

# SPHERE (US)

Decorative, dim to warm LED lightbulbs.

I. SPHERE I (E12)  
4 WATT | 220 LUMENS | 2000K TO 2800K  
SPHR-G50-4W-2000/2800K-E12-MP-120V

II. SPHERE I (E26)  
4 WATT | 220 LUMENS | 2000K TO 2800K  
SPHR-G50-4W-2000/2800K-E26-MP-120V

III. SPHERE II  
8 WATT | 560 LUMENS | 2000K TO 2800K  
SPHR-G75-8W-2000/2800K-E26-MP-120V

IV. SPHERE III  
8 WATT | 640 LUMENS | 2000K TO 2800K  
SPHR-G100-8W-2000/2800K-E26-MP-120V

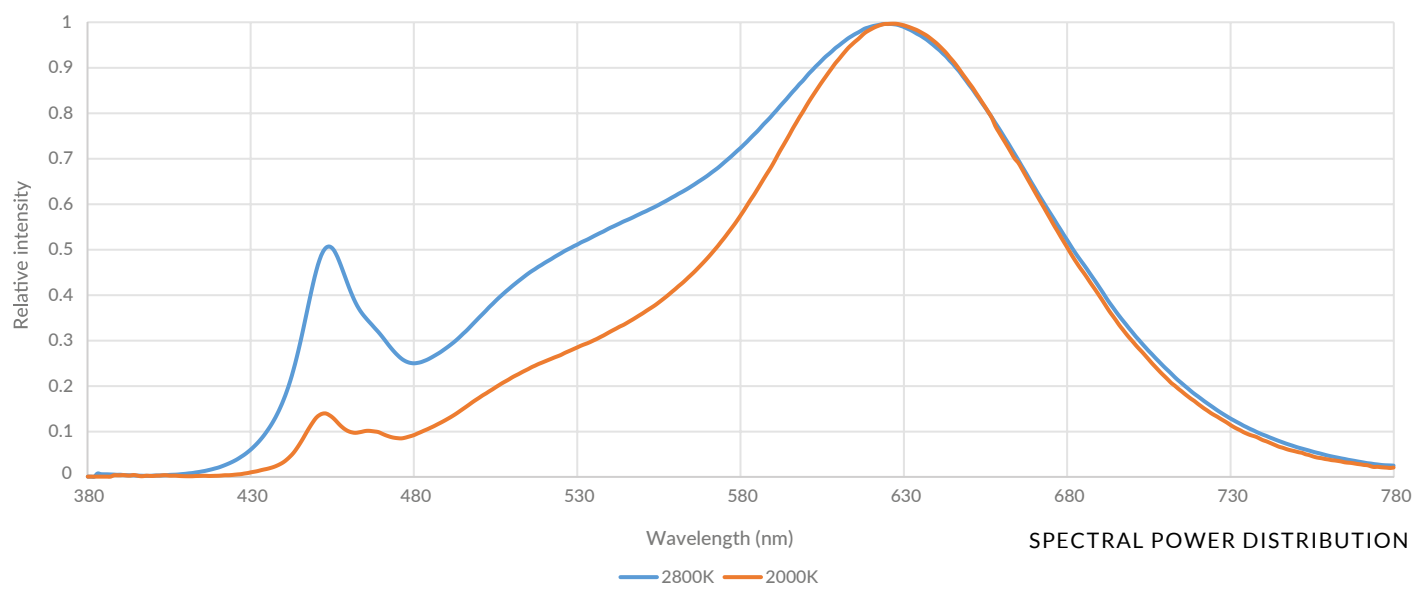
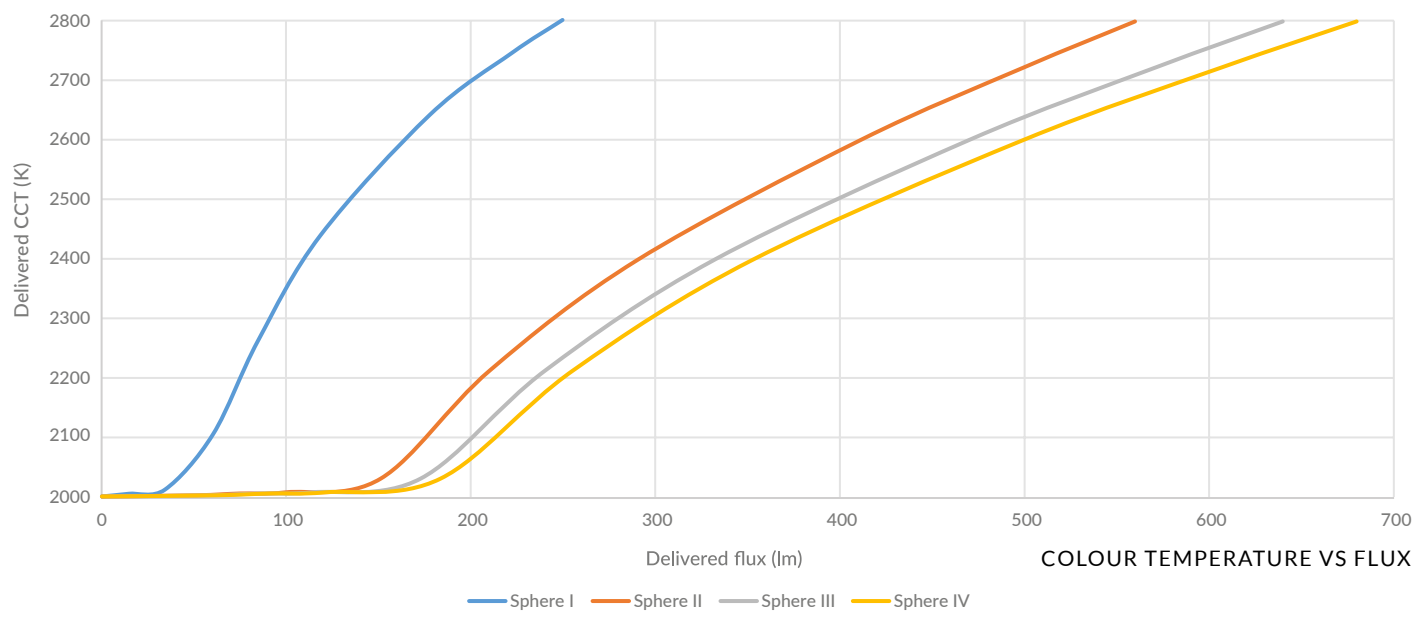
V. SPHERE IV  
8 WATT | 680 LUMENS | 2000K TO 2800K  
SPHR-G150-8W-2000/2800K-E26-MP-120V



