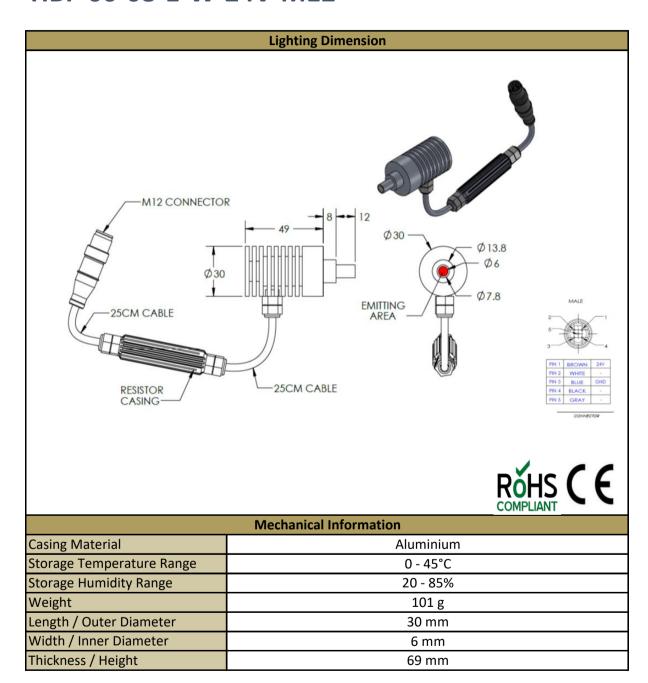


ILLUMINATION FOR MACHINE VISION (1277234-U)



ILLUMINATOR DATA (ID)











ILLUMINATION FOR MACHINE VISION (1277234-U)



ILLUMINATOR DATA (ID)

Lighting Information						
Part Number	HBF-00-08-1-W-24V-M12					
LED Color	WHITE					
Wavelength	*Refer Chromaticity Table below					
Working Distance	40 mm 50 mm 60 mm					
Intensity (±15%)	61600 lux 35900 lux 2280		2800 lu	800 lux		
Illumination (number of row)	1					
Illumination Active Area	Active Length / Oute		6 mm			
mummation Active Area	Active Width / Inner	Dia.		-		
Emission angle	0°					
Eye Safety Class (IEC62471)	EXEMPT					
Chromaticity Table	X 0.296 0.287	0.307 0.311	X 0.	311 0.307	0.33	0.33
For White colour only	Y 0.276 0.295	0.315 0.294	Υ 0.	294 0.315	0.339	0.318

Electrical Information		
Rated Constant Voltage	24 V ±2%	
Rated Constant Current	100 mA	
Power Consumption	2.4 W	
Casing temperature,	55.1 °C	
After 60 minutes operation	33.1 C	

Strobe Mode Specification			
*Normal Strobe Voltage	24V		
*Normal Strobe Current	100		
Overdrive Voltage Range	Min: 26 V	Max: 28 V	
Overdrive Current Range	Min: 540 mA	Max: 988 mA	
Recommended Overdrive	26 V		
Voltage			
**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.





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Connection Information				
Connector Type (Default)	M12 5 PIN CONNECTOR (MALE)			
Cable Length	50 cm			
Pin Configuration	Pin Signal Cable Coloui			
	1	24 V	BROWN	
	2	-	WHITE	
	3	GND	BLUE	
	4	-	BLACK	
	5	-	GRAY	
	3			

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	
IApplication Use	Substrate Inspection, Label Inspection, Flat Surface Inspection,	
	Fiducial Recognition	











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ILLUMINATOR DATA (ID)

