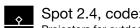




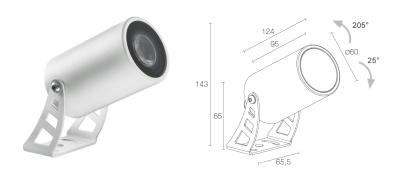
Made in Italy



Spot 2.4, code: CF2410000050ME

Projectors for outdoor applications





#### DESCRIPTION

projector for outdoor applications; surface mounted (ceiling, wall, ground, spike, strap); Power consumption: 8W; Power supply: 230Vac; Lumen output at source: 586 lm (3000K); Delivered lumen output: 515 lm (3000K, 29°); 1 power LED High Intensity, 3-step MacAdam, 50 000h L85 B10 (Ta 25°C); LED colour: 3000K; Optics: 29°: optical system consisting of a high-efficiency TIR lens; CRI Colour Rendering Index: 80; Body material: body made of ANTICORODAL 6026 low-copper-content aluminium alloy for excellent resistance to corrosion, made on a CNC lathe. Bracket made of tumble-finished, painted aluminium 5754; Finishes: white finish obtained through an initial treatment with a ceramic nanoparticle coating, to prepare for painting, followed by a coat of epoxy paint and one of polyester paint to provide corrosion resistance of more than 1000 hours of salt spray (RAL 9003); RAL finish on request; Screen material; 4-mm-thick tempered, transparent extra-clear glass, with vitrified serigraphy, to ensure chromatic uniformity of light and excellent resistance to knocks and scratches; built-in power supply unit; includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm; Ingress protection: IP66; Impact resistance: IK07; Protection systems: IPS (Intelligent Protection System) protects lighting fixtures from water infiltrations, which can occur if there are faulty junctions between the cables in outdoor or underwater applications. This innovation, patented by L&L, also guarantees electrical protection against polarity reversal, hot plugging, ESD and power surges, which can occur if there are faults in the electrical circuit; The PID (Protective Impedance Device) protects lighting fixtures from electrical phenomena external to the system, such as static electricity accumulation or electromagnetic interference coming from the mains power. Generally, these are events with a low energy content; Operating temperature: -20°C - +45°C; Glow wire test: 960°C; Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class I; Weight: 700 g; Dimensions: Ø60x124 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WB1001E Standard snoot - white, WB1002E Asymmetrical snoot - white, WP0100 Spike for in-ground installation, WP1004 Fastener strap - 5 m, WP1006E Spike for in-ground installation - h 500 mm - white, WP1007E Spike for in-ground installation - h 800 mm - white; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Status: Available

