



LOW ANGLE II

POWERFUL LOW ANGLE LIGHTING

▷ MACHINE VISION SYSTEM

▷ QUALITY CONTROL WITH CAMERA

▷ HIGH POWERFUL LIGHTING

▷ DARK FIELD LIGHTING

▷ DIFFUSE AND HOMOGENEOUS LIGHTING

HOMOGENEOUS AND DIFFUSE DARKFIELD LIGHTING

LOW ANGLE II 80

LOW ANGLE II 130



- ✓ High powerful lighting,
- ✓ Homogeneous & diffuse lighting,
- ✓ 2 sizes : 80 mm & 130 mm.

NEW BLACK VERSION

with mounting system on the top

The LOW ANGLE II provides a darkfield lighting, very popular among industrial vision professionals. Equipped with new leds, this version is 4 to 5 times more powerful than the previous version (as far as white and red leds are concerned). Placed closely to the surface, it provides an homogeneous lighting with a low incidence angle. The LOW ANGLE II can detect any kind of reliefs on flat surfaces.

It turns out to be very useful to check engravings and to highlight edges, holes and cracks. The LOW ANGLE II can be easily set up on a production line, thanks to the M12 connector. The two versions (80 and 130 mm) can cope with the most demanding industrial standards, either in continuous or in strobe mode.



TECHNICAL SPECIFICATIONS

	LOW ANGLE II 80	LOW ANGLE II 130
Electronics		
Power supply	24 VDC \pm 10%	
Functioning mode	Continuous or strobe according to wiring	
Rising time	10 μ s	
Falling time	10 μ s	
Wiring	Remote M12 4 poles male connector	
Max. consumption 630 & 880 nm	4.2 W	
Max. consumption other colors	8.6 W	
Optics		
Colour	White, Red, Green, Blue, Infrared	
Number of Leds	96	
Mechanics		
Dimensions	\varnothing Int : 74 mm - \varnothing Ext : 150 mm	\varnothing Int : 125 mm - \varnothing Ext : 201 mm
Thickness	25 mm	
Weight	140 g	200 g
Body materials	Aluminum and ABS	
Fixing	3 M4 screws	
Environment		
Operating temperature	0 - 40°C	
Storage temperature	0 - 60°C	
IP protection	IP 30	
Labels	RoHS-CE-WEEE	

HOW TO BUILD YOUR REFERENCE

REQUIRED SETTINGS

LOWANGLEII	-	SIZE	-	COLOUR
		80		WHI <input type="checkbox"/>
		130		630 <input type="checkbox"/>
				525 <input type="checkbox"/>
				470 <input type="checkbox"/>
				880 <input type="checkbox"/>

EXAMPLES :

LOW ANGLE II 80 WHITE LEDS : → LOWANGLEII-80-WHI

LOW ANGLE II 80 RED LEDS : → LOWANGLEII-80-630

LOW ANGLE II 130 BLUE LEDS : → LOWANGLEII-130-470

RESULTS :

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

Mounting accessory



Low Angle II 80	Réf : SDMOUNT-80
Low Angle II 130	Réf : SDMOUNT-130

Safety glasses



Ref: EYE-PROTECT

Features and presentations liable to modifications without prior notice. Ref.TS-060101-B3, 2020/01 Edition

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Other available documents :

- PDF, DWG, DXF, IGS, STEP & X_Y DRAWINGS
- USER'S GUIDE

