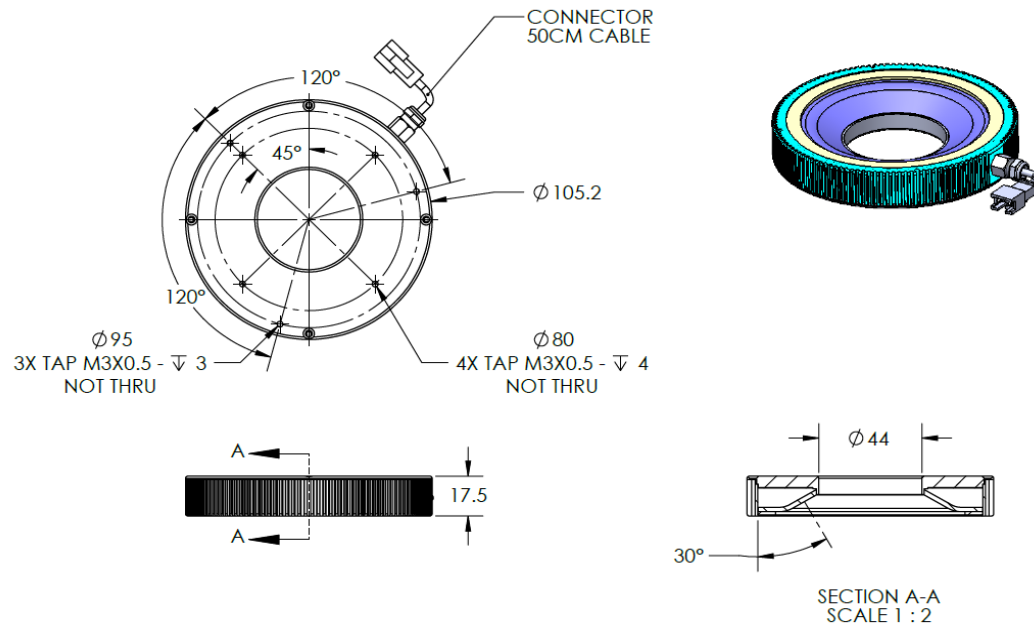




ILLUMINATOR DATA-ID

DFR4-30-100-1-W-24V

Lighting Dimension




Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	230 g
Length / Outer Diameter	105.2 mm
Width / Inner Diameter	44 mm
Thickness / Height	17.5 mm



ILLUMINATOR DATA-ID

DFR4-30-100-1-W-24V

Optical Information																															
Part Number		DFR4-30-100-1-W-24V																													
LED Color		WHITE																													
Wavelength	(nm)	*Refer to the Chromaticity Table below																													
Intensity (±15%)	(Lux)	31382			26724			20064																							
Working Distance	(mm)	31			40			54																							
Illumination (number of row)		1																													
Illumination Active Area																															
Active Length / Outer Diameter	(mm)	95.8																													
Active Width / Inner Diameter	(mm)	46																													
Emission angle	(deg.)	30																													
Eye Safety Class (IEC62471)		EXEMPT																													
*CHROMATICITY TABLE		<table><tr><td>X</td><td>0.296</td><td>0.287</td><td>0.307</td><td>0.311</td></tr><tr><td>Y</td><td>0.276</td><td>0.295</td><td>0.315</td><td>0.294</td></tr></table>					X	0.296	0.287	0.307	0.311	Y	0.276	0.295	0.315	0.294	<table><tr><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>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td></tr></table>					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																											
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																											
Electrical Information																															
Lighting Supply Voltage (constant voltage mode)		24V ± 2%																													
Continuous Current	(mA)	225																													
Power Consumption	(W)	5.4																													
Lighting casing temperature, Operating after 60 minutes	°C	48																													
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)	675																													
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

DFR4-30-100-1-W-24V

Uniform Graph (Relative Irradiation Strength) - Representative pattern

WD	Tolerance	Diameter
40mm	10%	19mm
40mm	20%	36mm
40mm	30%	48mm

