# LUMISTREET GEN2 MINI

## BGP292 LED-HB/730 II DM32 CLO 13251 lm

## Introduction

Increasing numbers of municipalities are having to upgrade large-scale conventional street lighting installations with energy efficient LED technology. But they are having to do this with smaller and smaller budgets. That's why the new generation of LumiStreet has been upgraded and designed to provide a solution to this challenge, it is the ideal solution for performing point-to-point replacement of conventional lighting. LumiStreet gen2 achieves this by offering high efficiency, low Total Cost of Ownership, and ease of installation and maintenance. The ease of installation and maintenance is enabled by the Philips Service tag. Moreover, the Philips SR (System Ready) socket makes it future-ready and you can pair this luminaire with lighting control and software applications such as Interact City.

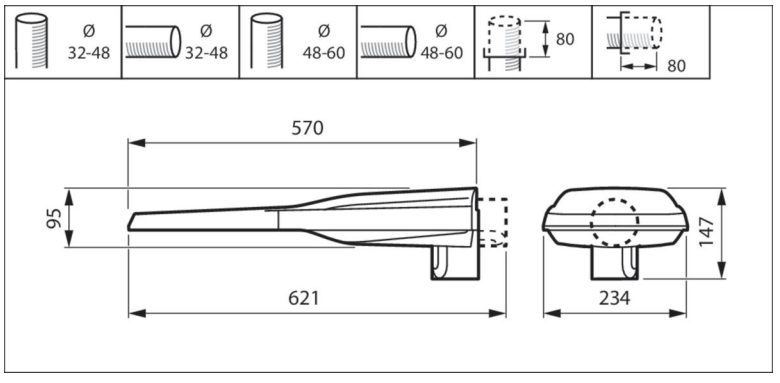
# Product Information

| | |
|---|---|
| **Product Family Code** | BGP292 |
| **Mechanical and Housing** | |
| **Housing Material** | Aluminum die cast |
| **Fixation material** | Aluminum |
| **Ingress protection code** | IP66 |
| **Mech. impact protection code** | IK08 |
| **Corrosion resistance** | 500 hours Salt Spray Test for standard version, 1.000 hours. Salt Spray Test optional Marine Salt Protection (MSP) |
| **Certification** | |
| **CE mark** | CE mark |
| **ENEC mark** | ENEC plus mark |
| **RoHS mark** | - |
| **WEEE mark** | - |
| **Protection class IEC** | II |
| **Service** | |
| **Warranty period** | 5 years |
| **Serviceability** | Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts |
| **Light source replaceable** | Yes |
| **Operating ambient temperature range Tamb** | -40 to +50 °C |
| **Performance ambient temperature (Tq)** | 25 °C |
| **L-Value** | 1 |
| **Lifetime** | 100000 h |
| **Surge protection** | 6KV in Common or Differential mode as standard, 10KV with optional Surge Protector Device (SPD) |

**IPEA - Energy classification**

| Road | | Large area | | Historical centers | | Green areas | | Cycle & pedestrian | |
|---|---|---|---|---|---|---|---|---|---|
| **IPEA** | **Class** | **IPEA** | **Class** | **IPEA** | **Class** | **IPEA** | **Class** | **IPEA** | **Class** |
| 1.57 | A4+ | 1.86 | A7+ | 2 | A9+ | 1.53 | A4+ | 1.53 | A4+ |

## Dimensional drawing(s) - mm



# Light technical Report

## Drivers

| | |
|---|---|
| **Description** | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt |
| **12NC** | 929002101306 |
| **Number of driver(s)** | 1 |
| **Number of luminaire per MCB 16A** | 10 |
| **Inrush current** | 47 A |
| **Inrush time** | 250 µs |
| **Input Voltage** | 220V-240V |
| **Input Frequency** | 50/60 Hz |
| **Start Current** | 746 mA |
| **End Current** | 790 mA |
| **System power (minimum)** | 93 W |
| **System power (maximum)** | 98 W |
| **System power (average)** | 95 W |
| **Power consumption tolerance** | +/-11% |
| **Power Factor (100%)** | 0.99 |
| **Power Factor (50%)** | 0.98 |
| **Connectivity** | No connectivity |
| **Dimming** | No dimming |

## Light engine

| | |
|---|---|
| **Light source engine type** | LED |
| **Number of LED** | 40 |
| **Initial LED luminaire efficacy (source)** | 142 lm/W |
| **Initial LED luminaire efficacy (system)** | 130 lm/W |
| **Light source colour** | 730 (Warm White) |
| **Init. colour Rendering Index** | 70 |
| **Init. CRI tolerance** | +/-2 |
| **Init. Corr. colour Temperature** | 3000 K |
| **Initial tolerance** | +/- 120 K (5 SDCM) |
| **End of life tolerance** | +/- 165 K |
| **Initial luminous flux (source)** | 13251 lm |
| **Luminous flux tolerance** | +/-7% |
| **Initial luminous flux (system)** | 12092 lm |
| **Photobiological risk** | Risk group 0 (exempt) according to EN IEC 62471 |

## Optics

| | |
|---|---|
| **Optical configuration** | DM32 |
| **LOR** | 0.91 |
| **ULR at tilt=0°** | 0.00% |
| **G* at tilt=0°** | G*4 |
| **Imax (at 90° and above)** | 0 cd/klm |
| **CIE code** | 37 77 99 100 91 |



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