



## LP-ULFTD-17512

### 6" SQUARE LED PANEL LIGHT LP-ULFTD-17512, 120V 12W 5000K (DAYLIGHT)

#### Specifications

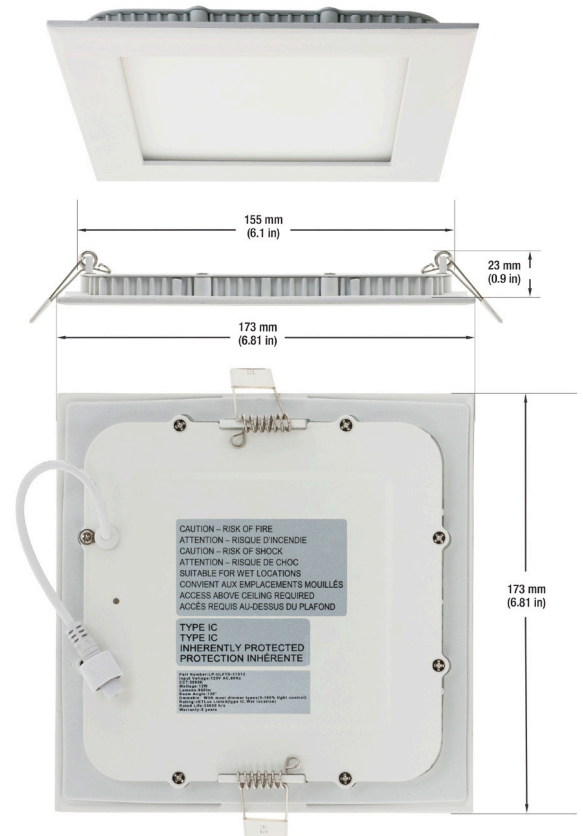
|                           |   |
|---------------------------|---|
| <b>Model No.:</b>         | LP-ULFTD-17512  |
| <b>Input Voltage:</b>     | 120V AC   |
| <b>Wattage:</b>           | 12W   |
| <b>Frequency :</b>        | 50-60 Hz  |
| <b>Color Temperature:</b> | 5000K (Daylight)  |
| <b>Brightness:</b>        | 900 Lumens  |
| <b>Beam Angel:</b>        | 120°  |
| <b>Trim Color:</b>        | White   |
| <b>Dimmable:</b>          | Yes   |
| <b>IC Rated:</b>          | Yes   |
| <b>Rendering Index:</b>   | CRI>80  |
| <b>IP Rated:</b>          | IP20 (Suitable for damp locations)  |
| <b>Wire Length:</b>       | 25 cm (9.8 in) 22AWG  |
| <b>Dimensions:</b>        | <b>Overall Length:</b> 173 mm (6.81 in)<br><b>Depth:</b> 23 mm (0.9 in)                           |
| <b>Cut Size:</b>          | 155 mm (6.1 in)   |
| <b>J-Box Dimensions:</b>  | <b>Length:</b> 87 mm (3.425 in)<br><b>Width:</b> 87 mm (3.425 in)<br><b>Depth:</b> 33 mm (1.3 in) |
| <b>Certification:</b>     | ETL   |



