SPILLO

PRISMA®

ARCHITECTURAL

PERFORMANCE
iN LIGHTING


MISURA PER SARTI

SPILLO CUSTOMISED LIGHT

design by: Alessandro Pedretti (studio Rota & partner)

Spillo has the advanced technical features and image of the latest generation luminaires, and conveys a message of quality and comfort throughout the urban environment - both in historical and modern contexts, and parks and streets. This is the new standard in urban lighting, a luminaire that contains the most advanced ideas from lighting engineering research and visual perception.

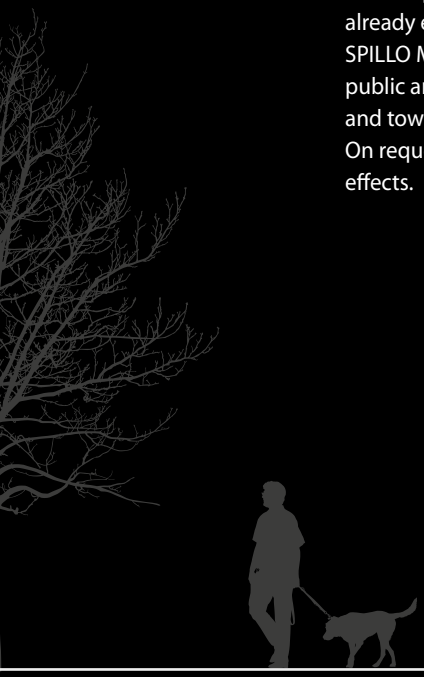
SPILLO

design by Alessandro Pedretti (studio Rota & partner)

SPILLO

SPILLO MINI

Spillo is a complete series of outdoor luminaires designed entirely with LED light sources. High lighting performance is guaranteed by the use of the most advanced LED technology, the unique optic and the card where the LEDs are installed, which were designed by the Performance in Lighting group.
Contemporary aesthetics mix with the strictest light pollution control regulations that are already enforced in many Italian regions.
SPILLO MINI and SPILLO are innovative alternatives for highlighting the aesthetics of public and private parks, bicycle-foot paths, gardens, trails, and shopping areas in cities and towns.
On request, the luminaire can be made with a dual switch to create suggestive lighting effects.



SPILLO MINI - SPILLO

This series of high-performance luminaires with LED light sources is among the most efficient available on the market, in combination with state-of-the-art power supply and control systems.
Available in two versions:
Spillo LED for pole top installation with connection for Ø 76 / Ø 60 mm poles.
The available versions have 14 LED and 28 LED which can be made in colour temperature 4000K and on request 3000K.
Each version is presented with LED power supply current:

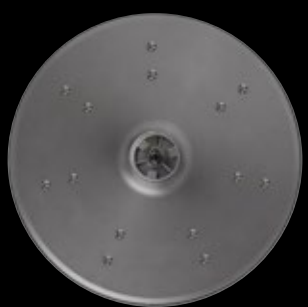
- 500 mA SPILLO MINI 6 - 9 LED
  SPILLO 14 - 28 LED
- 350 mA SPILLO CP/2CP
- 700 mA on request (contact the technical office) SPILLO 14 - 28 LED.

