Product description

SIDEis One is an innovative LED luminaire, also for lighting architectural outdoor. Designed to be installed at a height maximum of 1 meter, ensures high levels of luminance and illuminance of the area.

The bollard version includes a small pole produced on purpose to house the SIDEis One.

The product will consist of three parts: SIDEis One in the configuration chosen, ***a bollard*** of 88 or 70 or 30 centimeters, and a 230V driver in Class I or II and IP67, inserted in the post.
In any case the bollard can be installed separately from the luminaire. In case of maintenance, the luminaire with the driver can be disconnected from the power supply cable via a quick connector (to order separately), without need of dismounting the bollard fixed to the ground.
For through wiring, options can be a special 3-way connector or a door with terminal block (to order separately).

SIDEIS ORDERING INFORMATION*

Item code

Example: S2T0730G16B1D

S2	T0	7	30	G	16	B	1	D
MODEL	**PHOTOMETRY**	**CRI**	**CCT**	**COLOUR**	**POWER**	**CONTROL MODE**	**CABLE**	**CABLING**
S 2	*T0 (Transversal)*	*7 (70)*	*30 (3000K)*	*G (grey)**	*16 (16W)*	*B (Bollard)*	*1 (1m)*	*D (cable gland)*
	FC (Forward-Central)	*8 (80)*	*40 (4000K)*					
	L0 (Long)							
	PR (Pro-Beam-Right)							
	PL (Pro-Beam-Left)							

** other colours upon request*

BOLLARD item code

BRK-C01	*Column*	*h 883mm*
BRK-C02	*Column*	*h 700mm*
BRK-C03	*Column*	*h 300mm*

DRIVER item code*

XLG-25-A	*Driver 230V*	*Class I*
NPF-40D-24	*Driver 230V*	*Class II*

** modifiable at the discretion of the company*

LABELS

Developed and produced in Italy

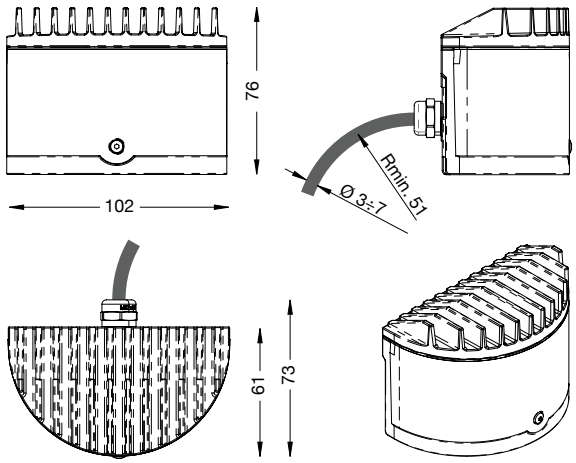
Ecofriendly Design

General info

SIDEis One

Usage	Motorways, tunnels, underpasses, cicletracks, 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 - Marine grade option available
IP rating	IP66
IK rating	IK08
Operating temperature (Ta)	From -40° fino a 50°
Warranty	5 Years

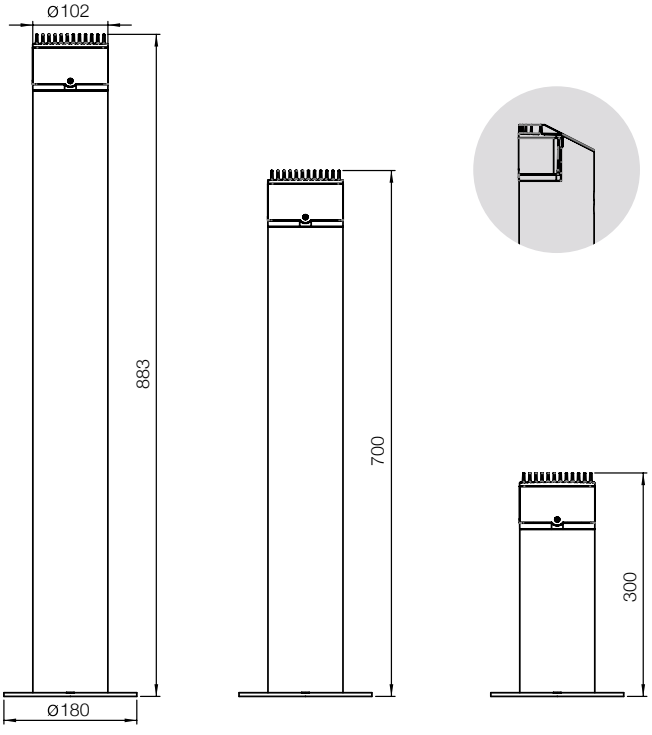
Type	Multi-chip LED board
CCT	3000K e 4000K
Colour rendering index	70 CRI
Colour consistency	SDCM 3
Photobiological risk (for EN 62471:2008)	RG1
Average life @Ta 25°	50000h L90 B10
Power consumption (for 4000K CRI70 LED)	16W
Electromagnetic compatibility (EMC)	Compliant with EN standard 55015: 2019, with range extended up to 400MHz



