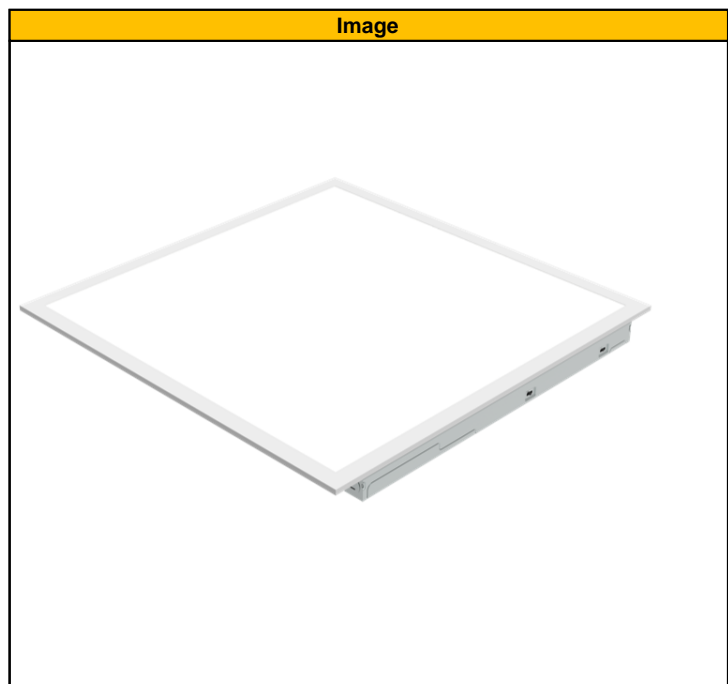


LED 2x2 Flat Panel Lumen & Color Selectable 120-277V Dimm - Specification Sheet

Product #: 90519 Product Code: FPL-22-LS-CS-UNV



| Product Details | |
|--------------------|-------------------------------------|
| Watts | Selectable 20W, 30W or 35W |
| Color Temp | Selectable 3500K, 4000K or 5000K |
| Lumens | Selectable Lumens 2500-3700-4300 |
| Voltage | 120-277V |
| Bulb Type | |
| Base Type | |
| Dimmable | Yes (0-10V) |
| Equivalent Watts | |
| Amps | |
| Input Frequency | 50/60Hz |
| Length | |
| Size | 2x2 |
| Warranty (years) | 5 |
| Color Selectable | Yes |
| Wattage Selectable | Yes (Lumen Select) |
| Filament Type | |
| Technology | LED |
| Market | Commercial |
| Applications | |

| For Submittals | |
|----------------|--|
| Date | |
| Location | |
| Type | |
| Project | |
| Notes | |

| Product Identifiers | |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Short Name | Flat Panel 2x2 |
| Product Name | LED 2x2 Flat Panel Lumen & Color Selectable (2500-4375Lum 3500K 4000K 5000K) UNV 120-277V 0-10V Dimmable (Backlit Technology) |
| Product Id | 90519 |
| Product Code | FPL-22-LS-CS-UNV |
| UPC | 807154905195 |
| Manufacturer | Halco Lighting Technologies |
| Brand | Halco |

| Packaging & Weights | |
|------------------------------|-----|
| Sold in Multiples of | 1 |
| Inner Package Size | 1 |
| Master Carton Size | 2 |
| Contains Single Inner Sleeve | |
| Weight per Item | 4.5 |

| Certifications | |
|-----------------------|-------------------------------------------------------------------------------------------|
| UL Listed | |
| ETL Listed | Yes |
| DLC Qualified | DLC 5.1 Premium |
| Energy Star Certified | |
| IC Rated | Yes |
| IP Rating | IP20 |
| JA-8 | |
| Title 20 | |
| Title 24 | Yes |
| RoHs | Yes |
| Certifications | ETL Listed - DLC 5.1 Premium - Damp Location - IP20 Rated - IC Rated - Rohs - CA Title 24 |

| Performance | |
|-----------------------------|--------|
| Average Life | 50,000 |
| Color Rendering Index (CRI) | 80 |
| Power Factor | 0.9 |
| Beam Angle | 115 |
| Beam Type (Spread) | |
| Light Dist. Type | |
| Open -Closed Rated | |
| Environment (wet, damp,etc) | Damp |
| Operating Position | |

| Construction | |
|------------------|------------------------------------------------------------------------------------------------------------------|
| Base Material | |
| Housing Material | Steel Housing with Aluminum Frame. Optional extended junction box for additional wiring space (sold separately). |
| Finish | White |
| Trim Color | |
| Trim Design | |
| Mount Included | no |
| Mount Options | Recessed or Surface (Surface and Drywall mounts sold separately) |
| Lens | |
| With Lens Guard | |

