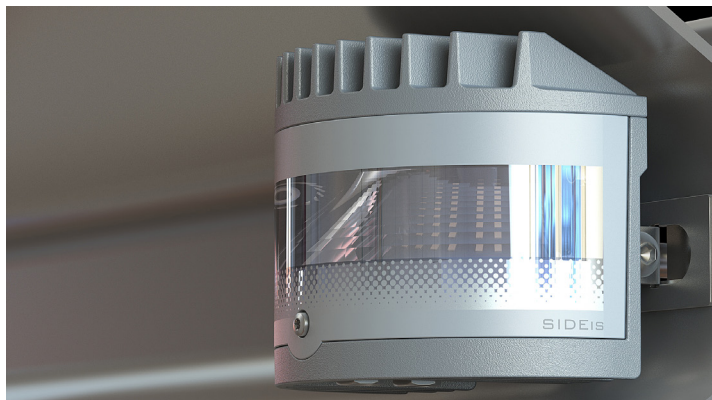


Product description



SIDEiS One is an innovative roadway, tunnel, pedestrian and architectural outdoor LED luminaire, conceived to be installed on low supports (poles, guard rail, cabletrays, bollards) to assure high luminance/illuminance levels on wide areas.

SIDEiS ORDERING INFORMATION*

Example: **S1T0740G13F1D**

MODEL	PHOTOMETRY	CRI	CCT	COLOUR	POWER	CONTROL MODE	CABLE	CABLING
S 1 (One)	T0 (Transversal)	7 (70)	30 (3000K)	G (grey)	13 (13W)	F (fixed output)	1 (1.5m)	D (cable gland)
	FC (Forward-Central)	8 (80)	40 (4000K)	B (black)	16 (16W)	E (external driver)	2 (2.5m)	T (cable grommet)
	L0 (Long)							
	PR (Pro-Beam-Right)							
	PL (Pro-Beam-Left)							

* SIDEiS requires a dedicated mounting bracket. Refer to section Accessory mounting systems

LABELS



Developed and produced in Italy



Ecofriendly Design

General info

Usage Motorways, tunnels, underpasses, cicetracks, bridges

Dimensions (LxDxH) 102x73x76 mm

Weight (without cable) 0.4 kg

Maximum wind exposed area 0.007 m²

Materials

- Body in EN AB 46100 powder coated, anodised aluminum
- Optical group in transparent PMMA
- Gaskets in silicone foam
- Screws in AISI 304 (A2) steel
- Tightening torque for assembly screws 1.4±0.33Nm

Colours

- Standard colour brilliant grey RAL9007
- Other colours on request

Finishes

- Nanocoating technology for self-cleaning lens
- Endurance tested in salt fog ambient 1500h

