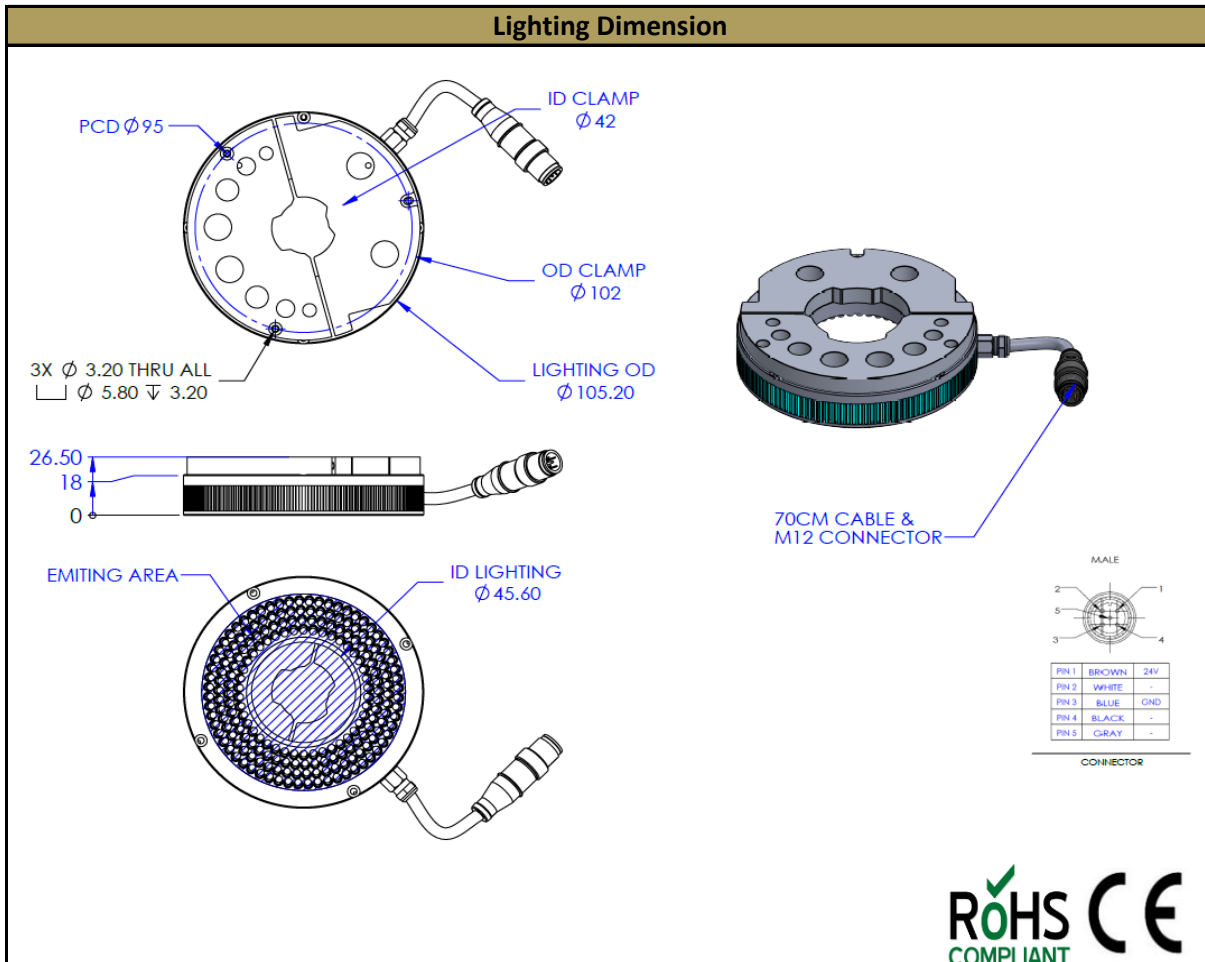




ILLUMINATOR DATA (ID)


CTL40-M15100-W-24V-DPE

Lighting Dimension



MALE		
PIN 1	BROWN	24V
PIN 2	WHITE	-
PIN 3	BLUE	GND
PIN 4	BLACK	-
PIN 5	GRAY	-

CONNECTOR



Mechanical Information

Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	406 g
Length / Outer Diameter	105.2 mm
Width / Inner Diameter	45.6 mm
Thickness / Height	26.5 mm



