



**EASY PUT UP  
AND ADJUSTMENT  
THANKS TO A  
PROVIDED  
STAINLESS STEEL  
STAND**

**COMPACT  
30 X 30 MM**

## **SPOT**

**CONFINED ENVIRONMENT**

### Compact Spot Light

Aluminium body

Integrated electronics allow the plugging of SP1 on a 24V power supply

Strobe or continuous mode

5 wavelenghts availables

**TPL**  
**VISION**  
Active LEDs solutions

[www.tpl-vision.net](http://www.tpl-vision.net)

# 1 LED COMPACT SPOT LIGHT



**Description :**

The 1 LED spot by TPL Vision is made to illuminate a small area (light point).  
Very compact, it is directly plugged on a 24VDC power supply.

**How to use it :**

The SP1 will make the plane surfaces areas bright and emphasize the shadows.

**Products highlights :**

Compact version of the 1 LED bar SBAR. No need for a ball pivot.  
This spot is also available in UV405 nm for glue detection, glue, paint, etc.

**Common applications :**

Quality control : surface area faults, marking reading, presence/absence, outline faults, lack of material, colours, etc.

**Optional accessories :**



M12 4 poles female cable - 2 m	<b>C-M12-4P-2M</b>
M12 4 poles female cable - 5 m	<b>C-M12-4P-5M</b>
M12 4 poles crooked female cable - 2 m	<b>C-CA-M12-4P-2M</b>
M12 4 poles crooked female cable - 5 m	<b>C-CA-M12-4P-5M</b>
White diffuser for 1 LED Spot	<b>DO-SPOT1</b>
Polarizing film for 1 LED Spot	<b>POL-SPOT1</b>
Matte diffuser	<b>DS-SPOT1</b>

**Order references :**

1 LED Spot (Continuous)	<b>SP1-xxx</b>
1 LED Spot (Strobe)	<b>SP1-xxx-ST</b>

**Order references in relation with the product :**

1 LED Spot UV 405 nm	<b>SP1-405</b>
ThinLED spot light	<b>THLFL030SP1XXX</b>
Bar SBAR of 1 LED	<b>SBAR1-xxx</b>

	<b>SP1-xxx</b>	<b>Comments</b>
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<b>Electric specifications</b>		
Power supply	24 V DC	+/-10%
Power consumption	1 W	1.75 W for IR
Maximum power in the LED	350 mA	1A for IR
Maximum rise time	1,5 ms	
Maximum fall time	1,5 ms	
Mode	Continuous	Option Strobe ( <b>ref -ST</b> )
Wiring	Male M12 4 poles connector	
<b>Mechanical specifications</b>		
Number of LEDs	1	
Dimensions	70.6 x 34 x 34 mm	Except fixing stand
Weight	100 g	
Material (body)	Aluminium/EPDM	
Luminosity : Distance/ Power	50 cm/ 1000 Lux	
Uniformity : covered surface / Homogeneity	ø22cm/80%	50 cm away
Optic angle full	34°	except WHI :20°
Other Lenses available	FOC(14°) - 50° - DOM (90°)	
Colours available	<b>WHI 630 470 525 850</b>	
Mounting options	2 M4 holes	
Included accessories	Stainless steel stand	
<b>Environment</b>		
Operating temperature	0-40°C	
Storage temperature	0-60°C	
IP class	IP40	
Labels	RoHS - CE - DEEE	

**Other documents available online :**

- Product plans (pdf, dwg, dxf, igs, step and x\_t)
- Plug in and settle up documents