IP rating IP66

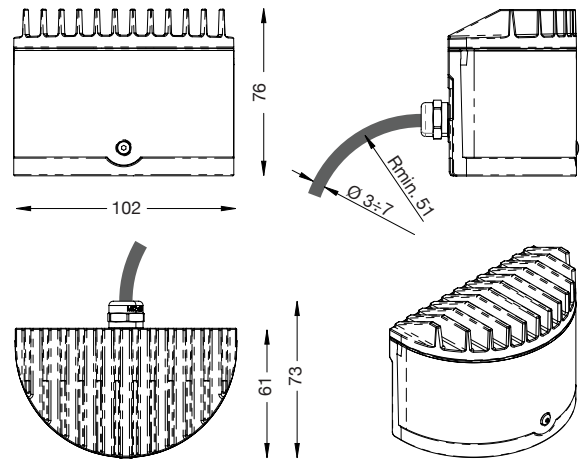
IK rating IK08

Operating temperature (Ta) -40° up to 50°

Warranty 5 Years

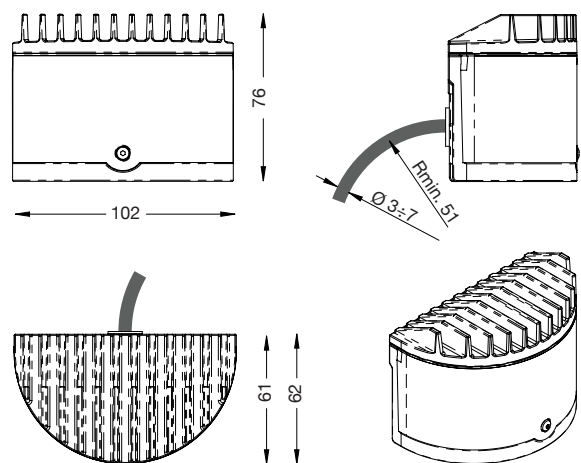
Version with cable gland

- To be installed with accessory mounting kit BRK-F, BRK-W, BRK-P (see section on page 9)



Version with cable grommet

- To be installed with accessory mounting kit BRK-G (see section on page 9)



Electrical info

LED SOURCE

Type Multi-chip LED board

CCT 3000K and 4000K standard

Colour rendering index 70, 80 CRI

Colour consistency SDCM 3

Photobiological risk (for EN 62471:2008) RG1

Average life @Ta 25° 50000h L90 B10

FEATURES

Nominal voltage @48Vdc ±5% (on board driver)

Power consumption (for 4000K CRI70 LED) 12.7W @350mA

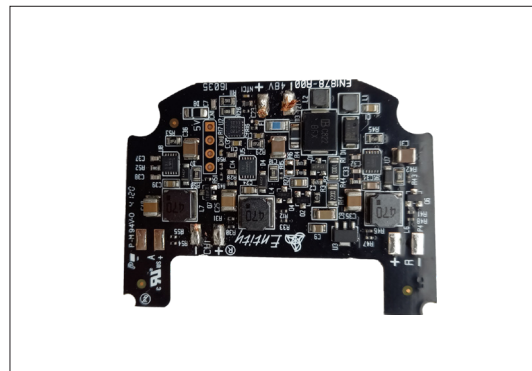
Insulation class



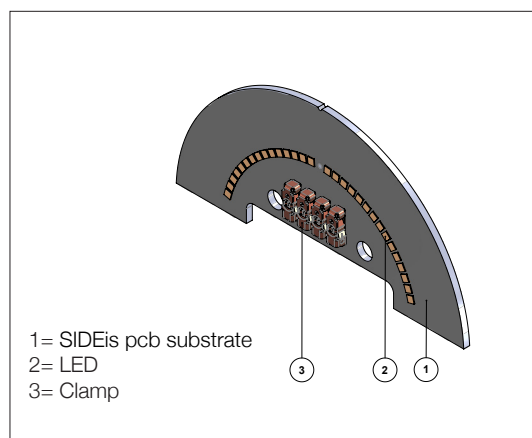
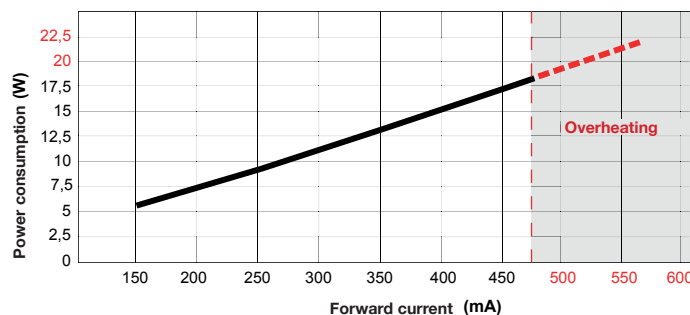
Electromagnetic compatibility (EMC) -40° up to 50°

Control systems Fixed output

Cables and connections Standard length 1.5m, Ø3÷7mm, 2x0.75mm² - IP68 male and female connector on demand

