





Lighting Information				
LED Color	BLUE			
Wavelength	Spectrum 10 10 10 10 10 10 10 10 10 1			
Working Distance	10mm	20mm	30mm	
Intensity (±15%)	172000lx	199200lx	139600lx	
Illumination (Number of Row)	2			
Illumination Active Area	Active Outer Diameter 66.5			
Itturnination Active Area	Active Inner Diameter 41			
Emission Angle	. 60°			
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			
Chromaticity Table For White Colour Only	hazard. 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	195mA		
Power Consumption	4.680W		
Casing Temperature, After 60 minutes operation	60°C		
After 60 minutes operation	60 C		

Strobe Mode Specification				
*Normal Strobe Voltage	24V			
*Normal Strobe Current	195mA			
Overdrive Voltage Range	Min: 36V	Max: 48V		
Overdrive Current Range	Min: 772mA	Max: 1350mA		
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.



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 	CAMERA LINS THE MCDI CORCT	



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.	