



Diffuse Front Light

**LFR-Si70**

Operating Temperature after 30 minutes	Drawing

Mechanical Data (TYP)	
Casing Material	Aluminum + Diffuse Acrylic
Storage Temperature Range	Temp 0-35°C, Humidity 20-85%
Weight	Approx. 140g

Optical Data (TYP)	R	R24	W	G	B
Illumination (number of LED)	56	56	54		
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	0.56A	0.28A	0.18A
Power Consumption	6.72W	6.72W	4.32W
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. 56°C		Approx. 41°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

Application (TYP)	
Recommended Working Distance	10-50mm