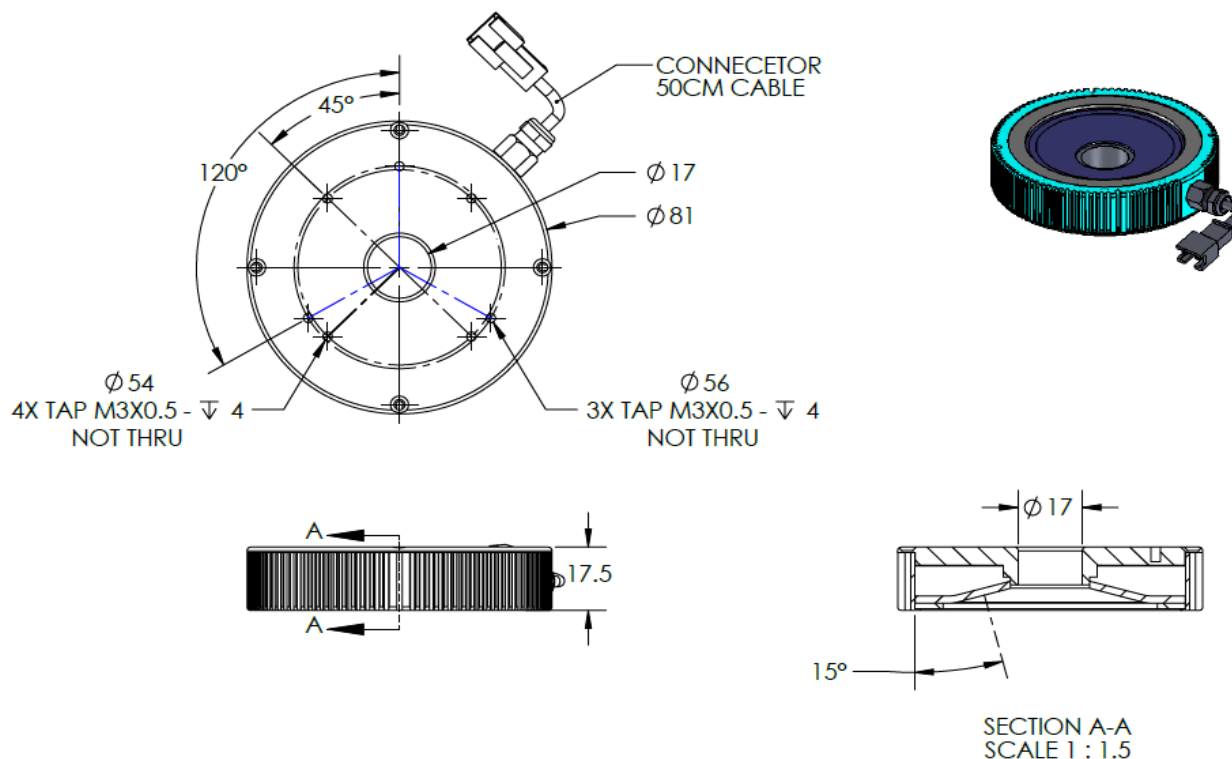




# ILLUMINATOR DATA (ID)

**DFR4-15-080-1-W-24V**


## Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	115 g
Length/ Outer Diameter	81 mm
Width/ Inner Diameter	17 mm
Thickness	17.5 mm



## DFR4-15-080-1-W-24V

Optical Information				
Part Number		DFR4-15-080-1-W-24V		
LED Color		WHITE		
Wavelength	(nm)	*Refer to the Chromaticity Table below		
Intensity (±15)	(Lux)	30672	14001	8477
Working Distance	(mm)	34	64	89
Illumination (number of row)		1		
Illumination Active Area				
Active Length / Outer Dia.	(mm)	71.8		
Active Width / Inner Dia.	(mm)	19		
Emission angle	(deg.)	15		
Eye Safety Class ( IEC62471 )		EXEMPT		
*CHROMATICITY TABLE				
X	0.3068	0.3028	0.3221	0.3205
Y	0.3113	0.3304	0.3262	0.3481
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 series, SD series, ST series & 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.		