

LED LIGHT PERFORMANCE TESTING REPORT CARD

- This document is to serve as a guide when comparing LED lighting systems by various manufacturers.
- It allows for a proper comparison of lighting systems by using approved measurements and standards in the lighting industry

Manufacturer Name : _____

Part # : _____

Date: _____

- 1) **Lumen output** = The light power output of the LED fixture per linear foot (measured in Lumens)

Lumens per linear foot minimum

FIXTURE A = _____

- 2) **Color temperature** = The color tint of the white light (Measured in Kelvin)
Typical range = 2700K (yellow tint) - 4000K (Neutral/Pure white) - 6000K (blue tint)

Color temp

FIXTURE A = _____

- 3) **Binning of LEDs** = Binning is the process of grouping LEDs of the same color temperature together. LEDs binned to **3 step Macadam ellipses max or lower** guarantees that there is no noticeable color difference from LED to LED (fixture to fixture)

Binning

FIXTURE A = _____

- 4) **Color Rendering Index (CRI)** = The color rendering index (CRI), is a quantitative measure of the ability of a light source to reproduce the colors of various objects faithfully in comparison with an ideal or natural light source

CRI

FIXTURE A = _____

- 5) **Power (wattage per linear foot)** = The amount of power the LED light will use per linear foot (measured in watts)

Watts per linear foot

FIXTURE A = _____

- 6) **Efficiency** = How effective the LED light is at converting power to light output
(Measured in Lumens per watt)

Lumens per Watt

FIXTURE A = _____

- 7) **LED life** – What is the rated LED life in hours?

Rated Life hours

FIXTURE A = _____

- 8) **Warranty** = What is the standard warranty period?

Warranty

FIXTURE A = _____

- 9) **Electrical approvals** – What electrical approvals does the system carry?

Electrical approvals

Warranty

FIXTURE A = _____

- 10) **Where the product is manufactured?**

Country of Manufacture

FIXTURE A = _____

Name: _____

Signed: _____