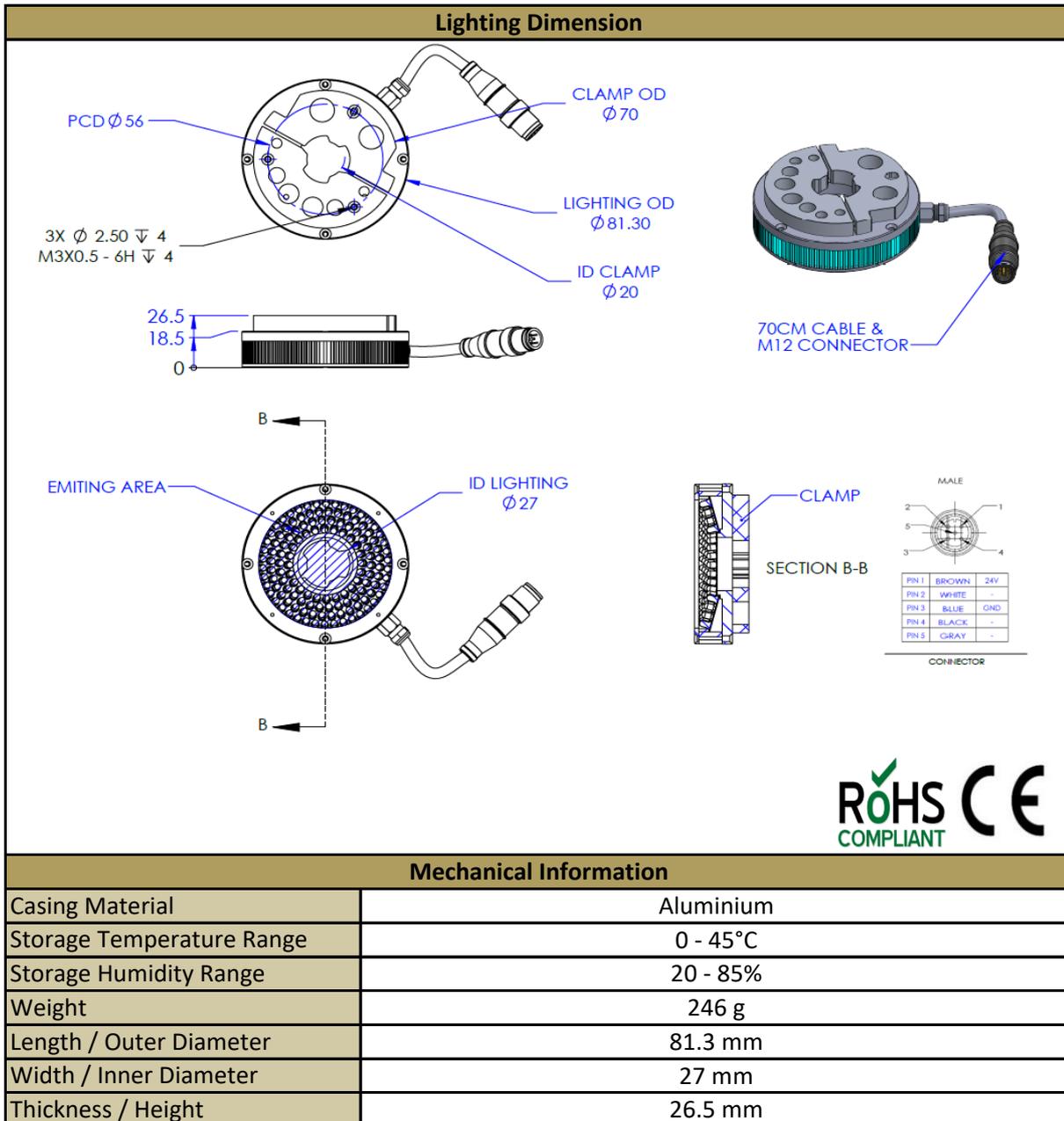




# ILLUMINATOR DATA (ID)

## CTL18-M15080-W-24V-DPE





# ILLUMINATOR DATA (ID)

## CTL18-M15080-W-24V-DPE

Lighting Information																							
Part Number	CTL18-M15080-W-24V-DPE																						
LED Color	WHITE																						
Wavelength	*Refer Chromaticity Table below																						
Working Distance	63 mm	83 mm	105 mm																				
Intensity (±15%)	16980 lux	11880 lux	8860 lux																				
Illumination (number of row)	4																						
Illumination Active Area	Active Length / Outer Dia.	65 mm																					
	Active Width / Inner Dia.	31.4 mm																					
Emission angle	15°																						
Eye Safety Class ( IEC62471 )	EXEMPT																						
Chromaticity Table For White colour only	<table border="1"> <tr> <td>X</td> <td>0.296</td> <td>0.287</td> <td>0.307</td> <td>0.311</td> </tr> <tr> <td>Y</td> <td>0.276</td> <td>0.295</td> <td>0.315</td> <td>0.294</td> </tr> </table>	X	0.296	0.287	0.307	0.311	Y	0.276	0.295	0.315	0.294	<table border="1"> <tr> <td>X</td> <td>0.311</td> <td>0.307</td> <td>0.33</td> <td>0.33</td> </tr> <tr> <td>Y</td> <td>0.294</td> <td>0.315</td> <td>0.339</td> <td>0.318</td> </tr> </table>	X	0.311	0.307	0.33	0.33	Y	0.294	0.315	0.339	0.318	
X	0.296	0.287	0.307	0.311																			
Y	0.276	0.295	0.315	0.294																			
