



Clean design for a versatile luminaire

Harmony 1&2 LED

Harmony LED is based on a clean shape, a modular construction and complementary optical systems. It can be adapted to all styles of setting and types of application. Available in two sizes and designed for heights from 4 to 10 metres, the luminaire can be combined with several brackets and wall-mounted solutions, allowing you to compose varied, yet consistent installations. Harmony LED is the overall lighting solution for classic and contemporary urban settings, integrating the most advanced technologies in the field of photometric and mechanical engineering, as well as in respect of sustainability, safety and maintenance.

Benefits

- Timeless, clean design
- Tool-less maintenance
- Energy-efficient

Features

- 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, suspended and with dedicated brackets

Application

- Residential streets, pathways, cycle paths, parks and playgrounds, parking areas
- City centers : side streets, walkways, squares and parks, public transport, parking areas

Specifications

Type	BGP660 (Harmony 1 version)
	BGP661 (Harmony 2 version)
Light source	Integral LED-module

Power	HA1: up to 53 W depending on configuration
	HA2: up to 61 W depending on configuration

Harmony 1&2 LED

Luminous flux	1,350 - 7,170 (warm white), 1,550 - 8,250 (neutral white) depending on configuration
Luminaire efficacy	Up to 130 lm/W
Correlated Colour	3,000 - 4,000 K
Temperature	
Colour Rendering Index	80 - 70
Useful life L80B10	Up to 100,000 hours
Operating temperature range	-25 to +35 °C
Driver	Built-in (self-ballasted LED module) Philips Xitanium Driver
Mains voltage	220-240 V/50-60 Hz
Dimming	LumiStep (LS), DynaDimmer (DDF), LineSwitch (D11), Photocell, MiniCell 35, 55, 75 lux), DALI
Control system input	1-10 V
Optic	OFR2 Optiflux narrow for ME-class, OFR4 Optiflux narrow for S-class, OFR6 Optiflux very wide for S-Class, OFR7 Optiflux narrow for S-Class, DS Distribution Symmetrical Polycarbonate clear bowl, clear flat glass

Material	Housing: high-pressure aluminium
	Glass: thermally hardened, 5 mm thick
Colour	Grey
	Other RAL or AKZO Futura colours available on request
Maintenance	Light module exchangeable by opening the canopy
Installation	Side-entry, post top for 60 mm pole, suspended 1'G
	Harmony 1 & 2 LED prepared for dedicated brackets
	Weight:
	Harmony 1 LED: max. 15 kg
	Harmony 2 LED: max. 21.5 kg
	Max SCx:
	Harmony 1 LED: 0.07 m²
	Harmony 2 LED: 0.09 m²

Versions



Harmony 1&2 LED

Product details



Harmony_1_2_LED-
BGP660_BGP661_60S-DP01.tif



Harmony_1_2_LED-
BGP660_BGP661-DP05.tif



Harmony_1_2_LED-BGP661_FG-
DP06.tif



Harmony_1_2_LED-BGP660_FG-
DP07.tif



Harmony_1_2_LED-
BGP660_BGP661_60S-DP02.tif



Harmony_1_2_LED-
BGP660_BGP661_G1-DP03.tif



Harmony_1_2_LED_BGP660_PC-
DP08.tif

Harmony 1&2 LED

Application Conditions

Average ambient temperature 25 °C

Approval and Application

Surge Protection (Common/Differential) Philips standard surge protection level kV

General Information

CE mark CE mark
Driver included Yes
ENEC mark -
Flammability mark NO
Gear EB
Light source replaceable Yes
Number of gear units 1 unit
UL mark -

Light Technical

Standard tilt angle side entry 0°
Standard tilt angle posttop 0°
Upward light output ratio 0.03

Mechanical and Housing

Colour Gray

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h 3 %

Application Conditions

Order Code	Full Product Name	Maximum dim level
09707300	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 6	10%
09708000	BGP660 GRN21/830 I DS FG DDF1 GR-2900 60	-
09709700	BGP660 ECO84/740 II OFR5 FG D9 GR-2900 G	10%
09710300	BGP660 ECO73/830 I OFR4 PC GR-2900 60S	-
09711000	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 M	10%
09716500	BGP661 GRN53/740 II OFR4 FG D9 GR-2900 M	10%
09712700	BGP661 GRN48/740 II OFR4 FG D9 GR-2900 6	10%
09713400	BGP661 ECO61/830 I DS FG DDF1 GR-2900 60	-
09714100	BGP661 ECO84/740 II OFR5 FG D9 GR-2900 G	10%
09715800	BGP661 ECO73/830 I OFR4 PC GR-2900 60S	-

Approval and Application

Order Code	Full Product Name	Mech. impact protection code
09707300	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 6	IK09
09708000	BGP660 GRN21/830 I DS FG DDF1 GR-2900 60	IK09
09709700	BGP660 ECO84/740 II OFR5 FG D9 GR-2900 G	IK09
09710300	BGP660 ECO73/830 I OFR4 PC GR-2900 60S	IK10
09711000	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 M	IK09

Order Code	Full Product Name	Mech. impact protection code
09716500	BGP661 GRN53/740 II OFR4 FG D9 GR-2900 M	IK09
09712700	BGP661 GRN48/740 II OFR4 FG D9 GR-2900 6	IK09
09713400	BGP661 ECO61/830 I DS FG DDF1 GR-2900 60	IK09
09714100	BGP661 ECO84/740 II OFR5 FG D9 GR-2900 G	IK09
09715800	BGP661 ECO73/830 I OFR4 PC GR-2900 60S	IK10

