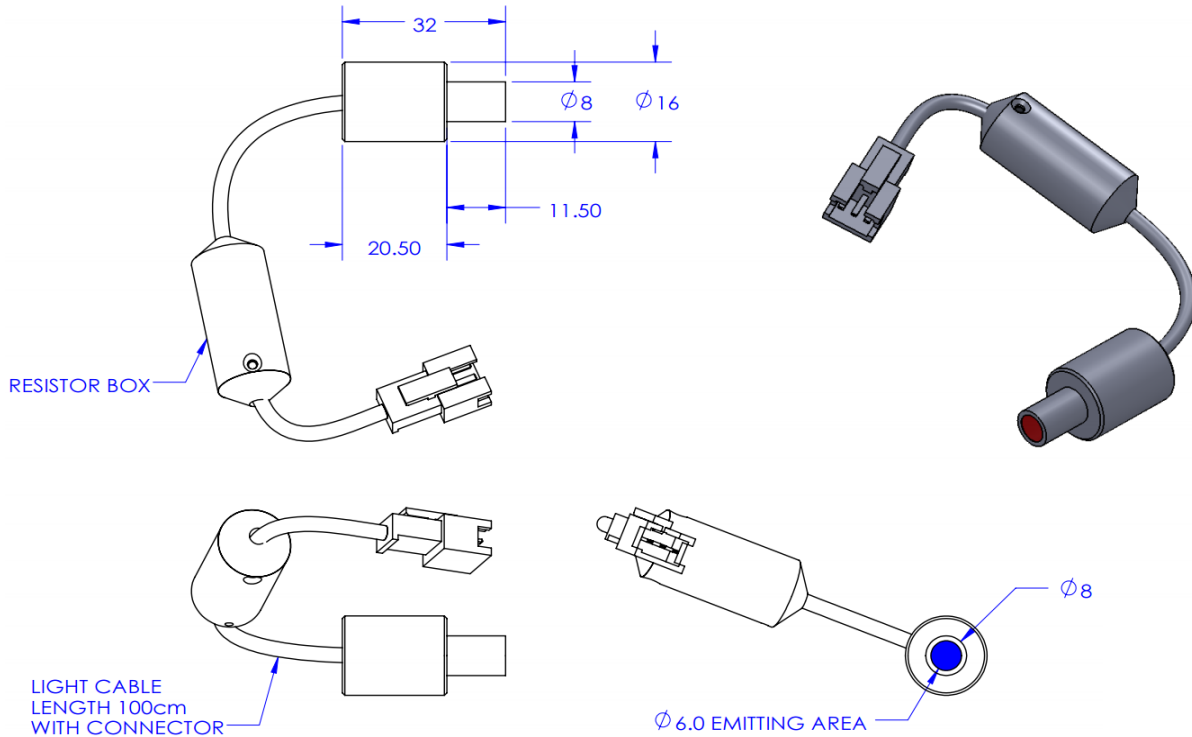




# ILLUMINATOR DATA-ID

**HBFS-00-08-1-W-5V**

## Lighting Dimension




Mechanical Information	
Casing Material	Aluminium
Storage Temperature Range	Temp 0 - 45°C, Humidity 20-85%
Weight	45 g
Length / Outer Diameter	16 mm
Width / Inner Diameter	-
Thickness / Height	32 mm



# ILLUMINATOR DATA-ID

## HBFS-00-08-1-W-5V

<b>Optical Information</b>																									
Part Number		HBFS-00-08-1-W-5V																							
LED Color		WHITE																							
Wavelength	(nm)	* Refer to the Chromaticity Table Below																							
Intensity (±15%)	(Lux)	TBA	TBA	TBA																					
Working Distance	(mm)	TBA	TBA	TBA																					
Illumination (number of row)		1																							
Illumination Active Area																									
Active Length / Outer Diameter	(mm)	6																							
Active Width / Inner Diameter	(mm)	-																							
Emission angle	(deg.)	0																							
Eye Safety Class ( IEC62471 )		EXEMPT																							
<b>*CHROMATICITY TABLE</b>		<table border="1"> <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> <table border="1"> <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	0.296	0.287	0.307	0.311	Y	0.276	0.295	0.315	0.294	X	0.311	0.307	0.33	0.33	Y	0.294	0.315	0.339	0.318
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<b>Electrical Information</b>																									
Lighting Supply Voltage (constant voltage mode)		5V ± 2%																							
Continuous Current	(mA)	110																							
Power Consumption	(W)	2.64																							
Lighting casing temperature, Operating after 60 minutes	°C	TBA																							
<b>Strobe Mode Specification</b>																									
Pulse Operation		YES																							
Max. Lighting Supply Voltage (Constant voltage power supply)	(V)	Pulsing at 5VDC to 10VDC, 0-10% Duty Cycle, Recommended at 8VDC																							
Pulse Current, (Max. 10msec) (Constant current power supply)	(mA)	330																							
Max. Trigger Pulse Duration	(msec)	10																							
Duty Cycle		0-10%																							
<b>Additional Information</b>																									
Additional Cooling Method		Attached to machine part for better heat dissipation																							
Intensity Controller Selection		ANG, ST, SD and SDA Series																							
CE Conformity		YES																							
RoHS Compliance		YES																							
<b>Connection</b>																									
Connector Type (Default):		JST SMR-03V																							
Cable Length out from lighting :	(mm)	500																							
Pin Configuration :		Pin	Signal	Cable Color																					
		1	N.C.	---																					
		2	LED +	RED																					
		3	LED -	WHITE																					
																									
<b>Application</b>																									
Illumination Type		Spot Light Illumination																							
Application Use		Use in macro Lenses inspection, spot light																							