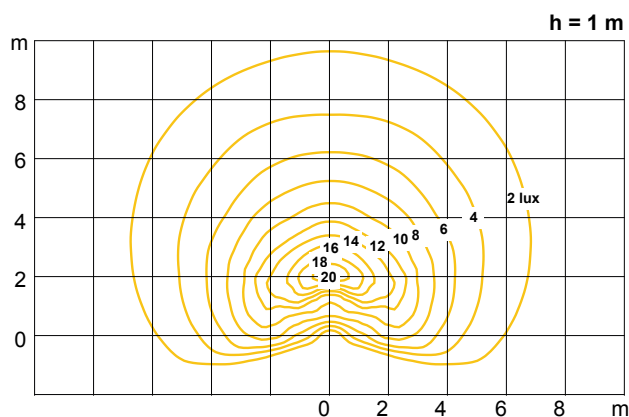
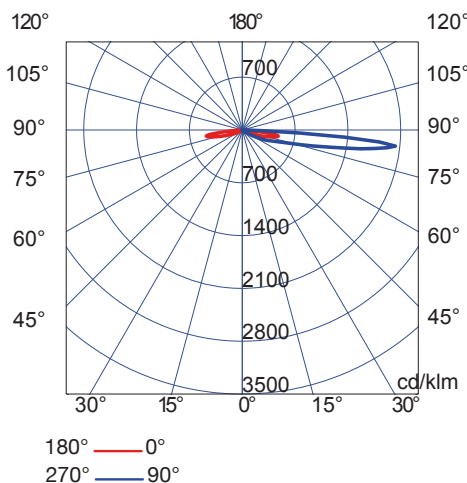


Power consumption vs. forward current

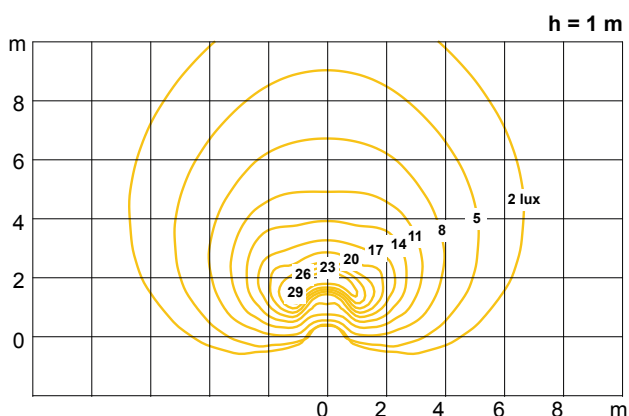
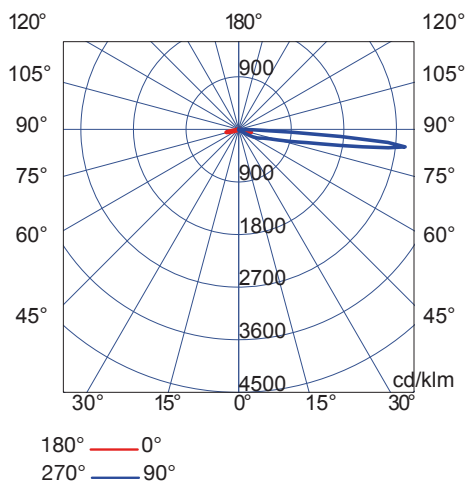


Photometry

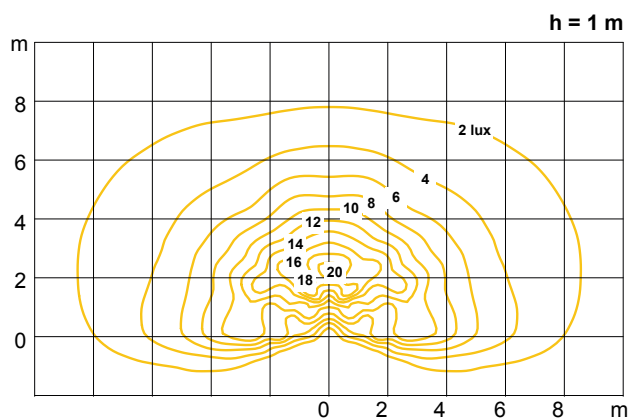
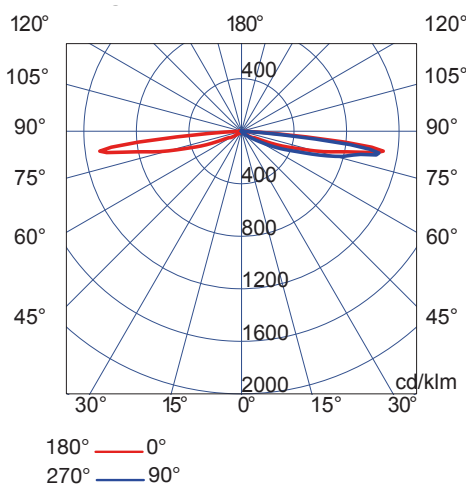
T0
Transversal