FULL CUT OFF

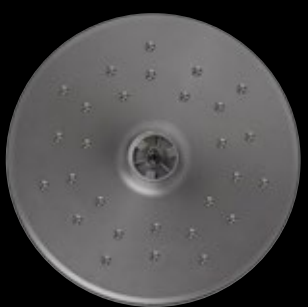
SPILLO MINI 6 LED

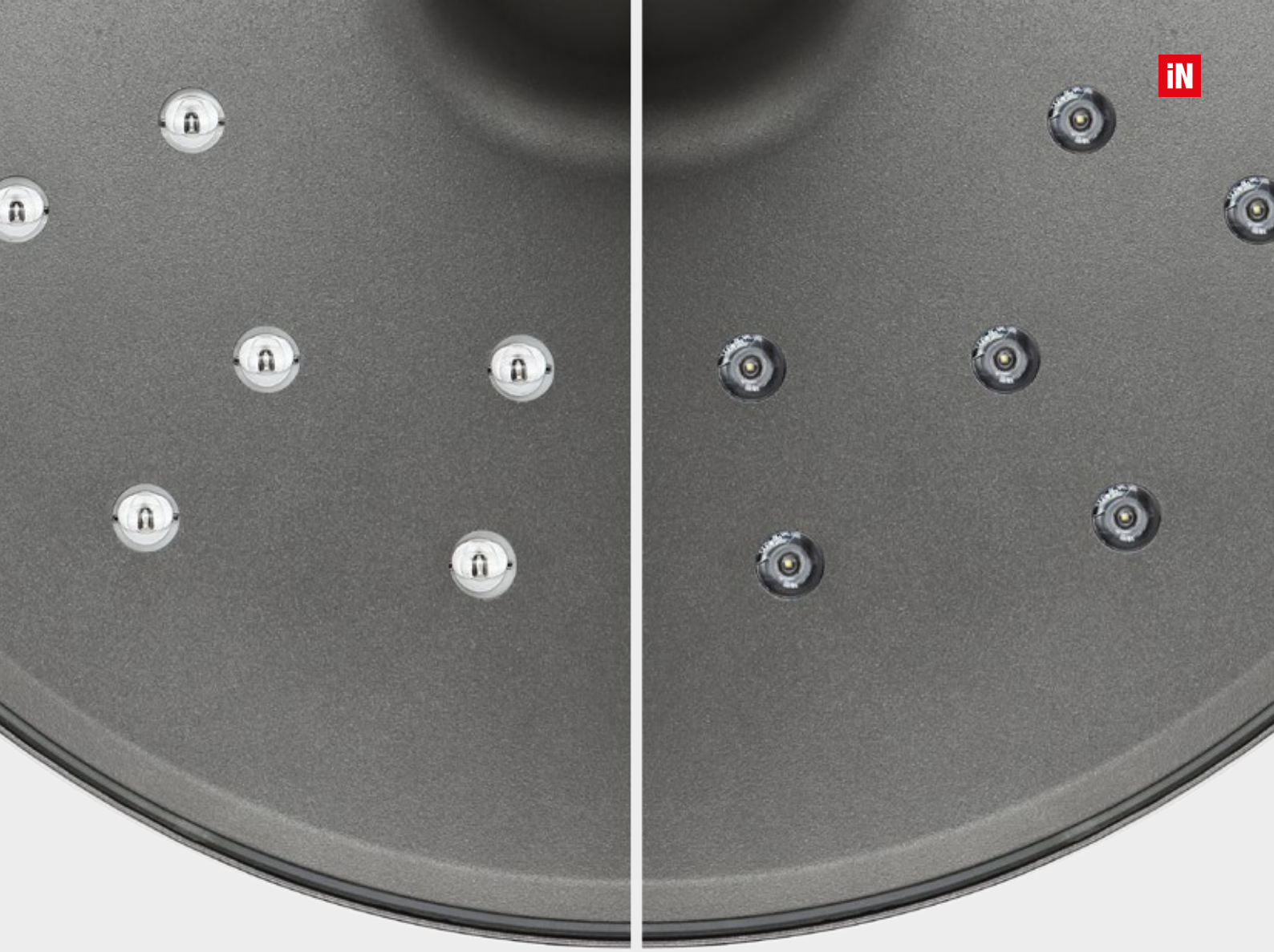
SPILLO MINI 9 LED

SPILLO 14 LED



SPILLO 28 LED





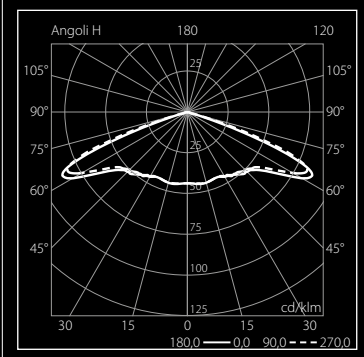
ASYMMETRICAL LENS

Lens conceived to provide a lighting engineering solution for contexts with public and private bicycle/footpaths using a particular optic designed by the Performance in Lighting group.

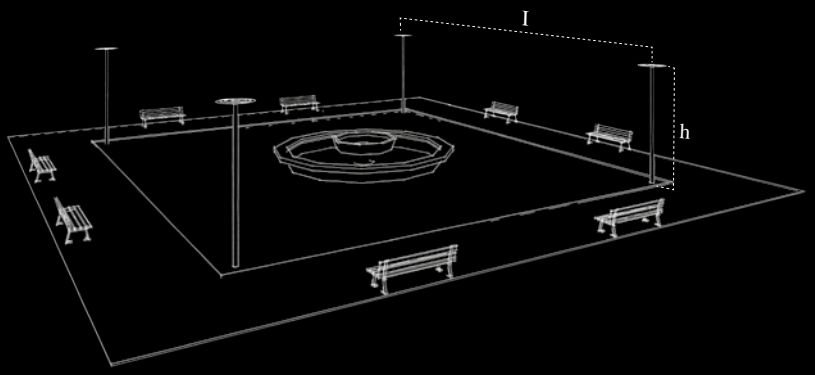
SYMMETRICAL LENS

Lens conceived to provide a suitable lighting engineering solution for enhancing public and private parks using a particular optic designed by the Performance in Lighting group.

