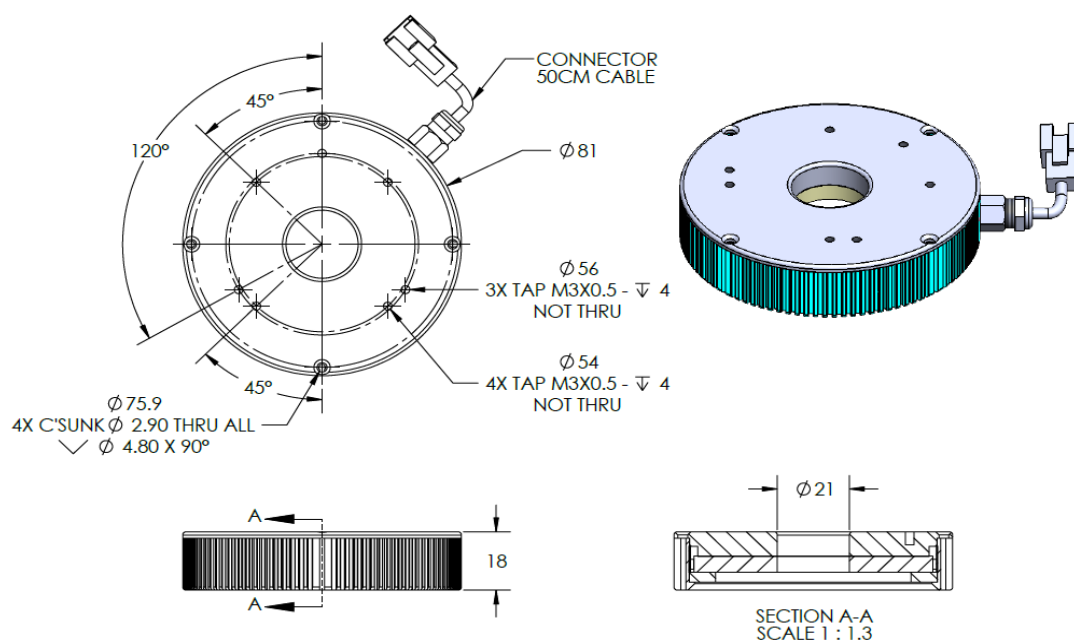




ILLUMINATOR DATA-ID

DFR4-00-080-1-R-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-R-24V

Optical Information			
Part Number		DFR4-00-080-1-R-24V	
LED Color		RED	
Wavelength	(nm)	620	
Intensity (±15%)	(Lux)	7540	
Working Distance	(mm)	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	
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)	4200	
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
		1	LED +
		2	N.C.
		3	LED -
			Cable Color
			RED

			WHITE
			
Application			
Illumination Type		Direct Illumination	
Application Use		Substrate inspection, label inspection, flat surface, fiducially recognition.	



ILLUMINATOR DATA-ID

DFR4-00-080-1-R-24V

Uniform Graph (Relative Irradiation Strength) - Representative pattern

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

