TPL VISION
Active LED solutions

SMALL SDOME II
SMALL DOMES, HIGH POWERFUL LIGHTING

▷ MACHINE VISION SYSTEM   ▷ QUALITY CONTROL WITH CAMERA   ▷ HIGH POWERFUL LIGHTING   ▷ DOME LIGHT   ▷ DIFFUSE AND HOMOGENEOUS LIGHTING
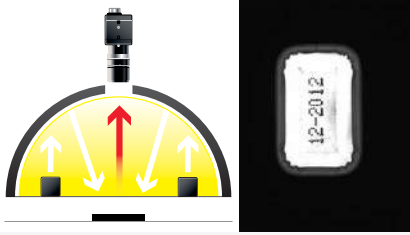
POWERFUL AND INGENIOUS DOME, TO PERFECTLY MASTER THE LIGHT

SDOME II 80

SDOME II 130

PLUG & LIGHT
THE SELECTION
PRODUCT
&

M12 CONNECTOR

SOLID BODY
ALUMINIUM & ABS

✔ Homogeneous lighting,
✔ clips to reduce the aiming window,
✔ 2 sizes : 80 and 130 mm.

CLIPPING SYSTEM
TO FIT ANY KIND OF CAMERAS

NEW BLACK VERSION
■ LARGER HOLE ON THE TOP
■ BIGGER NUMBER OF CLIPS
■ NEW FIXING SYSTEM

Equipped with new leds, the SMALL SDOME II gets a lighting power 4 to 5 times higher than the previous version used to have for white and red leds (WHI & 630). The SMALL SDOME II offers a diffuse and homogeneous indirect lighting that lessen reflections and enable a reliable quality control process on curved and shiny surfaces. This is the ideal light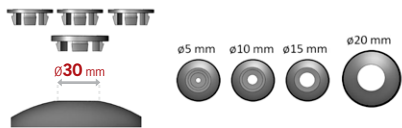ing for bar codes and 2D codes reading. Thanks to the ingenious clipping system, the hole located on the top of the dome can be easily customized, so as to fit the camera's lens perfectly. Available in two sizes (80 cm an 130 cm), the SMALL SDOME II is compliant with industrial standards, including connection (M12 connector).

CLIPS SYSTEM
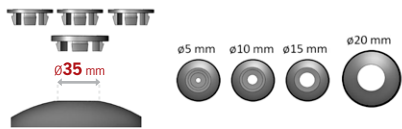
SDOME II 80

ø5 mm ø10 mm ø15 mm ø20 mm

ø30 mm

SDOME II 130

ø5 mm ø10 mm ø15 mm ø20 mm

ø35 mm

TECHNICAL SPECIFICATIONS

	SDOME II 80	SDOME II 130
Electronics		
Power supply	24 VDC +/-10%	
Functioning mode	Continuous or strobe according to wiring	
Rising time	10 µs	
Falling time	10 µs	
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	Ø Int : 74 mm - Ø Ext : 150 mm	Ø Int : 125 mm - Ø Ext : 201 mm
Height	69 mm	94 mm
Visualisation window	Ø 30 mm	Ø 35 mm
Clips system	Ø 20 mm, Ø 15 mm, Ø 10 mm, Ø 5 mm	
Weight	170 g	230 g
Body materials	Aluminum and ABS	
Fixing	3 M5 screws	
Environment		
Operating temperature	0 - 40°C	
Storage temperature	0 - 60°C	
IP protection	IP 30	
Labels	RoHS-CE-DEEE	

RELATED PRODUCTS

Ask for your add-ons, customized for the Small SDOME II :

- wiring
- fixing hardware
- safety glasses

MY CONTACT

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HOW TO BUILD YOUR REFERENCE

REQUIRED SETTINGS

SDOMEII	SIZE	–	COLOUR
	80		WHI
	130		630
			525
			470
			880

EXAMPLES :
SDOME II 80 WITH WHITE LEDS : ➡ SDOMEII80-WHI
SDOME II 80 WITH RED LEDS : ➡ SDOMEII80-630
SDOME II 130 WITH BLUE LEDS : ➡ SDOMEII130-470

RESULTS :

Other available documents :
- PDF, DWG, DXF, IGS, STEP & X_Y DRAWINGS
- USER'S GUIDE

Small SDOME II

RoHS COMPLIANT CE