





Lighting Information				
LED Color	BLUE			
Wavelength	第念スペラル Spectrum 1.0 0.8 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0			
Working Distance	10mm	16mm	21mm	
Intensity (±15%)	22100lx	13700lx	3720lx	
Illumination (Number of Row)	1			
Illumination Active Area	Active Outer Diameter 51			
Itturnination Active Area	Active Inner Diameter 50			
Emission Angle		90°		
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	105mA	
Power Consumption	2.520W	
Casing Temperature, After 60 minutes operation	60°C	
After 60 minutes operation		

Strobe Mode Specification			
*Normal Strobe Voltage	24V		
*Normal Strobe Current	105mA		
Overdrive Voltage Range	Min: 36V Max: 48V		
Overdrive Current Range	Min: 486mA	Max: 868mA	
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 LENS THIS MODEL		



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.