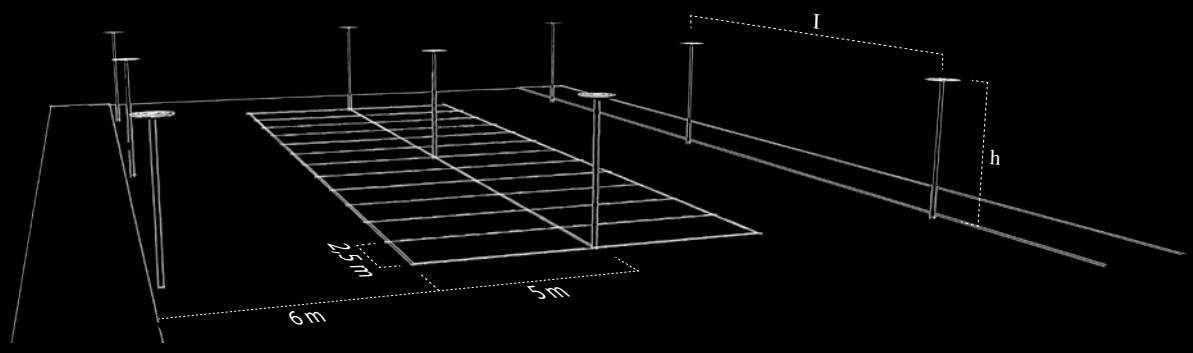
SPILLO C/EW ROTOSYMMETRICAL OPTIC



303501 - SPILLO 28 LED 44W - 4000K



	SQUARE AREA						
	Fittings quantity	h [m]	I [m]	Ēm [lx]	Emin [lx]	U_0 (Emin / Ēm) [lx]	class
SPILLO EW n.28 LED 500 mA 44 W 4000K	4	4	13x13	15,40	12,80	0,83	S1
SPILLO EW n.14 LED 500 mA 24 W 4000K	4	2,8	9x9	16,30	14,00	0,86	S1

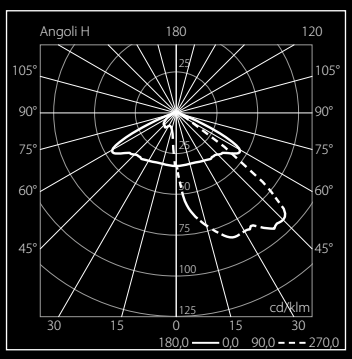


	PARKING AREA						
	Fittings quantity	h [m]	I [m]	Ēm [lx]	Emin [lx]	U_0 (Emin / Ēm) [lx]	class
SPILLO C/EW n.28 LED 500 mA 4000K	9	4	15	15,10	11,50	0,76	S1
	9	4	20	11,30	3,30	0,29	S2

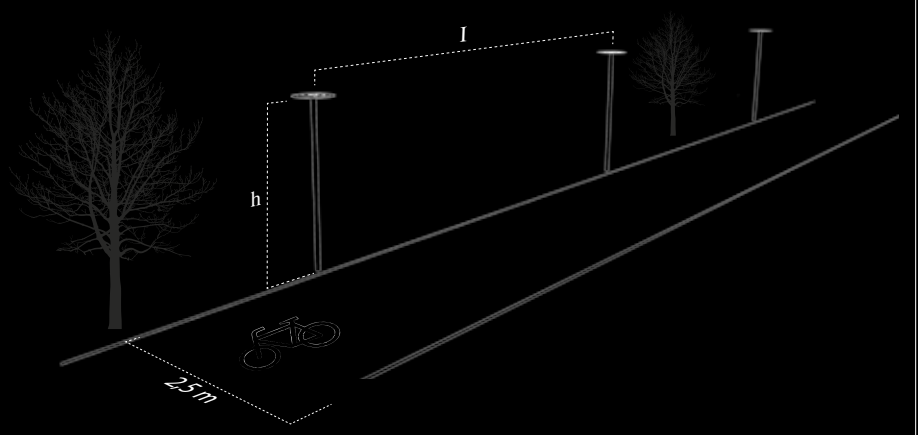
h installation height
I fittings interdistance
$Ē_m$ illum. medium
E_{min} illum. minimun

