

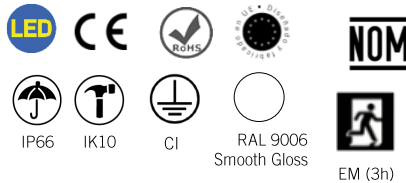
# PEC

## GEN4



### KEY ADVANTAGES

- Designed for industrial areas.
- Mounting brackets included.
- Up to 173m/ W.
- Sturdiness: IP66 + IK10
- LED technology ensuring high-quality lighting and energy reduction.
- TA: (-25°C + 35°C)
- TE: (-40°C to 50°C)
- Lifetime L80B50 100,000 h at Ta 25°C.
- Mounted on the ceiling or suspended.
- Tool-free access.



4,000K  
CRI>80  
220 - 240V  
50-60 Hz  
L80B50  
Ta 25°C

### DESCRIPTION

PEC LED is Carandini's LED waterproof luminaire designed for explosive environments. It is a dust- and humidity-proof luminaire with high impact resistance, which make it ideal as a solution for industrial environments, logistics centres, warehouses, corridors and other similar areas.

Moreover, it incorporates some versions prepared to be mounted in environments with extreme temperatures, such as cold stores.



2,554 lm-8,666lm



-25°C - +35°C  
-40°C to 50°C



173lm /W  
Luminaire



1.30 - 3.30 Kg

### STANDARDS / CERTIFICATES

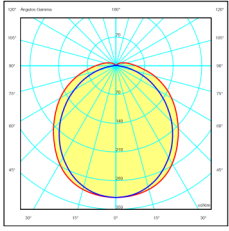
- CE
- RoHS
- EN 60598-1:2015/ac:2016
- EN 60598-2-1:2014
- EN 61000-3-2 :2014
- UNE-EN 61000-3-3:2013
- UNE-EN 55015:2006+A2:2009
- UNE-EN 61547:2009

**\*Test reports from independent ENAC accredited laboratories or equivalent**

Measurements taken at an ISO 17025 approved laboratory.  
Meets the minimum CEI - IDAE requirements

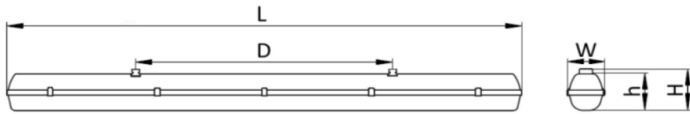
**PHOTOMETRIC CONFIGURATIONS**

Photometric configuration available for use in various environments where this type of luminaire might be installed, meaning it can be adapted to fit all require-



IS80

**DIMENSIONS**



SIZE	L (mm)	W (mm)	H (mm)	D (mm)	h
N	662	96 146	100	350	100
S	1272	96 146		700	
M	1572	96		940	

**APPLICATIONS**

Industrial areas, corridors, cold warehouses, cold stores, parking spaces and general lighting.



**PEC CHARACTERISTICS**

GENERAL CHARACTERISTICS	
Materials and finishing	Stabilised UV polycarbonate body and diffuser. Gasket: Includes silicone gasket. The quality of materials and the coating process ensures a long mechanical life for the product. Closing clips: Fiberglass or Stainless steel.
Exterior nuts and bolts	Stainless steel (AISI304).
General ingress protec-	IP66 (EN 60598-1 and EN 60529)
Degree of protection against impacts	IK10 (EN 62262)
Operating temperature	TA: (-25°C + 35°C) TE: (-40°C to 50°C)
Estimated life	L80B50 100,000h at Ta 25°C. Light maintenance values at TM-21 based on LM-80 data.

ELECTRICAL CHARACTERISTICS	
Electrical class	Class I
Input voltage	220 V - 240 V / 50 Hz - 60 Hz
Power factor	> 0.95
Harmonic distortion	< 10%
Control gear	ECG on/off
Integrated sensor	None
Connection	Terminal push-in, 3x2x2.5mm <sup>2</sup>

MAINTENANCE AND ASSEMBLY	
Installation and maintenance	On the ceiling or on the wall (mounting brackets included) or suspended (hooks included). Terminal push-in, 3x2x2.5mm <sup>2</sup> . Cable diameter: Ø7-13 mm
Equipped weight	1.30Kg—1.80Kg—2.10Kg 2.60 Kg— 2.80Kg—3.30Kg

LIGHTING CHARACTERISTICS	
Real luminous flux	2,554 lm up to 8,666 lm (19 to 59W).
LED colour temperature	4,000K (Neutral White, nw). 3,000K (Neutral White, nw).
Colour rendering index (CRI)	CRI>80.
LEDs	Different versions are provided with 1 LED strip. Wide beam light distribution.

MANAGEMENT AND CONTROL	
Devices	1N: LED 1 level RD: Adjustable LED Protocol DALI EM3: Emergency 3h EM3A: Emergency 3h equipped with independent testing system. S-EM: Without emergency

**LOGISTICAL INFORMATION**

Total weight (kg): 1.43  
 Net weight (kg): 1.3  
 Quantity included in package (pcs): 1  
 Packaging volume (m3/pcs): 0.008747332  
 Pallet quantity (pcs): 100