DTL SERIES

Transmitted dome lights

Differently from DOM series, the light is transmitted uniformly trough the dome, which is of traslucid material, allowing more compact domes better covering the object. Specially designed for bright curved surfaces, eliminating brightness and shadows. Also, this system can get the lighting dome divided in three sectors controllable independently, increasing versatility. Ideal for inspection of welds.

▶ **Technical specifications[1]**

Lighting model	DTL3521B
Dimensions	Ø225x85
Bottom	55
RWD (mm)	<50
Weight	1440g
IP rating	IP40
Mounting holes	2 x M8Ⅰ8 6 x M4Ⅰ6
Connection *(Type C/S)*	4P male chassis connector PIN 1 = +24V ±3% PIN 2 = 0V inner sector PIN 3 = 0V middle sector PIN 4 = 0V outer sector
Power cable *(Not-included)*	VCD Series
Modifiers[2]	N/A
Accessories[3]	

▶ **Instantaneous consumption[4] (max.)**   *WT

Lighting model		DTL3521B (inner)	DTL3521B (middle)	DTL3521B (outer)	
TYPE C 24VDC	B	6.4W	13W	16W	-470C
	G	6.4W	13W	16W	-525C
	R	6.4W	13W	16W	-630C
	i	6.4W	13W	16W	-850C
	W	6.4W	13W	16W	-W00C
TYPE P		No 'Type P' standard LED lighting systems in this series			
TYPE S Dmax= 1/10 Ton max= 2ms	B	1055mA/25W	2110mA/51W	2640mA/63W	-470S
	G	1055mA/25W	2110mA/51W	2640mA/63W	-525S
	R	1055mA/25W	2110mA/51W	2640mA/63W	-630S
	i	2510mA/60W	5015mA/120W	6270mA/150W	-850S
	W	1055mA/25W	2110mA/51W	2640mA/63W	-W00S
	🔴	1200mA/29W channel	2100mA/50W channel	3000mA/72W channel	-RGBS
TYPE i		No 'Type i' standard LED lighting systems in this series			

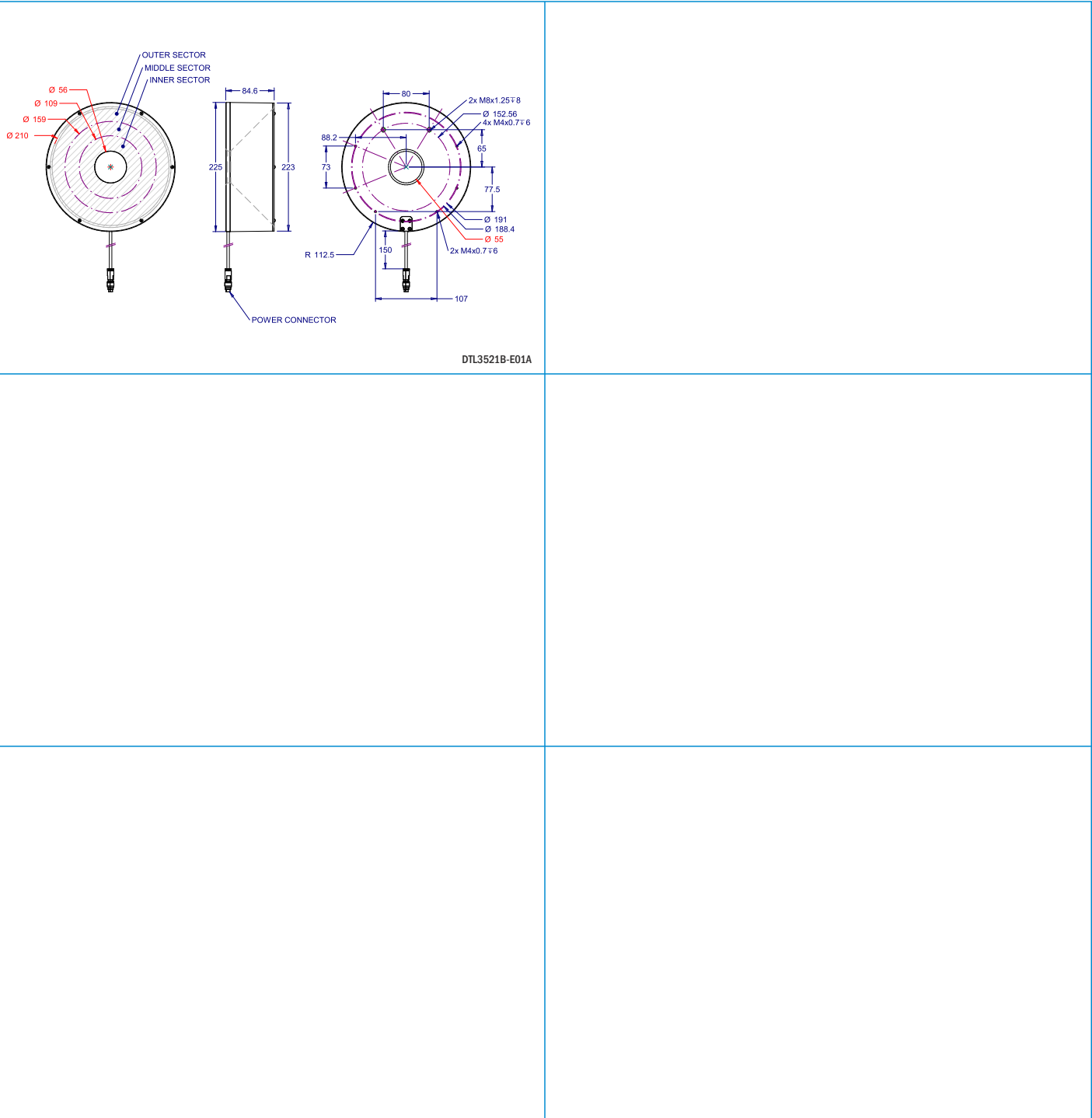(1) Environmental specifications and iconography legend in additional annex Z4.
(2) Please, consult the code before ordering (additional annex Z4.2).

