

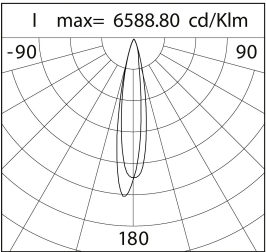


**General Features**

Description: LED fitting for lighting façades, paths and urban spaces
Insulation class: Class II
Rated voltage: 220-240 V 50/60 Hz
Protection Grade: IP66
Impact protection: IK07
Surge protection device: integrated 2kV-4kV
Power Factor: > 0.95
Ambient temperature Ta: -30°C +50°C
Weight: 4.5 kg
Max exposed surface: 0.04 m <sup>2</sup>
Lateral exposed surface: 0.015 m <sup>2</sup>
Common mode surge protection: 2 kV
Overvoltage protection differential mode: 4 kV
Driver: included
Marks and Certifications: CE



**GRA 18**



see Accessories

**Performance Data\***

Source flow:	1620 lm
Source power:	16 W
Source efficiency:	101 lm/W
Device flow:	1230 lm
Device power:	18 W
Appliance efficiency:	68 lm/W

**Optical System**

Source: 5 LED
Color Temperature: 2200 K
Color Rendering Index (CRI): ≥ 80
Chromatic consistency (SDCM): ≤ 3
Type of optics: M 18° Medium beam
Optical group life: >60.000 h @ Ta 25°C L80B10
Photobiological safety class: EXEMPT GROUP
ULOR: 0%
DLOR: 100%

**Normative References**

EN60598-1 / EN60598-2-3 / EN61547 / EN62471 / EN55015 / EN61000-3-2 / EN61000-3-3
---

**Installation and maintenance**

Installation: wall, ceiling, ground
Tilt: -90° +130° continuously adjustable
Ø power cable: 7 ÷ 13 mm
Cable Gland: M20
Power supply compartment: independent from the optical group

**Flow adjustment**

DALI control	Standard X
--------------	---------------

**Materials**

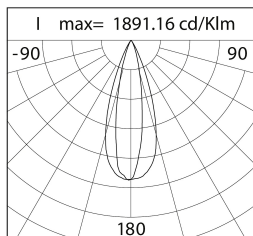
Body: die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%)
Screen: tempered flat glass 4 mm
Lenses: high-transparency PMMA
Seals: anti-age silicone
Screws: stainless steel AISI 304
Finish: phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

**Colors**

 White RAL9003	Code: <b>06K11C01201C6DJHL</b>
---	--------------------------------

## Complements

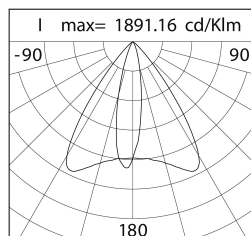
**GRA 30x18**



06KI901X0

Kit converter medium beam 30°x18°

**GRA 60x18**



06KI902X0

Kit converter wide beam 60°x18°



06KI911X0

Wall Spacer

## NOTES

### \*Performance data

The values indicated in this data sheet are nominal values with a tolerance of +/-7%.

Source flux and source efficiency data refer to the LED module without optics; in case you are interested in the performance of the LED module complete with optical system, you must multiply the data reported by the factor 0.9.

### General Data

The characteristics of the product listed may be subject to change and must be confirmed when ordering.

In order to promote constant updating of its products, Cariboni Group reserves the right to make changes without prior notice.