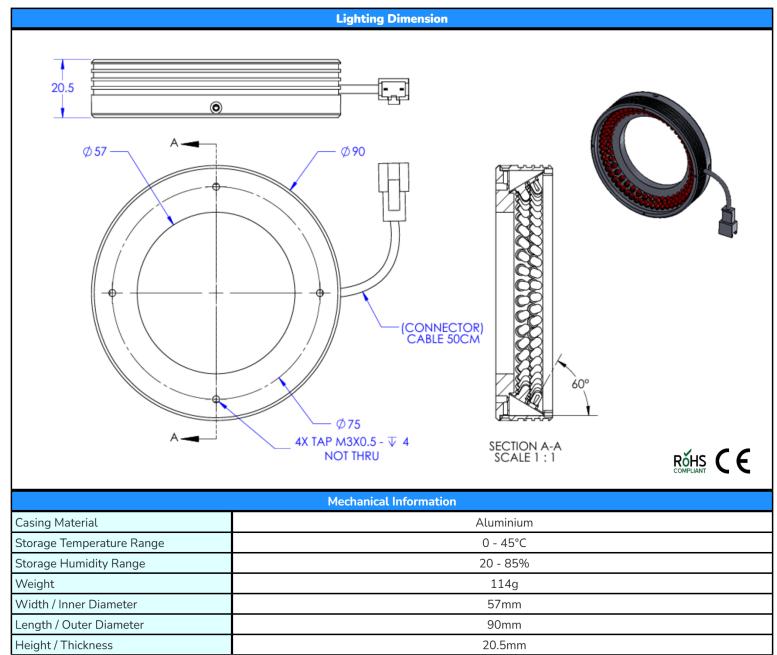


LTZZ0090-60-2-B-24V





LTZZ0090-60-2-B-24V

Lighting Information							
LED Color	BLUE						
Wavelength	BECC Sectors (*25%)						
Working Distance	15mm			20mm			25mm
Intensity (±15%)	168200lx			185700l:	×		170700lx
Illumination (Number of Row)	2						
Illumination Active Area	Active Outer Diameter 83						
Ittumination Active Area	Active Inner Diameter 57						
Emission Angle	60°						
	EXEMPT						
Eye Safety Class (IEC62471)	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.						
	Color Rank						
	Rank W x 0.11 0.15 0.15						
Chromaticity Table For White Colour Only	y	0.04		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	240mA		
Power Consumption	5.760W		
Casing Temperature,	60°C		
After 60 minutes operation			

Strobe Mode Specification				
*Normal Strobe Voltage	24V			
*Normal Strobe Current	240mA			
Overdrive Voltage Range	Min: 36V	Max: 48V		
Overdrive Current Range	Min: 950mA	Max: 1662mA		
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.



LTZZ0090-60-2-B-24V

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			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 					



LTZZ0090-60-2-B-24V

Lighting Pattern					
Working Distance	For further details, please contact us				
Display and Image	For further details, please contact us				
Data Results	Horizontal	Meas. (mm)	Vertical	Meas. (mm)	
	90%	N.A.	90%	N.A.	
	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.	