SPILLO CP

BICYCLE PATH - FOOTPATH OPTIC



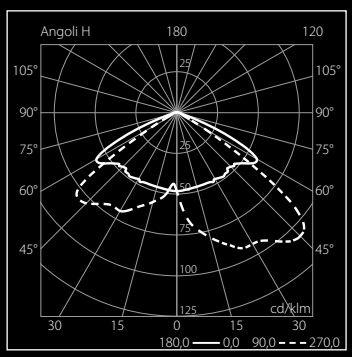
303814 - SPILLO 28 LED CP 44 W - 4000K



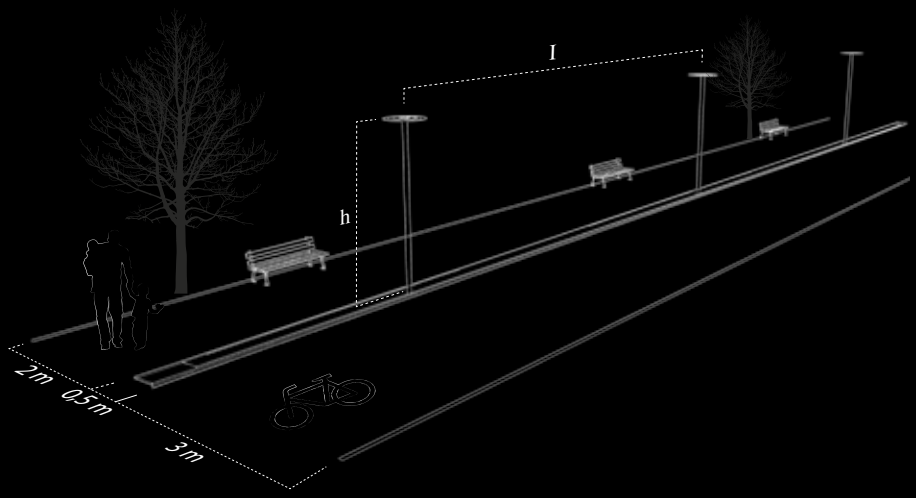
	BICYCLE PATH					
	h [m]	I [m]	Ēm [lx]	Emin [lx]	U_0 (Emin / Ēm) [lx]	class
SPILLO CP n.28 LED 350 mA 31 W 4000K	4	18	21,00	6,00	0,30	S1
	5	23	13,30	3,50	0,26	S2

SPILLO 2 CP

DOUBLE BICYCLE PATH - FOOTPATH OPTIC



303816 - SPILLO 28 LE D 2CP 44 W - 4000K

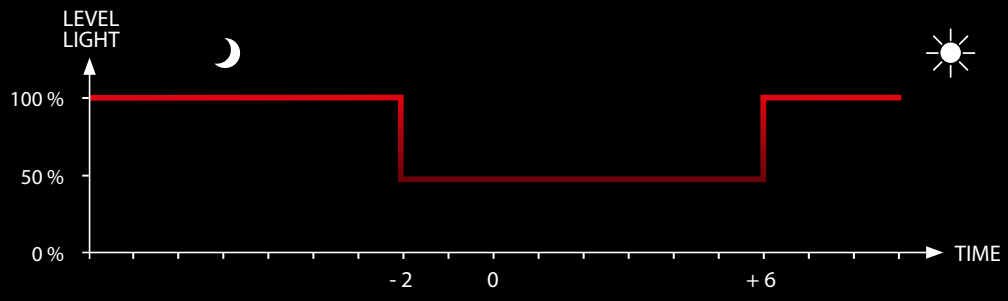


			BICYCLE PATH				FOOTPATH			
	h [m]	I [m]	Ēm [lx]	Emin [lx]	U0 (Emin / Ēm) [lx]	class	Ēm [lx]	Emin [lx]	U_0 (Emin / Ēm) [lx]	class
SPILLO 2 CP n.28 LED 500 mA 4000K	4	18	18,00	5,00	0,29	S1	14,00	4,00	0,30	S2
SPILLO 2 CP n.28 LED 350 mA 4000K	4	18	13,00	4,00	0,29	S2	10,00	3,00	0,30	S2

SPILLO

POWER REDUCTION

Luminaires are also available with automatic power reduction and with high-output electronic ballast already programmed to reduce the luminous flux by 50%. The power supply recognises the virtual night mid-point (e.g. midpoint of the switch-on time) and reduces the flux for a total of 8 hours, of which 2 hours before and 6 hours after.



DIMMABLE VERSIONS

Luminaires are fitted with 1-10 V analogue dimmable ballasts for 220-240 V 50/60 Hz nominal supply voltages.
All models can be supplied in the following dimmable versions:
- DALI DIM - with DALI digital dimmable ballasts for 220-240 V, 50/60 Hz nominal supply voltages.