|                       | SPHERE I (E12)                | SPHERE I (E26) | SPHERE II | SPHERE III | SPHERE IV |
|-----------------------|-------------------------------|----------------|-----------|------------|-----------|
| Min. delivered CCT    | 2000K                         |                |           |            |           |
| Max. delivered CCT    | 2800K                         |                |           |            |           |
| Percent Flicker (IES) | <5%                           |                |           |            |           |
| Beam angle            | ~360°                         |                |           |            |           |
| Dimmable              | Dim to Warm                   |                |           |            |           |
| Lifetime              | 15,000hrs                     |                |           |            |           |
| Working temp          | -5°C to 40°C                  |                |           |            |           |
| Switch cycles         | 30,000                        |                |           |            |           |
| Warm-up time          | Instant                       |                |           |            |           |
| Input frequency       | 50/60Hz                       |                |           |            |           |
| Input Voltage         | 110-120V                      |                |           |            |           |
| Materials             | Soda-lime Glass and Brass Cap |                |           |            |           |
| Finish                | Matte White                   |                |           |            |           |

|                       |                 |                 |                 |                 |                 |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Lamp Lumen Output     | 220             | 220             | 560             | 640             | 680             |
| CRI(Ra)               | 95              | 95              | 95              | 95              | 95              |
| Rated power           | 4W              | 4W              | 8W              | 8W              | 8W              |
| Efficiency (lm/W)     | 55              | 55              | 70              | 80              | 85              |
| Replacement power     | 22W replacement | 22W replacement | 46W replacement | 51W replacement | 53W replacement |
| Bulb shape            | G16 (USA)       | G16 (USA)       | G24 (USA)       | G31 (USA)       | G47 (USA)       |
| Base cap              | E12             | E26             | E26             | E26             | E26             |
| Dimensions (W x L in) | 2 x 3.2 in      | 2 x 3.3 in      | 2.9 x 3.9 in    | 3.9 x 5.4 in    | 5.9 x 7.7 in    |
| Weight                | 17g             | 23g             | 82g             | 116g            | 180g            |
| Power Factor          | 0.9             | 0.9             | 0.8             | 0.8             | 0.8             |

# SPHERE (US)



## Recommended Dimmers

### RECOMMENDED:

- Arditi 1004P
- Lutron Diva DVELV-300P
- Lutron SELV-300P
- Lutron RRD-6NA

### COMPATIBLE:

- Eaton SALO6P
- Forbes & Lomax
- FLRLV603P HueRich HD-
- U100-H Legrand
- ADTP703TU Legrand Tru-
- Universal Leviton SureSlide
- 6674 Leviton Decora
- DSL06-1LZ Lutron
- DVCL-153P
- Lutron GRAFIK Eye QS
- Lutron HQRD-6NA
- Lutron LECL-153P
- Lutron LGCL-153P
- Lutron MACL-153M
- Lutron MAELV-600
- Lutron MRF2S-6ELV120
- Lutron PD-6WCL
- Lutron SCL-153P
- Lutron TGCL-153P
- Lutron DV-600P
- Sun-Lite J-50C
- Sun-Lite J-35F

