



Lighting Information												
Part Number	LRTN210RGBW											
LED Color	RED			GREEN				BLUE			WHITE	
Wavelength	630			525			470		R	REFER CHROMACITY TABLE		
Working Distance	45mm	55mm	65mm	45mm	55mm	65mm	45mm	ı 55mm	65mm	45mm	55mm	65mm
Intensity (±15%)	FOR FURTHER INFORMATION PLEASE CONTACT US											
Illumination (number of row)	1											
Illumination Active Area	Active Length / Outer Dia.					195.6mm						
Inumination Active Area	Active Width / Inner Dia.					119.5mm						
Emission angle	0											
Eye Safety Class (IEC62471)	EXEMPT			EXEMP	ſ		II			EXEMPT		
Chromaticity Table				X 0	.296 0.287	0.307 0.	11	X 0.311	0.307 0.33	0.33		
For White colour only				Y 0	.276 0.295	0.315 0.	94	Y 0.294	0.315 0.339	0.318		

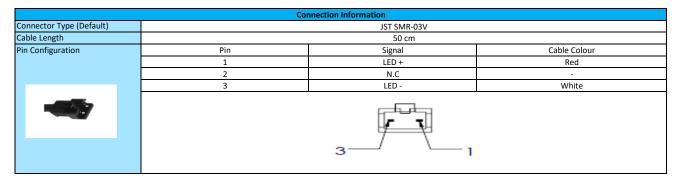
Electrical Information						
Rated Constant Voltage	24V					
Rated Constant Current	600mA	560mA	630mA	840mA		
Power Consumption	14.4W	13.44W	15.12W	20.16W		
Casing temperature,	59.8					
After 60 minutes operation	35.0					
Max. continous current of RED,	*It is not recommended to turn on Red, Green and Blue colour at the same time. Refer to Maximum Simultaneous 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 Mode Specification						
*Normal Strobe Voltage	24V					
*Normal Strobe Current	600mA	560mA	630mA	840mA		
Overdrive Voltage Range	Min: 36V Max: 48V	Min: 36V Max: 48V	Min: 36V Max: 48V	Min: 36V Max: 48V		
Overdrive Current Range	Min: 900mA Max: 1200mA	Min: 840mA Max: 1120mA	Min: 945mA Max: 1260mA	Min: 1260mA Max: 1680mA		
Max. pulse current of RED,	*It is not recommended to turn on Red, Green and Blue colour at the same time. Refer to Maximum Simultaneous 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						
Recommended Overdrive	36V					
Voltage	voc					
**Max. Trigger Pulse Duration	10 msec					
**Max. Duty Cycle	10%					

\*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. Failure in following this may results in damaging the lighting.





Additional Information			
Additional Cooling Method 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			
Illumination Type	Diffused Ring Illumination		
Application Use	Shining Surface and Food Packaging Inspection		



Maximum Simulteneous Current Output Information					
Colour	Current Limit (A)	Remarks			
SINGLE COLOUR : RED		TOTAL CURRENT OUTPUT : 0.5 A RECOMMENDED OVERDRIVE CURRENT : 1 A (36 V) ** OPTIMUM FOR SINGLE COLOUR			
SINGLE COLOUR : GREEN		TOTAL CURRENT OUTPUT : 0.4 A RECOMMENDED OVERDRIVE CURRENT : 1.17 A (36 V) ** OPTIMUM FOR SINGLE COLOUR			
SINGLE COLOUR : BLUE		TOTAL CURRENT OUTPUT : 0.45 A RECOMMENDED OVERDRIVE CURRENT : 1.21 A (36 V) ** OPTIMUM FOR SINGLE COLOUR			
COMBINE 2 COLOUR: RED & BLUE		TOTAL CURRENT OUTPUT : 0.5 A ****(EXAMPLE : RED = 0.25 A, BLUE = 0.25 A) ****(OVERDRIVE STROBE MODE EXAMPLE : RED = 0.5 A, BLUE = 0.5 A) FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C ENSURE CURRENT MUST NOT EXCEED 0.5 A			
COMBINE 2 COLOUR: RED & GREEN		TOTAL CURRENT OUTPUT : 0.5 A ****(EXAMPLE : RED = 0.25 A, GREEN = 0.25 A) FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C ENSURE CURRENT MUST NOT EXCEED 0.5 A			
COMBINE 2 COLOUR: GREEN & BLUE		TOTAL CURRENT OUTPUT : 0.5 A ****(EXAMPLE : GREEN = 0.25 A, BLUE = 0.25 A) *****(OVERDRIVE STROBE MODE EXAMPLE : RED = 0.5 A, BLUE = 0.5 A) FOR COMBINE COLOUR TEMPERATURE CANNOT EXCEED MORE THAN 60°C ENSURE CURRENT MUST NOT EXCEED 0.5 A			
COMBINE COLOUR: RED, GREEN & BLUE		TOTAL CURRENT OUTPUT : 0.5 A ****(EXAMPLE : RED = 0.16 A, GREEN = 0.16 A) ****(OVERDRIVE STROBE MODE EXAMPLE : RED = 0.33 A, GREEN = 0.33 A, BLUE = 0.33 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 details please contact us.					
Display and Image						
Data Results	Horizontal 90% 80% 70% 60% 50% 40% 30% 20% 10%	Meas.(mm)	Vertical   90%   80%   70%   60%   50%   40%   30%   20%   10%	Meas.(mm)		