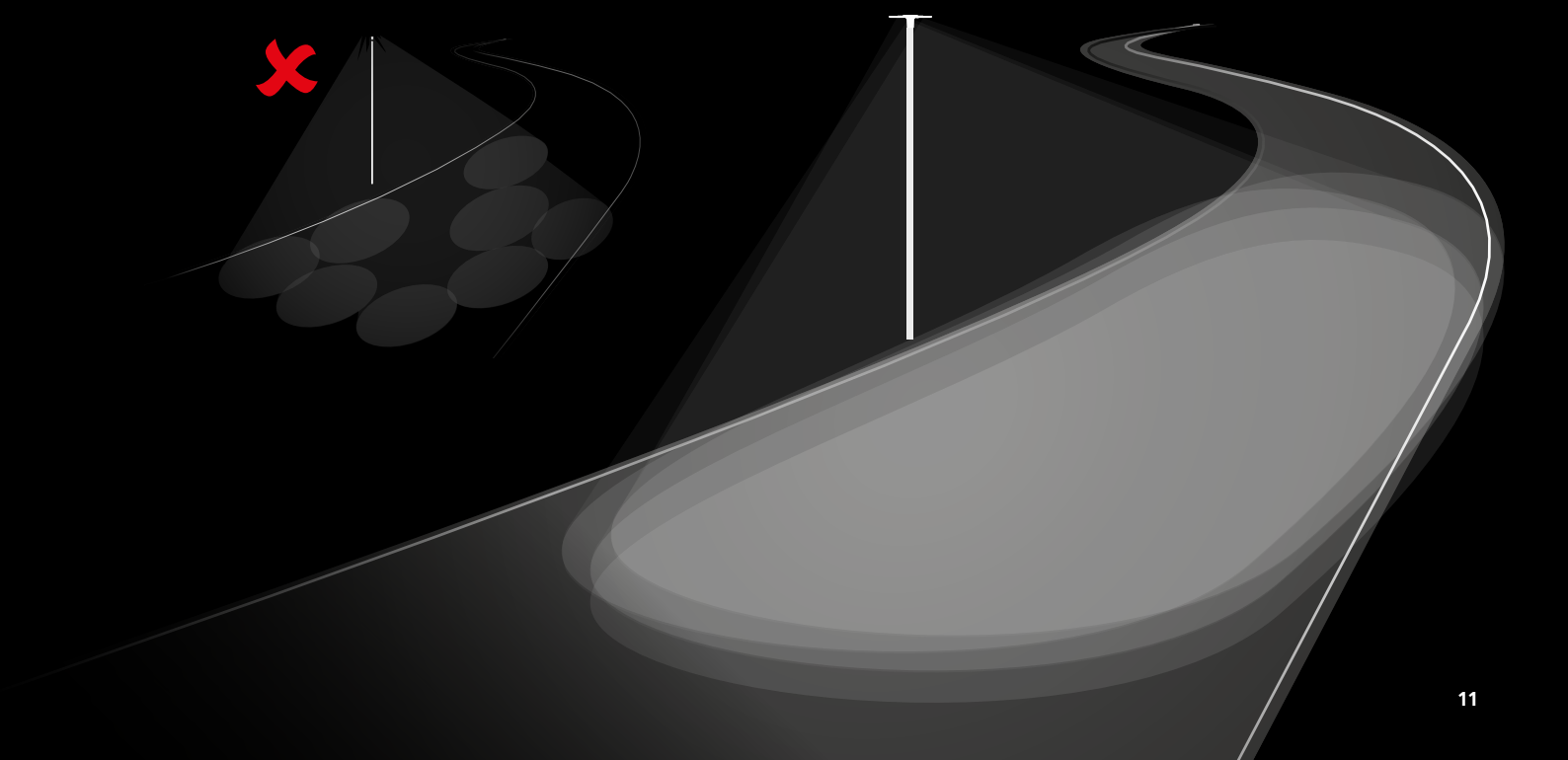
These type of regulation systems is generally used to reduce the luminous flux of street armatures with traditional lamps in which the reduction of the supply voltage results in the reduction of the luminaire power and, consequently, of the luminous flux of the lamp.

SECURE LIGHT DISTRIBUTION

SECURE LIGHT DISTRIBUTION

The "Secure Light Distribution" system guarantees a uniform light distribution also in case of LED inefficiencies without creating disturbing shadow areas. The Reflex Comfort System optic has been designed with a double deviation system and developed so that the light emitted by each LED is distributed on the entire area to be illuminated, thus creating a layer of light.

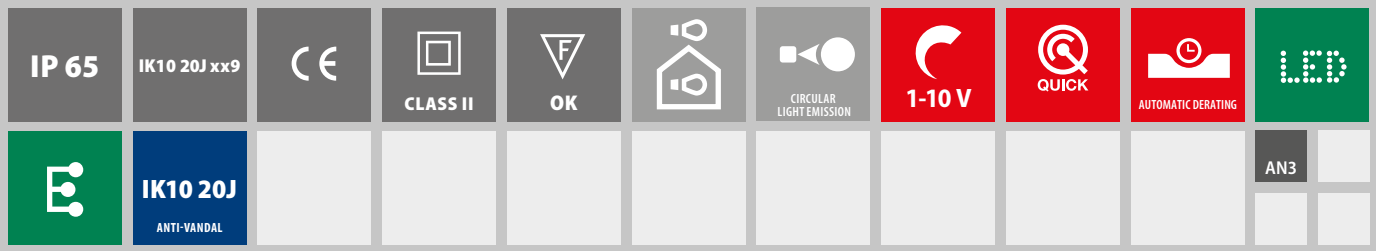
Therefore, the light generated is the sum of the layers of light of the individual LED mounted in the luminaire.