FC
Forward central

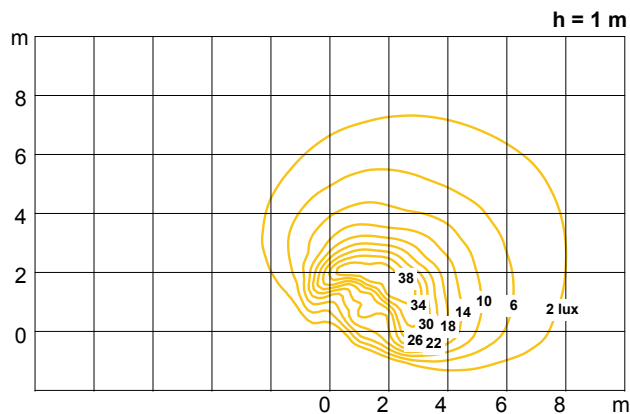
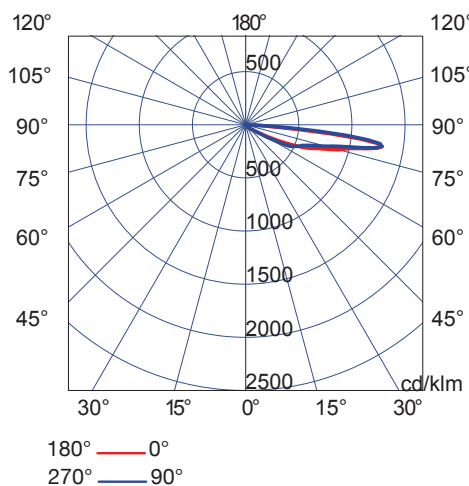


LO
Long

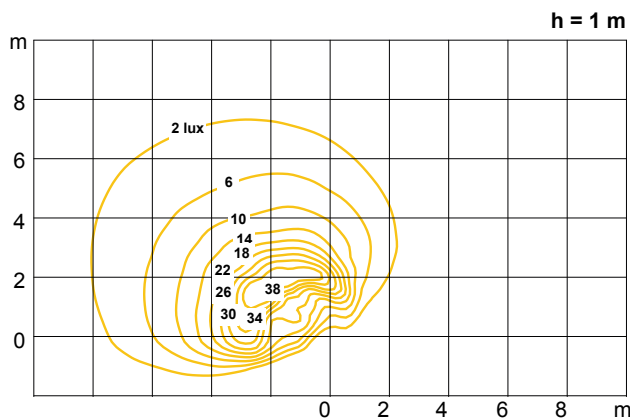
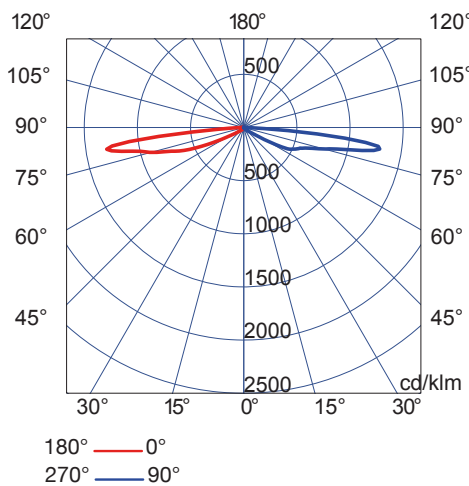


Photometry

PR
Pro beam right



PL
Pro beam left



Photometry

LEDs on the PCB can be remotely controlled, giving SIDEIS the possibility to create several lighting scenarios and photometric distributions (polymorphic photometrics).

