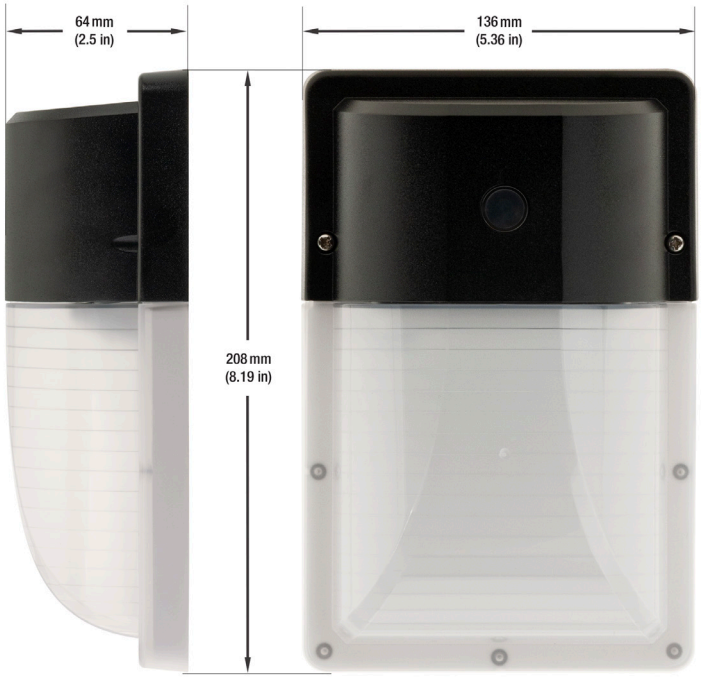
# LED WALL PACK LIGHT WITH PHOTOCELL 13W, 5000K (DAYLIGHT)


## Specifications

| | |
|---|---|
| **Model No.:** | ML-WPA-13W-227V-50K-P |
| **Input Voltage:** | 100-277V AC |
| **Wattage:** | 13W |
| **Color Temperatures:** | 5000K (Daylight) |
| **Brightness:** | 1300 Lumens |
| **Beam Angel:** | 120° |
| **IP Rating:** | IP67 (Outdoor Rated) |
| **Wire Size:** | 200mm (7.8")<br>18AWG |
| **Dimensions:** | **Height:** 208mm (8.19")<br>**Width:** 136mm (5.36")<br>**Depth:** 64mm (2.5") |
| **Certification:** | ETL |

## Features

- High-quality and energy-efficient lighting solution for various outdoor applications.
- Automatic on/off operation with dusk to dawn features, saving energy and ensuring reliability.
- Daylight color temperature of 5000K for bright and clear illumination.
- Wattage of 13W, providing a cost-effective option for outdoor lighting needs.
- Compact and durable design with ETL certification for high safety standards.
- Meets Canadian and United States standards with CSA certification, ensuring high quality and reliability for various outdoor applications.




