



# 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

# Harmony 1&2 LED

## Versions



Harmony 12 LED-BGP660 FG 60P



Harmony 12 LED-BGP660 PC 60S



Harmony 12 LED-BGP660-FG G1



Harmony 12 LED-BGP661 FG 60P



Harmony 12 LED-BGP661 PC 60S



Harmony 12 LED-BGP661 FG G1



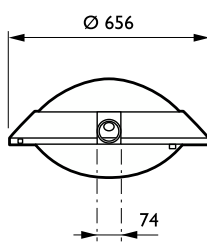
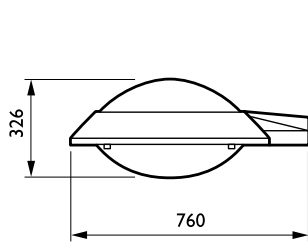
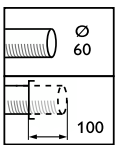
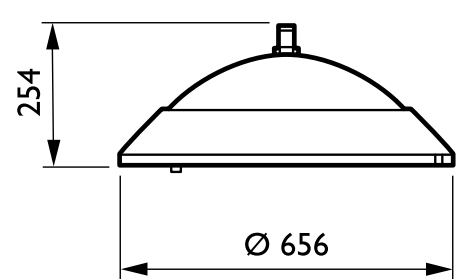
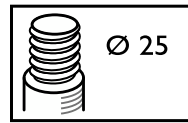
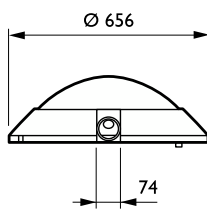
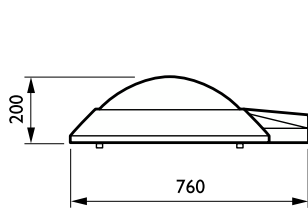
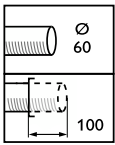
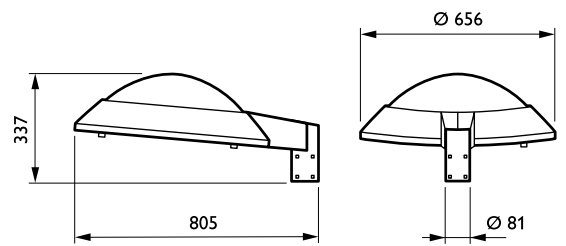
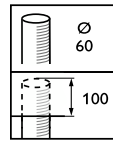
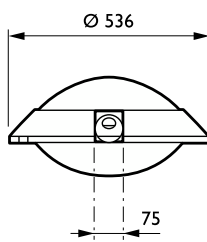
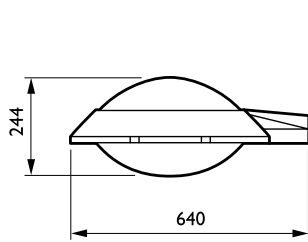
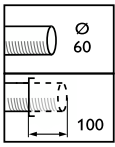
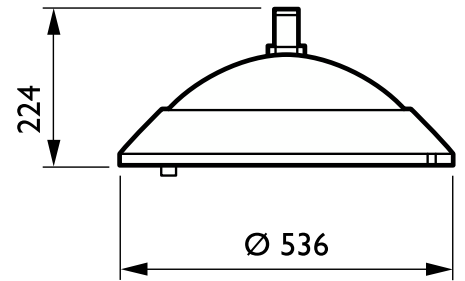
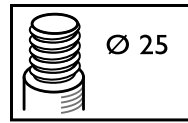
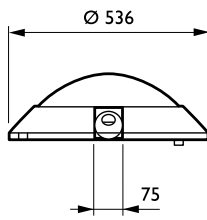
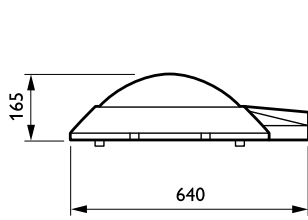
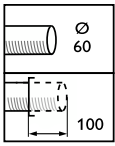
Harmony 2 LED with ClearStar  
light recipe



Harmony 1 LED with Clearstar light  
recipe

# Harmony 1&2 LED

## Dimensional drawing



# Harmony 1&2 LED

## General Information

CE mark	Yes
Driver included	Yes
Flammability mark	-
Light source replaceable	Yes
Number of gear units	1 unit

## Light Technical

Upward light output ratio	0.03
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## Approval and Application

Mech. impact protection code	IK09
Ingress protection code	IP66

## General Information

Order Code	Full Product Name	Lamp family code	Product family code	Service tag
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	LED20	BGP660	Yes
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	LED73	BGP660	-
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	LED84	BGP660	-
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	LED61	BGP661	-
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	LED73	BGP661	-
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	LED84	BGP661	-
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	LED50	BGP661	-
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	LED52	BGP661	-
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	LED50	BGP660	-
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	LED52	BGP660	-

