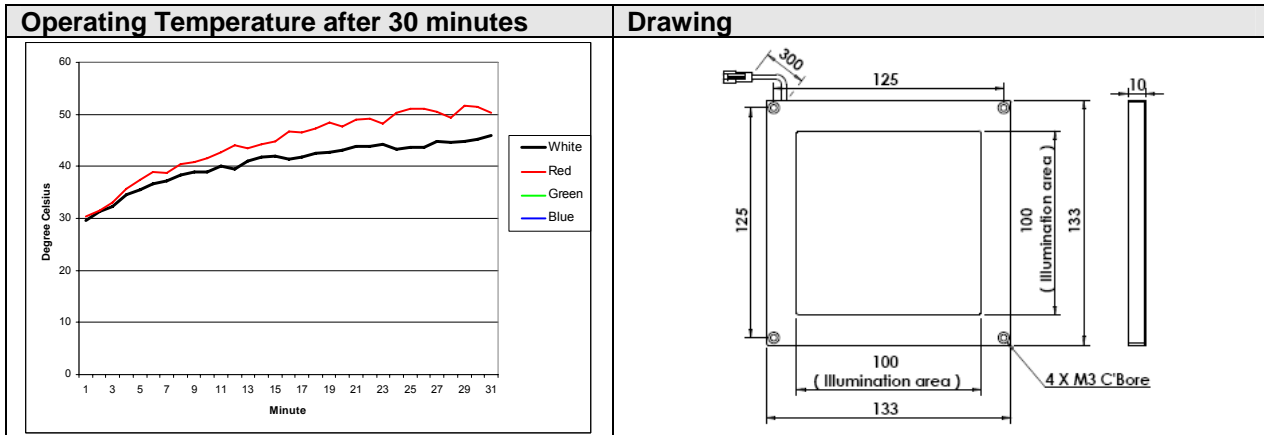




Rev. Date: 2009-04-11

Diffuse Back Light

LFL-Si100

Mechanical Data (TYP)	
Casing Material	Aluminum + Diffuse Acrylic
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	Approx. 290g

Optical Data (TYP)	R	R24	W	G	B
Illumination (number of LED)	100	96		120	
Led Color	RED		WHITE	GREEN	BLUE
Wavelength	635nm		xy=(0.31,0.32)	525nm	470nm
Led Package	PLCC4		SMD		

Electrical Data (TYP)	R	R24	W	G/B
Operating Voltage	12V ± 2%	24V ± 2%	24V ± 2%	
Reverse Battery Protection	YES	YES	YES	
Supply Ripple Voltage	≤ Vs ± 5%	≤ Vs ± 5%	≤ Vs ± 5%	
Current Consumption	0.80A	0.48A	0.60A	0.40A
Power Consumption	9.60W	11.52W	14.40W	9.60W
Trigger Voltage	Continuous=12V Pulsing 12-24V 0-10% Duty Cycle	Continuous= 24V Pulsing 48V 0-10% Duty Cycle	Continuous= 24V Pulsing 48V 0-10% Duty Cycle	
Operating after 30 minutes	Approx. 51°C		Approx. 46°C	
Additional Cooling Method	Attached to large machine part			
Life span in continuous mode	20,000 hours (drop to 50% intensity) at 25°C			
Life span in strobe light mode	Est. >50,000 hours (drop to 50% intensity) at 25°C			
Connection	JST SMR-02V, 1:+,2:-	JST SMR-03V, 1:+,3:-	JST SMR-03V, 1:+,3:-	
Power Supply Selection	PSA-12V PSD-12V PSD-STL-12V	PSA-24V PSD-24V PSD-STL-48V	PSA-24V PSD-24V PSD-STL-48V	