

LP Series

Ambient Operating Conditions Datasheet: IS-0185 Revision ~

# Ambient Operating Conditions

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NOMINAL ROOM OPERATING TEMPERATURE = 77° Fahrenheit / 25° Celsius

MAXIMUM RATED AMBIENT TEMPERATURE = 95° Fahrenheit / 35° Celsius

The photometric performance (LM-79 reports and IES files) for LSI's LP Series product family are based at a NOMINAL ROOM OPERATING TEMPERATURE of 77° Fahrenheit/ 25° Celsius.

However, knowing that not all environments are the same, LSI has also ensured that our product can perform and survive within a MAXIMUM RATED AMBIENT TEMPERATURE of 95° Fahrenheit / 35° Celsius. The LP Series product family reliability is described in detail in IS-0186 per LM-80-08 protocols.

There will be no degradation of the 50,000 hour life, when the LP Series product family operates in an ambient environment that is above the NOMINAL TEMPERATURE (77° F), and below the MAXIMUM TEMPERATURE (95° F).

However, due to the effects of the temperature on the driver and the LED's, there will be up to a 2% degradation in the Lumen Output of the product. For example, if at nominal (77° F) ambient a specific fixture would operate at 860 Lumens, the same fixture at maximum (95° F) ambient could operate at 843 Lumens, however it will remain within all other specifications – no impact to color temperature (CCT), or color rendering (CRI).