LIGHTING
COMBINATIONAXIAL
LIGHTINGRADIAL
LIGHTING

LED LIGHTING SYSTEMS

SAR SERIES





SAR21.01

Diffuse ring and 90° axial lights

Linear projector with high illumination for larger areas, longer distances and better performances.

This system produces great contrast and emphasizes textures, relieves and fissures that the lighted object could have.

► Technical specifications¹

Lighting model	SAR0504A
  	
Dimensions	80x70x96
Active surface	74x62
RWD (mm)	<100
Weight	356g
IP rating	IP40
Mounting holes	(x2)M4I6
Connection (Type C/S)	3P male chassis connector PIN 1 = +24V ±3% PIN 2 = 0V RING PIN 3 = 0V AXIAL
Power cable (Not-included)	VCC Series
Modifiers ²	N/A
Accessories ³	
iBlueDrive tech.	N/A

► Instantaneous consumption⁴ (max.)

*WT

Lighting model	SAR0504A-RING / SAR0504A-AXIAL		
TYPE C 24VDC		3.6W	6.1W
		3.6W	6.1W
		3.6W	6.1W
		3.6W	6.1W
		3.6W	6.1W
TYPE P	No 'Type P' standard LED lighting systems in this series		
TYPE S Dmax= 1/20 Ton max= 2ms		530mA/13W	880mA/21W
		530mA/13W	880mA/21W
		530mA/13W	880mA/21W
		1255mA/30W	2090mA/50W
		530mA/13W	880mA/21W
TYPE i	No 'Type i' standard LED lighting systems in this series		

(1) Environmental specifications and iconography legend in additional annex Z1.4 and Z2 respectively.

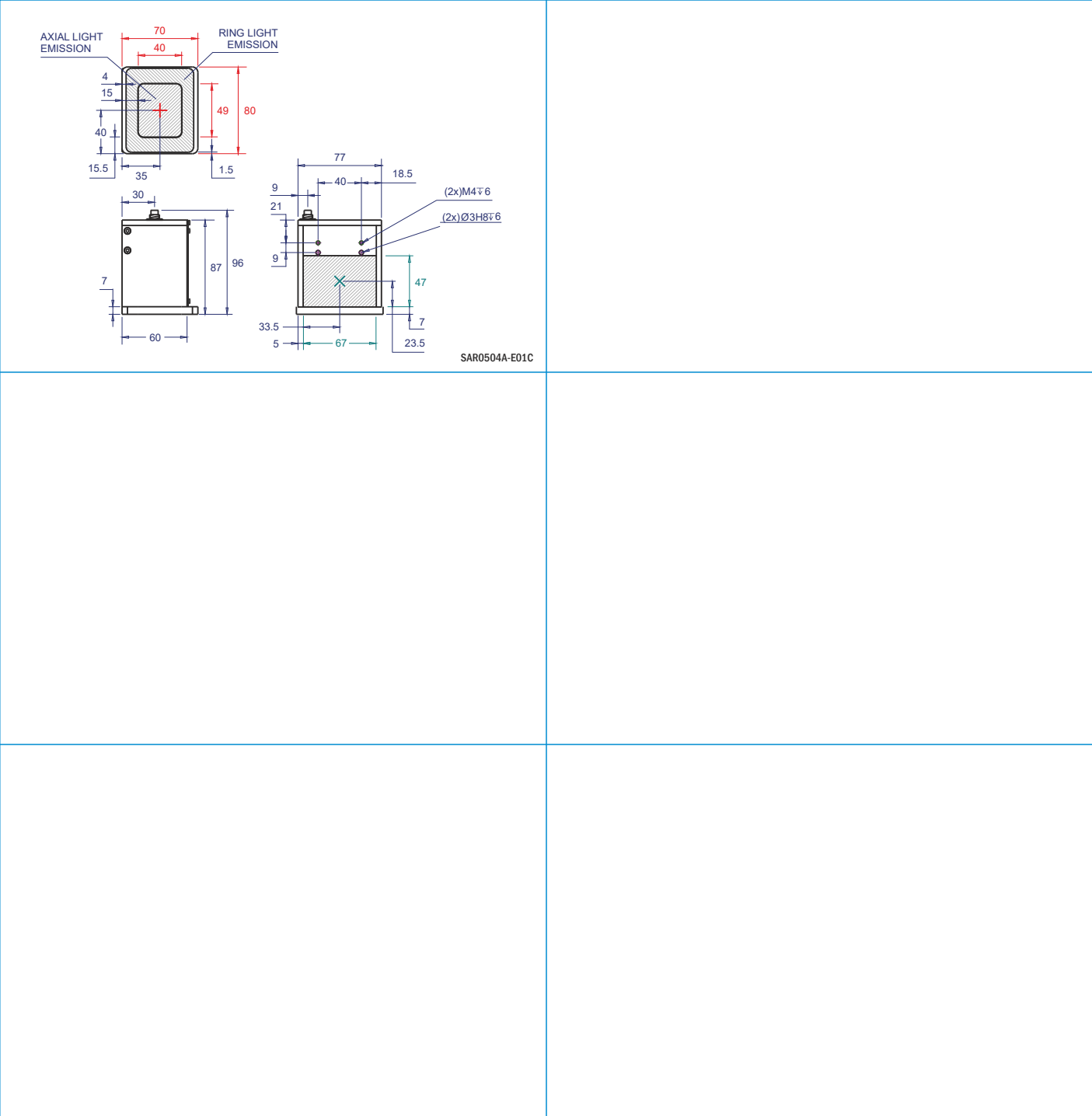
(2) Prior to manufacturing optional modifications in standard lighting systems. Please, consult the code before ordering (additional annex Z2.1).