# SPHERE (US)

## COLOUR QUALITY METRICS

2800K

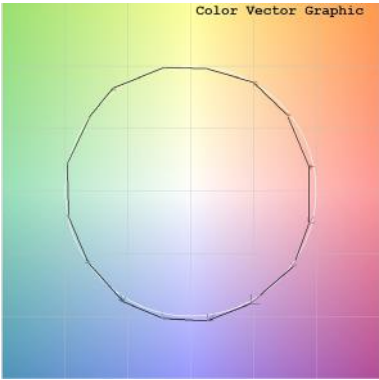
2000K

| Ra | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 96 | 98 | 99 | 98 | 97 | 98 | 96 | 93 | 88 | 75 | 99  | 98  | 85  | 99  | 99  | 95  |
| 94 | 96 | 94 | 96 | 97 | 94 | 87 | 92 | 93 | 89 | 89  | 92  | 76  | 95  | 99  | 99  |

## IES TM30 COLOUR VECTOR GRAPHIC

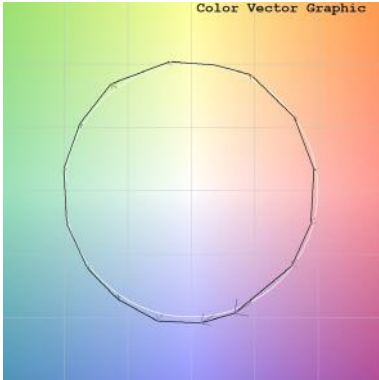
This plot shows the average chromaticity shift for the samples within each of 16 hue bins, which are compiled out of the 99 IES TM-30 Color Evaluation Samples. The values are normalized so that the reference is a circle. Vector arrows indicate the direction and degree of the shift for each hue bin.

- Radial shift indicates an increase/decrease in saturation.
- Tangential shift indicates a shift in hue.
- Length of arrow indicates degree of shift.



2800K (full power)

Colour fidelity (Rf) 92  
Colour Gamut (Rg) 101

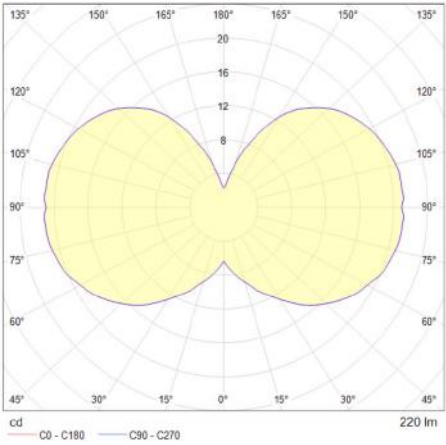


2000K (min power)

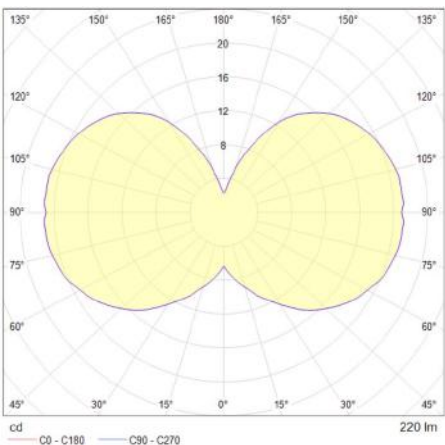
Colour fidelity (Rf) 92  
Colour Gamut (Rg) 104

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

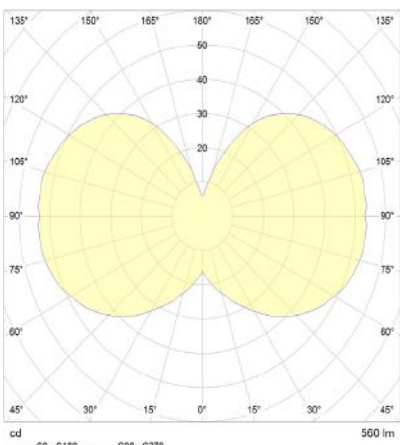
SPHERE I (E12)



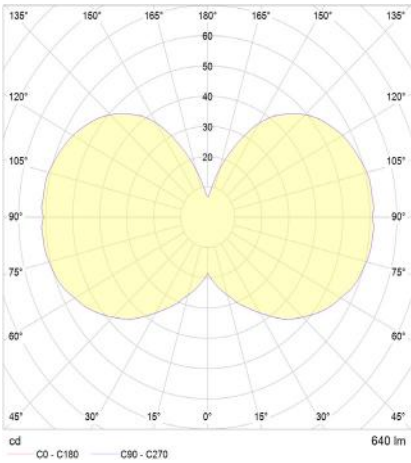
SPHERE I (E26)



SPHERE II



SPHERE III



SPHERE VI