ILLUMINATOR DATA (ID)

CTL40-M15100-W-24V-DPE

Lighting Information										
Part Number	CTL40-M15100-W-24V-DPE									
LED Color	WHITE									
Wavelength	*Refer Chromaticity Table below									
Working Distance	90 mm	120 mm	150 mm							
Intensity (±15%)	36900 lux	29800 lux	22600 lux							
Illumination (number of row)	4									
Illumination Active Area	Active Length / Outer Dia.	89.2 mm								
	Active Width / Inner Dia.	50 mm								
Emission angle	15°									
Eye Safety Class (IEC62471)	EXEMPT									
Chromaticity Table For White colour only	X	0.296	0.287	0.307	0.311	X	0.311	0.307	0.33	0.33
	Y	0.276	0.295	0.315	0.294	Y	0.294	0.315	0.339	0.318

Electrical Information	
Rated Constant Voltage	24 V ±2%
Rated Constant Current	264 mA
Power Consumption	6.336 W
Casing temperature, After 60 minutes operation	54.8°C

Strobe Mode Specification	
*Normal Strobe Voltage	24 V
*Normal Strobe Current	408 mA
Overdrive Voltage Range	Min: 36 V Max: 48 V
Overdrive Current Range	Min: 1129 mA Max: 1858 mA
Recommended Overdrive Voltage	36 V
**Max. Trigger Pulse Duration	10 msec
**Max. Duty Cycle	10%


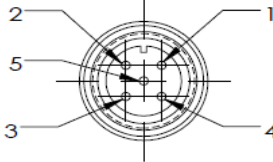
***Normal strobe means the lighting is operated using the rated power. Overdrive means the power supplied to the lighting exceeded the rated power.**

****Overdrive condition must not exceed the max. trigger pulse duration and max. duty cycle.**




ILLUMINATOR DATA (ID)

CTL40-M15100-W-24V-DPE

Connection Information			
Connector Type (Default)	M12 5 PIN CONNECTOR (MALE)		
Cable Length	70 cm		
Pin Configuration 	Pin	Signal	Cable Colour
	1	24 V	BROWN
	2	-	WHITE
	3	GND	BLUE
	4	-	BLACK
	5	-	GRAY
			

Additional Information	
Additional Cooling Method	Attached to machine part for better heat dissipation
Intensity Controller Selection	LC-18-4CH-A1, LC-18-KP1, SDA, SD, ST, ANG, SDP Series
CE Conformity	YES
RoHS Compliance	YES

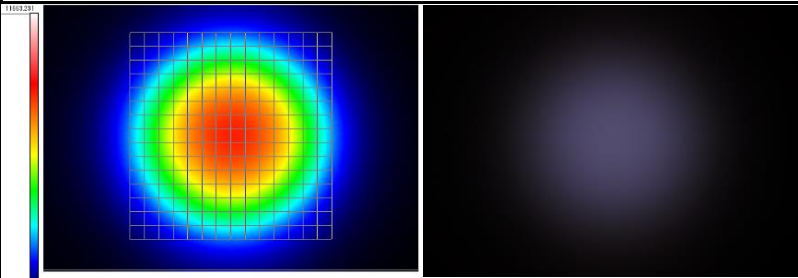
Extension Cable	
Connector Type (default)	M12 5 PIN CONNECTOR (FEMALE)
Part Number	EXT-FL-M12F-3M-24V
Cable Length (out from female connector)	3000 mm
Extension Cable (connect to M12 5 Pin Male Connector from lighting)	

Application	
Illumination Type	Direct Ring Light
Application Use	Substrate Inspection, Label Inspection, Flat Surface Inspection, Fiducial Recognition



ILLUMINATOR DATA (ID)

CTL40-M15100-W-24V-DPE

Lighting Pattern				
Working Distance	120 mm			
Display and Image				
Data Results	Horizontal	Meas.(mm)	Vertical	Meas.(mm)
	90%	49	90%	51
	80%	66	80%	72
	70%	82	70%	87
	60%	97	60%	101
	50%	111	50%	114
	40%	124	40%	129
	30%	139	30%	146
	20%	156	20%	164
	10%	185	10%	198
Max.	Meas.(cd/m2)		8358.002	