**SKU: 666561412562**

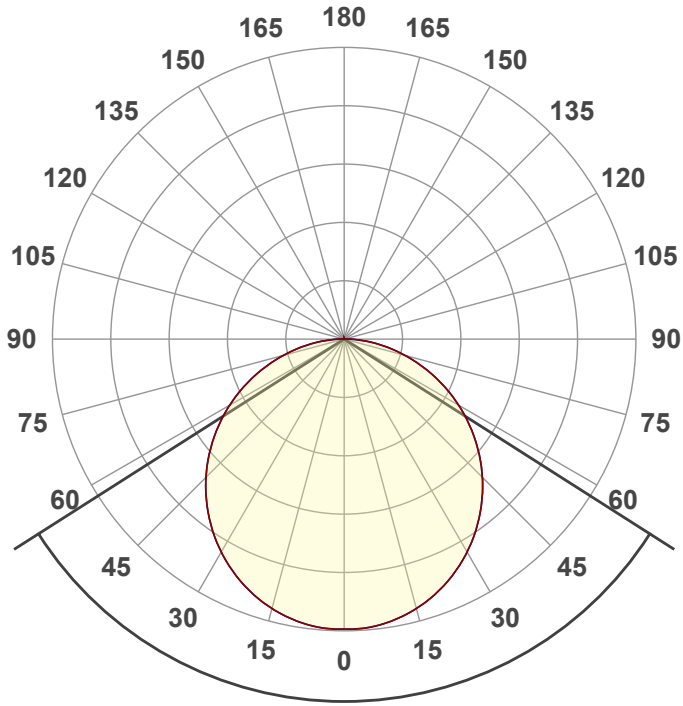
#### Features

- This downlight works in various indoor applications. It has universal ceiling applications.
- Easy installation, fast connecting with the input wires and spring clips for a secure mount.
- Recessed lighting is suitable for both dry and damp environments.
- Well suited for both residential and commercial indoor spaces.



#### Disclaimer

The data and information contained in this specification sheet are subject to change without notice; the ratings supplied are provided based on the product manufacturer. The information contained in this specification sheet should not be considered a warranty, expressed or implied, including, but not limited to, a warranty of merchantability or fitness for a particular purpose. In no event shall LED Lights and Parts be liable for any incidental or consequential damages resulting from the use, misuse, or inability to use the product. This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory.



