

New Products LED Luminaire Checklist

Required Parameters

Model/Manufacturer:	
Application (from spec):	
Max Power (watts) (at 70 °F & 120 Vac):	
Max LED Junction Temp (°C):	
Heat sink area (sq in)	
Thermal resistance* R_{thj-a} (°C/W) (total)	
R_{thj-sp} (required)(from LED data sheet)	
Driver Manufacture/Model	
Driver Life (at 70°F)	
L70 (hours) (at 70°F)	
Lumen Maintenance Factor (at 70°F and 63,000 hrs)	

Required Documents and Test Reports (check if included)

Product spec sheet	
LED spec sheet (w/output vs time chart)	
Driver (Power Supply) spec sheet	
IES LM-79 Report (including luminous intensity distribution per IES LM-63)	
IES LM-80 Report	
Initial iso-footcandle chart	
End of life iso-footcandle chart	
ANSI/IEEE C62.41.2 Report	
Caltrans Test 611 Report (or equal)	

*Note: Thermal resistance measured in °C/W. R_{thj-a} is the total thermal resistance from the LED junction to the ambient air. R_{thj-sp} is the component from the LED junction to the solder point on the PC board or place where the LED is mounted.