

Photometric / Colorimetric / Electric Report

Fixture Model:

805-W5-WD-2-40-PR1-8.5-350-FR-P-1-WH-WW-8

Trim Model:

FR-P-1-WH-WW-8

Date:

7/6/2023



Light efficiency:

38 Lumen/Watt

Light quality:

CRI: 97.2

Color temperature:

2830 K

CIE 1931:

**x: 0.447
y: 0.404**

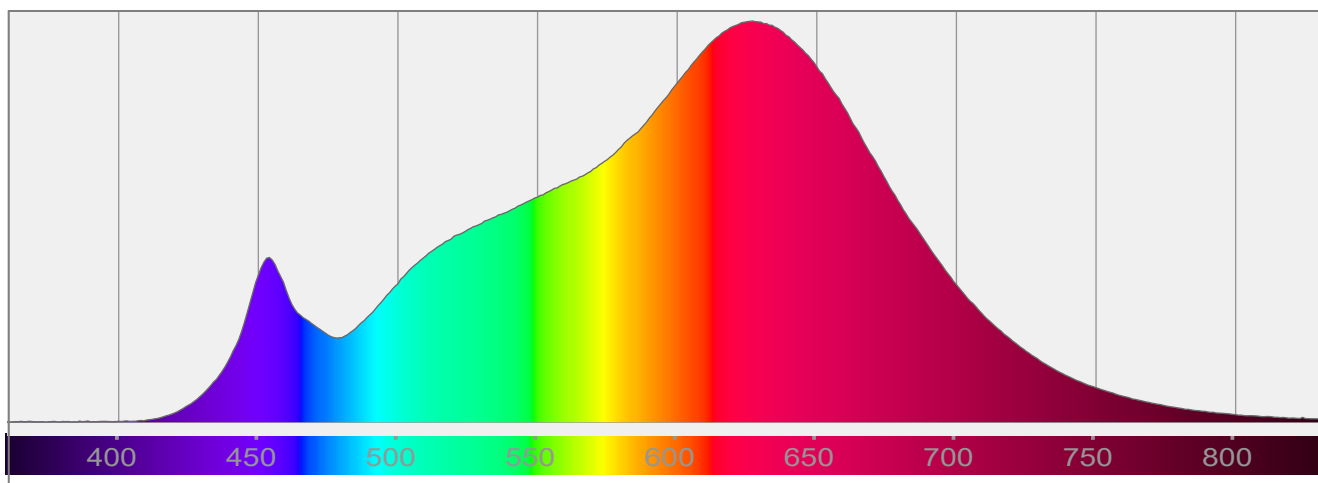
Output: 568 lm

Peak: 404 cd

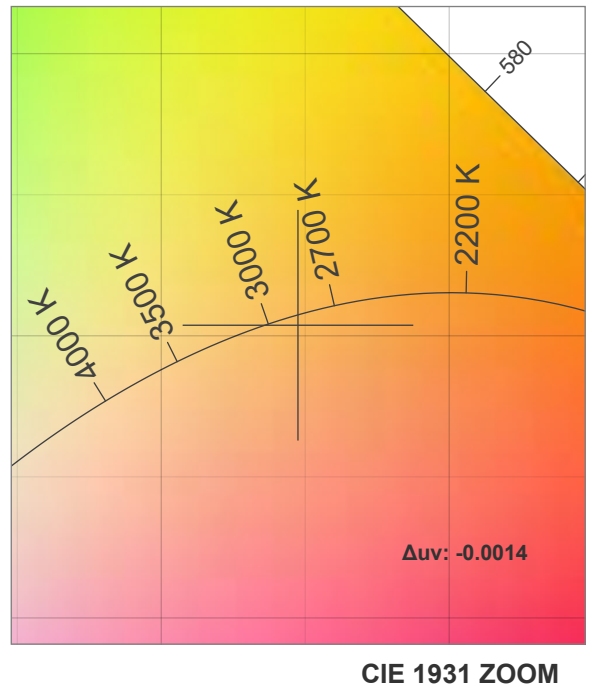