Beam angle

**115°**

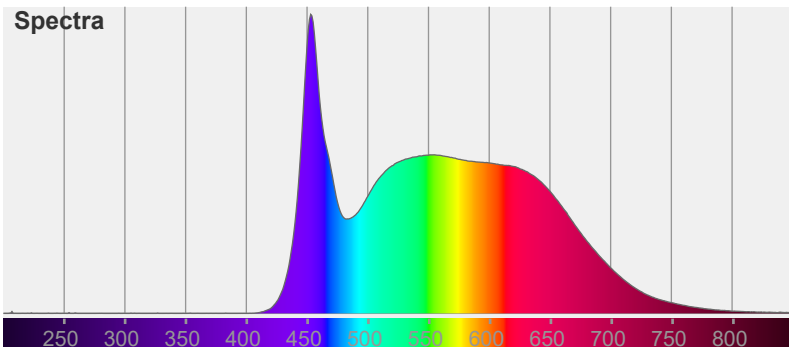


Color



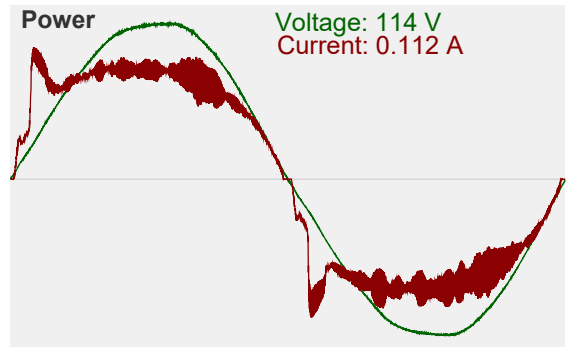
CIE1931  
x: 0.339  
y: 0.348

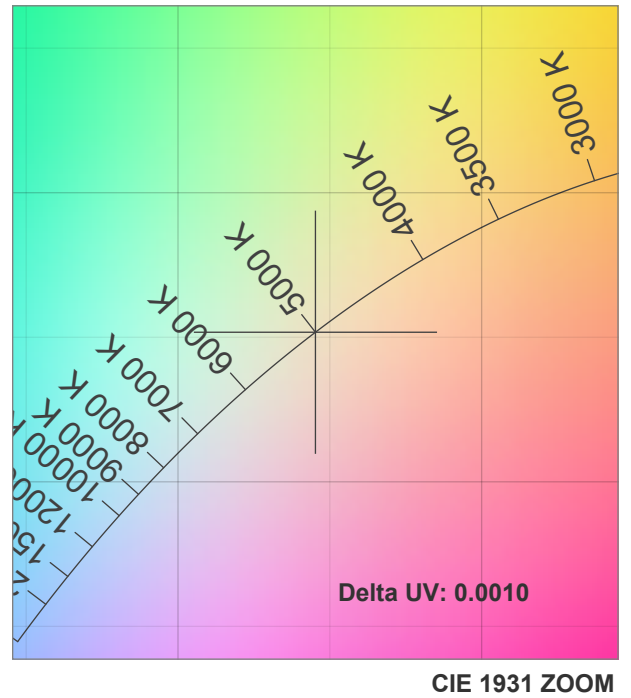
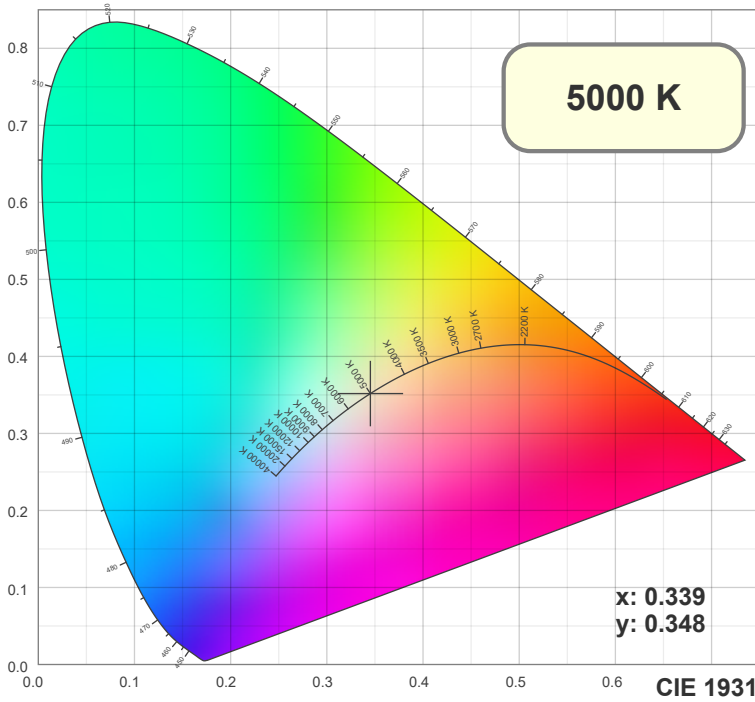
Spectra



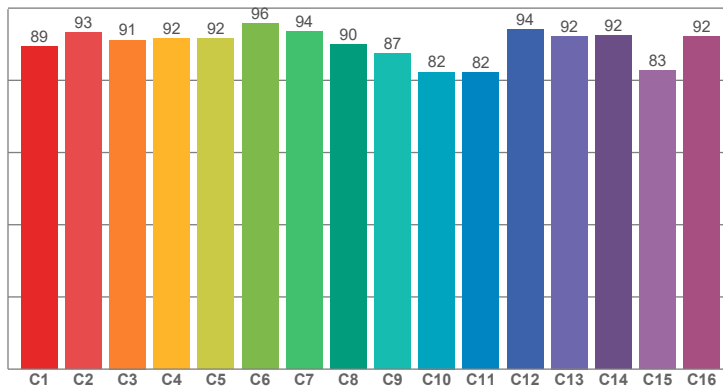
Power

Voltage: 114 V  
Current: 0.112 A

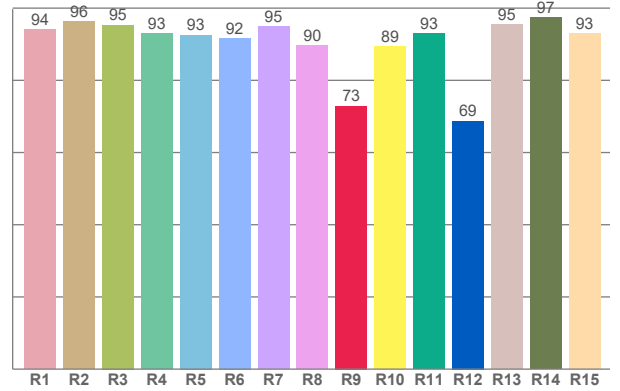




**TM30: 89.9**



**CRI: 93.5 (R1-R8)**



CRI R values, only R1-R8 are used to calculate final CRI value

| R1    | R2    | R3    | R4    | R5    | R6    | R7    | R8    | R9    | R10   | R11   | R12   | R13   | R14   | R15   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 94.10 | 96.37 | 95.35 | 92.97 | 92.56 | 91.70 | 95.00 | 89.55 | 72.90 | 89.44 | 92.89 | 68.72 | 95.44 | 97.39 | 93.05 |