## Light Technical (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Optical cover/ lens type
912300023971	BGP660 LED20-4S/830 0 DS50 FG GR-2900 DDF1	152° x 155°	830 warm white	3000 K	Flat glass
912300023973	BGP660 LED73-4S/830 0 I DW50 PC GR-2900	23° - 8° x 152°	830 warm white	3000 K	Polycarbonate bowl/cover clear
912300023972	BGP660 LED84-4S/740 0 PSD II DM50 FG GR D9	30° - 5° x 153°	740 neutral white	4000 K	Flat glass
912300023975	BGP661 LED61-4S/830 0 DS50 FG GR-2900 DDF1	152° x 155°	830 warm white	3000 K	Flat glass
912300023977	BGP661 LED73-4S/830 0 I DW50 PC GR-2900 60	23° - 8° x 152°	830 warm white	3000 K	Polycarbonate bowl/cover clear

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	
				Temperature (Nom)	Optical cover/ lens type
912300023976	BGP661 LED84-4S/740 0 II DM50 FG GR-2900 D	30° - 5° x 153°	740 neutral white	4000 K	Flat glass
912300024185	BGP661 LED50-4S/518 8 PSU DM11 FG GR 60S	-	518 ClearStar WW	1800 K	Flat glass
912300024190	BGP661 LED52-4S/420 0 PSU DM11 FG GR 60S	-	420 ClearStar NW	2000 K	Flat glass
912300024184	BGP660 LED50-4S/518 8 PSU DM11 FG GR 60S	-	518 ClearStar WW	1800 K	Flat glass
912300024189	BGP660 LED52-4S/420 0 PSU DM11 FG GR 60S	-	420 ClearStar NW	2000 K	Flat glass

## Light Technical (2/2)

# Harmony 1&2 LED

Order Code	Full Product Name	Color rendering			Standard tilt angle	
		index (CRI)	Luminous Flux	Optic type outdoor	side entry	Standard tilt angle posttop
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	≥80	1,760 lumen	Distribution symmetrical 50	0°	0°
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	≥80	6,216 lumen	Distribution wide 50	0°	0°
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	≥70	7,392 lumen	Distribution medium 50	0°	0°
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	≥80	5,332 lumen	Distribution symmetrical 50	0°	0°
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	≥80	6,216 lumen	Distribution wide 50	0°	0°

Order Code	Full Product Name	Color rendering			Standard tilt angle	
		index (CRI)	Luminous Flux	Optic type outdoor	side entry	Standard tilt angle posttop
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	≥70	7,392 lumen	Distribution medium 50	0°	0°
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	48	3,000 lumen	Distribution medium 11	-	-
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	36	3,120 lumen	Distribution medium 11	-	-
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	48	3,000 lumen	Distribution medium 11	-	-
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	36	3,120 lumen	Distribution medium 11	-	-

## Operating and Electrical

Order Code	Full Product Name	Power Consumption
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	16 W
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	55 W
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	49.5 W
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	45.5 W
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	55 W

Order Code	Full Product Name	Power Consumption
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	49.5 W
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	37.5 W
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	30.5 W
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	37.5 W
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	30.5 W

## Controls and Dimming

Order Code	Full Product Name	Dimmable
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	No
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	No
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	Yes
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	No
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	No

Order Code	Full Product Name	Dimmable
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	Yes
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	No
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	No
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	No
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	No

## Mechanical and Housing

## Harmony 1&2 LED

Order Code	Full Product Name	Housing Color
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	Gray
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	Gray
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	Gray
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	Gray
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	Gray

Order Code	Full Product Name	Housing Color
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	Gray
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	Black
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	Black
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	Black
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	Black

### 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
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	Philips standard surge protection level
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	Philips standard surge protection level
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	Philips standard surge protection level
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	Philips standard surge protection level
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	Philips standard surge protection level

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
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

### Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	-
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	-
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	-
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	-
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	-

Order Code	Full Product Name	Driver failure rate at 5000 h
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	-
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	0.1 %
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	0.1 %
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	0.1 %
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	0.1 %

### Application Conditions

Order Code	Full Product Name	Maximum dim level
912300023971	BGP660 LED20-4S/830 DS50 FG GR-2900 DDF1	-
912300023973	BGP660 LED73-4S/830 I DW50 PC GR-2900	-
912300023972	BGP660 LED84-4S/740 PSD II DM50 FG GR D9	10%
912300023975	BGP661 LED61-4S/830 DS50 FG GR-2900 DDF1	-
912300023977	BGP661 LED73-4S/830 I DW50 PC GR-2900 60	-

Order Code	Full Product Name	Maximum dim level
912300023976	BGP661 LED84-4S/740 II DM50 FG GR-2900 D	20%
912300024185	BGP661 LED50-4S/518 PSU DM11 FG GR 60S	-
912300024190	BGP661 LED52-4S/420 PSU DM11 FG GR 60S	-
912300024184	BGP660 LED50-4S/518 PSU DM11 FG GR 60S	-
912300024189	BGP660 LED52-4S/420 PSU DM11 FG GR 60S	-

## Harmony 1&2 LED