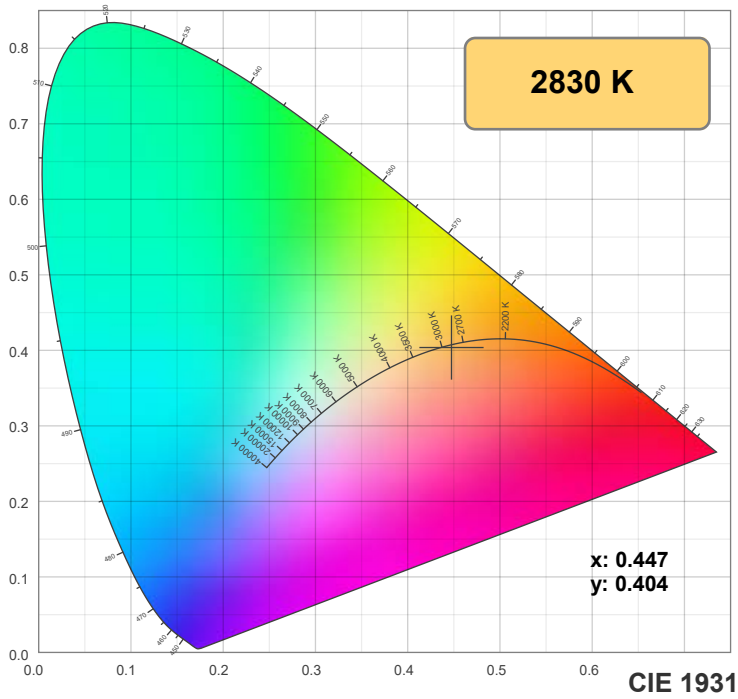
Power: 14.8 W

PF: 0.99

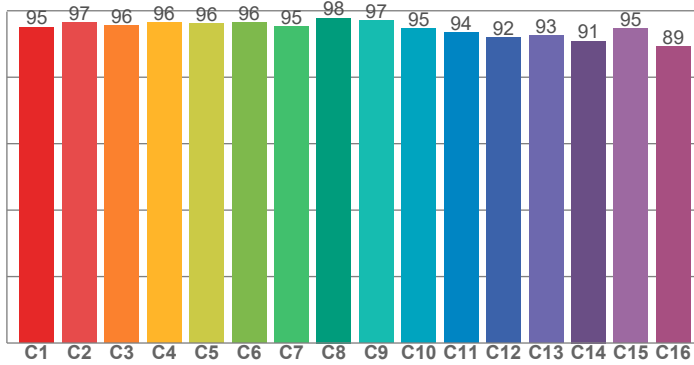
Spectra:



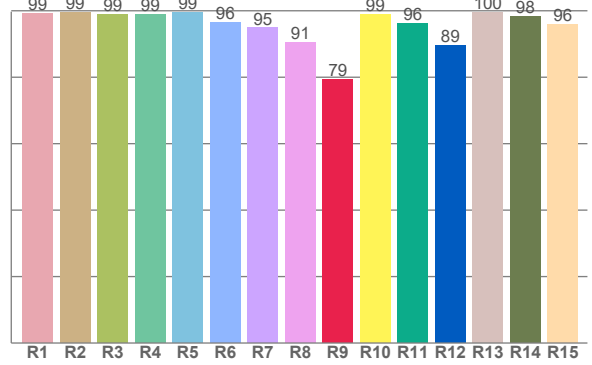
Color Details



TM-30: 94.8



CRI: 97.2 (R1-R8)



CRI R Values:

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 99.2 | 99.4 | 98.9 | 98.9 | 99.4 | 96.4 | 94.8 | 90.6 | 79.4 | 98.9 | 96.3 | 89.5 | 99.6 | 98.4 | 95.9 |