X	0.311	0.307	0.33	0.33																			
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	52.4°C

Strobe Mode Specification	
*Normal Strobe Voltage	24 V
*Normal Strobe Current	264 mA
Overdrive Voltage Range	Min: 36 V      Max: 48 V
Overdrive Current Range	Min: 731 mA      Max: 1202 mA
Recommended Overdrive Voltage	36 V
**Max. Trigger Pulse Duration	10 msec
**Max. Duty Cycle	10%

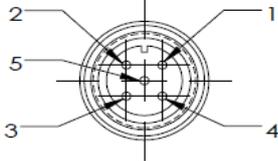
\*Normal strobe means the lighting is operated using the rated power. Overdrive means the power supplied to the lighting exceeded the rated power.

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



# ILLUMINATOR DATA (ID)

## CTL18-M15080-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

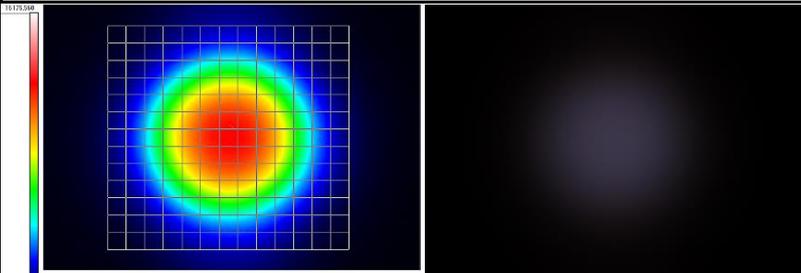
Extension Cable	
Connector Type (default)	M12 5 PIN CONNECTOR (FEMALE)
Part Number	EXT-FL-M12F-3M-24V
Cable Length (out from female connector)	3000 mm
Extension Cable (connect to M12 5 Pin Male Connector from lighting)	

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



# ILLUMINATOR DATA (ID)

## CTL18-M15080-W-24V-DPE

Lighting Pattern				
Working Distance	83 mm			
Display and Image				
Data Results	Horizontal	Meas.(mm)	Vertical	Meas.(mm)
	90%	30	90%	32
	80%	45	80%	46
	70%	54	70%	56
	60%	63	60%	66
	50%	72	50%	75
	40%	80	40%	83
	30%	89	30%	93
	20%	101	20%	106
	10%	118	10%	131
Max.	Meas.(cd/m2)		12337.438	