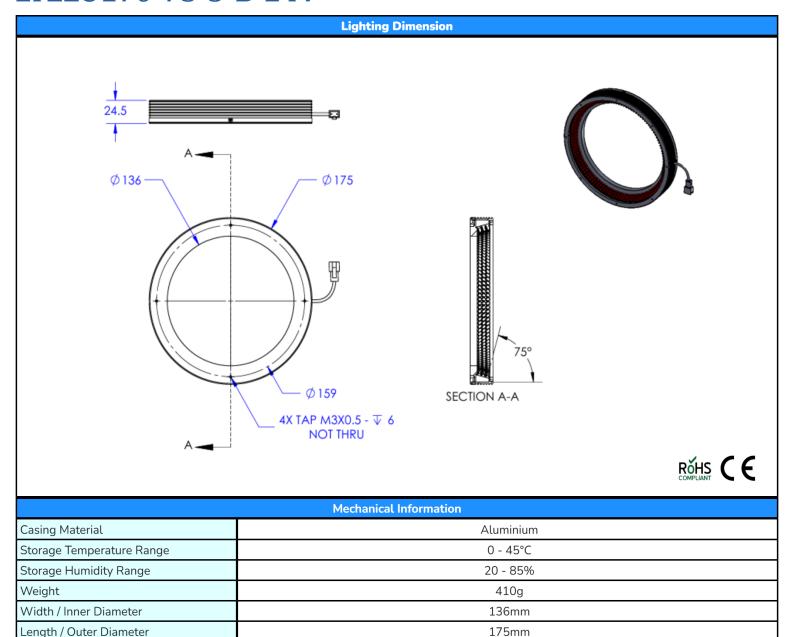


Height / Thickness

ILLUMINATOR DATA

24.5mm





ILLUMINATOR DATA

Lighting Information					
LED Color	BLUE				
Wavelength	Spectrum 1.0 0.8 0.5 0.9 0.9 0.9 0.9 0.9 0.9 0.9				
Working Distance	6mm		11mm	16mm	
Intensity (±15%)	10320lx		12790lx	16710lx	
Illumination (Number of Row)			3		
Illumination Active Area	Active Outer Diameter		160		
Illumination Active Area	Active Inner Diameter		136		
Emission Angle	75°				
Eye Safety Class (IEC62471)	EXEMPT Products with sources, which do not pose any potential photobiological hazard even for the continuous and unrestricted exposure. Example: 8 hours of exposure poses no acute hazard to either eye or skin, and 10,000 seconds (2.8 hours) of the intent starting causes no blue light retinal hazard.				
Chromaticity Table For White Colour Only	Color Rank Rank W x 0.11 0.11 0.15 0.15 y 0.04 0.10 0.10 0.04 * Ranking at T _A =25°C. * Tolerance of measurements of the Forward Voltage is ±3%. * Tolerance of measurements of the Luminous Intensity is ±10%. * Tolerance of measurements of the Chromaticity Coordinate is ±0.01. * A shipment shall consist of LEDs in a combination of the above ranks. The percentage of each rank in the shipment shall be determined by Nichia.				

Electrical Information			
Rated Voltage	24V _(Min) - 24V _(Max)		
Rated Current	735mA		
Power Consumption	17.640W		
Casing Temperature, After 60 minutes operation	60°C		
After 60 minutes operation	60 C		

Strobe Mode Specification				
*Normal Strobe Voltage	24V			
*Normal Strobe Current	735mA			
Overdrive Voltage Range	Min: 36V	Max: 48V		
Overdrive Current Range	Min: 2912mA	Max: 5090mA		
Recommended Overdrive Voltage	36V			
**Max. Trigger Pulse Duration	10%			
**Max. Duty Cycle	10msec			

^{*}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		JST SMR-03V-B				
Cable Length			500mm			
	Pin	Signal	Cable Color			
	1	24V	RED			
	2	-	-			
	3	GND	WHITE / BLACK			
Pin Configuration			3 1 PIN 1 24V PIN 2 - PIN 3 GND			

Additional Information			
Additional Cooling Method	Attached to machine part for better heat dissipation		
Intensity Controller Selection	LTIC series		
CE Conformity	YES		
RoHS Compliance	YES		

Application					
Illumination Type	Direct, Low Angle, Ring Illumination				
Application Use	Edge Detection Scratch on Metal or Glossy Surface				



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Lighting Pattern				
Working Distance	For further details, please contact us			
Display and Image	For further details, please contact us			
	Horizontal	Meas. (mm)	Vertical	Meas. (mm)
	90%	N.A.	90%	N.A.
Data Results	90%	N.A.	90%	N.A.
	80%	N.A.	80%	N.A.
	70%	N.A.	70%	N.A.
	60%	N.A.	60%	N.A.
	50%	N.A.	50%	N.A.
	40%	N.A.	40%	N.A.
	30%	N.A.	30%	N.A.
	20%	N.A.	20%	N.A.
	10%	N.A.	10%	N.A.