

Lighting Dimension



Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	0 - 45 °C
Storage Humidity Range	20 - 85 %
Weight	32 g
Length / Outer Diameter	55 mm
Width / Inner Diameter	43 mm
Thickness / Height	6.5 mm

BHDS-00-40X40-1-R-24V

Lighting Information																														
Part Number	BHDS-00-40X40-1-R-24V																													
LED Color	Red																													
Wavelength	630																													
Working Distance	NA			NA			NA																							
Intensity (±15%)	NA lx			NA lx			NA lx																							
Illumination (number of row)	X																													
Illumination Active Area	Active Length / Outer Dia.			40 mm																										
	Active Width / Inner Dia.			40 mm																										
Emission angle	0																													
Eye Safety Class (IEC62471)	EXEMPT																													
Chromaticity Table For White colour only	<table><tr><td>X</td><td>0.296</td><td>0.287</td><td>0.307</td><td>0.311</td></tr><tr><td>Y</td><td>0.276</td><td>0.295</td><td>0.315</td><td>0.294</td></tr></table>					X	0.296	0.287	0.307	0.311	Y	0.276	0.295	0.315	0.294	<table><tr><td>X</td><td>0.311</td><td>0.307</td><td>0.33</td><td>0.33</td></tr><tr><td>Y</td><td>0.294</td><td>0.315</td><td>0.339</td><td>0.318</td></tr></table>					X	0.311	0.307	0.33	0.33	Y	0.294	0.315	0.339	0.318
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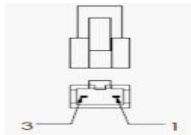
Electrical Information	
LED Color	Red
Rated Constant Voltage	24 V±2%
Rated Constant Current	Min: 40 mA Max:
Power Consumption	Min: 0.96 W Max:
Casing temperature, After 60 minutes operation	TBA

Strobe Mode Specification	
**Normal Strobe Voltage	24 V
LED Color	Red
**Normal Strobe Current	Min: NA mA Max: NA mA
Overdrive Voltage Range	Min: NA V Max: NA V
Overdrive Current Range	Min: NA A Max: NA A
Recommended Overdrive Voltage	36 V
***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.

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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	-	-					
	3	LED-	White					
	4							
	5							
	<table><tr><td>PIN 1</td><td>24V</td></tr><tr><td>PIN 2</td><td>-</td></tr><tr><td>PIN 3</td><td>GND</td></tr></table>			PIN 1	24V	PIN 2	-	PIN 3
PIN 1	24V							
PIN 2	-							
PIN 3	GND							

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
Reach	Yes
BIS	No
UKCA	No

Application	
Illumination Type	BACKLIGHT ILLUMINATION
Application Use	Lead Frame Inspection,Shape Recognition,Size Measurement

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Lighting Pattern																																																																						
LED Color	Red																																																																					
Working Distance	NA mm																																																																					
Display and Image																																																																						
Data Results	<table><tr><td colspan="2">Horizontal</td><td>Meas.(mm)</td><td colspan="2">Vertical</td><td>Meas.(mm)</td></tr><tr><td colspan="2">90%</td><td>NA</td><td colspan="2">90%</td><td>NA</td></tr><tr><td colspan="2">80%</td><td>NA</td><td colspan="2">80%</td><td>NA</td></tr><tr><td colspan="2">70%</td><td>NA</td><td colspan="2">70%</td><td>NA</td></tr><tr><td colspan="2">60%</td><td>NA</td><td colspan="2">60%</td><td>NA</td></tr><tr><td colspan="2">50%</td><td>NA</td><td colspan="2">50%</td><td>NA</td></tr><tr><td colspan="2">40%</td><td>NA</td><td colspan="2">40%</td><td>NA</td></tr><tr><td colspan="2">30%</td><td>NA</td><td colspan="2">30%</td><td>NA</td></tr><tr><td colspan="2">20%</td><td>NA</td><td colspan="2">20%</td><td>NA</td></tr><tr><td colspan="2">10%</td><td>NA</td><td colspan="2">10%</td><td>NA</td></tr></table> <table><tr><td rowspan="2">Max</td><td colspan="2">Meas.(cd/m2)</td></tr><tr><td colspan="2">NA</td></tr></table>					Horizontal		Meas.(mm)	Vertical		Meas.(mm)	90%		NA	90%		NA	80%		NA	80%		NA	70%		NA	70%		NA	60%		NA	60%		NA	50%		NA	50%		NA	40%		NA	40%		NA	30%		NA	30%		NA	20%		NA	20%		NA	10%		NA	10%		NA	Max	Meas.(cd/m2)		NA	
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