



Mechanical Information			
Casing Material	Aluminium		
Storage Temperature Range	0 - 45°C		
Storage Humidity Range	20 - 85%		
Weight	520 g		
Length / Outer Diameter	232 mm		
Width / Inner Diameter	50 mm		
Thickness / Height	112.8 mm		



Lighting Information												
Part Number					L	T5WRG200	-00-1-RGBW	'-24V				
LED Color		RED			GREEN			BLUE			WHITE	
Wavelength		630 nm			525 nm			470 nm	ļ	refer to	chromatici	ty table
Working Distance	50 mm	60 mm	80 mm	50 mm	60 mm	80 mm	50 mm	60 mm	80 mm	50 mm	60 mm	80 mm
Intensity (±15%)	2210 lx	2000 lx	1620 lx	5900 lx	5330 lx	4330 lx	6170 lx	5580 lx	4570 lx	4950 lx	4480 lx	3640 lx
Illumination (number of row)		1										
Illumination Active Area	Active Length / Outer Dia.			193 mm								
munimation Active Area	Active Wid	th / Inner D	ia.					50 mm				
Emission angle							0					
Eye Safety Class ( IEC62471 )	EXEMPT			EXEMPT		II		EXEMPT				
Chromaticity Table				X 0.296	0.287 0.307		X 0.311	0.307 0.33	0.33			
For White colour only		Y 0.276 0.295 0.315 0.294 Y 0.294 0.315 0.339 0.318										

		Electrical Information				
Rated Constant Voltage		24V±2%				
Rated Constant Current	270 mA	270 mA	270 mA	270 mA		
Power Consumption	6.48 W	6.48 W	6.48 W	6.48 W		
Casing temperature,		43	2.3 °C			
After 60 minutes operation		42.5 U				
Max. continous current of RED,	*It is not recommended to turn on R	ted, Green and Blue colour at the	same time. Refer to Maximum Simu	Itaneous Current Output section in		
GREEN & BLUE LEDs on at the	the last page for maximum current that can be supplied for each colour. Failure in following this may results in damaging the lighting.					
same time						

			Strobe Mod	de Specification				
**Normal Strobe Voltage		24 V						
**Normal Strobe Current	270	270 mA 270 mA 270 mA 270 mA				) mA		
Overdrive Voltage Range	Min: 36 V	Max: 48 V	Min: 36 V	Max: 48 V	Min: 36 V	Max: 48 V	Min: 36 V	Max: 48 V
Overdrive Current Range	Min: 0.42 A	Max: 0.69 A	Min: 0.49 A	Max: 0.82 A	Min: 0.54 A	Max: 0.90 A	Min: 0.74 A	Max: 1.23 A
Max. pulse current of RED,	*It is not recomm	It is not recommended to turn on Red, Green and Blue colour at the same time. Refer to Maximum Simultaneous Current Output section in			Output section in			
GREEN & BLUE LEDs on at the	the last page	the last page for maximum current that can be supplied for each colour. Failure in following this may results in damaging the lighting.			the lighting.			
same time								
Recommended Overdrive					36V			
Voltage					300			
***Max. Trigger Pulse Duration		10 msec						
***Max. Duty Cycle		•	•		10%			·

<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. Failure in following this may results in damaging the lighting.



	Co	nnection Information				
Connector Type (Default)	JST SMR-03V					
Cable Length	50 cm					
Pin Configuration	Pin	Signal	Cable Colour			
	1	LED +	Red			
	2	N.C	-			
	3	LED -	White			
		3				

Additional Information			
Attached to machine part for better heat dissipation			
Intensity Controller Selection	SD, ST, ANG, LC, SDA, SDP series		
CE Conformity	YES		
RoHS Compliance	YES		

Application Application				
Illumination Type	Indirect Dome Illumination			
Application Use	Cracks, Chips, Stains & Marks on Circular or Cylindrical Object Inspection, Solder and Substrate Inspection			



		Maximum Simulteneous Current Output Information
Colour	Current Limit (A)	Remarks
SINGLE COLOUR : RED	0.27 A	TOTAL CURRENT OUTPUT : 0.27 A  RECOMMENDED OVERDRIVE CURRENT : 0.74 A (36 V)  ** OPTIMUM FOR SINGLE COLOUR
SINGLE COLOUR : GREEN	0.27 A	TOTAL CURRENT OUTPUT : 0.27 A  RECOMMENDED OVERDRIVE CURRENT : 0.74 A (36 V)  ** OPTIMUM FOR SINGLE COLOUR
SINGLE COLOUR : BLUE	0.27 A	TOTAL CURRENT OUTPUT : 0.27 A  RECOMMENDED OVERDRIVE CURRENT : 0.74 A (36 V)  ** OPTIMUM FOR SINGLE COLOUR
COMBINE 2 COLOUR: RED & BLUE	0.27 A	TOTAL CURRENT OUTPUT : 0.27 A  *****(EXAMPLE : RED = 0.14 A, BLUE = 0.14 A)  ****(OVERDRIVE STROBE MODE EXAMPLE : RED = 0.37 A, BLUE = 0.37 A)  FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C  ENSURE CURRENT MUST NOT EXCEED 0.5 A
COMBINE 2 COLOUR: RED & GREEN	0.27 A	TOTAL CURRENT OUTPUT : 0.27 A  *****(EXAMPLE : RED = 0.14 A , GREEN = 0.14 A)  *****(OVERDRIVE STROBE MODE EXAMPLE : RED = 0.37 A , GREEN = 0.37 A)  FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C  ENSURE CURRENT MUST NOT EXCEED 0.5 A
COMBINE 2 COLOUR: GREEN & BLUE	0.27 A	TOTAL CURRENT OUTPUT : 0.27 A  *****(EXAMPLE : GREEN = 0.14 A, BLUE = 0.14 A)  *****(OVERDRIVE STORGE MODE EXAMPLE : GREEN = 0.37 A, BLUE = 0.37 A)  FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C  ENSURE CURRENT MUST NOT EXCEED 0.5 A
COMBINE COLOUR: RED, GREEN & BLUE	0.27 A	TOTAL CURRENT OUTPUT: 0.27 A  ****(EXAMPLE: RED = 0.08 A, GREEN = 0.08 A, BLUE = 0.08 A)  ****(OVERDRIVE STROBE MODE EXAMPLE: RED = 0.25 A, GREEN = 0.25 A, BLUE = 0.25 A)  FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C  ENSURE CURRENT MUST NOT EXCEED 0.5 A



	Lighting Pattern		
Working Distance	For further detail	ils please contact us.	
Display and Image			
Data Results	Horizontal Meas.(mm)  90% 80% 70% 60% 50% 40% 30% 20% 10%	Vertical 90% 80% 70% 60% 50% 40% 30% 20%	Meas.(mm)