



Mechanical Information				
Casing Material	Aluminium			
Storage Temperature Range	0 - 45°C			
Storage Humidity Range	20 - 85%			
Weight	200g			
Width / Inner Diameter	40mm			
Length / Outer Diameter	92mm			
Height / Thickness	20mm			



Lighting Information							
LED Color	BLUE						
Wavelength	\$8.50.400.4. Spectrum  1.0  (90.00)  1.0  (1.2-39°C)  (1.2-39°C)						
Working Distance	108mm			113mm			118mm
Intensity (±15%)	39900lx			37800l×	(		36200lx
Illumination (Number of Row)				4			
Illianoi antian Antian Anna	Active Outer Diameter 84						
Illumination Active Area	Active Inner Diameter	Active Inner Diameter 42.2					
Emission Angle				0°			
	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 the either eye or skin, and 10,000 seconds (2.8 hours) of the intent starting causes no blue light retinated hazard.					e poses no acute hazard to	
	Color Rank						
	x	0.11		k W 0.15	0.15		
	у	0.04		0.10	0.04		
Chromaticity Table	* Ranking at T <sub>A</sub> =25°C.						
For White Colour Only	* Tolerance of measurements of the Lyminous Intensity is ±10%						
	* 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 <sub>(Min)</sub> - 24V <sub>(Max)</sub>			
Rated Current	345mA		
Power Consumption	8.280W		
Casing Temperature,	60°C		
After 60 minutes operation	30 C		

Strobe Mode Specification					
*Normal Strobe Voltage	24V				
*Normal Strobe Current	345mA				
Overdrive Voltage Range	Min: 36V Max: 48V				
Overdrive Current Range	Min: 1367mA Max: 2389mA				
Recommended Overdrive Voltage	36V				
**Max. Trigger Pulse Duration	10%				
**Max. Duty Cycle	10msec				

<sup>\*</sup>Normal strobe means the lighting is operated using the rated power. Overdrive means the power supplied to the lighting exceeded the rated power.

<sup>\*\*</sup>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 Application					
Illumination Type	High Intensity, Concentrated Ring Illumination				
Application Use	<ul><li>Substrate Inspection</li><li>Fiducial Recognition</li><li>Flat Surface</li><li>Label Inspection</li></ul>	CAMEA IDG			



		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.	
	90%	N.A.	90%	N.A.	
	80%	N.A.	80%	N.A.	
	70%	N.A.	70%	N.A.	
Data Results	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.	