# DATASHEET TECHNICAL DATA



Power consumption 8W Power supply unit built-in power supply unit  LIGHTING CHARACTERISTICS  Number and type of LED 1 power LED High Intensity Average LED life 50 0000 L 85 B10 (Ta 25°C)  LED colour 3000K  CRI Colour Gendering Index 80 Binning 3-step MacAdam Optics 2e° Lumen output at source 588 Im (3000K) Delivered lumen output 0 515 Im (3000K, 29°)  MECHANICAL CHARACTERISTICS  Dimensions 060x124 mm  Weight 700 g Finishes white RAL 9003 Mounting with bracket, screws and plugs Body material body in anticorodal aluminium, bracket in aluminium Screen material screen in serigraphed, tempered, transparent extra-clear glass  GENERAL CHARACTERISTICS  Ingress protection IP66 Operating temperature 20°C - +45°C Impact resistance IkO7 Energy efficiency class class I  Appliance class class I  Walkover no Drive-over no Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 07 mm Protection systems IP58 (Intelligent Protection System); PID (Protective Impedance Device) Photobiological safety in photobiological safety: risk group 1 according to EN 62471:2006		
Power supply unit built-in power supply unit  LIGHTING CHARACTERISTICS  Number and type of LED 1 power LED High Intensity  Average LED life 50 000h L85 B10 (Ta 25°C)  LED colour 3000K  CRI Colour Rendering Index 80  Binning 3-step MacAdam  Optics 29°  Lumen output at source 586 lm (3000K)  Delivered lumen output 515 lm (3000K, 29°)  MECHANICAL CHARACTERISTICS  Dimensions 060 4124 mm  Weight 700 g  Finishes white RAL 9003  Mounting with bracket, screws and plugs  Body material body in anticorodal aluminium, bracket in aluminium  Screen material screen in serigraphed, tempered, transparent extra-clear glass  GENERAL CHARACTERISTICS  Ingress protection IP66  Operating temperature -20°C - +45°C  Impact resistance IK07  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Appliance class class I  Walkover no IP5 (Intelligent Protection System); PID (Protective Impedance Device)	ELECTRICAL CHARACTERISTICS	
Dower supply unit   Duilt-in power supply unit	Power consumption	8W
LIGHTING CHARACTERISTICS     Number and type of LED	Power supply	230Vac
Number and type of LED  Average LED life  50 000h L85 B10 (Ta 25°C)  LED colour  3000K  CRI Colour Rendering Index  80  Binning  3-step MacAdam  Optics  29°  Lumen output at source  586 Im (3000K)  Belivered lumen output  515 Im (3000K, 29°)  MECHANICAL CHARACTERISTICS  Dimensions  060x124 mm  Weight  700 g  Finishes  white RAL 9003  Mounting  with bracket, screws and plugs  Body material  body in anticorodal aluminium, bracket in aluminium  Screen material  screen in serigraphed, tempered, transparent extra-clear glass  GENERAL CHARACTERISTICS  Ingress protection  IP66  Operating temperature  -20°C - +45°C  Impact resistance  IK07  Energy efficiency class  F (light source) in accordance with EU 2019/2015  Glow wire test  Appliance class  class I  Walkover  no  Prower cables  includes 1.5 m neoprene cable H05RN-F 3x1,0 07 mm  Protection systems  IPS (Intelligent Protection System); PID (Protective Impedance Device)	Power supply unit	built-in power supply unit
Average LED life         50 000h L85 B10 (Ta 25°C)           LED colour         3000K           CRI Colour Rendering Index         80           Binning         3-step MacAdam           Optics         29°           Lumen output at source         586 Im (3000K)           Delivered lumen output         515 Im (3000K, 29°)           MECHANICAL CHARACTERISTICS           Dimensions         060x124 mm           Weight         700 g           Finishes         white RAL 9003           Mounting         with bracket, screws and plugs           Body material         body in anticorodal aluminium, bracket in aluminium           Screen material         screen in serigraphed, tempered, transparent extra-clear glass           GENERAL CHARACTERISTICS         Ingress protection           Ingress protection         IP66           Operating temperature         -20°C - +45°C           Impact resistance         IK07           Energy efficiency class         F (light source) in accordance with EU 2019/2015           Glow wire test         960°C           Appliance class         class I           Walkover         no           Drive-over         no           Power cables         includes 1.5 m neoprene cable H05	LIGHTING CHARACTERISTICS	
LED colour  CRI Colour Rendering Index  Binning 3-step MacAdam  Optics 29°  Lumen output at source 586 Im (3000K)  Delivered lumen output 515 Im (3000K, 29°)  MECHANICAL CHARACTERISTICS  Dimensions Ø60x124 mm  Weight 700 g Finishes white RAL 9003  Mounting Body material body in anticorodal aluminium, bracket in aluminium Screen material screen in serigraphed, tempered, transparent extra-clear glass  GENERAL CHARACTERISTICS  Ingress protection IP66 Operating temperature 2-20°C - +45°C Impact resistance IK07  Energy efficiency class F (light source) in accordance with EU 2019/2015 Glow wire test 960°C Appliance class Class I  Walkover no Drive-over no Power cables IPS (Intelligent Protection System); PID (Protective Impedance Device)	Number and type of LED	1 power LED High Intensity
Binning 3-step MacAdam  Optics 29°  Lumen output at source 586 Im (3000K)  Delivered lumen output 515 Im (3000K, 29°)  MECHANICAL CHARACTERISTICS  Dimensions 060x124 mm  Weight 700 g  Finishes white RAL 9003  Mounting with bracket, screws and plugs  Body material body in anticorodal aluminium, bracket in aluminium  Screen material screen in serigraphed, tempered, transparent extra-clear glass  GENERAL CHARACTERISTICS  Ingress protection IP66  Operating temperature -20°C - +45°C  Impact resistance IK07  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Appliance class   General Hospin   General Hospi	Average LED life	50 000h L85 B10 (Ta 25°C)