Controls and Dimming

Order Code	Full Product Name	Dimmable
09707300	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 6	Yes
09708000	BGP660 GRN21/830 I DS FG DDF1 GR-2900 60	No
09709700	BGP660 ECO84/740 II OFR5 FG D9 GR-2900 G	Yes
09710300	BGP660 ECO73/830 I OFR4 PC GR-2900 60S	No
09711000	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 M	Yes

Order Code	Full Product Name	Dimmable
09716500	BGP661 GRN53/740 II OFR4 FG D9 GR-2900 M	Yes
09712700	BGP661 GRN48/740 II OFR4 FG D9 GR-2900 6	Yes
09713400	BGP661 ECO61/830 I DS FG DDF1 GR-2900 60	No
09714100	BGP661 ECO84/740 II OFR5 FG D9 GR-2900 G	Yes
09715800	BGP661 ECO73/830 I OFR4 PC GR-2900 60S	No

Operating and Electrical

Order Code	Full Product Name	Driver current
09707300	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 6	470 mA
09708000	BGP660 GRN21/830 I DS FG DDF1 GR-2900 60	450 mA

Order Code	Full Product Name	Driver current
09709700	BGP660 ECO84/740 II OFR5 FG D9 GR-2900 G	625 mA
09710300	BGP660 ECO73/830 I OFR4 PC GR-2900 60S	610 mA

Harmony 1&2 LED

Order Code	Full Product Name	Driver current
09711000	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 M	470 mA
09716500	BGP661 GRN53/740 II OFR4 FG D9 GR-2900 M	301 mA
09712700	BGP661 GRN48/740 II OFR4 FG D9 GR-2900 6	483 mA

Order Code	Full Product Name	Driver current
09713400	BGP661 ECO61/830 I DS FG DDF1 GR-2900 60	645 mA
09714100	BGP661 ECO84/740 II OFR5 FG D9 GR-2900 G	625 mA
09715800	BGP661 ECO73/830 I OFR4 PC GR-2900 60S	610 mA

General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Optical cover/ lens type	Lamp family code
09707300	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 6	360°	740 neutral white	FG	GRN40
09708000	BGP660 GRN21/830 I DS FG DDF1 GR-2900 60	148° x 148°	830 warm white	FG	GRN21
09709700	BGP660 ECO84/740 II OFR5 FG D9 GR-2900 G	360°	740 neutral white	FG	ECO84
09710300	BGP660 ECO73/830 I OFR4 PC GR-2900 60S	360°	830 warm white	PCC	ECO73
09711000	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 M	360°	740 neutral white	FG	GRN40

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Optical cover/ lens type	Lamp family code
09716500	BGP661 GRN53/740 II OFR4 FG D9 GR-2900 M	360°	740 neutral white	FG	GRN53
09712700	BGP661 GRN48/740 II OFR4 FG D9 GR-2900 6	360°	740 neutral white	FG	GRN48
09713400	BGP661 ECO61/830 I DS FG DDF1 GR-2900 60	148° x 148°	830 warm white	FG	ECO61
09714100	BGP661 ECO84/740 II OFR5 FG D9 GR-2900 G	360°	740 neutral white	FG	ECO84
09715800	BGP661 ECO73/830 I OFR4 PC GR-2900 60S	360°	830 warm white	PCC	ECO73

General Information (2/2)

Order Code	Full Product Name	Number of light sources	Optic type	Product Family Code
09707300	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 6	20	Optiflux version R4	BGP660
09708000	BGP660 GRN21/830 I DS FG DDF1 GR-2900 60	12	Distribution symmetrical	BGP660
09709700	BGP660 ECO84/740 II OFR5 FG D9 GR-2900 G	34	Optiflux version R5	BGP660
09710300	BGP660 ECO73/830 I OFR4 PC GR-2900 60S	30	Optiflux version R4	BGP660
09711000	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 M	20	Optiflux version R4	BGP660

Order Code	Full Product Name	Number of light sources	Optic type	Product Family Code
09716500	BGP661 GRN53/740 II OFR4 FG D9 GR-2900 M	40	Optiflux version R4	BGP661
09712700	BGP661 GRN48/740 II OFR4 FG D9 GR-2900 6	24	Optiflux version R4	BGP661
09713400	BGP661 ECO61/830 I DS FG DDF1 GR-2900 60	24	Distribution symmetrical	BGP661
09714100	BGP661 ECO84/740 II OFR5 FG D9 GR-2900 G	34	Optiflux version R5	BGP661
09715800	BGP661 ECO73/830 I OFR4 PC GR-2900 60S	30	Optiflux version R4	BGP661

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
09707300	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 6	4000 K	≥70	3634 lm
09708000	BGP660 GRN21/830 I DS FG DDF1 GR-2900 60	3000 K	≥80	1933 lm
09709700	BGP660 ECO84/740 II OFR5 FG D9 GR-2900 G	4000 K	≥70	7363 lm
09710300	BGP660 ECO73/830 I OFR4 PC GR-2900 60S	3000 K	≥80	6727 lm
09711000	BGP660 GRN40/740 II OFR4 FG D9 GR-2900 M	4000 K	≥70	3634 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
09716500	BGP661 GRN53/740 II OFR4 FG D9 GR-2900 M	4000 K	≥70	4795 lm
09712700	BGP661 GRN48/740 II OFR4 FG D9 GR-2900 6	4000 K	≥70	4348 lm
09713400	BGP661 ECO61/830 I DS FG DDF1 GR-2900 60	3000 K	≥80	5340 lm
09714100	BGP661 ECO84/740 II OFR5 FG D9 GR-2900 G	4000 K	≥70	7271 lm
09715800	BGP661 ECO73/830 I OFR4 PC GR-2900 60S	3000 K	≥80	6860 lm

Harmony 1&2 LED