Photometric data (4000K CRI70)

Optic

	Imax @	2068 cd/klm @ C=88° G=84°
T0	Output flux	1188 lm @350 mA
	LOR	100%
	Light efficacy	94 lm/W
	Imax @	2900 cd/klm @ C=90° G=84°
FC	Output flux	1275 lm @350 mA
	LOR	100%
	Light efficacy	100 lm/W
	Imax @	1544 cd/klm @ C=32° G=84°
LO	Output flux	1093 lm @350 mA
	LOR	100%
	Light efficacy	86 lm/W
	Imax @	2579 cd/klm @ C=40° G=83°
PR	Output flux	1206 lm @350 mA
	LOR	100%
	Light efficacy	95 lm/W
	Imax @	2579 cd/klm @ C=140° G=83°
PL	Output flux	1206 lm @350 mA
	LOR	100%
	Light efficacy	95 lm/W

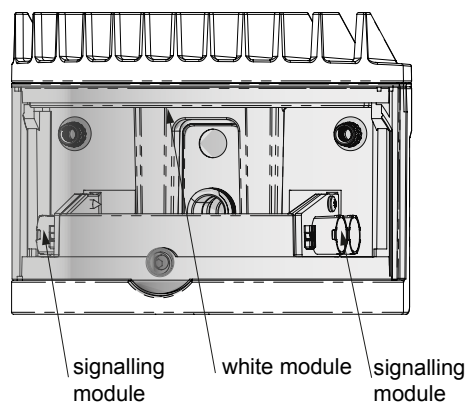
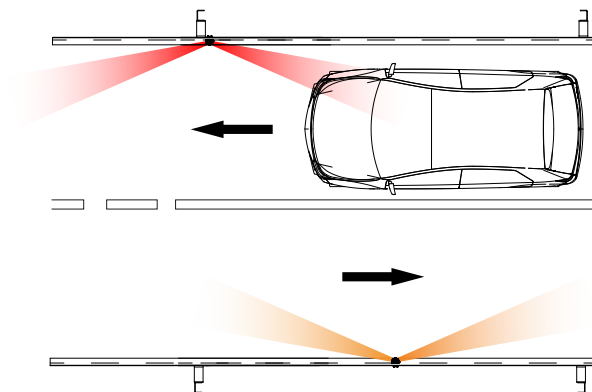
SIDEIS ONE**TECHNICAL DATA****(fixed output, internal 48V driver - no signal module)**

MODEL	PHOTOMETRY	CRI	CCT	SIDEIS Vdc(V)	SIDEIS Power	Led Forward	SIDEIS Flux	SIDEIS Efficacy
					Consum. (W)	Current (mA)	(Lm)	(Lm/W)
SIDEIS One	Transversal	70	4000K	48V	12,7W	350mA	1188	94
SIDEIS One	Forward-Central	70	4000K	48V	12,7W	350mA	1275	100
SIDEIS One	Long	70	4000K	48V	12,7W	350mA	1093	86
SIDEIS One	Pro-Beam-Right	70	4000K	48V	12,7W	350mA	1206	95
SIDEIS One	Pro-Beam-Left	70	4000K	48V	12,7W	350mA	1206	95
SIDEIS One	Transversal	70	4000K	48V	16,4W	450mA	1413	86
SIDEIS One	Forward-Central	70	4000K	48V	16,4W	450mA	1517	92
SIDEIS One	Long	70	4000K	48V	16,4W	450mA	1300	79
SIDEIS One	Pro-Beam-Right	70	4000K	48V	16,4W	450mA	1435	87
SIDEIS One	Pro-Beam-Left	70	4000K	48V	16,4W	450mA	1435	87
SIDEIS One	Transversal	70	3000K	48V	9,0W	250mA	895	99
SIDEIS One	Forward-Central	70	3000K	48V	9,0W	250mA	960	106
SIDEIS One	Long	70	3000K	48V	9,0W	250mA	823	91
SIDEIS One	Pro-Beam-Right	70	3000K	48V	9,0W	250mA	908	101
SIDEIS One	Pro-Beam-Left	70	3000K	48V	9,0W	250mA	908	101
SIDEIS One	Transversal	70	3000K	48V	12,7W	350mA	1162	91
SIDEIS One	Forward-Central	70	3000K	48V	12,7W	350mA	1247	98
SIDEIS One	Long	70	3000K	48V	12,7W	350mA	1069	84
SIDEIS One	Pro-Beam-Right	70	3000K	48V	12,7W	350mA	1179	93
SIDEIS One	Pro-Beam-Left	70	3000K	48V	12,7W	350mA	1179	93
SIDEIS One	Transversal	70	3000K	48V	16,5W	450mA	1383	84
SIDEIS One	Forward-Central	70	3000K	48V	16,5W	45mA	1484	90
SIDEIS One	Long	70	3000K	48V	16,5W	450mA	1273	77
SIDEIS One	Pro-Beam-Right	70	3000K	48V	16,5W	450mA	1404	85
SIDEIS One	Pro-Beam-Left	70	3000K	48V	16,5W	450mA	1404	85