***Photocell Motion Sensor***

## 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.

**Light efficiency:**

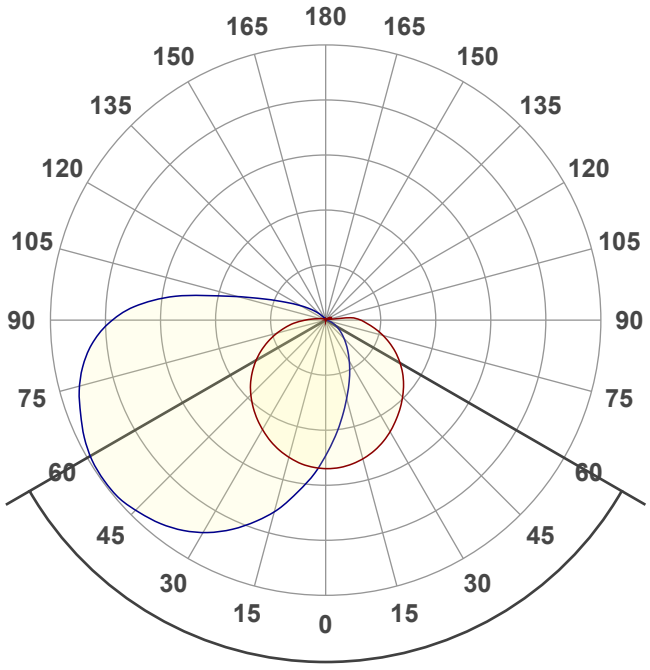
103 Lumen/Watt

**Light quality:**

CRI: 85.0

**Color temperature:**

5000 K

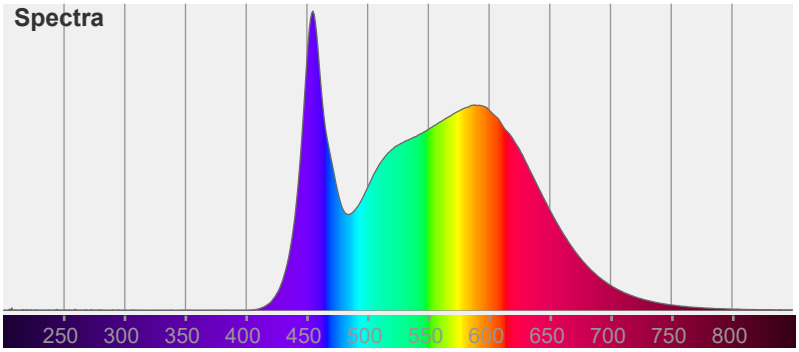



**Beam angle** 120°

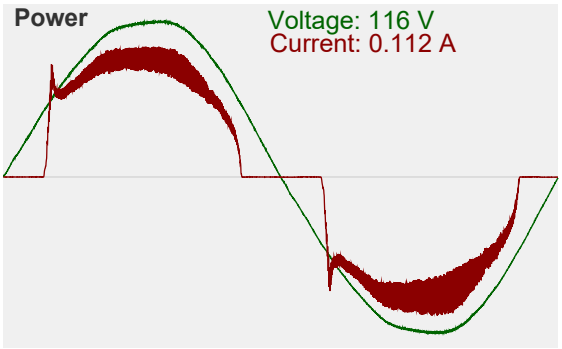
**Color**

CIE1931
x: 0.352
y: 0.362

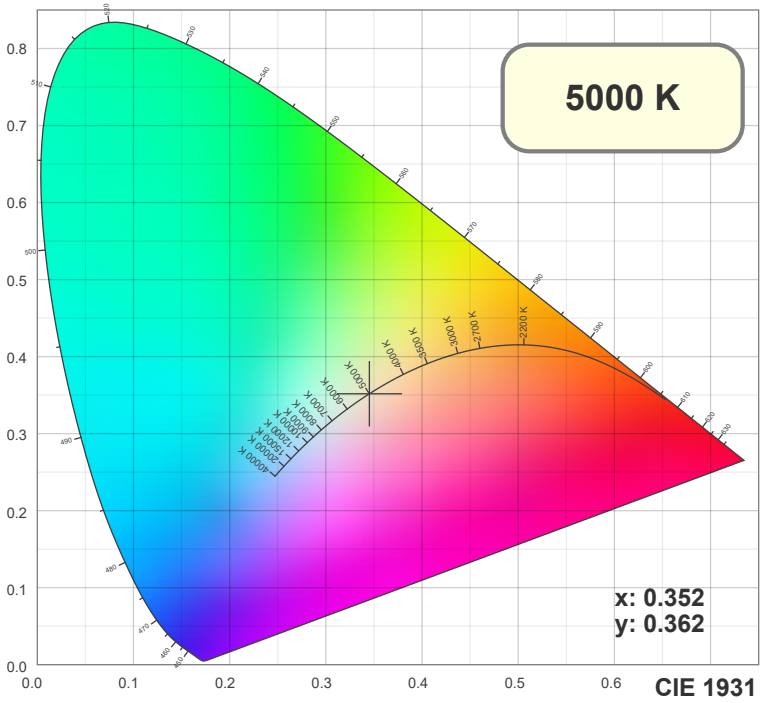
**Spectra**



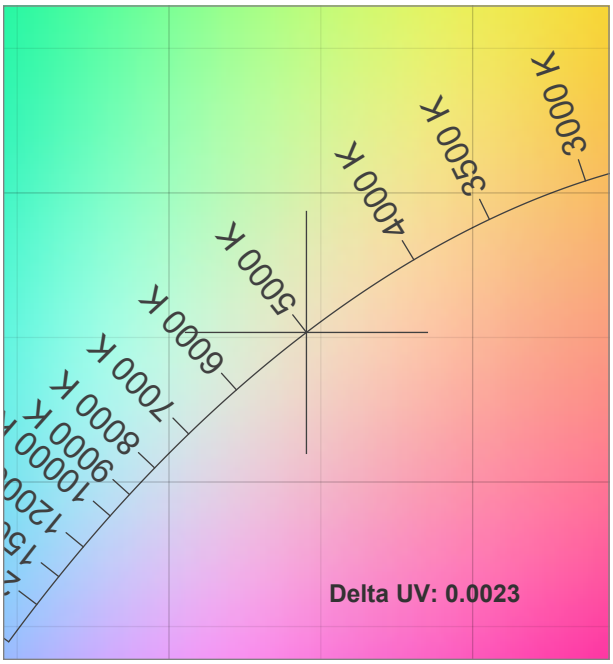

**Power**




Light measurement was created using the Viso Systems - Light Inspector. www.visosystems.com

