





Lighting Information					
Part Number	LTZZO100-90-1-W-24V				
LED Color	WHITE				
Wavelength	REFER TO CHROMACITY TABLE				
Working Distance	20 mm	25 ו	mm	30 mm	
Intensity (±15%)	2527.6 lx 1959		9.6 lx 1462.6 lx		
Illumination (number of row)	1				
Illumination Active Area	Active Length / Outer I	Dia.	72 mm		
	Active Width / Inner D	ia.	71 mm		
Emission angle	0				
Eye Safety Class (IEC62471)	EXEMPT				
Chromaticity Table	X 0.296 0.287 0	.307 0.311	X 0.31	1 0.307 0.33 0.33	
For White colour only	Y 0.276 0.295 0	.315 0.294	Y 0.29	4 0.315 0.339 0.318	┚

Electrical Information			
Rated Constant Voltage	24V±2%		
Rated Constant Current	135 mA		
Power Consumption	3.24 W		
Casing temperature,	42.9 °C		
After 60 minutes operation	42.9 C		

Strobe Mode Specification			
*Normal Strobe Voltage	24 V		
*Normal Strobe Current	105 mA		
Overdrive Voltage Range	Min: 36V Max: 48V		
Overdrive Current Range	Min: 0.9 A	Max: 0.9 A	
Recommended Overdrive	201		
Voltage	36V		
**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.



Connection 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			
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	Direct Illumination			
Application Use	Edge Detection, Scratched On Metal or Glossy Surface			



Lighting Pattern				
Working Distance	25mm			
Display and Image	5.335			
Data Results	Horizontal 90% 80% 70% 60% 50% 40% 30% 20% 10%	Meas.(mm) 35 45 55 64 74 87 101 121 164 Meas.(cd/m2) 1506.091	Vertical 90% 80% 70% 60% 50% 40% 30% 20% 10%	Meas.(mm) 34 45 54 64 73 87 101 122 165