



# 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 meters, 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
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

### Features

- High level of energy efficiency and an extensive range of dimming options
- Optimized 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 centers : 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>	1200 - 9000 depending on configuration
<b>Luminaire efficacy</b>	Up to 130 lm/W
<b>Correlated Color</b>	3000 - 4000 K
<b>Temperature</b>	
<b>Color Rendering Index</b>	80 - 70
<b>Lumen maintenance at median useful life*</b>	up to L95
<b>100000 h</b>	
<b>Control gear failure rate at median useful life</b>	10%
<b>100000 h</b>	
<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>Controls 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 aluminum Glass: thermally hardened, 5 mm thick
<b>Color</b>	
	Gray Other RAL or AKZO Futura colors 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
	<b>Weight:</b> Harmony 1 LED: max. 15 kg Harmony 2 LED: max. 21.5 kg
	<b>Max SCx:</b> Harmony 1 LED: 0.07 m <sup>2</sup> Harmony 2 LED: 0.09 m <sup>2</sup>

## Versions



Harmony 1 LED BGP660 urban-lighting luminaire, post-top version



Harmony 1 LED BGP660 urban-lighting luminaire, suspended version



Harmony 1 LED BGP660 urban-lighting luminaire, side-entry version



Harmony 2 LED BGP661 urban-lighting luminaire, post-top version

# Harmony 1&2 LED

## Versions



Harmony 2 LED BGP661 urban-lighting luminaire, suspended version



Harmony 2 LED BGP661 urban-lighting luminaire, side-entry version



Harmony 1 LED with Clearstar light recipe



Harmony 2 LED with ClearStar light recipe

### Approval and Application

Mech. impact protection code IK09

### General Information

CE mark CE mark

Driver included Yes

Flammability mark -

Light source replaceable Yes

Number of gear units 1 unit

### Light Technical

Upward light output ratio 0.03

### Mechanical and Housing

Color Gray

### Application Conditions

Order Code	Full Product Name	Maximum dim level
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	-
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	10%
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	-
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	-
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	20%
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	-
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	-
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	-
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	-
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	-

## Approval and Application

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	Philips standard surge protection level
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	Philips standard surge protection level
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	Philips standard surge protection level

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	Philips standard surge protection level
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	Philips standard surge protection level
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	Philips standard surge protection level

## Harmony 1&2 LED

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

Order Code	Full Product Name	Surge Protection (Common/Differential)
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

### Controls and Dimming

Order Code	Full Product Name	Dimmable
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	No
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	Yes
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	No
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	No
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	Yes

Order Code	Full Product Name	Dimmable
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	No
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	No
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	No
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	No
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	No

### General Information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	ENEC mark
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	152° x 155°	830 warm white	Flat glass	-
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	30° - 5° x 153°	740 neutral white	Flat glass	-
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	23° - 8° x 152°	830 warm white	Polycarbonate bowl/cover clear	-
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	152° x 155°	830 warm white	Flat glass	-
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	30° - 5° x 153°	740 neutral white	Flat glass	-

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	ENEC mark
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	23° - 8° x 152°	830 warm white	Polycarbonate bowl/cover clear	-
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	-	518 ClearStar WW	Flat glass	ENEC mark
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	-	420 ClearStar NW	Flat glass	ENEC mark
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	-	518 ClearStar WW	Flat glass	ENEC mark
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	-	420 ClearStar NW	Flat glass	ENEC mark

### General Information (2/2)

Order Code	Full Product Name	Lamp family code	Lamp version	Optic type	Product Family Code	Service tag
912300023971	BGP660 LED20-4S/830	LED20	4S	Distribution symmetrical 50	BGP660	Yes

Order Code	Full Product Name	Lamp family code	Lamp version	Optic type	Product Family Code	Service tag
	DS50 FG GR-2900 DDF1					

## Harmony 1&2 LED

Order Code	Full Product Name	Lamp			Product	
		family code	Lamp version	Optic type	Family Code	Service tag
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	LED84	4S	Distribution medium 50	BGP660	-
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	LED73	-	Distribution wide 50	BGP660	-
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	LED61	-	Distribution symmetrical 50	BGP661	-
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	LED84	-	Distribution medium 50	BGP661	-
912300023977	BGP661 LED73-4S/830 I	LED73	-	Distribution wide 50	BGP661	-

Order Code	Full Product Name	Lamp			Product	
		family code	Lamp version	Optic type	Family Code	Service tag
	DW50 PC GR-2900 60					
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	LED50	4S	Distribution medium 11	BGP660	-
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	LED52	4S	Distribution medium 11	BGP660	-
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	LED50	4S	Distribution medium 11	BGP661	-
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	LED52	4S	Distribution medium 11	BGP661	-

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color	Initial
			Rendering Index	luminous flux
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	3000 K	≥80	1760 lm
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	4000 K	≥70	7392 lm
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	3000 K	≥80	6216 lm
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	3000 K	≥80	5332 lm
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	4000 K	≥70	7392 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color	Initial
			Rendering Index	luminous flux
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	3000 K	≥80	6216 lm
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	1800 K	48	3000 lm
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	2000 K	36	3120 lm
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	1800 K	48	3000 lm
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	2000 K	36	3120 lm

### Light Technical

Order Code	Full Product Name	Standard tilt	
		angle side entry	Standard tilt angle posttop
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	0°	0°
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	0°	0°
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	0°	0°

Order Code	Full Product Name	Standard tilt	
		angle side entry	Standard tilt angle posttop
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	0°	0°
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	0°	0°
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	0°	0°

## Harmony 1&2 LED

Order Code	Full Product Name	Standard tilt	
		angle side entry	Standard tilt angle posttop
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	-	-
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	-	-

Order Code	Full Product Name	Standard tilt	
		angle side entry	Standard tilt angle posttop
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	-	-
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	-	-

