





Lighting Information				
LED Color	BLUE			
Wavelength	Spectrum 10 10 10 10 10 10 10 10 10 1			
Working Distance	110mm	120mm	130mm	1
Intensity (±15%)	99600lx	85800lx	73320เ	×
Illumination (Number of Row)		4		
Illumination Active Area	Active Outer Diameter 85			
Ittumination Active Area	Active Inner Diameter 49.4			
Emission Angle		15°		
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	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	420mA		
Power Consumption	10.080W		
Casing Temperature, After 60 minutes operation	60°C		

Strobe Mode Specification			
*Normal Strobe Voltage	24V		
*Normal Strobe Current	420mA		
Overdrive Voltage Range	Min: 36V	Max: 48V	
Overdrive Current Range	Min: 1664mA	Max: 2908mA	
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	formity 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.
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.