TMS LITE SDN BHD
ILLUMINATION SOLUTION PARTNER

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since 2004
www.tms-lite.com

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ILLUMINATOR DATA (ID)

BHS4-00-120-X-IR850-24V

Lighting Dimension

EMITTING AREA

CABLE & CONNECTOR

RoHS COMPLIANT CE
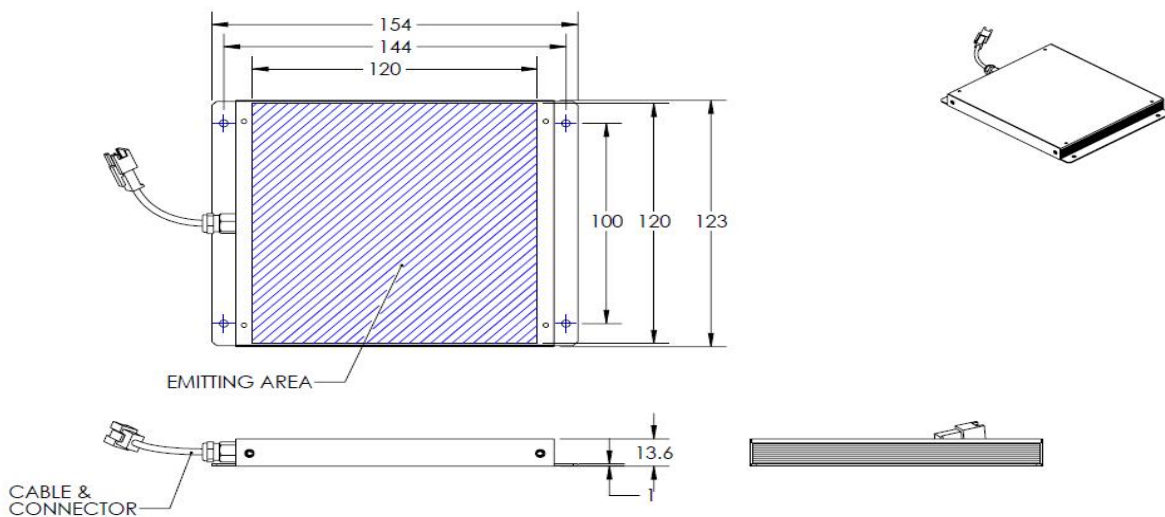
Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45°C
Storage Humidity Range	20 - 85%
Weight	325 g
Length / Outer Diameter	154 mm
Width / Inner Diameter	123 mm
Thickness / Height	13.6 mm

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Lighting Information			
Part Number	BHS4-00-120-X-IR850-24V		
LED Color	IR850		
Wavelength	850nm		
Working Distance	10 mm	20 mm	30 mm
Intensity (±15%)	-	-	-
Illumination (number of row)	X		
Illumination Active Area	Active Length / Outer Dia.	120 mm	
	Active Width / Inner Dia.	120 mm	
Emission angle	0		
Eye Safety Class (IEC62471)	EXEMPT		
Chromaticity Table For White colour only	Nil		

Electrical Information	
Rated Constant Voltage	24V±2%
Rated Constant Current	384 mA
Power Consumption	9.216 W
Casing temperature, After 60 minutes operation	51.7 °C

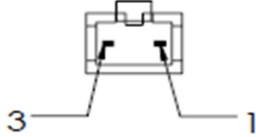| Strobe Mode Specification		
*Normal Strobe Voltage	24 V	
*Normal Strobe Current	384 mA	
Overdrive Voltage Range	Min: 36V	Max: 48V
Overdrive Current Range	Min: 1.32 A	Max: 1.9 A
Recommended Overdrive Voltage	36V	
**Max. Trigger Pulse Duration	10 msec	
**Max. Duty Cycle	10%	

*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.

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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

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	Backlight Illumination
Application Use	Lead Frame Inspection, Shape Recognition, Size Measurement, edge detection.

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