Accessories on request

SIGNALLING MODULES

SIDEis can be equipped with additional reporting LED modules in amber and red colour. This way SIDEis is transformed into a configurable road flasher essential in presence of fog, accidents, queues and each sort of danger on lane. Photometric features of these modules allow SIDEis to achieve L2H class complying EN 12352:2006 standard (Traffic control equipment - Warning and safety light). Each luminaire is able to dialogue with the contiguous ones in order to obtain specified signal sets (whip effect, for instance).



Power consumption (in continuous operation) 2x0.84W (amber LED)
2x0.95W (red LED)

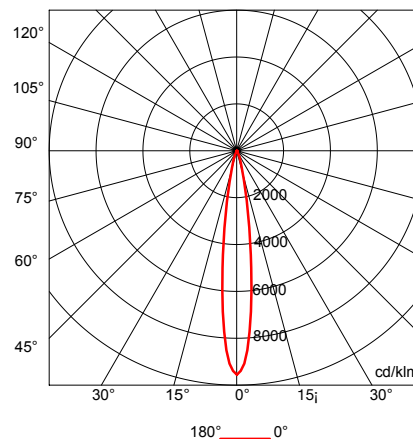
Optical group PMMA lenses

Light beam (FWHM) 14°

Maximum intensity on axis 1566 cd (amber)
1503 cd (red)

Output flux 158 lm (amber)
151 lm (red)

Control systems DMX



Maintenance info

Do not use alcohol/ammonia-based products for cleaning the luminaire. They may cause cracking or deterioration of PMMA lens. Use water or dish detergent-like liquids to remove dirt and halos, together with a soft wet cloth. Use of water jets with maximum pressure of 100kPa is allowed.

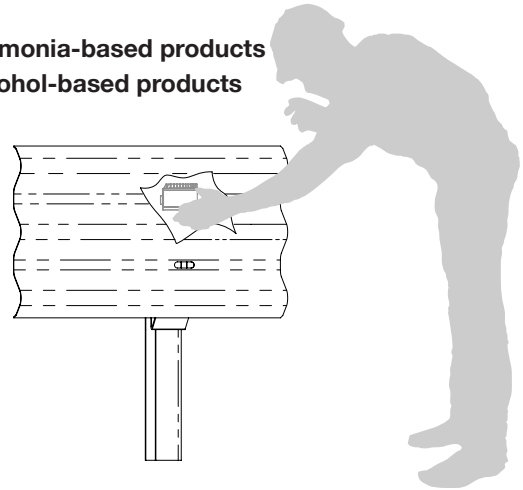
If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

Use a SELV LED control gear with a maximum output of 48Vdc in compliance with IEC/EN 61347-1 and IEC / EN 61347-2-13, protected against short circuit and overload.



NO Ammonia-based products
NO Alcohol-based products



All values shown in this datasheet are to be considered nominal values subject to a tolerance of +/-5%.

Note: In order to guarantee constant updating of the product, SIDEiS Srl reserves the right to make changes to this document without notice.