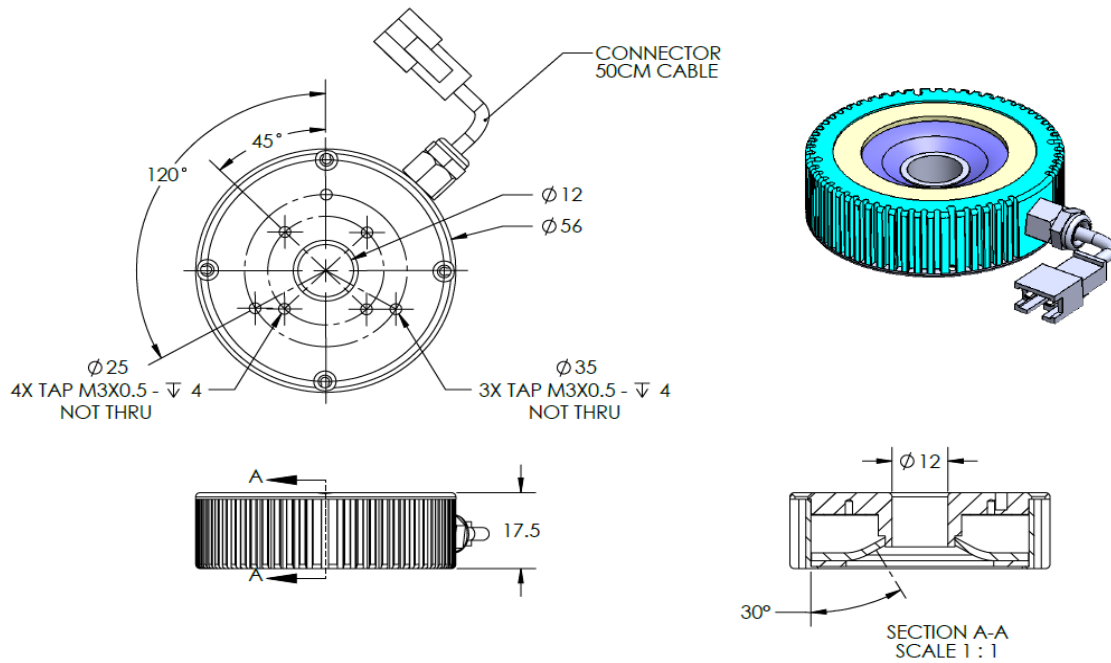




# ILLUMINATOR DATA-ID

**DFR4-30-050-1-R-24V**

## Lighting Dimension




Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	80 g
Length / Outer Diameter	56 mm
Width / Inner Diameter	12 mm
Thickness / Height	17.5 mm



# ILLUMINATOR DATA-ID

## DFR4-30-050-1-R-24V

Optical Information				
Part Number		DFR4-30-050-1-R-24V		
LED Color		RED		
Wavelength	(nm)	650		
Intensity (±15%)	(Lux)	11218	9301	7682
Working Distance	(mm)	8	12	16
Illumination (number of row)		1		
Illumination Active Area				
Active Length / Outer Diameter	(mm)	31.8		
Active Width / Inner Diameter	(mm)	14		
Emission angle	(deg.)	30		
Eye Safety Class ( IEC62471 )		EXEMPT		
Electrical Information				
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		
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)	324		
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

**DFR4-30-050-1-R-24V**

Uniform Graph ( Relative Irradiation Strength) - Representative pattern

WD	Tolerance	Diameter
12.5mm	10%	14mm
12.5mm	20%	23mm
12.5mm	30%	27mm