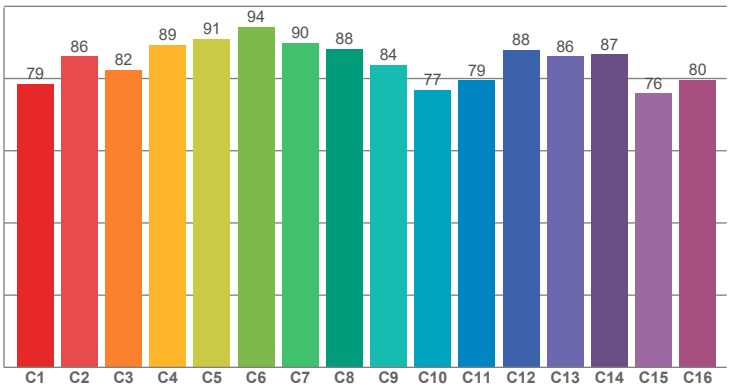



CIE 1931

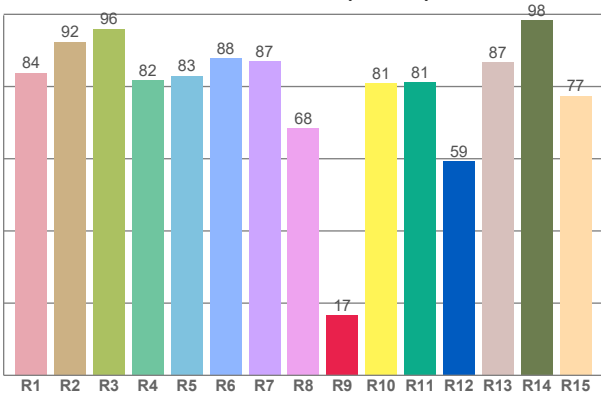



CIE 1931 ZOOM

**TM30: 84.7**




**CRI: 85.0 (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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83.74 | 92.39 | 95.93 | 81.70 | 82.93 | 87.84 | 86.91 | 68.46 | 16.61 | 80.84 | 81.18 | 59.35 | 86.63 | 98.31 | 77.36 |

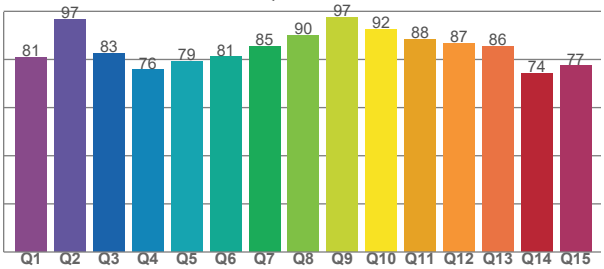
**TM30 C values, 16 binned values out of total of 99 C values**

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78.50 | 86.18 | 82.36 | 89.37 | 91.03 | 94.28 | 89.90 | 88.23 | 83.74 | 76.82 | 79.43 | 87.91 | 86.08 | 86.64 | 75.84 | 79.65 |