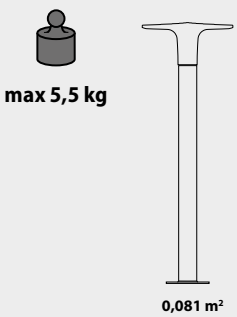
SPILLO

CONSTRUCTION FEATURES

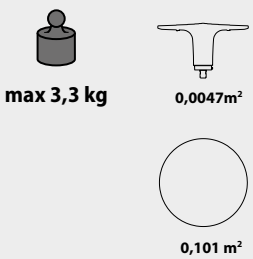
Range of outdoor pole-mounted LED fixtures, comprising:
- ¬ Housing and cover in painted die-cast aluminium
- ¬ Fixing kit for posts Ø 60 - Ø 76 mm made of polyester powder-coated die-cast aluminium
- ¬ Anti-aging silicone gasket
- ¬ Waterproof cable gland M25x1.5 for cables Ø 9- Ø 14 mm
- ¬ External electrical connection with sealed plug-socket, complete with cable
- ¬ LED versions include 220/240 V 50/60 Hz safety transformer
- ¬ Analogue dimmable HF ballast, 1-10 V
- ¬ Each LED is coupled with an electronic safety device (NUD) that can by-pass it in case of failure
- ¬ The LED version is complete with white LED 4000K
- ¬ Stainless steel external screws
- ¬ The “SECURE LIGHT DISTRIBUTION” system guarantees uniform light distribution even in case of LED failures
- ¬ The « CP » version comes with asymmetric light distribution: it is suitable for bicycle and pedestrian pathways
- ¬ The versions with double optics, CP “2CP”, provide a double asymmetrical light distribution to light bicycle/footpaths and also illumine the part adjacent to the path for visual comfort



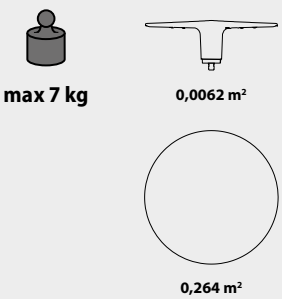
SPILLO MINI POST



SPILLO MINI



SPILLO



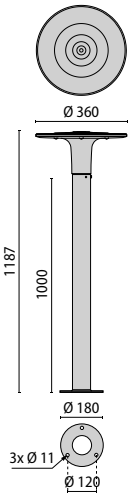
FUTURE
PROOF

It is possible to replace the LED cards to keep the luminaire technologically updated through the years.

> CLICK!

Electrical connections are simplified by an external IP67 rated plug-socket connector.
Luminaire is supplied pre-wired with 1 m of cable H07RN-F (standard). Longer cables can be provided if specified at the time of ordering.

SPILLO MINI



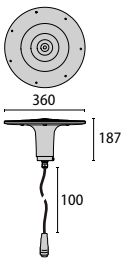
Lamps

n.6 LED - 11 W

n.9 LED - 16 W

SPILLO MINI POST

LAMPHOLDER	POWER	ILCOS	LBS	COLOUR/ RAL	CLASS	KELVIN	COS Φ ≥ 0,9	EEI	OPTIC	OPTIC BEAM	NOMINAL LUMEN OUTPUT	REAL LUMEN OUTPUT	LIFETIME	L	°C	CODE	NOTES	EURO
POWER LED DIMMABLE 1-10 V 220/240 V 50/60 HZ																		
-	n.6 LED - 11 W	-	-	AN3	II	4000	-	C/EW	-		1122 lm	706 lm	50000 h	L70	-	**303494**		
-	n.9 LED - 16 W	-	-	AN3	II	4000	-	C/EW	-		1683 lm	1038 lm	50000 h	L70	-	**303496**		



Lamps

n.6 LED - 11 W

n.9 LED - 16 W

SPILLO MINI

POWER LED DIMMABLE 1-10 V 220/240 V 50/60 HZ																		
-	n.6 LED - 11 W	-	-	AN3	II	4000	-	C/EW	-		1122 lm	706 lm	50000 h	L70	-	**303528**		
-	n.9 LED - 16 W	-	-	AN3	II	4000	-	C/EW	-		1683 lm	1038 lm	50000 h	L70	-	**303497**		

Luminaire is supplied pre-wired with
1 m of cable H07RN-F (standard).