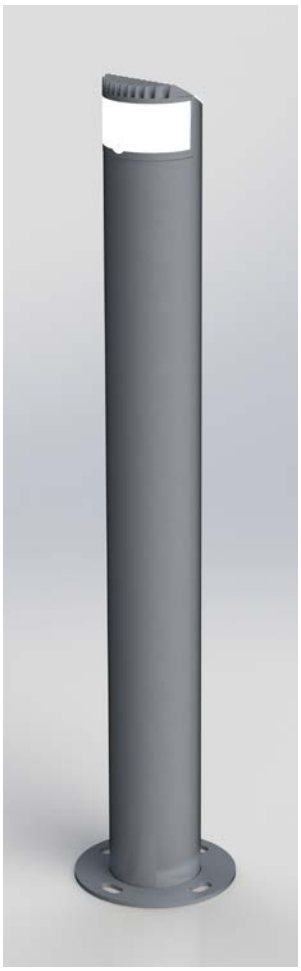
General info

Bollard

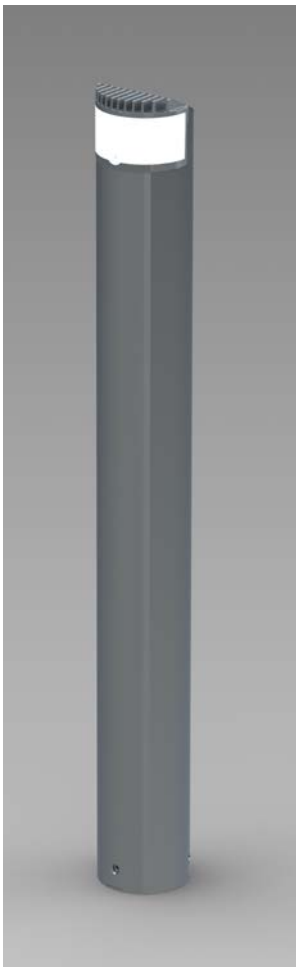
Usage	Outdoor, green areas, cycle lanes, pedestrian roads
Dimensions (LxDxH)	h 883 mm Ø mm 102 h 700 mm Ø mm 102 h 300 mm Ø mm 102
Weight	Up to 9 kg max
Materials	- Laminated post, cylindrical trunk with welded base plate, made of S 235 JR material according to UNI EN 10219 - UNI EN 10025
Colors	- Standard colour brilliant grey RAL9007 - Other colours upon request
Finiture	- Hot dip galvanizing according to UNI EN 1461 and subsequent painting with polyester powders
Ground anchored	- with fixing plate diameter 180 mm - with fixing base