(3) Accessories are not-included. More information in accessories section.

(4) Bear in mind that consumption table is only to be used as a guide. To refer to real values, please, consult product label when purchasing.



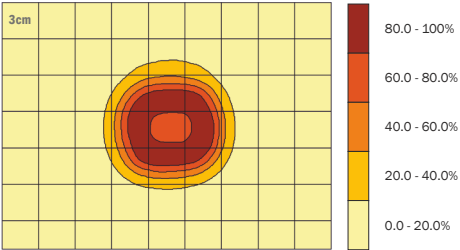
SAR SERIES



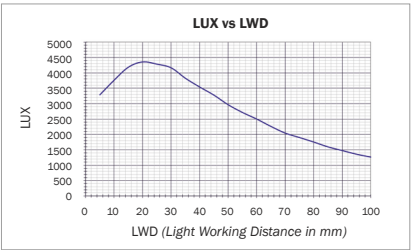
All units in millimeters, if not indicated.



Example of SAR captured image



Brightness distribution of SAR0504A-630C@15mm



SAR0504A-630C light intensity.

► Z3.1 - Environmental Specifications

Max. Operating Humidity	85% non-condensing
Operating Temperature	0 - 40°C
Storage Temperature	0 - 60°C
Housing material	Anodized aluminium
Standards	

► Z3.2 - Modifiers legend

icon	Description	Code
	Narrow angle of emission	/AN
	Medium angle of emission (default)	/AM
	Wide angle of emission	/AW
	Oval angle of emission = 23-24° (x) 17-18° (y)	/AO
	Diffuse emission	/AD
	Polarizer filter	/FPL
	Diffuser filter	/FDR
	Backlight hole of 42mm	/H
	Backlight hole of 65mm	/H1
	Dome hole of 46mm	/CC1
	Dome hole of 40mm	/CC2
	IP Rating = IPxx = IP65 / IP67	/65 / 67
	PNP input model	/P
	50mm focal Length	/F1
	150mm focal Length	/F2
	Infinite focal Length	/F3
	Lighting by sectors = 2 or 4 sectors	/2S / 4S

► Z3.3 - Accessories legend

icon	Description	Serie
	Power cable/s	VCB, VCC, VCD Series
	Other cable/s	VCU, VCL
	Strobe and RGB controller/s	VST, VSC Series
	Polarizer filter	VPF, VPC
	Diffuser filter	VDF
	Collimator filter on x axis	VCFx
	Collimator filter on y axis	VCFy
	Collimator filter on xy axis	VCFxy
	Darkfield converter	VRF
	Protector filter	VPT
	Heat dissipator	VHD
	Fixing bracket	VBA, VBB, VBC Series

► Z3.4 - Technical drawings legend

icon	Description
	Optical axis
	Viewing window dimensions
	Lighting elements
	Light emission center
	Lighting surface dimensions

► Z3.5 - Colours & Wavelegths legend

icon	Wavelength	Colour	Code
	365nm	UV-	-365
	400nm	UV	-400
	470nm	BLUE	-470
	525nm	GREEN	-525
	630nm	RED	-630
	850nm/880nm	IR	-850/-880
		WHITE	-W00
		RGB	-RGB

► Z3.6 - Types of lighting legend

icon	Description
	Radial lighting
	'Darkfield' lighting effect. Low angle illumination
	Backlight illumination
	'Cloudy day' lighting effect
	'Bright field' lighting effect
	Projector lighting
	Axial lighting

► Z3.7 - Types of light legend

icon	Description
	Direct light
	Diffuse light
	Ultra-diffuse light