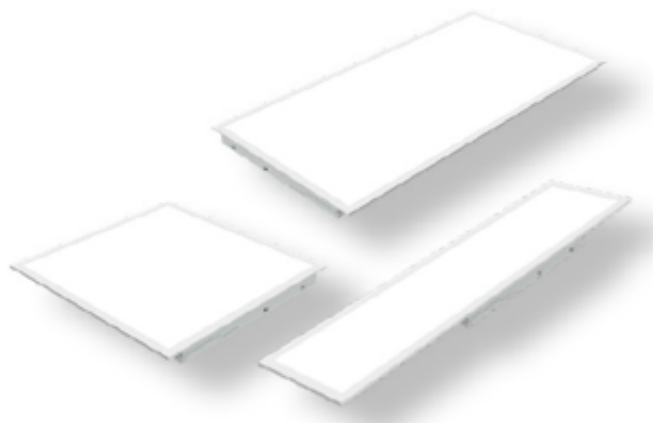
| Other Features | |
|-------------------------------|-----|
| Emergency Backup Available | Yes |
| Included Accessory | |
| Integrated Controls Available | |

| Ballast Features | |
|-------------------------|--|
| Ballast Type | |
| Ballast Lamp Type | |
| Number of Lamps | |
| Primary Lamp | |
| Start Type | |
| Ballast Lamp Watts | |
| Ballast Lamp Connection | |

LED Luminaires

Flat Panel

- 1'X4', 2'X2' and 2'X4' fixture sizes
- Select from 3500K, 4000K, or 5000K CCT
- Select from three lumen output levels
- All FPLCR Flat Panels come with a 3.5mm receptacle for integrated fixture sensors
- 0-10V Dimming to 10%



Specifications

Description

The Flat Panel Series is a family of highly efficient, versatile, configurable recessed fixtures, designed for recessed applications. The DLC Premium listed panels offer lumen output and color temperature selectability, making their versatility and simple aesthetic design perfect for educational, commercial and retail and applications.

Performance

- Field selectable CCT (3500K, 4000K, 5000K)
- Field selectable lumen output
- 120-277V, 50/60 Hz 0-10V dimming driver to 10%
- 80 CRI
- L70 Lumen maintenance > 50,000 hours
- 5 year limited warranty

Construction

- Steel housing with aluminum frame
- Field selectable CCT switch
- Field selectable lumen output switch

Certifications

- cETLus rated for damp locations
- IC Rated for direct contact with insulation
- DLC Premium listed
- Product can be used to comply with CA Title 24 standards
- IP20
- RoHS compliant
- FCC part 15 compliant
- TAA compliant

Flat Panel

Performance Table

| Product Code | Wattage | 3500K | | 4000K | | 5000K | |
|------------------|---------|------------|-----------------|------------|-----------------|------------|-----------------|
| | | Lumen (lm) | Efficacy (lm/W) | Lumen (lm) | Efficacy (lm/W) | Lumen (lm) | Efficacy (lm/W) |
| FPL-14-LS-CS-UNV | 20W | 2595 | 134 | 2660 | 141 | 2628 | 136 |
| | 25W | 3163 | 132 | 3263 | 139 | 3204 | 134 |
| | 30W | 3608 | 129 | 3730 | 137 | 3646 | 131 |
| FPL-22-LS-CS-UNV | 20W | 2735 | 136 | 2857 | 145 | 2871 | 142 |
| | 30W | 3875 | 131 | 4085 | 142 | 4050 | 136 |
| | 35W | 4385 | 128 | 4631 | 139 | 4561 | 134 |
| FPL-24-LS-CS-UNV | 30W | 3977 | 135 | 4167 | 146 | 4158 | 141 |
| | 35W | 4565 | 132 | 4814 | 144 | 4770 | 138 |
| | 45W | 5660 | 126 | 5993 | 139 | 5882 | 131 |

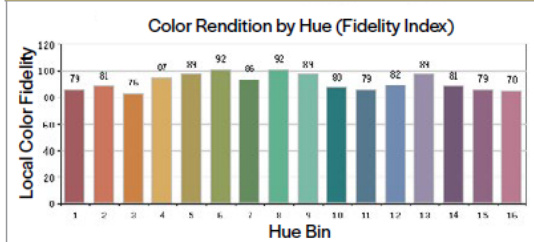
Dimmer Compatibility List

| Dimmer Brand | Series |
|--------------|----------|
| LEVITON | IP70-LFZ |
| LEVITON | DVSTV-WH |
| COOPER | DF10-PC1 |