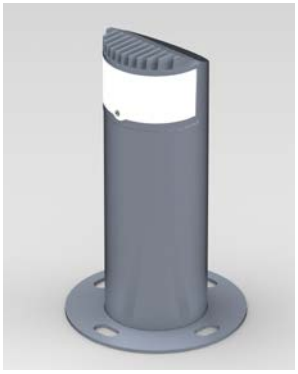


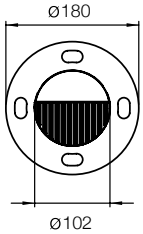
FIXING PLATE

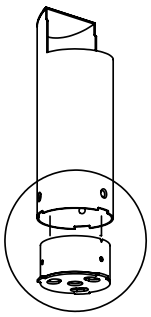


FIXING BASE





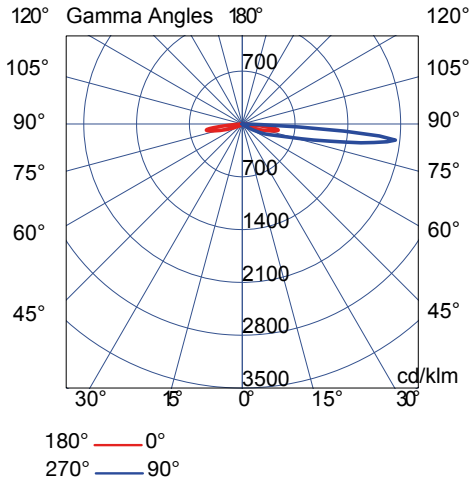


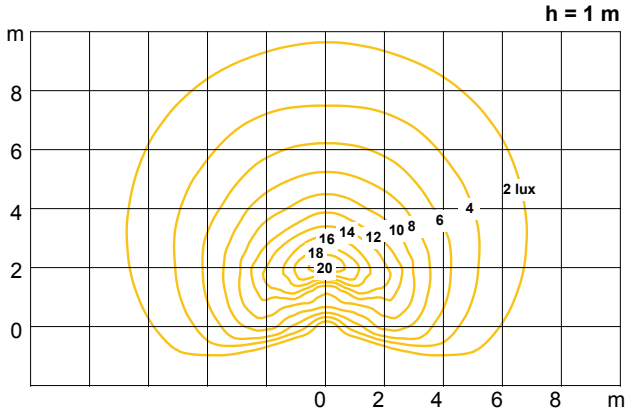


Photometry

T0

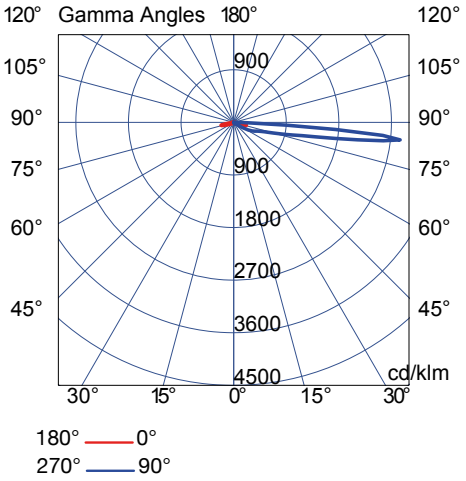
Transversal

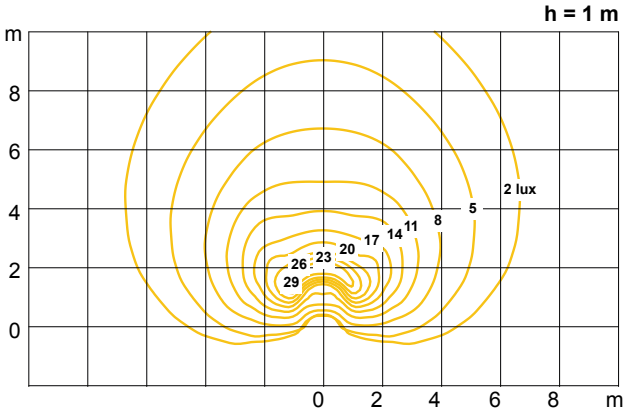




FC

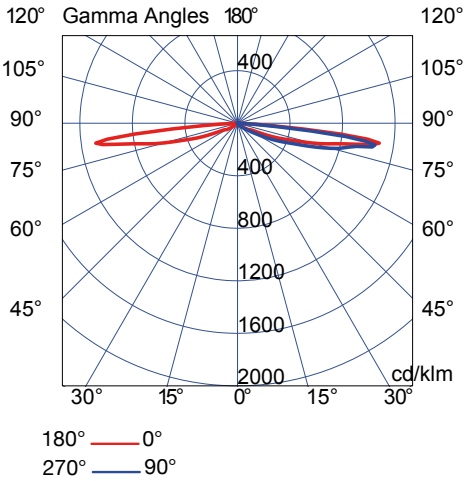
Forward central

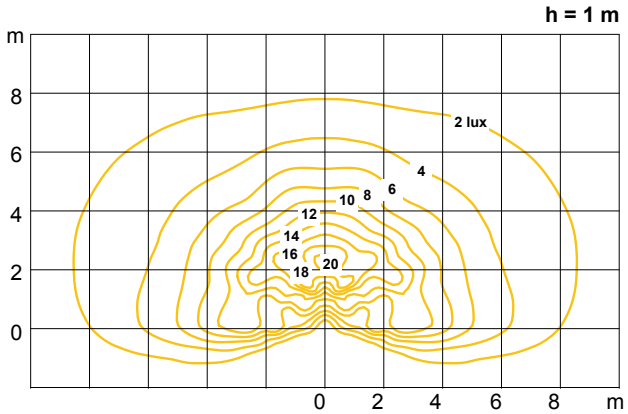




LO

Long

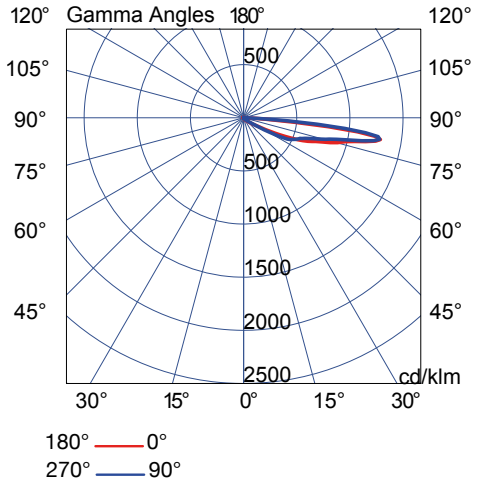


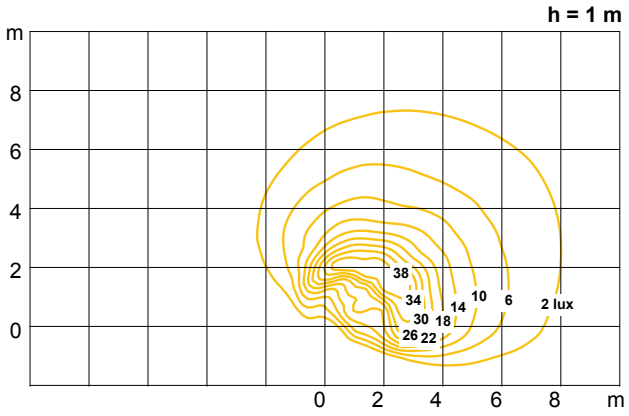


Photometry

PR

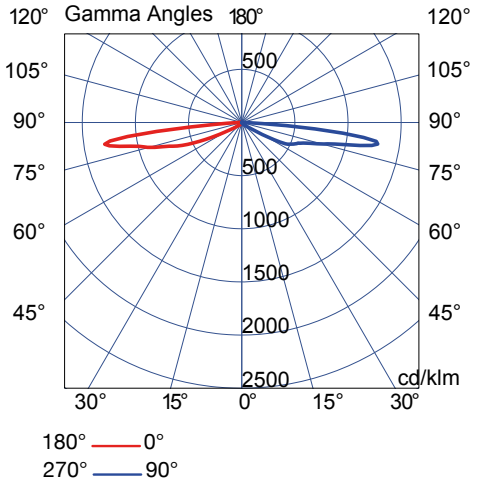
Pro beam right

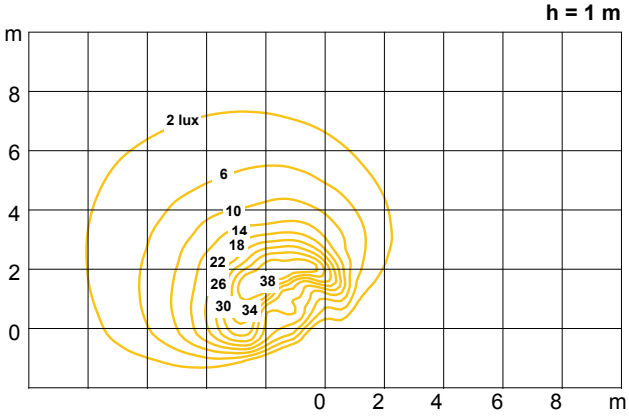




PL

Pro beam left





Distribuzioni e dati fotometrici

