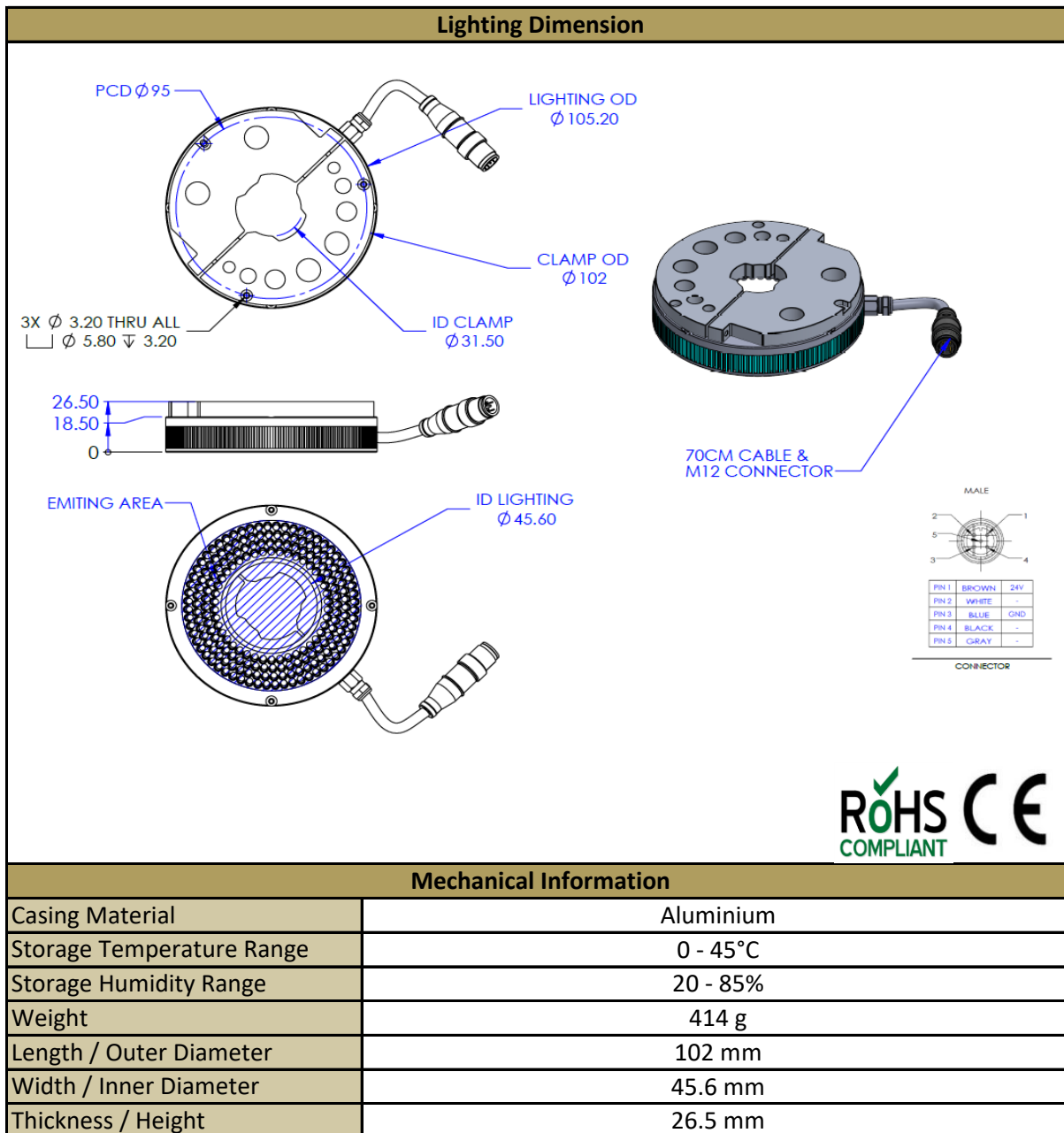




ILLUMINATOR DATA (ID)

CTL29.5-M15100-W-24V-DPE



ILLUMINATOR DATA (ID)

CTL29.5-M15100-W-24V-DPE

Lighting Information																										
Part Number	CTL29.5-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	<table><tr><td>X</td><td>0.296</td><td>0.287</td><td>0.307</td><td>0.311</td><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>0.276</td><td>0.295</td><td>0.315</td><td>0.294</td><td>Y</td><td>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td></tr></table>						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
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																	
For White colour only																										

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


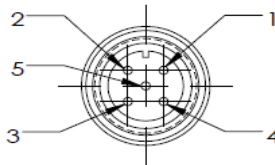
Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	408 mA	
Overdrive Voltage Range	Min: 36 V	Max: 48 V
Overdrive Current Range	Min: 1129 mA	Max: 1858 mA
Recommended Overdrive Voltage	36 V	
**Max. Trigger Pulse Duration	10 msec	
**Max. Duty Cycle	10%	

*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)

CTL29.5-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

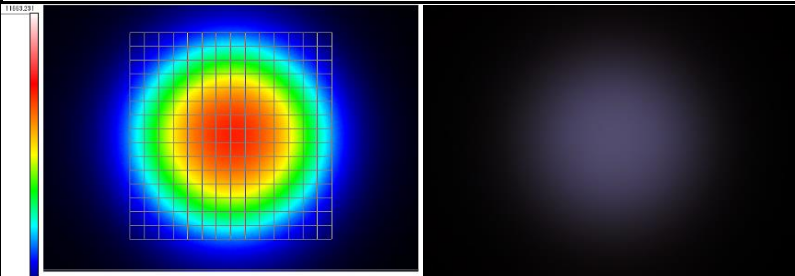
Extension Cable	
Connector Type (default)	M12 5 PIN CONNECTOR (FEMALE)
Part Number	EXT-FL-M12F-3M-24V
Cable Length (out from female connector)	3000
Extension Cable (connect to M12 5 Pin Male Connector from lighting)	

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



ILLUMINATOR DATA (ID)

CTL29.5-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		