Photometric Information

90519 FPL-22-LS-CS-UNV_4000K_20W

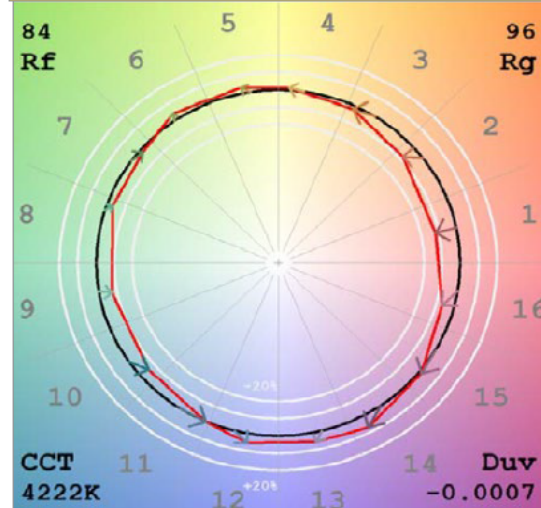
FPL-22-LS-CS-UNV Set to 4000K



Zonal Lumen Summary

| Zonal | Lumens | % Fixture |
|-----------|--------|-----------|
| 0° - 10° | 98 | 3% |
| 10° - 20° | 265 | 9% |
| 20° - 30° | 404 | 14% |
| 30° - 40° | 490 | 17% |
| 40° - 50° | 511 | 18% |
| 50° - 60° | 465 | 16% |
| 60° - 70° | 356 | 12% |
| 70° - 80° | 207 | 7% |
| 80° - 90° | 61 | 2% |
| 0° - 90° | 2,857 | 100% |

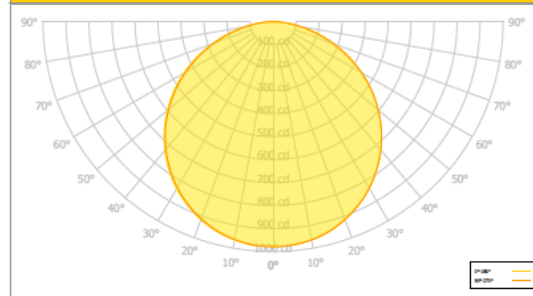
Color Vector Graphics

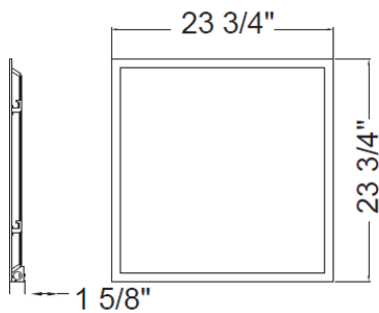
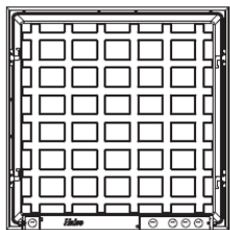
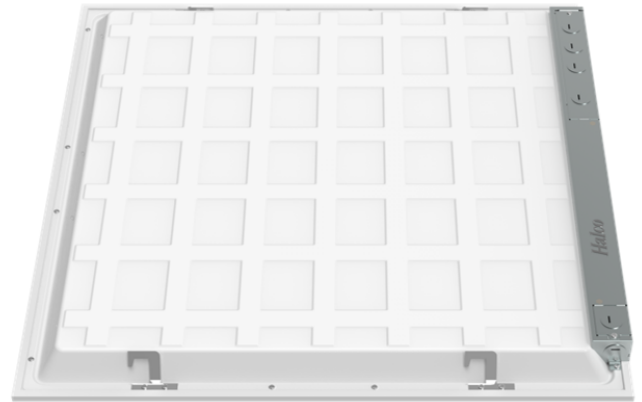
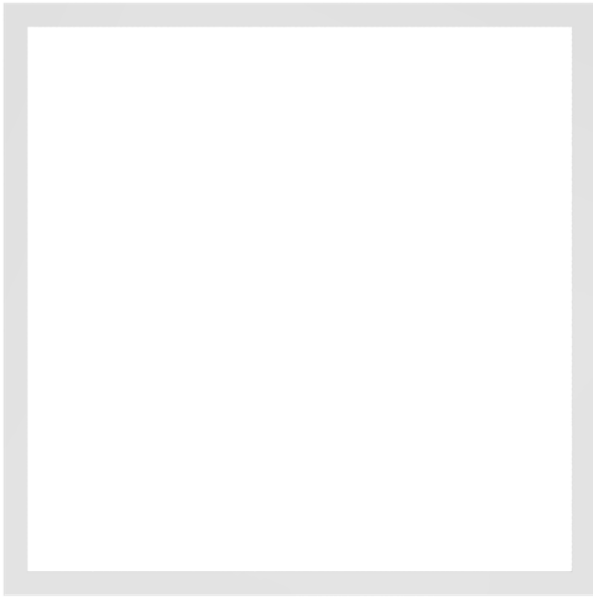


Information

| | |
|----|----|
| RF | 84 |
| RG | 96 |

FPL-22-LS-CS-UNV Set to 4000K





2x2