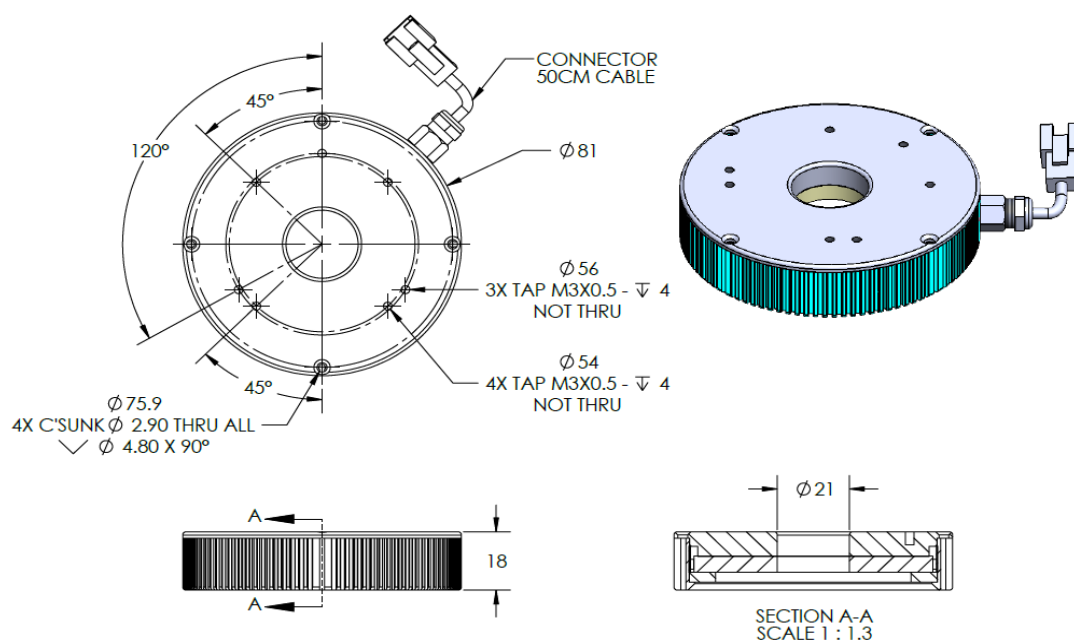




ILLUMINATOR DATA-ID

DFR4-00-080-1-W-24V

Lighting Dimension




Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	110 g
Length / Outer Diameter	81 mm
Width / Inner Diameter	21 mm
Thickness / Height	18 mm



ILLUMINATOR DATA-ID

DFR4-00-080-1-W-24V

Optical Information																														
Part Number		DFR4-00-080-1-W-24V																												
LED Color		WHITE																												
Wavelength	(nm)	*Refer to the Chromaticity Table below																												
Intensity (±15%)	(Lux)	56090	47712	40470																										
Working Distance	(mm)	20	25	30																										
Illumination (number of row)		1																												
Illumination Active Area																														
Active Length / Outer Diameter	(mm)	71.8																												
Active Width / Inner Diameter	(mm)	21																												
Emission angle	(deg.)	0																												
Eye Safety Class (IEC62471)		EXEMPT																												
*CHROMATICITY TABLE		<table border="1"> <tr> <td>X</td> <td>0.296</td> <td>0.287</td> <td>0.307</td> <td>0.311</td> <td></td> </tr> <tr> <td>Y</td> <td>0.276</td> <td>0.295</td> <td>0.315</td> <td>0.294</td> <td></td> </tr> </table> <table border="1"> <tr> <td>X</td> <td>0.311</td> <td>0.307</td> <td>0.33</td> <td>0.33</td> <td></td> </tr> <tr> <td>Y</td> <td>0.294</td> <td>0.315</td> <td>0.339</td> <td>0.318</td> <td></td> </tr> </table>					X	0.296	0.287	0.307	0.311		Y	0.276	0.295	0.315	0.294		X	0.311	0.307	0.33	0.33		Y	0.294	0.315	0.339	0.318	
X	0.296	0.287	0.307	0.311																										
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Electrical Information																														
Lighting Supply Voltage (constant voltage mode)		24V ± 2%																												
Continuous Current	(mA)	196																												
Power Consumption	(W)	4.7																												
Lighting casing temperature, Operating after 60 minutes	°C	57																												
Strobe Mode Specification																														
Pulse Operation		YES																												
Max. Lighting Supply Voltage (Constant voltage power supply)	(V)	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle Recommended at 36VDC																												
Pulse Current, (Max. 10msec) (Constant current power supply)	(mA)	588																												
Max. Trigger Pulse Duration	(msec)	10																												
Duty Cycle		0-10%																												
Additional Information																														
Additional Cooling Method		Attached to machine part for better heat dissipation																												
Intensity Controller Selection		ANG, ST, SD and SDA Series																												
CE Conformity		YES																												
RoHS Compliance		YES																												
Connection																														
Connector Type (Default):		JST SMR-03V																												
Cable Length out from lighting :	(mm)	500																												
Pin Configuration :		Pin	Signal	Cable Color																										
		1	LED +	RED																										
		2	N.C.	---																										
		3	LED -	WHITE																										
																														
Application																														
Illumination Type		Diffused Illumination																												
Application Use		Printed character on IC chips, PCB component, printing on caps, and wafer OCR inspection.																												



ILLUMINATOR DATA-ID

DFR4-00-080-1-W-24V

Uniform Graph (Relative Irradiation Strength) - Representative pattern

WD	Tolerance	Diameter
25mm	10%	13mm
25mm	20%	25mm
25mm	30%	32mm

