IDT3-00-150-1-RGB-24V

Lighting Dimension

BOTTOM SIDE VIEW
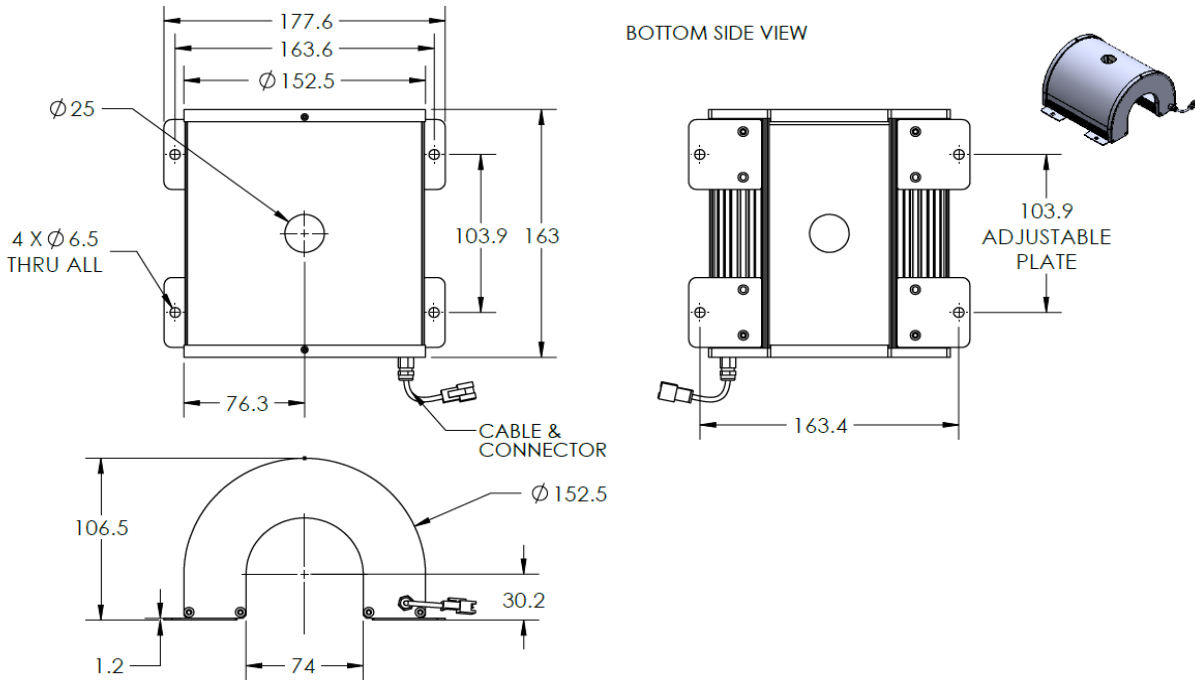
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0-45°C, Humidity 20-85%
Weight	532 g
Length / Outer Diameter	163 mm
Width / Inner Diameter	177.6 mm
Thickness / Height	106.5 mm

ILLUMINATOR DATA-ID

IDT3-00-150-1-RGB-24V

Optical Information									
Part Number					IDT3-00-150-1-RGB-24V				
LED Color		RED			GREEN		BLUE		
Wavelength	(nm)	630			525		470		
Intensity (±15%)	(Lux)								
Working Distance	(mm)	40	50	60	40	50	60	40	50	60
Illumination (number of row)					1				
Illumination Active Area									
Active Length / Outer Diameter	(mm)				147				
Active Width / Inner Diameter	(mm)				76				
Emission angle	(deg.)				0				
Eye Safety Class (IEC62471)		EXEMPT			EXEMPT		II		

Electrical Information							
Lighting Supply Voltage (constant voltage mode)				24V ± 2%			
Continuous Current	(mA)	RED	250	GREEN	200	BLUE	200
Power Consumption	(W)		6		4.8		4.8
Lighting casing temperature, Operating after 60 minutes	°C		51.5		51.5		51.5
Max. continous current of RED, GREEN & BLUE LEDs on at the same time	(mA)	RED, GREEN & BLUE LEDs on at the same time are not recommended					

Strobe Mode Specification							
Pulse Operation				YES			
Max. Lighting Supply Voltage (Constant voltage power supply)	(V)	Pulsing at 24VDC to 48VDC, 0-10% Duty Cycle, Recommended at 36VDC					
Pulse Current, (Max. 10msec) (Constant current power supply)	(mA)	RED	750	GREEN	600	BLUE	600
Max. pulse current of RED, GREEN & BLUE LEDs on at the same time	(V)	RED, GREEN & BLUE LEDs on at the same time are not recommended					
Max. Trigger Pulse Duration	(msec)	10					
Duty Cycle		0-10%					

Additional Information	
Additional Cooling Method	Attached to machine part for better heat dissipation
Intensity Controller Selection	ANG, SD, ST & SDA Series
CE Conformity	YES
RoHS Compliance	YES

Connection				
Connector Type (Default):		JST SMR-03V		
Cable Length out from lighting :	(mm)	500		
Pin Configuration :		Pin	Signal	Cable Color
		1	LED +	RED
		2	N.C.	---
		3	LED -	WHITE

Application	
Illumination Type	Indirect Illumination
Applicattion Use	Crack, chip, stains and mark on cylindrical surface or shafts.

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