Binning 3-step MacAdam  Optics 29°  Lumen output at source 586 Im (3000K)  Delivered lumen output 515 Im (3000K, 29")  MECHANICAL CHARACTERISTICS  Dimensions 060x124 mm  Weight 700 g  Finishes white RAL 9003  Mounting with bracket, screws and plugs  Body material body in anticorodal aluminium, bracket in aluminium  Screen material screen in serigraphed, tempered, transparent extra-clear glass  GENERAL CHARACTERISTICS  Ingress protection IP66  Operating temperature -20°C - +45°C  Impact resistance IK07  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Appliance class class I  Walkover no  Drive-over no  Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 07 mm  Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	LED colour	3000K
Optics       29°         Lumen output at source       586 Im (3000K)         Delivered lumen output         MECHANICAL CHARACTERISTICS         Dimensions       Ø60x124 mm         Weight       700 g         Finishes       white RAL 9003         Mounting       with bracket, screws and plugs         Body material       body in anticorodal aluminium, bracket in aluminium         Screen material       screen in serigraphed, tempered, transparent extra-clear glass         GENERAL CHARACTERISTICS         Ingress protection       IP66         Operating temperature       -20°C - +45°C         Impact resistance       IK07         Energy efficiency class       F (light source) in accordance with EU 2019/2015         Glow wire test       960°C         Appliance class       class I         Walkover       no         Drive-over       no         Power cables       includes 1.5 m neoprene cable H05RN-F 3x1,0 07 mm         Protection systems       IPS (Intelligent Protection System); PID (Protective Impedance Device)	CRI Colour Rendering Index	80
Lumen output at source 586 Im (3000K)  Delivered lumen output 515 Im (3000K, 29°)  MECHANICAL CHARACTERISTICS  Dimensions Ø60x124 mm  Weight 700 g  Finishes white RAL 9003  Mounting with bracket, screws and plugs  Body material body in anticorodal aluminium, bracket in aluminium  Screen material screen in serigraphed, tempered, transparent extra-clear glass  GENERAL CHARACTERISTICS  Ingress protection IP66  Operating temperature -20°C - +45°C  Impact resistance IK07  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Appliance class   Galler   Ga	Binning	3-step MacAdam
Delivered lumen output       515 Im (3000K, 29°)         MECHANICAL CHARACTERISTICS         Dimensions       Ø60x124 mm         Weight       700 g         Finishes       white RAL 9003         Mounting       with bracket, screws and plugs         Body material       body in anticorodal aluminium, bracket in aluminium         Screen material       screen in serigraphed, tempered, transparent extra-clear glass         GENERAL CHARACTERISTICS         Ingress protection       IP66         Operating temperature       -20°C - +45°C         Impact resistance       IK07         Energy efficiency class       F (light source) in accordance with EU 2019/2015         Glow wire test       960°C         Appliance class       class I         Walkover       no         Drive-over       no         Power cables       includes 1.5 m neoprene cable H05RN-F 3x1,0 07 mm         Protection systems       IPS (Intelligent Protection System); PID (Protective Impedance Device)	Optics	29°
MECHANICAL CHARACTERISTICS           Dimensions         Ø60x124 mm           Weight         700 g           Finishes         white RAL 9003           Mounting         with bracket, screws and plugs           Body material         body in anticorodal aluminium, bracket in aluminium           Screen material         screen in serigraphed, tempered, transparent extra-clear glass           GENERAL CHARACTERISTICS           Ingress protection         IP66           Operating temperature         -20°C - +45°C           Impact resistance         IK07           Energy efficiency class         F (light source) in accordance with EU 2019/2015           Glow wire test         960°C           Appliance class         class I           Walkover         no           Drive-over         no           Power cables         includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm           Protection systems         IPS (Intelligent Protection System); PID (Protective Impedance Device)	Lumen output at source	586 lm (3000K)
Dimensions       Ø60x124 mm         Weight       700 g         Finishes       white RAL 9003         Mounting       with bracket, screws and plugs         Body material       body in anticorodal aluminium, bracket in aluminium         Screen material       screen in serigraphed, tempered, transparent extra-clear glass         GENERAL CHARACTERISTICS         Ingress protection       IP66         Operating temperature       -20°C - +45°C         Impact resistance       IK07         Energy efficiency class       F (light source) in accordance with EU 2019/2015         Glow wire test       960°C         Appliance class       class I         Walkover       no         Drive-over       no         Power cables       includes 1.5 m neoprene cable H05RN-F 3x1,0 07 mm         Protection systems       IPS (Intelligent Protection System); PID (Protective Impedance Device)	Delivered lumen output	515 lm (3000K, 29°)
Weight 700 g Finishes white RAL 9003  Mounting with bracket, screws and plugs  Body material body in anticorodal aluminium, bracket in aluminium  Screen material screen in serigraphed, tempered, transparent extra-clear glass  GENERAL CHARACTERISTICS  Ingress protection IP66 Operating temperature -20°C - +45°C Impact resistance IK07 Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C Appliance class class I  Walkover no Drive-over no Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	MECHANICAL CHARACTERISTICS	