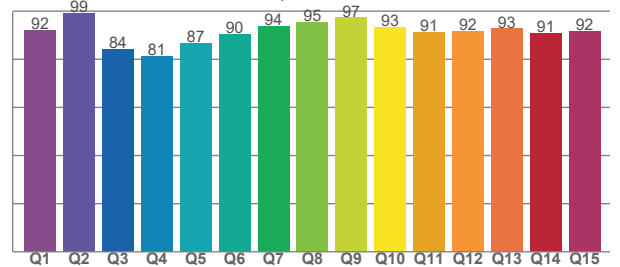
TM30 C values, 16 binned values out of total of 99 C values

| C1    | C2    | C3    | C4    | C5    | C6    | C7    | C8    | C9    | C10   | C11   | C12   | C13   | C14   | C15   | C16   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 89.36 | 93.29 | 91.17 | 91.67 | 91.63 | 95.68 | 93.55 | 89.92 | 87.49 | 82.30 | 82.15 | 93.99 | 92.26 | 92.38 | 82.83 | 92.23 |

CQS Q values

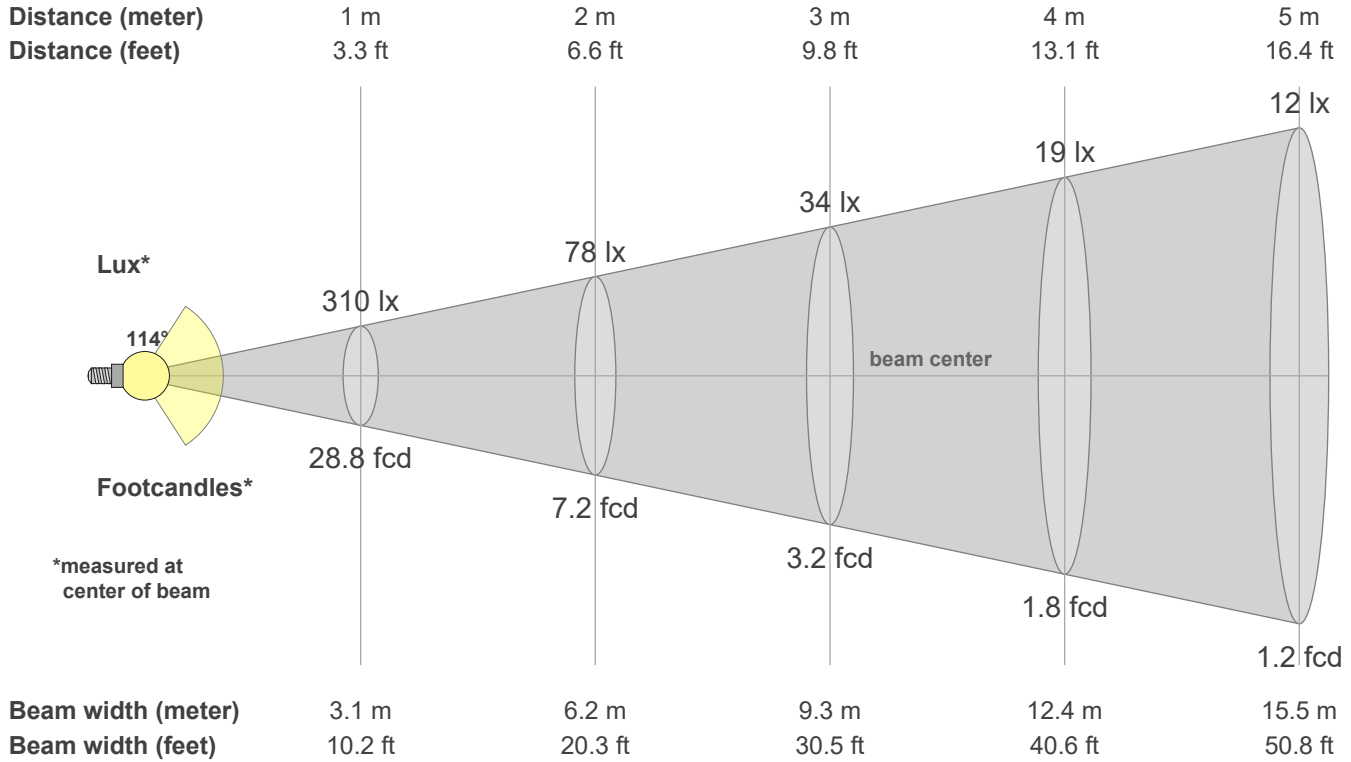
| Q1    | Q2    | Q3    | Q4    | Q5    | Q6    | Q7    | Q8    | Q9    | Q10   | Q11   | Q12   | Q13   | Q14   | Q15   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 92.05 | 99.20 | 83.99 | 81.36 | 86.84 | 90.31 | 93.78 | 95.21 | 97.24 | 93.25 | 91.35 | 91.74 | 92.67 | 90.95 | 91.80 |

