





Lighting Information							
LED Color	BLUE						
Wavelength	\$8.8.479.6. Spectrum 1.0 0.8 0.9 0.9 0.0 0.9 0.0 0.0 0.0 0.0 0.0 0.0						
Working Distance	32mm			37mm		42mm	
Intensity (±15%)	209760lx			188880l	X	161400lx	
Illumination (Number of Row)	3						
Illiansia ation Aution Aug	Active Outer Diameter 63						
Illumination Active Area	Active Inner Diameter 34.7						
Emission Angle	30°						
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.						
	Color Rank W x 0.11 0.11 0.15 0.15						
Chromaticity Table For White Colour Only	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	225mA		
Power Consumption	5.400W		
Casing Temperature,	60°C		
After 60 minutes operation	60 C		

Strobe Mode Specification					
*Normal Strobe Voltage	24V				
*Normal Strobe Current	225mA				
Overdrive Voltage Range	Min: 36V	Max: 48V			
Overdrive Current Range	Min: 891mA	Max: 1558mA			
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	CAMERA LING BEG SACCEL OBJECT		



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.	