**CQS Q values**

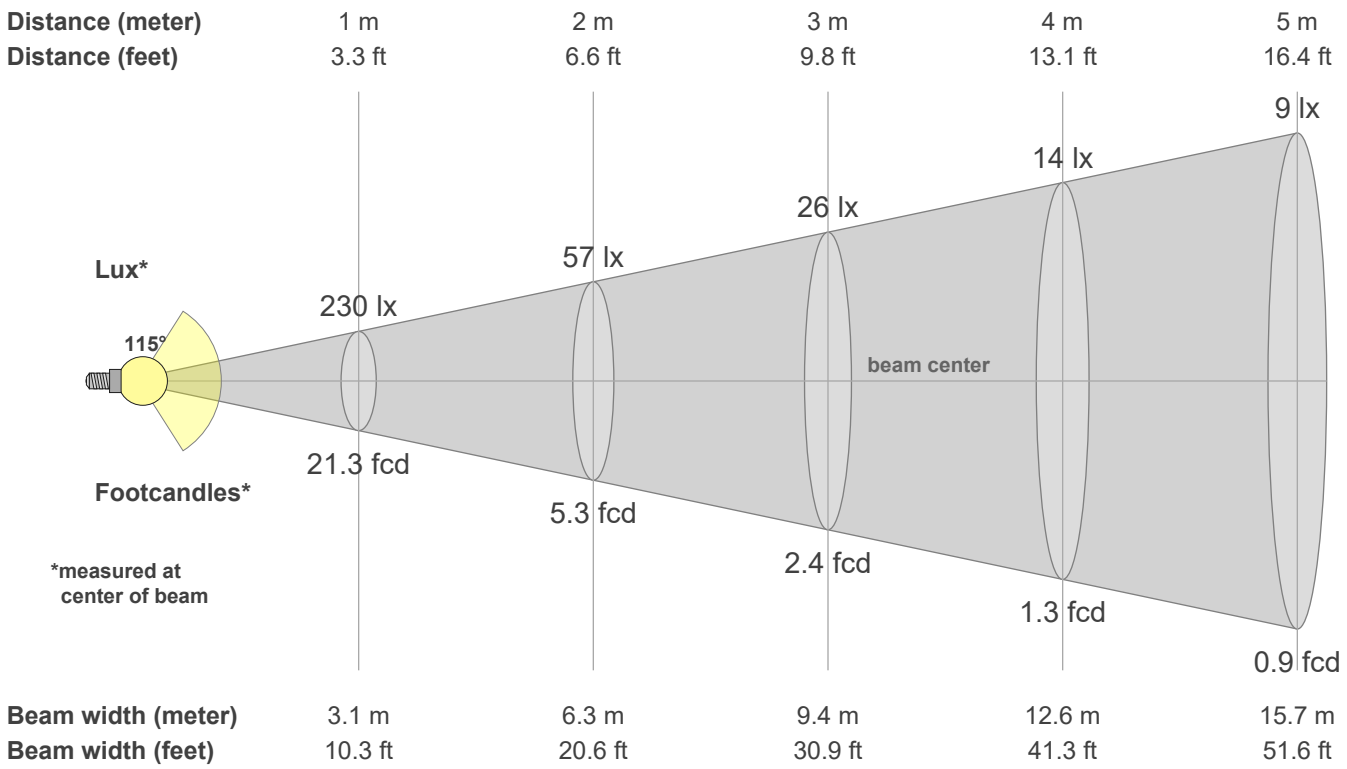
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80.74 | 96.64 | 82.58 | 75.65 | 79.24 | 81.05 | 85.31 | 89.95 | 97.48 | 92.40 | 88.29 | 86.68 | 85.58 | 74.36 | 77.36 |

**CQS: 83.4**




## Color parameters

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Duv |
|---|---|---|---|---|---|---|---|---|---|---|
| 5000 K | 85.0 | 16.6 | 84.7 | 94.1 | 83.4 | 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° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 230 | 239 | 237 | 232 | 226 | 218 | 208 | 198 | 187 | 176 | 164 | 152 | 139 | 125 | 111 | 96 | 82 | 68 | 57 | 42 |
| 100% | 104% | 103% | 101% | 98% | 95% | 91% | 86% | 81% | 77% | 72% | 66% | 60% | 55% | 48% | 42% | 36% | 30% | 25% | 18% |

### 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° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 230 | 187 | 157 | 131 | 110 | 92 | 76 | 63 | 52 | 42 | 34 | 27 | 20 | 15 | 10 | 6 | 3 | 1 | 1 | 1 |
| 100% | 81% | 68% | 57% | 48% | 40% | 33% | 28% | 23% | 18% | 15% | 12% | 9% | 7% | 4% | 3% | 1% | 1% | 0% | 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° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 230 | 238 | 235 | 229 | 222 | 214 | 204 | 194 | 183 | 171 | 158 | 144 | 130 | 114 | 98 | 82 | 65 | 50 | 33 | 21 |
| 100% | 104% | 102% | 100% | 97% | 93% | 89% | 84% | 80% | 74% | 69% | 63% | 57% | 50% | 43% | 36% | 28% | 22% | 15% | 9% |

### 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° |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 230 | 254 | 287 | 320 | 349 | 375 | 396 | 413 | 425 | 434 | 441 | 442 | 439 | 432 | 422 | 412 | 396 | 375 | 344 | 298 |
| 100% | 111% | 125% | 140% | 152% | 163% | 173% | 180% | 185% | 189% | 192% | 192% | 191% | 188% | 184% | 179% | 173% | 163% | 150% | 130% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2.5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|---|---|---|---|---|
| 115.1° | 178.3° | 224.3° | 50.5% | 31.1% |