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

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

TECHNICAL DATA - SIDEIS BOLLARD

MODEL	PHOTOMETRY	CRI	CCT	SIDEis Vdc(V)	SIDEis Power Consum. (W)	Led Forward Current (mA)	SIDEis Flux (Lm)	SIDEis Efficacy (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

Maintenance info

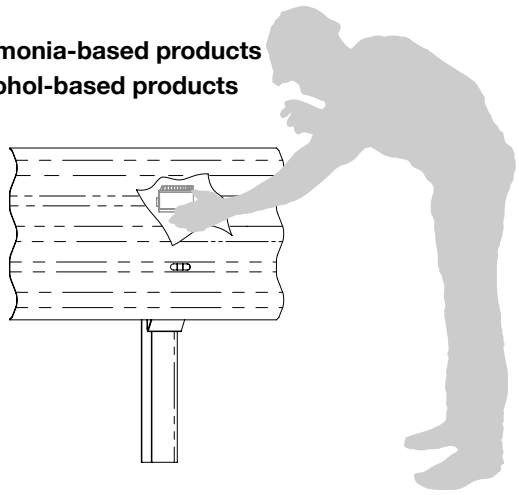
Do not use alcohol/ammonia-based products for cleaning the luminaire. They may cause cracking or deterioration of PMMA lens. Use water or dish detergent-like liquids to remove dirt and halos, together with a soft wet cloth. Use of water jets with maximum pressure of 100kPa is allowed.

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.