



Product Brief

LUXEON H

High Voltage LED

LUXEON® H delivers superior color performance and reliability in a high voltage architecture that minimizes driver requirements making it an ideal solution for space constrained and cost sensitive retrofit bulbs and luminaires. With exceptional color stability over temperature and current, LUXEON H simplifies design while providing superior quality of light.

LUXEON H Benefits:

- Designed for the demanding compact retrofit bulb market
- Enables simplified solutions—no DC driver required
- Driven directly with rectified AC requiring just a resistor and bridge rectifier enabling more space to be allocated to thermal management
- Products with 50V 1-4 watt, 100V/200V 4-8 watt that delivers high quality of light with stable color over operating current and temperature
- LUXEON quality and reliability
- Complete optical, electrical and mechanical design resources help you get to market faster.

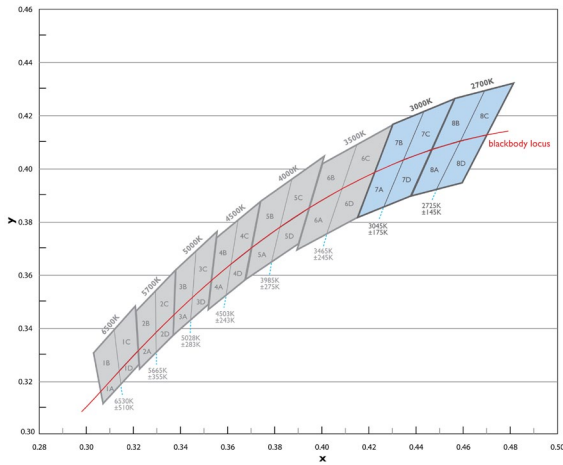


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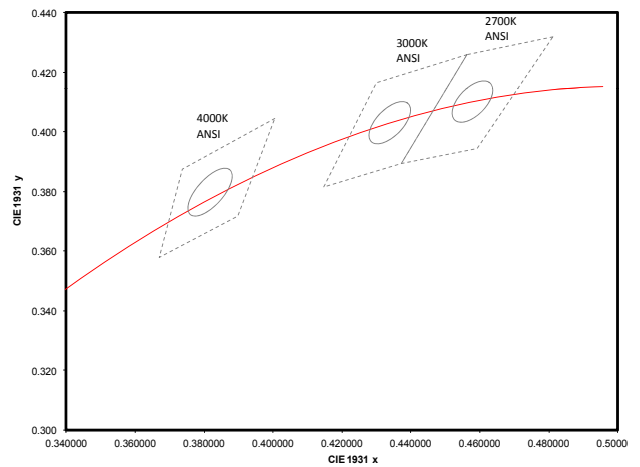
LUXEON H Illumination Characteristics

| Series | Voltage | CCT (K) | Test | Min. CRI | Min. Flux (lm) | Typ. Flux (lm) | Typ. Voltage (V) | Max. Voltage (V) | Typ. Efficacy (lm/W) | Binning Description | Part Number |
|--------|---------|---------|--------------|----------|----------------|----------------|------------------|------------------|----------------------|------------------------------------|----------------|
| | | | Current (mA) | | | | | | | | |
| H50-1 | 50 | 2700K | 20 | 80 | 50 | 63 | 53 | 60 | 60 | ANSI Color Binning | LXAC-PW27 |
| H50-1 | 50 | 3000K | 20 | 80 | 50 | 67 | 53 | 60 | 63 | ANSI Color Binning | LXAC-PW30 |
| H100-8 | 100 | 2700K | 40 | 80 | 300 | 363 | 96 | 98 | 95 | 3 SDCM color; One flux, One Vf bin | LXV8-PW27-0014 |
| H100-8 | 100 | 3000K | 40 | 80 | 320 | 386 | 96 | 98 | 101 | 3 SDCM color; One flux, One Vf bin | LXV8-PW30-0014 |
| H100-8 | 100 | 4000K | 40 | 80 | 340 | 408 | 96 | 98 | 106 | 3 SDCM color; One flux, One Vf bin | LXV8-PW40-0014 |
| H200-8 | 200 | 2700K | 20 | 80 | 300 | 363 | 192 | 196 | 95 | 3 SDCM color; One flux, One Vf bin | LXV8-PW27-0024 |
| H200-8 | 200 | 3000K | 20 | 80 | 320 | 386 | 192 | 196 | 101 | 3 SDCM color; One flux, One Vf bin | LXV8-PW30-0024 |
| H200-8 | 200 | 4000K | 20 | 80 | 340 | 408 | 192 | 196 | 106 | 3 SDCM color; One flux, One Vf bin | LXV8-PW40-0024 |
| H50-2 | 50 | 2700K | 40 | 80 | 150 | 165 | 50 | 52 | 83 | 3 and 5 SDCM Color Binning | LXAC-I827 |
| H50-2 | 50 | 3000K | 40 | 80 | 160 | 175 | 50 | 52 | 88 | 3 and 5 SDCM Color Binning | LXAC-I830 |

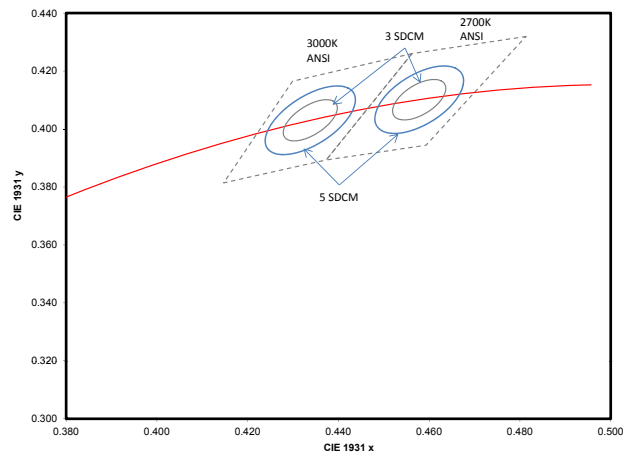
LUXEON H Binning
LXAC-PW27, LXAC-PW30



LUXEON H Binning
LXV8-PW27, LXV8-PW30, LXV8-PW40



LUXEON H Binning
LXAC-I827, LXAC-I830



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