SPILLO

Lamps

n.14 LED - 24 W

n.28 LED - 44 W

LAMPHOLDER	POWER	ILCOS	LBS	COLOUR/ RAL	CLASS	KELVIN	COS Φ ≥ 0,9	EEI	OPTIC	OPTIC BEAM	NOMINAL LUMEN OUTPUT	REAL LUMEN OUTPUT	LIFETIME	L	°C	CODE	NOTES	EURO
SPILLO																		
POWER LED DIMMABLE 1-10 V 220/240 V 50/60 HZ																		
-	n.14 LED - 24 W	-	-	AN3	II	4000	-		C/EW	-	2618 lm	1678 lm	50000 h	L70	-	**303499**		
-	n.28 LED - 44 W	-	-	AN3	II	4000	-		C/EW	-	5236 lm	3381 lm	50000 h	L70	-	**303501**		
POWER LED - WITH AUTOMATIC POWER REDUCTION 220/240 V 50/60 HZ																		
500 mA	n.28 LED - 44 W	-	-	AN3	II	4000	-		C/EW	-	5236 lm	3381 lm	50000 h	L70	-	**304024**		
SPILLO CP																		
POWER LED DIMMABLE 1-10 V 220/240 V 50/60 HZ																		
350 mA	n.28 LED - 31 W	-	-	AN3	II	4000	-		CP	-	4296 lm	2774 lm	50000 h	L70	-	**303815**		
500 mA	n.28 LED - 44 W	-	-	AN3	II	4000	-		CP	-	5236 lm	3403 lm	50000 h	L70	-	**303814**		
SPILLO 2CP																		
POWER LED DIMMABLE 1-10 V 220/240 V 50/60 HZ																		
350 mA	n.28 LED - 31 W	-	-	AN3	II	4000	-		2CP	-	4296 lm	2774 lm	50000 h	L70	-	**303817**		
500 mA	n.28 LED - 44 W	-	-	AN3	II	4000	-		2CP	-	5236 lm	3712 lm	50000 h	L70	-	**303816**		

The data contained in this catalogue is for reference purposes only and does not involve any commitment by Performance in Lighting S.p.A., which reserves the right to make all necessary changes without prior notice.

CLEAR CONDITIONS

In order to always provide customers with clear, complete information, Performance in Lighting has decided to provide the data pertaining to its LED luminaires in the following ways:

- *Nominal lumen indicate the luminous flux produced by the LED source according to indications from the manufacturer of the LEDs used in the luminaire. Sometimes this is an average value derived from the range indicated by the producer.*
- *Real lumen indicate the luminous flux output of the luminaire. The real flux is therefore generally lower than the nominal flux because it depends on the luminaire's thermal regime and the use of reflectors, diffusers, screens or lenses to direct the light.*
- *Power absorption of the luminaire indicated in the table includes not only absorption by the LED light source, but also absorption by the drivers or other necessary electronic components of the luminaire. We then indicate the total amount of energy actually consumed by the luminaire.*

With this information, Performance in Lighting wants to help create more clarity in this sector, the LED luminaire compartment, where it is sometimes difficult to interpret information and compare products.

