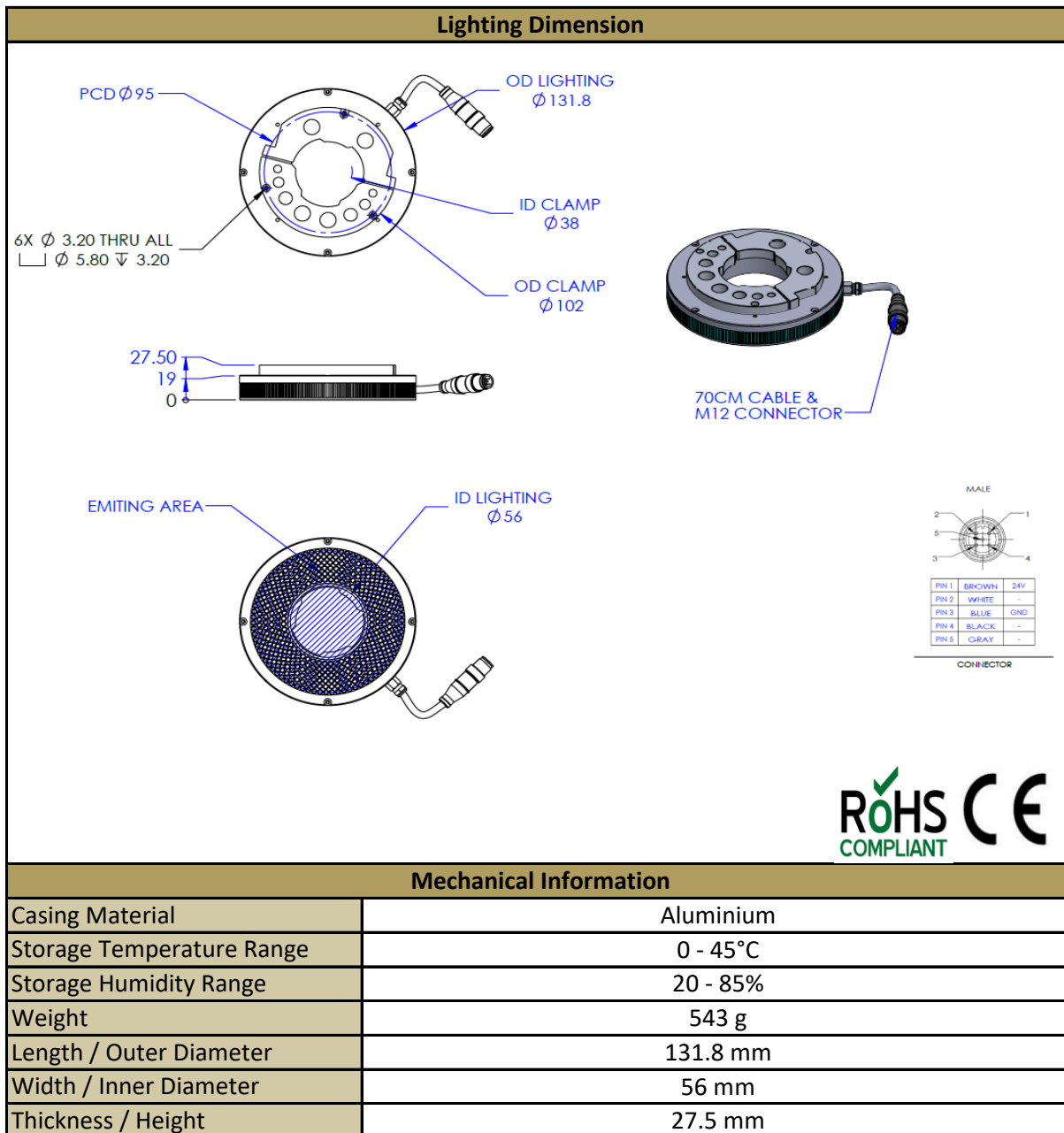




# ILLUMINATOR DATA (ID)

## CTL36-M00130-W-24V-DPE



## ILLUMINATOR DATA (ID)

### CTL36-M00130-W-24V-DPE

Lighting Information																										
Part Number	CTL36-M00130-W-24V-DPE																									
LED Color	WHITE																									
Wavelength	*Refer Chromaticity Table below																									
Working Distance	126 mm	163 mm		200 mm																						
Intensity (±15%)	57600 lux	45000 lux		32900 lux																						
Illumination (number of row)	6																									
Illumination Active Area	Active Length / Outer Dia.			115.5 mm																						
	Active Width / Inner Dia.			59.6 mm																						
Emission angle	0°																									
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	756 mA
Power Consumption	18.14 W
Casing temperature, After 60 minutes operation	54.8°C


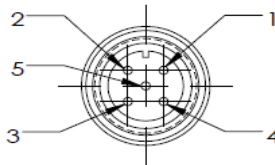
Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	756 mA	
Overdrive Voltage Range	Min: 36 V	Max: 48 V
Overdrive Current Range	Min: 2093 mA	Max: 3433 mA
Recommended Overdrive Voltage	36 V	
**Max. Trigger Pulse Duration	10 msec	
**Max. Duty Cycle	10%	

\*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)

### CTL36-M00130-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

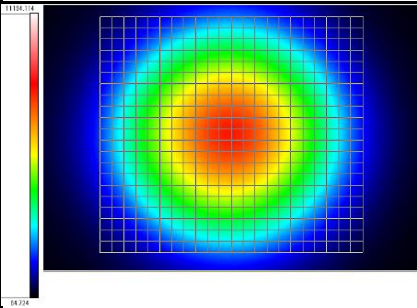
Extension Cable	
Connector Type (default)	M12 5 PIN CONNECTOR (FEMALE)
Part Number	EXT-FL-M12F-3M-24V
Cable Length (out from female connector)	3000 mm
Extension Cable (connect to M12 5 Pin Male Connector from lighting)	

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



## ILLUMINATOR DATA (ID)

### CTL36-M00130-W-24V-DPE

Lighting Pattern				
Working Distance	163 mm			
Display and Image				
Data Results	Horizontal	Meas.(mm)	Vertical	Meas.(mm)
	90%	51	90%	51
	80%	75	80%	76
	70%	99	70%	100
	60%	122	60%	125
	50%	146	50%	148
	40%	171	40%	175
	30%	195	30%	200
	20%	222	20%	229
	10%	263	10%	237
	Max.	Meas.(cd/m2)		
		8184.866		