

SPOT SBAR

EASY TO USE POWERFUL LIGHTING SPOT

▷ MACHINE VISION SYSTEM

▷ HIGH POWERFUL LED LIGHTING

▷ SPOT LIGHT

▷ DIRECT ILLUMINATION

▷ QUALITY CONTROL WITH CAMERA

A VERY POWERFUL SPOT IN A BAR SHAPE.

- ✓ Powerful lighting,
- ✓ continuous or strobe mode,
- ✓ easy to use.



SOLID BODY

COLOURLESS ANODIZED
ALUMINUM

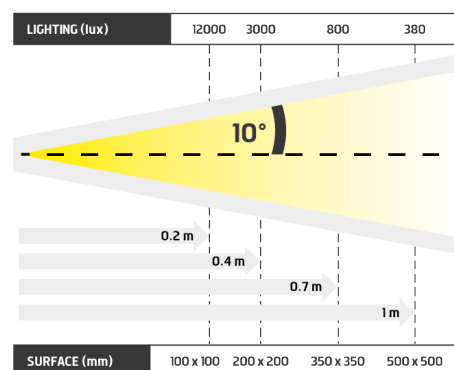
M12 CONNECTOR

Available in UV365,
UV385 and UV405

Equipped with a powerful led, the Spot SBAR is the ideal compromise between the spot and the bar : the Spot SBAR provides a very powerful lighting, just like a spot, and can be easily fixed, thanks to the groove behind, like a bar. Set up either upwards or downwards, it enables the powerful lighting of confined spaces. Thanks to its directive intense or diffuse lighting, the Spot SBAR reveals its whole potential for the control of a circular surface. Finally, the inside electronics make it very easy to use : you just have to plug the Spot SBAR on a 24V power supply.

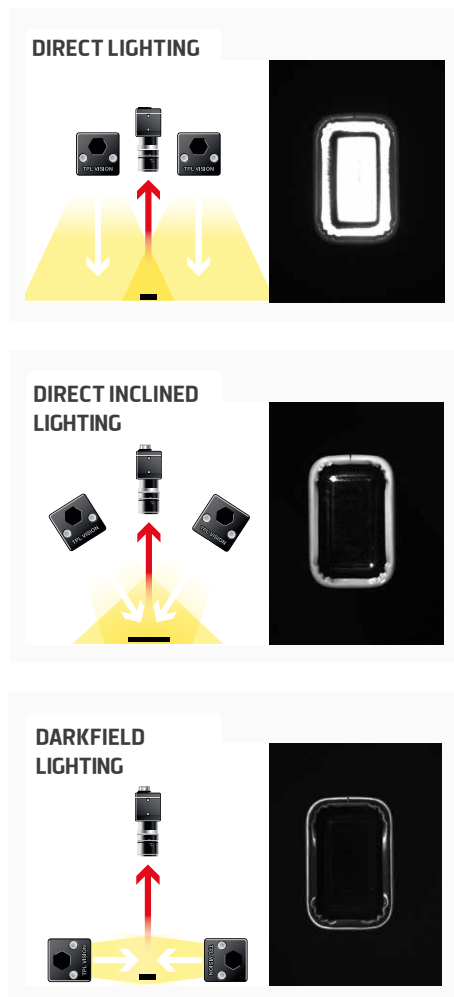
Distance	0.2m		0.4m		0.7m		1m	
SBAR1-WHI	12000 lux	100 x 100 mm	3000 lux	200 x 200 mm	800 lux	350 x 350 mm	380 lux	500 x 500 mm

Minimum guaranteed values (white lighting measures)



UV-INFO

In the light spectrum, UV (ultra violet) rays are electromagnetic radiations situated between 280 and 400 nm (visible radiations: between 400 and 800 nm). What makes UV very interesting is the fact that, even if it is invisible for the naked eye, it can be observed by fluorescence: when some bodies are submitted to UV wavelengths, they emit a visible light. This is the principle of black light and of counterfeit notes detection. TPL Vision only uses UV belonging to the UV-A range.



TECHNICAL SPECIFICATIONS

Electronics	
Power supply	24V $\pm 10\%$
Functioning mode	Continuous or strobe according to wiring
Maximum rising time	1.5ms
Maximum falling time	1ms
Wiring	M12 4 poles male connector
Max. Consumption	2W
Optics	
Colour	White, Red, Green, Blue, Infrared, UV 365, UV385, UV405
Standard lens	$\pm 10^\circ$ for standard colours & UV405, $\pm 15^\circ$ for UV365 & UV385
Mechanics	
Dimensions	47 x 47 x 75 mm
Useful surface	45 x 35 mm
Weight (g)	200g
Materials	Colourless anodized aluminum
Fixing	2 M8 nuts to insert in the back groove
Included add-ons	2 M8 nuts
Environment	
Operating temperature	0 - 40°C
Storage temperature	0 - 60°C
IP protection	IP 40
Information	
Labels	RoHS / CE / UKCA / WEEE
Country of Origin	Made in France
Tariff Number	94054990

HOW TO BUILD YOUR REFERENCE

REQUIRED SETTINGS				OPTION
SBAR	COLOUR	OPTIC ANGLE	DIFFUSER	IP OPTION
	WHI	7 $\pm 7^\circ$	TRANSPARENT	IP40 RATED
	630	10 $\pm 10^\circ$	DO OPAQUE	IP65 IP65 RATED
	525	9-16 $\pm 9^\circ/16^\circ$	DS SATIN	
	470	17 $\pm 17^\circ$	POL POLARISER*	
	850	25 $\pm 25^\circ$		
	405	NL NO LENS		
				* DO NOT CONCERN THE SBAR 850
REQUIRED SETTINGS				OPTION
SBAR	COLOUR	OPTIC ANGLE	IP OPTION	
	365	5 $\pm 5^\circ$	IP40 RATED	
	385	15 $\pm 15^\circ$	IP65 IP65 RATED	
		NL NO LENS		

EXAMPLES :


SBAR WHITE LED $\pm 10^\circ$ OPAQUE DIFFUSER IP40 RATED:
 → SBAR-WHI-10-DO

SBAR BLUE LED $\pm 9^\circ/16^\circ$ POLARISER IP40 RATED:
 → SBAR-470-9-16-POL

SBAR LED UV365 $\pm 15^\circ$ IP65 RATED:
 → SBAR-365-15-IP65

ACCESSORIES

M12 female – 4 pins cable



2 meters	Ref: C-M12-4P-2M
5 meters	Ref: C-M12-4P-5M
10 meters	Ref: C-M12-4P-10M

Diffusers & polariser



Opaque diffuser	Ref: DO-SBAR
Satin diffuser	Ref: DS-SBAR
Polariser*	Ref: POL-SBAR

* Only for standard and UV 405 versions.

Safety glasses



Ref: EYE-PROTECT

MOUNTING DEVICES

Mounting accessory for camera



Ref: TPL-MOUNT-BAR-H1

Mounting accessory for camera



Ref: TPL-MOUNT-BAR-V1

Mounting accessory



Ref: BMOUNT

Mounting accessory



Ref: SWIVEL-MOUNT

Features and presentations liable to modifications without prior notice. Ref.TS-040201-D1, 2025/07 Edition.