	Medium beam

Order Code	Full Product Name	Light source color	Lamp family code	Optic type
910403630354	BRP310 LED102/CW 110W 220-240V MB	Cool white	LED102	Medium beam
910403630355	BRP310 LED127/CW 140W 220-240V MB	Cool white	LED127	Medium beam
911401608301	BRP310 LED102/NW 125W 220-240V DM2	Neutral white	LED102	Distribution medium version 2
911401610101	BRP310 LED102/NW 125W 220-240V DW2	Neutral white	LED102	Distribution wide version 2

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