

## Radar Outdoor

The **hansen Radar Outdoor** is a highly flexible light source designed for backlighting acrylic glass, banner fabric or similar translucent materials. Its primary application is the illumination of flat light boxes or banner fabric systems with a depth of 60 to 150 mm.

The **Radar Outdoor** system consists of a chain of series-connected LEDs. Each LED is provided with an anti-parallel protective diode mounted on the same circuit board. For better protection against moisture the entire module is embedded in polyamide material.

LED spacing, overall length, brightness and colour temperature of the Radar-LED system can be specified by the customer.

### General data:

Type of connection	Series connection
Power supply unit	<b>hansen</b> converter type C100 / ...
Degree of protection	IP65
Class of protection	II
Ambient temperature range	-25 °C to +65 °C
Residual luminous flux	70% after 50,000 operating hours
UV resistance	yes
Conformity	CE, RoHS
Connecting cable	PVC cable; 0.5 mm <sup>2</sup> ; 1,000 VDC

### Electrical data (one Radar Outdoor LED):

Voltage	5.6 to 6.2 V
Operating current	100 mA

### Photometric data (one Radar Outdoor LED):

Colour temperature	Luminous flux
White 3,000 K	64.1 lm
White 4,000 K	70.1 lm
White 5,000 K	72.4 lm
White 6,500 K	68.8 lm

LED radiation angle 160°

Colour rendering, white CRI 80

Note: Tolerance of the photometric data: +/- 10%

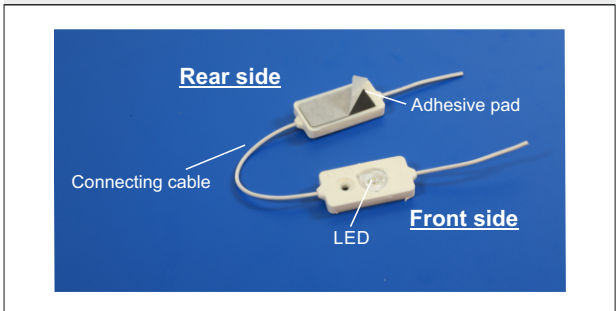
### Material:

Lower part of Radar Outdoor LED	ABS
Upper part of Radar Outdoor LED	Polyamide
Operating temperature	-30 °C to +95 °C
Dielectric strength	ABS: 41 kV/mm; polyamide: 25 kV/mm
Flammability	ABS: UL 94 HB; polyamide: UL 94 V-0

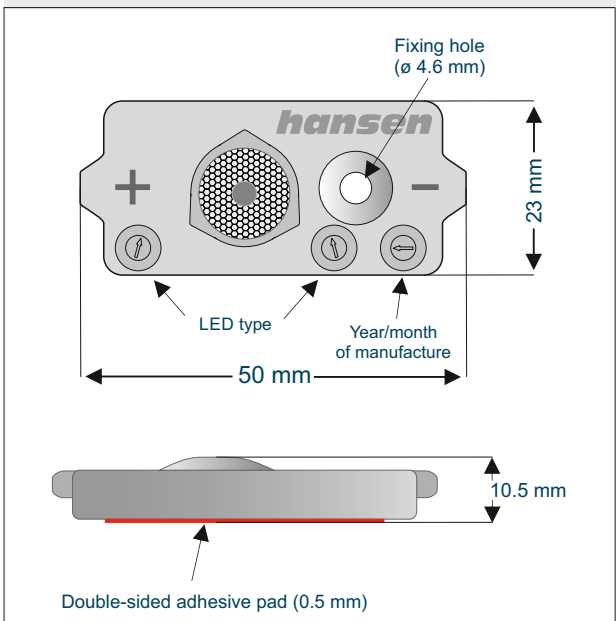
### Radar-LED:



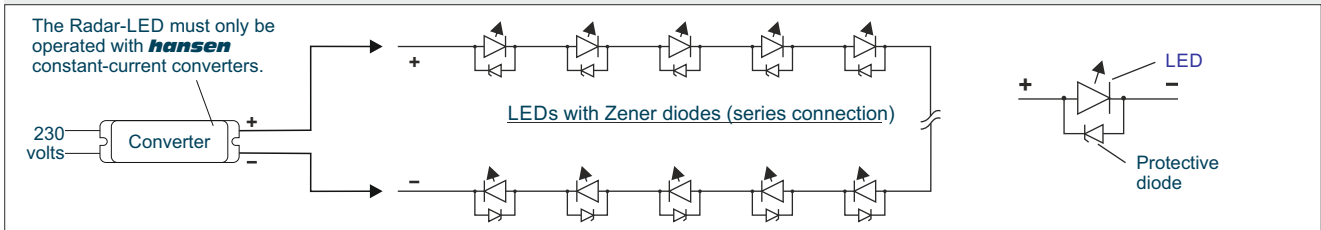
### Radar-LED system – overview:



### Dimensions/identification:



### Wiring diagram:



All values refer to an ambient temperature of +25 °C.