



## LUMISTREET GEN2 MICRO

**BGP291 LED-HB/730 II DM32 7526 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.

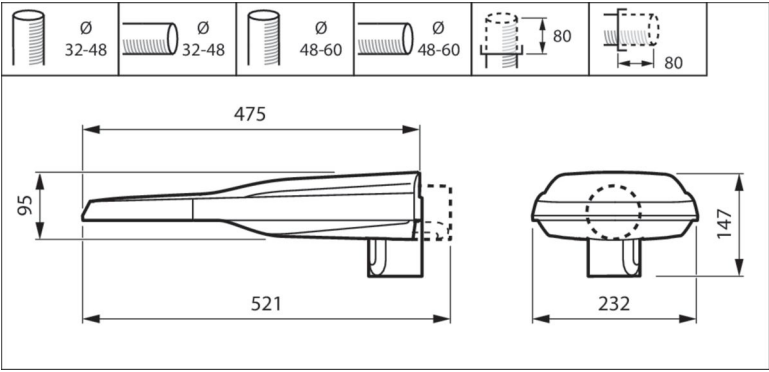
## Product Information

<b>Product Family Code</b>	BGP291
<b>Mechanical and Housing</b>	
<b>Housing Material</b>	Aluminum die cast
<b>Fixation material</b>	Aluminum
<b>Ingress protection code</b>	IP66
<b>Mech. impact protection code</b>	IK08
<b>Corrosion resistance</b>	500 hours Salt Spray Test for standard version, 1.000 hours. Salt Spray Test optional Marine Salt Protection (MSP)
<b>Certification</b>	
<b>CE mark</b>	CE mark
<b>ENEC mark</b>	ENEC plus mark
<b>RoHS mark</b>	-
<b>WEEE mark</b>	-
<b>Protection class IEC</b>	II
<b>Service</b>	
<b>Warranty period</b>	5 years
<b>Serviceability</b>	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
<b>Light source replaceable</b>	Yes
<b>Operating ambient temperature range Tamb</b>	-40 to +50 °C
<b>Performance ambient temperature (Tq)</b>	25 °C
<b>L-Value</b>	L90
<b>Lifetime</b>	100000 h
<b>Surge protection</b>	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
1.74	A6+	1.82	A7+	2.12	A10+	1.7	A5+	1.7	A5+

Dimensional drawing(s) - mm



# Light technical Report

## Drivers

Description	Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt
12NC	929002101506
Number of driver(s)	1
Number of luminaire per MCB 16A	10
Inrush current	43 A
Inrush time	260 µs
Input Voltage	220V-240V
Input Frequency	50/60 Hz
Current	854 mA
System power (minimum)	54 W
System power (maximum)	54 W
System power (average)	54 W
Power consumption tolerance	+/-11%
Power Factor (100%)	0.98
Power Factor (50%)	0.95
Connectivity	No connectivity
Dimming	No dimming

## Light engine

Light source engine type	LED
Number of LED	20
Initial LED luminaire efficacy (source)	139 lm/W
Initial LED luminaire efficacy (system)	127 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)	7526 lm
Luminous flux tolerance	+/-7%
Initial luminous flux (system)	6868 lm
Photobiological risk	Risk group 0 (exempt) according to EN IEC 62471

## Optics

<b>Optical configuration</b>	DM32
<b>LOR</b>	0.91
<b>ULR at tilt=0°</b>	0.00%
<b>G* at tilt=0°</b>	G*4
<b>I<sub>max</sub> (at 90° and above)</b>	0 cd/klm
<b>CIE code</b>	37 77 99 100 91

