



# 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, delivering outstanding levels of lighting and energy performance thanks to its LED engine and its application-tailored optics. Harmony LED is also equipped with dedicated light recipe that preserves a dark night sky.

### Benefits

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

### Features

- High level of energy-efficiency and an extensive range of dimming options
- Optimised optics to deliver efficient and comfortable lighting levels
- Installation flexibility: post-top, side-entry, suspended and with dedicated brackets

### Application

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

### Specifications

## Harmony 1&2 LED

<b>Type</b>	BGP660 (Harmony 1 version) BGP661 (Harmony 2 version)
<b>Light source</b>	Integral LED-module
<b>Power</b>	HA1: up to 53 W depending on configuration HA2: up to 61 W depending on configuration
<b>Luminous flux</b>	1,200 - 9,000 depending on configuration
<b>Luminaire efficacy</b>	Up to 130 lm/W
<b>Correlated Colour</b>	3000-4000 K
<b>Temperature</b>	
<b>Colour Rendering Index</b>	80 - 70
<b>Lumen maintenance at median useful life* 100,000 h</b>	up to L95
<b>Control gear failure rate at median useful life 100,000 h</b>	10%
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Operating temperature range</b>	-25 to +35 °C
<b>Driver</b>	Built-in (self ballasted LED-module)
<b>Mains voltage</b>	220-240 V / 50-60 Hz

<b>Inrush current</b>	40 W: 22 A/ 290 µs 75 W: 46 A/ 250 µs
<b>Dimming</b>	LumiStep (LS), DynaDimmer (DDF), LineSwitch (D11), Photocell, MiniCell 35, 55, 75 lux), DALI
<b>Control system input</b>	1-10 V
<b>Optic</b>	DN10, DN11, DM10, DM11, DM12, DM50, DW10, DW50, DX10, DX50, DS50, DPR1, DPL1 Polycarbonate clear bowl, clear flat glass
<b>Material</b>	Housing: high-pressure aluminium Glass: thermally hardened, 5 mm thick
<b>Colour</b>	Grey Other RAL or AKZO Futura colours available on request
<b>Maintenance</b>	Light module exchangeable by opening the canopy
<b>Installation</b>	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 m <sup>2</sup> Harmony 2 LED: 0.09 m <sup>2</sup>

## Versions



# Harmony 1&2 LED

## Approval and Application

Mech. impact protection code	IK09
Surge Protection (Common/Differential)	Philips standard surge protection level kV

## General Information

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

## Light Technical

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

## Mechanical and Housing

Colour	Grey
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## Application Conditions

Order Code	Full Product Name	Maximum dim level
45023600	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	-
45024300	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	10%
45025000	BGP660 LED73-4S/830 I DW50 PC GR-2900	-
45027400	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	-
45028100	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	20%
45029800	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	-

## Controls and Dimming

Order Code	Full Product Name	Dimmable
45023600	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	No
45024300	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	Yes
45025000	BGP660 LED73-4S/830 I DW50 PC GR-2900	No

Order Code	Full Product Name	Dimmable
45027400	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	No
45028100	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	Yes
45029800	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	No

## General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Optical cover/ lens type	Lamp family code
45023600	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	152° x 155°	830 warm white	FG	LED20
45024300	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	30° - 5° x 153°	740 neutral white	FG	LED84
45025000	BGP660 LED73-4S/830 I DW50 PC GR-2900	23° - 8° x 152°	830 warm white	PCC	LED73
45027400	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	152° x 155°	830 warm white	FG	LED61

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Optical cover/ lens type	Lamp family code
45028100	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	30° - 5° x 153°	740 neutral white	FG	LED84
45029800	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	23° - 8° x 152°	830 warm white	PCC	LED73

## General Information (2/2)

## Harmony 1&2 LED

Order Code	Full Product Name	Lamp		Product
		version	Optic type	Family Code
45023600	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	4S	Distribution symmetrical 50	BGP660
45024300	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	4S	Distribution medium 50	BGP660
45025000	BGP660 LED73-4S/830 I DW50 PC GR-2900	-	Distribution wide 50	BGP660

Order Code	Full Product Name	Lamp		Product
		version	Optic type	Family Code
45027400	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	-	Distribution symmetrical 50	BGP661
45028100	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	-	Distribution medium 50	BGP661
45029800	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	-	Distribution wide 50	BGP661

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour	
			Rendering Index	Initial luminous flux
45023600	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	3000 K	≥80	1760 lm
45024300	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	4000 K	≥70	7392 lm
45025000	BGP660 LED73-4S/830 I DW50 PC GR-2900	3000 K	≥80	6216 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour	
			Rendering Index	Initial luminous flux
45027400	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	3000 K	≥80	5332 lm
45028100	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	4000 K	≥70	7392 lm
45029800	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	3000 K	≥80	6216 lm