Finisheswhite RAL 9003Mountingwith bracket, screws and plugsBody materialbody in anticorodal aluminium, bracket in aluminiumScreen materialscreen in serigraphed, tempered, transparent extra-clear glassGENERAL CHARACTERISTICSIngress protectionIP66Operating temperature-20°C - +45°CImpact resistanceIK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)	Dimensions	Ø60x124 mm
Mountingwith bracket, screws and plugsBody materialbody in anticorodal aluminium, bracket in aluminiumScreen materialscreen in serigraphed, tempered, transparent extra-clear glassGENERAL CHARACTERISTICSIngress protectionIP66Operating temperature-20°C - +45°CImpact resistanceIK07Energy efficiency classF (light source) in accordance with EU 2019/2015Glow wire test960°CAppliance classclass IWalkovernoDrive-overnoPower cablesincludes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mmProtection systemsIPS (Intelligent Protection System); PID (Protective Impedance Device)	Weight	700 g
Body material body in anticorodal aluminium, bracket in aluminium  Screen material screen in serigraphed, tempered, transparent extra-clear glass  GENERAL CHARACTERISTICS  Ingress protection IP66 Operating temperature -20°C - +45°C Impact resistance IK07 Energy efficiency class F (light source) in accordance with EU 2019/2015 Glow wire test 960°C Appliance class class I  Walkover no  Drive-over no Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm  Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	Finishes	white RAL 9003
Screen material screen in serigraphed, tempered, transparent extra-clear glass  GENERAL CHARACTERISTICS  Ingress protection IP66  Operating temperature -20°C - +45°C  Impact resistance IK07  Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Appliance class class I  Walkover no  Drive-over no  Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm  Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	Mounting	with bracket, screws and plugs
Ingress protection IP66 Operating temperature -20°C - +45°C Impact resistance IK07 Energy efficiency class F (light source) in accordance with EU 2019/2015 Glow wire test 960°C Appliance class class I Walkover no Drive-over no Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	Body material	body in anticorodal aluminium, bracket in aluminium
Ingress protection IP66 Operating temperature -20°C - +45°C Impact resistance IK07 Energy efficiency class F (light source) in accordance with EU 2019/2015 Glow wire test 960°C Appliance class class I Walkover no Drive-over no Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	Screen material	screen in serigraphed, tempered, transparent extra-clear glass
Operating temperature -20°C - +45°C Impact resistance IK07 Energy efficiency class F (light source) in accordance with EU 2019/2015 Glow wire test 960°C Appliance class Class I Walkover no Drive-over no Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm IPS (Intelligent Protection System); PID (Protective Impedance Device)	GENERAL CHARACTERISTICS	
Impact resistance  Energy efficiency class  F (light source) in accordance with EU 2019/2015  Glow wire test  960°C  Appliance class  Valkover  no  Drive-over  Power cables  Protection systems  IK07  F (light source) in accordance with EU 2019/2015  Class I  F (light source) in accordance with EU 2019/2015  Class I  Class I  no  Includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm  IPS (Intelligent Protection System); PID (Protective Impedance Device)	Ingress protection	IP66
Energy efficiency class F (light source) in accordance with EU 2019/2015  Glow wire test 960°C  Appliance class class I  Walkover no  Drive-over no  Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm  Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	Operating temperature	-20°C — +45°C
Glow wire test 960°C  Appliance class   class    Walkover no  Drive-over no  Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm  Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	Impact resistance	IK07
Appliance class  Walkover  no  Drive-over  no  Power cables  includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm  IPS (Intelligent Protection System); PID (Protective Impedance Device)	Energy efficiency class	F (light source) in accordance with EU 2019/2015
Walkover no  Drive-over no  Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm  Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	Glow wire test	960°C
Drive-over no  Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm  Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	Appliance class	class I
Power cables includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm  Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	Walkover	no
Protection systems IPS (Intelligent Protection System); PID (Protective Impedance Device)	Drive-over	no
	Power cables	includes 1.5 m neoprene cable H05RN-F 3x1,0 Ø7 mm
Photobiological safety photobiological safety: risk group 1 according to EN 62471:2006	Protection systems	IPS (Intelligent Protection System); PID (Protective Impedance Device)
	Photobiological safety	photobiological safety: risk group 1 according to EN 62471:2006

### PHOTOMETRIC DATA AND ACCESSORIES



#### PHOTOMETRIC DATA

 $M - 29^{\circ}$ 

		Lux max (3000K) cd/Klm max 3437 — C0 - C180
H (m)	Ø (m)	
1.00	0.52	1767
2.00	1.05	442
3.00	1.57	196
4.00	2.10	110 30°
5.00	2.62	71 0°

## **ACCESSORIES**

## Installation Accessories







## WP0100

Spike for in-ground installation





## WP1006E

Spike for in-ground installation - h 500 mm - white

#### WP1007E

Spike for in-ground installation - h 800 mm - white

## Anti-glare





#### WB1001E

Standard snoot - white



Asymmetrical snoot - white

### Other



WP1004

# DATASHEET SPOT 2.4, CODE: CF2410000050ME PHOTOMETRIC DATA AND ACCESSORIES



Fastener	strap	_	5	m

 $L\&L\ Luce\&Light\ SRL\ reserves\ the\ right\ to\ change\ the\ information\ contained\ in\ this\ document\ at\ any\ time\ without\ prior\ notice\ being\ given.$