**CQS: 90.4**



## Color parameters

| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x   | y   | u   | v   | Duv    |
|--------|------|--------|---------|---------|------|-----|-----|-----|-----|--------|
| 5000 K | 93.5 | 72.9   | 89.9    | 98.4    | 90.4 | 0.3 | 0.4 | 0.2 | 0.3 | 0.0023 |



### Intensities in 0° c-plane

|      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0°   | 5°   | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
| 310  | 309  | 305 | 298 | 289 | 277 | 263 | 247 | 229 | 209 | 188 | 165 | 141 | 117 | 92  | 68  | 44  | 23  | 7   | 0   |
| 100% | 100% | 98% | 96% | 93% | 89% | 85% | 80% | 74% | 67% | 60% | 53% | 46% | 38% | 30% | 22% | 14% | 7%  | 2%  | 0%  |

### Intensities in 90° c-plane

|      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0°   | 5°   | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
| 310  | 309  | 305 | 298 | 289 | 277 | 263 | 247 | 229 | 209 | 188 | 165 | 141 | 117 | 92  | 68  | 44  | 23  | 7   | 0   |
| 100% | 100% | 98% | 96% | 93% | 89% | 85% | 80% | 74% | 67% | 60% | 53% | 46% | 38% | 30% | 22% | 14% | 7%  | 2%  | 0%  |

### Intensities in 180° c-plane

|      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0°   | 5°   | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
| 310  | 309  | 305 | 298 | 289 | 277 | 263 | 247 | 229 | 209 | 188 | 165 | 141 | 117 | 92  | 68  | 44  | 23  | 7   | 0   |
| 100% | 100% | 98% | 96% | 93% | 89% | 85% | 80% | 74% | 67% | 60% | 53% | 46% | 38% | 30% | 22% | 14% | 7%  | 2%  | 0%  |

### Intensities in 270° c-plane

|      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0°   | 5°   | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
| 310  | 309  | 305 | 298 | 289 | 277 | 263 | 247 | 229 | 209 | 188 | 165 | 141 | 117 | 92  | 68  | 44  | 23  | 7   | 0   |
| 100% | 100% | 98% | 96% | 93% | 89% | 85% | 80% | 74% | 67% | 60% | 53% | 46% | 38% | 30% | 22% | 14% | 7%  | 2%  | 0%  |

|                       |                        |                          |                                     |                                    |
|-----------------------|------------------------|--------------------------|-------------------------------------|------------------------------------|
| <b>Beam angle 50%</b> | <b>Field angle 10%</b> | <b>Cutoff angle 2.5%</b> | <b>Intensity ratio in 120° cone</b> | <b>Intensity ratio in 90° cone</b> |
| 114.2°                | 165.9°                 | 179.2°                   | 76.6%                               | 51.8%                              |