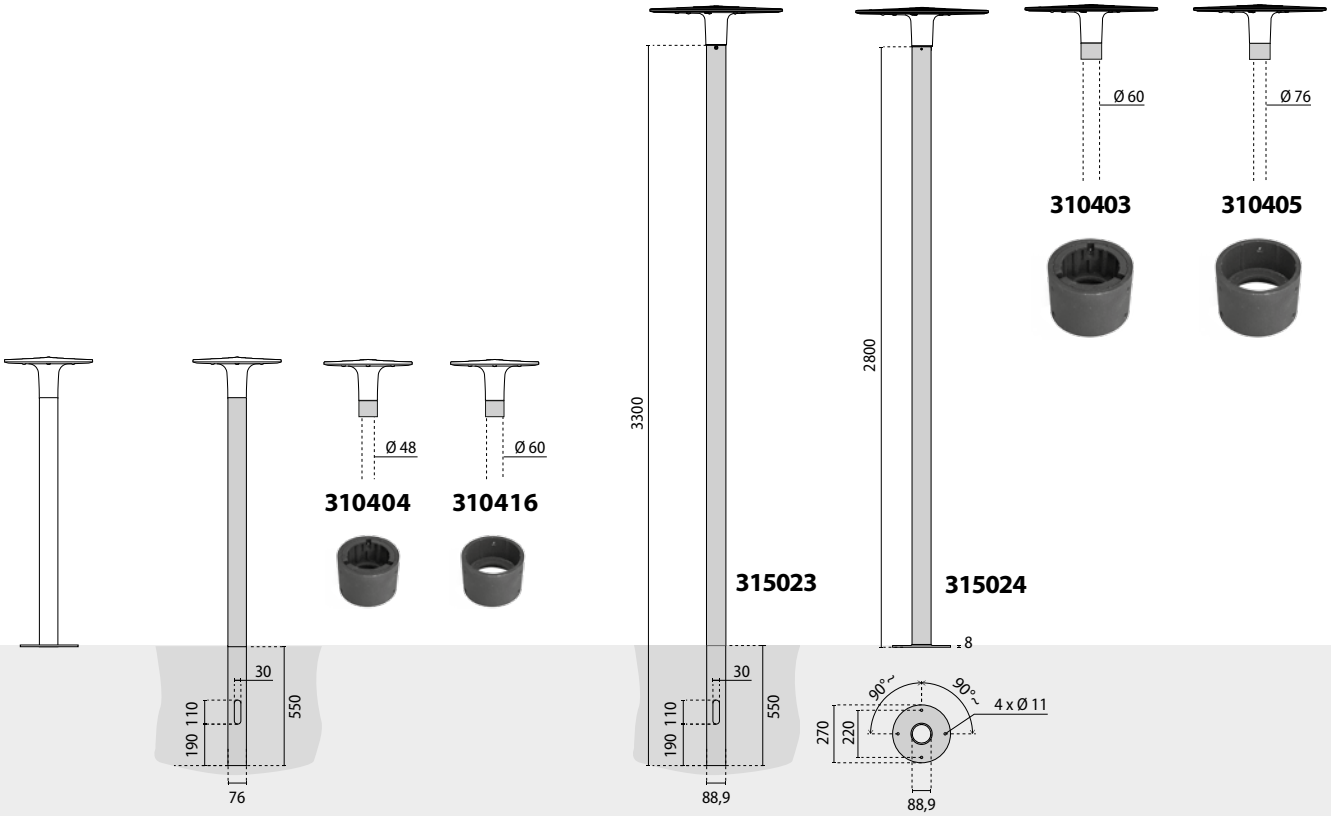
SPILLO

ACCESSORIES

DESCRIPTION	COLOUR	CODE	EURO
POLE TOP ADAPTOR Ø 60 mm	AN3	**310403**	
POLE TOP ADAPTOR Ø 76 mm	AN3	**310405**	
C/FLANGE PIN MINI	-	**310414**	
C/FLANGE PIN	-	**310415**	
POLE TOP ADAPTOR Ø 48 mm Spillo Mini	AN3	**310404**	
POLE TOP ADAPTOR Ø 60 mm Spillo Mini	AN3	**310416**	
POLE PIN INT. 3.3 m	AN3	**315023**	
POLE PIN F.T. 2.8 m WITH FLANGE	AN3	**315024**	

SPILLO MINI

SPILLO

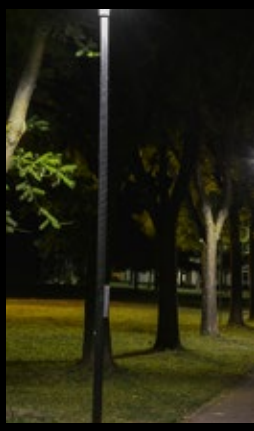


FLEX UPGRADE

On request, it is possible to implement the product with a flexible decorative ring, 40 LEDs in neutral white colour 4000K - 4 W (24 V) for SPILLO MINI and 60 LEDs in neutral white colour 4000K 7 W (24 V) for SPILLO, with surcharge. This version has a dual switch.

PERFORMANCE IN LIGHTING HAS USED SPILLO TO SPOTLIGHT THE QUARTIERE NAVILE IN BOLOGNA

Performance in Lighting was chosen for the lighting engineering project to refurbish the parks of Bologna, a pilot project for the Navile Gardens. Forty Spillo luminaires were installed at a height of five meters, in two different versions: one with a rotosymmetrical distribution 28 LED 4000K, power 31 Watts, and one with a double asymmetrical distribution 28 LED 4000K, 16 LED + 12 LED, power 31 Watts. The latter was designed and developed by Performance in Lighting for the purpose of fulfilling specific lighting needs of the project: some areas involved required this type of light distribution with asymmetrical characteristics and back-lighting. The first version of Spillo can light areas where uniform light distributed in a circle of 360° is required, without particular needs for specific light orientation. This type of distribution is suitable for parks, gardens and large areas in general. The second version, with double asymmetrical optic, the distribution is ideal for lighting bicycle paths and footpaths, with a guarantee of the necessary back-lighting to illumine the area adjacent to the path.
All of this is to have greater visual comfort and also guarantee better safety conditions, which are crucial in a public park.



PERFORMANCE iN LIGHTING

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