



Mechanical Information			
Casing Material	Aluminium		
Storage Temperature Range	0 - 45°C		
Storage Humidity Range	20 - 85%		
Weight	40g		
Width / Inner Diameter	15mm		
Length / Outer Diameter	43mm		
Height / Thickness	20mm		



Lighting Information				
LED Color	BLUE			
Wavelength	### ### ### ### ### ### ### ### ### ##			
Working Distance	65mm	70mm	75mm	
Intensity (±15%)	19500lx	18000lx	16800lx	
Illumination (Number of Row)		2		
Illumination Active Area	Active Outer Diameter 36			
Itturnination Active Area	Active Inner Diameter			
Emission Angle		0°		
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	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	75mA		
Power Consumption	1.800W		
Casing Temperature, After 60 minutes operation	60°C		
After 60 minutes operation	00 C		

	Strobe Mode Specification		
*Normal Strobe Voltage	24V		
*Normal Strobe Current	75mA		
Overdrive Voltage Range	Min: 36V	Max: 48V	
Overdrive Current Range	Min: 297mA Max: 519mA		
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	High Intensity, Concentrated Ring Illumination		
Application Use	Substrate InspectionFiducial RecognitionFlat SurfaceLabel Inspection	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.