



## UNISTREET GEN2 LARGE

**BGP284 LED-HB I 30000 lm-4S/740 DM11**

### Introduction

Designed for large-scale ledification projects, the UniStreet gen2 is the ideal 1:1 luminaire replacement for municipalities. Thanks to its high efficiency and low initial cost, the UniStreet gen2 luminaire enables a fast payback and significant savings in terms of energy consumption within a short period of time. The ease of installation and maintenance is enabled by the Philips Service tag and 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. Available with a number of different optics and lumen packages that can even be tuned further to fit exact project requirements, UniStreet gen2 is a true point-to-point replacement solution for conventional light sources. The compact luminaire, using high-quality materials is also easy to dismantle and recycle at the end of its lifetime.

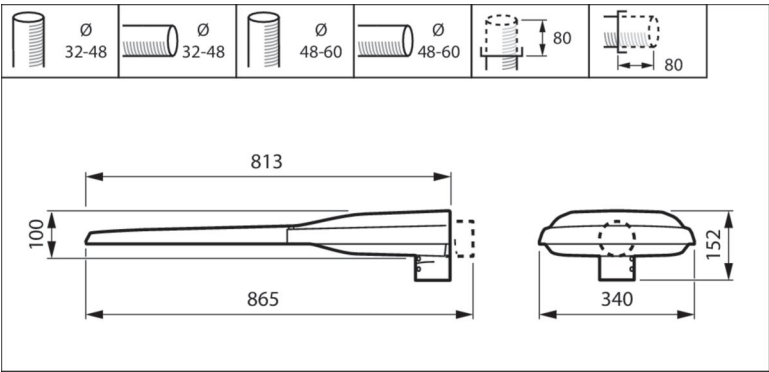
## Product Information

<b>Product Family Code</b>	BGP284
<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>	I
<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>	L96
<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
1.52	A4+	1.99	A8+	2.13	A10+	1.66	A5+	1.66	A5+

Dimensional drawing(s) - mm



# Light technical Report

## Drivers

Description	Xi FP 150W 0.2-0.7A SNLDAE 230V S240 sXt
12NC	929002128606
Number of driver(s)	2
Number of luminaire per MCB 16A	8
Inrush current	53 A
Inrush time	300 µs
Input Voltage	220V-240V
Input Frequency	50/60 Hz
Current	505 mA
System power (minimum)	180 W
System power (maximum)	180 W
System power (average)	180 W
Power consumption tolerance	+/-11%
Power Factor (100%)	0.99
Power Factor (50%)	0.97
Connectivity	No connectivity
Dimming	No dimming
Light source engine type	LED
Number of LED	120
Initial LED luminaire efficacy (source)	167 lm/W
Initial LED luminaire efficacy (system)	149 lm/W
Light source colour	740 (Neutral White)
Init. colour Rendering Index	70
Init. Corr. colour Temperature	4000 K
Initial tolerance	+/- 275 K
End of life tolerance	+/- 350 K
Initial luminous flux (source)	30000 lm
Luminous flux tolerance	+/-7%
Initial luminous flux (system)	26842 lm
Photobiological risk	Risk group 0 (exempt) according to EN IEC 62471

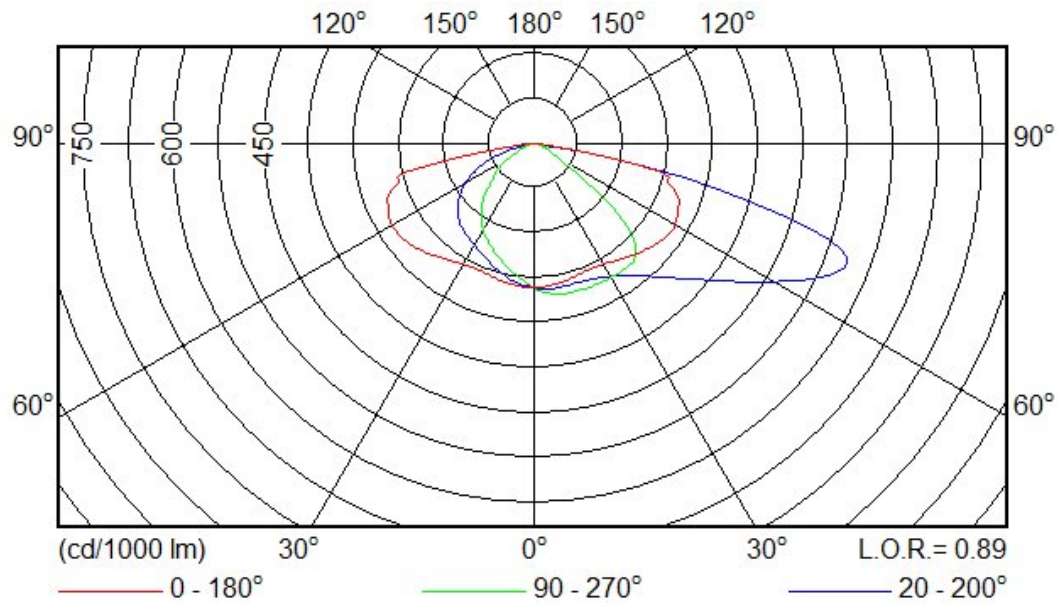
## Optics

Optical configuration	DM11
LOR	0.89
ULR at tilt=0°	0.00%
CIE code	39 75 97 100 89

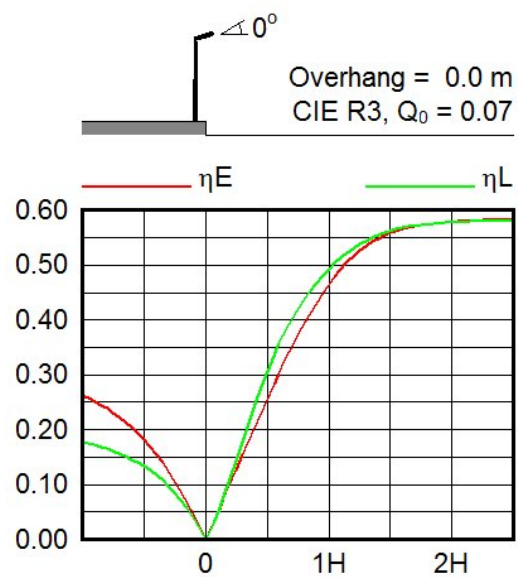


# Photometric Graphs

## Polar intensity diagram



## Utilisation factor curve and luminance yield diagram Relative isolux diagram



### Horizontal Illuminance $\angle 0^\circ$

H	$E_{max}$
(m)	(lux)
4.0	463
6.0	206
8.0	116

M.F. = 1.0

