ILLUMINATOR DATA-ID

DFR4-15-80-1-G-24V

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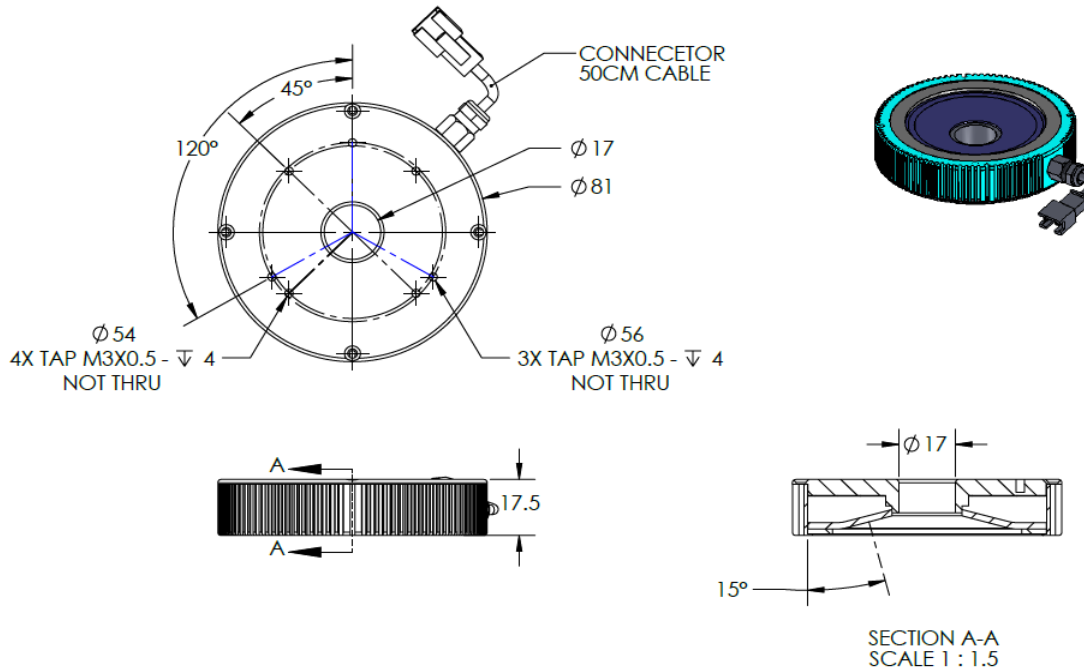
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	115 g
Length / Outer Diameter	81 mm
Width / Inner Diameter	17 mm
Thickness / Height	17.5 mm

DFR4-15-80-1-G-24V

Optical Information				
Part Number		DFR4-15-80-1-G-24V		
LED Color		GREEN		
Wavelength	(nm)	525		
Intensity (±15%)	(Lux)	TBA	TBA	TBA
Working Distance	(mm)	34	64	89
Illumination (number of row)		1		
Illumination Active Area				
Active Length / Outer Diameter	(mm)	71.8		
Active Width / Inner Diameter	(mm)	19		
Emission angle	(deg.)	15		
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)	588
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
Applicattion Use		Printed character on IC chips, PCB component, printing on caps, and wafer OCR inspection.

DFR4-15-80-1-G-24V

Uniform Graph (Relaive Irradiation Strength) - Representative pattern

WD	Tolerance	Diameter
64mm	10%	26mm
64mm	20%	39mm
64mm	30%	52mm

3488.142
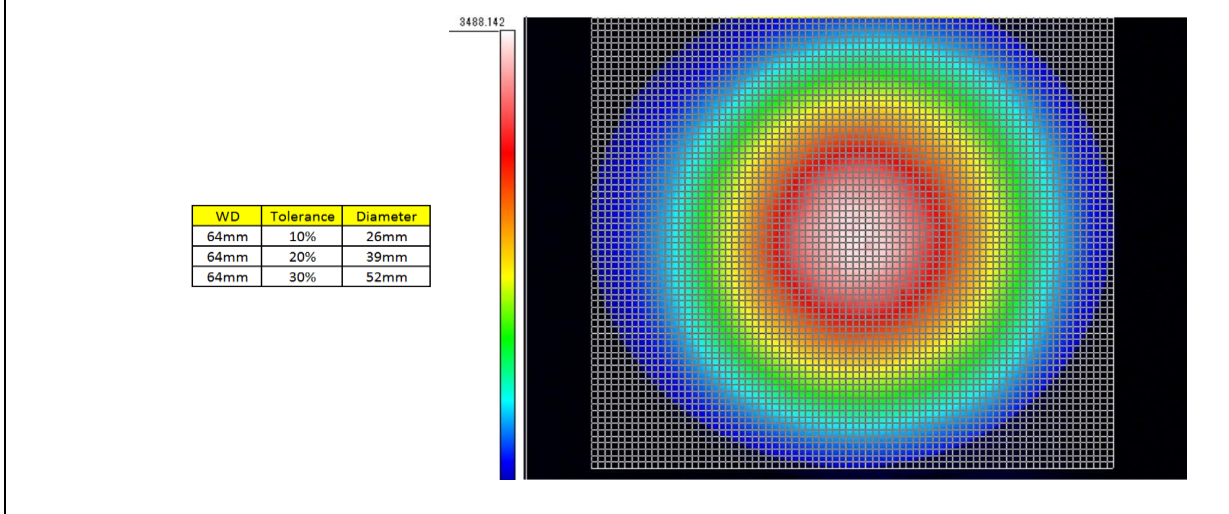
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