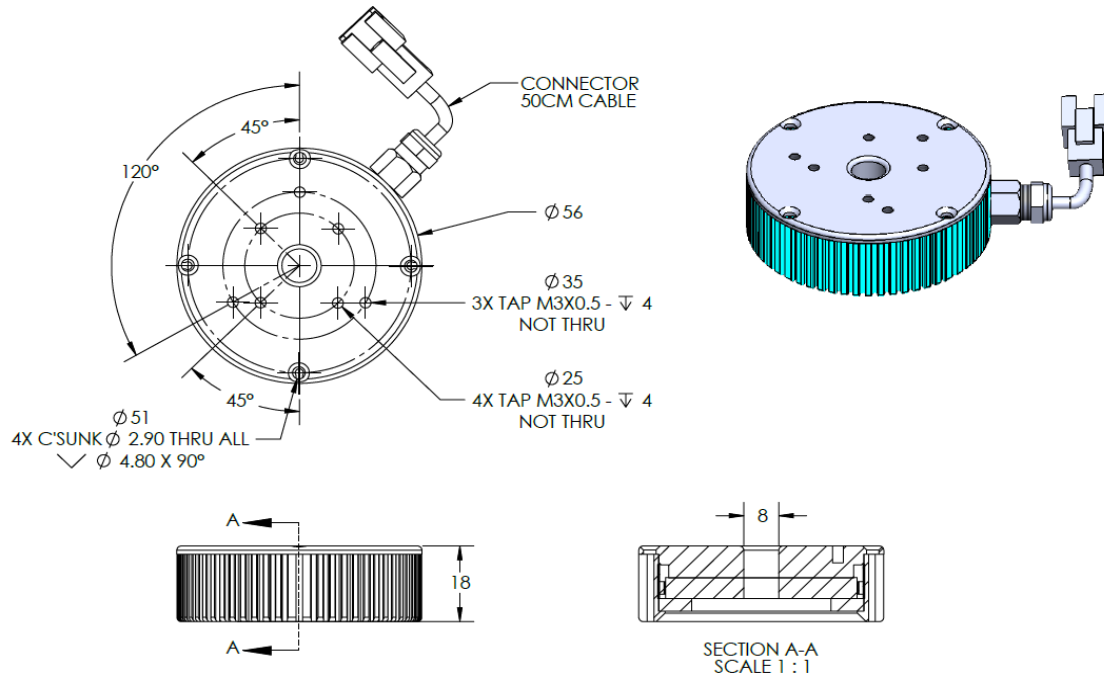




# ILLUMINATOR DATA-ID

**DFR4-00-050-1-W-24V**

## Lighting Dimension




Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	60 g
Length / Outer Diameter	56 mm
Width / Inner Diameter	8 mm
Thickness / Height	18 mm



# ILLUMINATOR DATA-ID

## DFR4-00-050-1-W-24V

<b>Optical Information</b>																											
Part Number		DLQ2-90-050-1-W-24V																									
LED Color		WHITE																									
Wavelength	(nm)	*Refer to the Chromaticity Table below																									
Intensity (±15%)	(Lux)	46434	45014	35500																							
Working Distance	(mm)	10	15	20																							
Illumination (number of row)		1																									
Illumination Active Area																											
Active Length / Outer Diameter	(mm)	31.8																									
Active Width / Inner Diameter	(mm)	8																									
Emission angle	(deg.)	0																									
Eye Safety Class ( IEC62471 )		EXEMPT																									
<b>*CHROMATICITY TABLE</b>		<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> <td>X</td> <td>0.311</td> <td>0.307</td> <td>0.33</td> <td>0.33</td> </tr> <tr> <td>Y</td> <td>0.276</td> <td>0.295</td> <td>0.315</td> <td>0.294</td> <td></td> <td>Y</td> <td>0.294</td> <td>0.315</td> <td>0.339</td> <td>0.318</td> </tr> </table>				X	0.296	0.287	0.307	0.311		X	0.311	0.307	0.33	0.33	Y	0.276	0.295	0.315	0.294		Y	0.294	0.315	0.339	0.318
X	0.296	0.287	0.307	0.311		X	0.311	0.307	0.33	0.33																	
Y	0.276	0.295	0.315	0.294		Y	0.294	0.315	0.339	0.318																	
<b>Electrical Information</b>																											
Lighting Supply Voltage (constant voltage mode)		24V ± 2%																									
Continuous Current	(mA)	108																									
Power Consumption	(W)	2.6																									
Lighting casing temperature, Operating after 60 minutes	°C	47																									
<b>Strobe Mode Specification</b>																											
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)	324																									
Max. Trigger Pulse Duration	(msec)	10																									
Duty Cycle		0-10%																									
<b>Additional Information</b>																											
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																									
<b>Connection</b>																											
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																							
																											
<b>Application</b>																											
Illumination Type		Diffused Illumination																									
Application Use		Printed character on IC chips, PCB component, printing on caps, and wafer OCR inspection.																									