



## ZOE STEP-MARKER IP54

### Typology

Die-cast aluminium recessed step-marker.

### Features

Extremely compact, indirect lighting, staggered reflective compartment to maximise flux and optics protected from insects.

### Installation

Recessed using the springs supplied.

### Material

Powder coated die-cast aluminium in three different colours.

### Applications

Pathway marker.  
Ideal for use on stairs to improve safety.  
The back box is automatically shipped with each item at no additional cost.

**BASIC**

220-240  
Vac

Ra >80



15000 h  
L70B20

IP54

-25°C  
+35°C

Risk  
Group 0



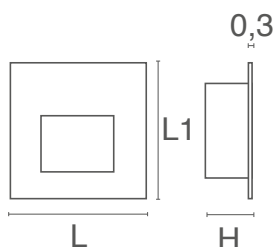
120°



### Characteristic data

Power	3 W	Beam	120°	Dimmable	No	Input	220-240 Vac
IP	54	Flux	90 lm	PF	0,51	Tc	4000 K
Ra	>80	LED Warranty	G2	RG	RG0	Color	Black

### Dimensional characteristics



L	84 mm
L1	84 mm
H	30 mm

## Lighting and photometric features

Beam opening	120°
Flux	90 lm
CCT nominal colour temperature	4000 K
Colour of the light	Natural light
Colour rendering index	>80
Lifespan	15000 h
LED lifespan	L70B20
Trigger time	<0,2 s
Heating time up to 60% of full efficiency	Instant Full Light

## Electrical characteristics

Rated power	3 W
Input voltage	220-240 Vac
Frequency	50/60 Hz
Dimmable	No
Power factor (PF)	0,51
Weighted energy consumption	3 kWh/1000h
Number of cycles	100000
Operating temperature	-25°C / +35°C

## Photometry

	4000K	H(m)	D1(m)	D2(m)	E <sub>max</sub> (lx)	
	Ra80		111°	112°		
	Fixture Power	3W	1	2.93	4.61	21
	Source Flux	90lm	2	5.86	9.22	5
	Fixture Flux	90lm	3	8.80	13.83	2
	Efficacy	30lm/W	4	11.73	18.44	1
	941208 I <sub>max</sub> =815cd/klm	I <sub>max</sub>	73cd	5	14.66	23.05

EulumDat file on the site

## LED Warranty

G2	Up to 2 years (4000h/year) * 4000h = 11h a day x 365 days. Without limitations on the duration of use for the first year, provided the observance of the installation conditions.
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## European Directives

2009/125/EC \* Ecodesign  
2011/65/EU \* RoHS  
2012/19/EU \* RAEE  
2014/30/EU \* EMC  
2014/35/EU \* LVD  
2015/863 \* Amending RoHS  
2017/1369 \* Regulation for Energy Labelling  
2019/2015 \* Regulation for Energy Labelling  
2019/2020 \* Regulation for Ecodesign  
2021/340 \* Amending Reg. Energy Labelling  
2021/341 \* Amending Reg. Ecodesign

## Product standards

CEI EN 55015:2020 (+A11:2020)  
CEI EN 60598-1:2022  
CEI EN 60598-2-1:2022  
CEI EN 61000-3-2:2019 (+A1:2021)  
CEI EN 61000-3-3:2014 (+EC1:2014/+EC2:2016/+A1:2021/+A2:2022)  
CEI EN 61547:2010  
CEI EN 62031:2021 (+A11:2022)  
CEI EN 62471:2010  
IEC/TR 62471-2:2009  
CEI EN 62493:2015  
CEI 34-141:2014

## Logistics data

Item net weight	180 gr
Barcode single item	8011905941185
Number of pieces multiple pack	50
Barcode multiple pack	8011905958725
Minimum order quantity	1
Minimum packaging	1 / 50