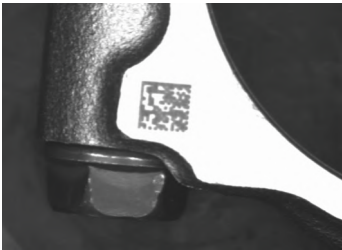(3) Accessories are not-included. More information in accessories section.
(4) Bear in mind that consumption table is only to be used as a guide. To refer to real values, please, consult product label when purchasing.
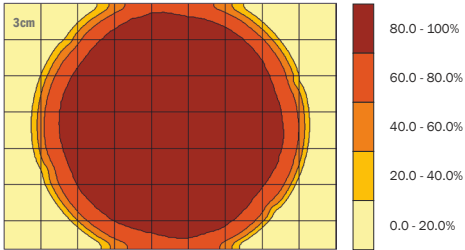
*ORDER REFERENCE = Lighting model + WT / MODIFIERS

DCM sistemes

DTL SERIES

OUTER SECTOR
MIDDLE SECTOR
INNER SECTOR

Ø 56
Ø 109
Ø 159
Ø 210

84.6

225   223

80

2x M8x1.25▼8
Ø 152.56
4x M4x0.7▼6

88.2

73

65

77.5

Ø 191
Ø 188.4
Ø 55
2x M4x0.7▼6

R 112.5

150

107

POWER CONNECTOR

DTL3521B-E01A

All units in millimeters, if not indicated.

Example of DTL captured image

3cm

80.0 - 100%
60.0 - 80.0%
40.0 - 60.0%
20.0 - 40.0%
0.0 - 20.0%

Brightness distribution of DTL3521B-630C@5mm

▶ Z4.1 - Environmental Specifications

Max. Operating Humidity	85% non-condensing
Operating Temperature	0 - 40ºC
Storage Temperature	0 - 60ºC
Housing material	Anodized aluminium
Standards	CE UKCA RoHS COMPLIANT

▶ Z4.2 - Modifiers legend

icon	Description	Code
	Narrow angle of emission	/AN
	Medium angle of emission *(default)*	/AM
	Wide angle of emission	/AW
	Diffuse emission	/AD
	Polarizer filter	/FPL
	Diffuser filter	/FDR
H	Backlight hole of 42mm	/H
H1	Backlight hole of 65mm	/H1
CC1	Dome hole of 46mm	/CC1
CC2	Dome hole of 40mm	/CC2
Ipxx	IP Rating = IPxx = Ip65 / IP67	/65 /67
PNP	PNP input model	/P
f1	50mm focal Length	/F1
f2	150mm focal Length	/F2
f3	Infinite focal Length	/F3
4S	Lighting by sectors = 4 sectors	/4S

▶ Z4.3 - 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
	Collimater filter on **x** axis, y axis or both	VCF
	Darkfield converter	VRF
	Protector filter	VPT
	Heat dissipator	VHD
	Fixing bracket	VBA, VBB, VBC Series

▶ Z4.4 - Technical drawings legend

icon	Description
✕	Optical axis
↗	Viewing window dimensions
—	Lighting elements
+	Light emission center
↗	Lighting surface dimensions

▶ Z4.5 - Colours & Wavelegths legend

icon	Wavelength	Colour	Code
U	365nm	UV-	-365
U	400nm	UV	-400
B	470nm	BLUE	-470
G	525nm	GREEN	-525
R	630nm	RED	-630
I	850nm/880nm	IR	-850/-880
W		WHITE	-W00
		RGB	-RGB

▶ Z4.6 - 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

▶ Z4.7 - Types of light legend

icon	Description
	Direct light
	Diffuse light
	Ultra-diffuse light

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Natascha Overhof

Christian Crompvoets

Machine Vision Shop

Trade name of Vision Consultancy BV

Robert Schumandomein 2
6229 ES Maastricht
The Netherlands

+31 (0) 438 522 651

sales@vision-consultancy.nl
www.machine-vision-shop.com

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