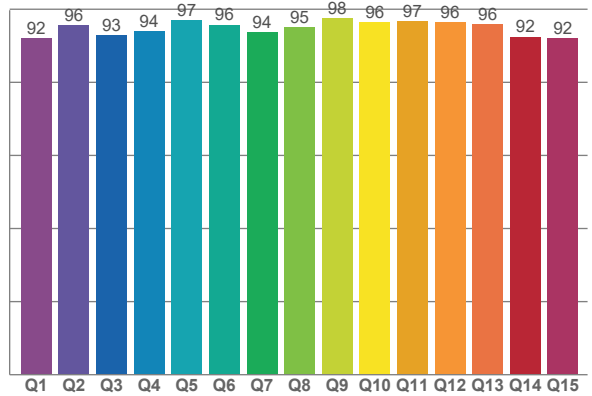
TM30 C Values:

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95.1 | 96.6 | 95.6 | 96.5 | 96.3 | 96.4 | 95.3 | 97.8 | 97.0 | 94.6 | 93.5 | 91.8 | 92.6 | 90.9 | 94.6 | 89.3 |

CQS Q values:

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.0 | 95.7 | 92.9 | 94.0 | 96.9 | 95.8 | 93.8 | 95.1 | 97.6 | 96.4 | 96.7 | 96.4 | 95.8 | 92.5 | 92.2 |

CQS: 94.4



Color Parameters:

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
|--------|------|--------|---------|---------|------|-------|-------|-------|-------|---------|
| 2830 K | 97.2 | 79.4 | 94.8 | 100.8 | 94.4 | 0.447 | 0.404 | 0.258 | 0.349 | -0.0014 |

TM-30 Details

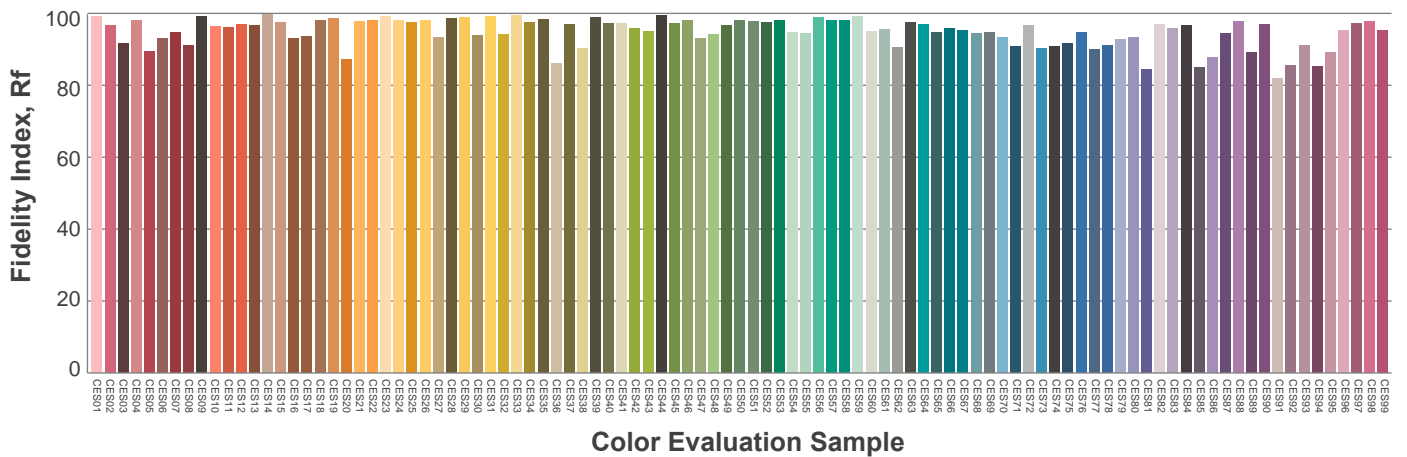
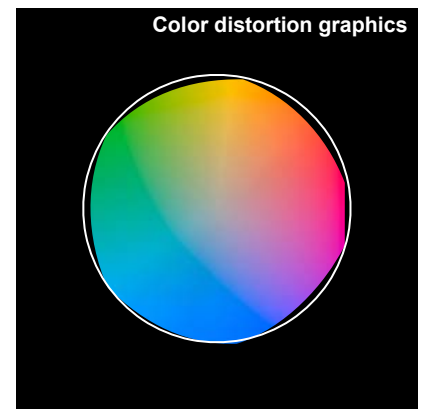
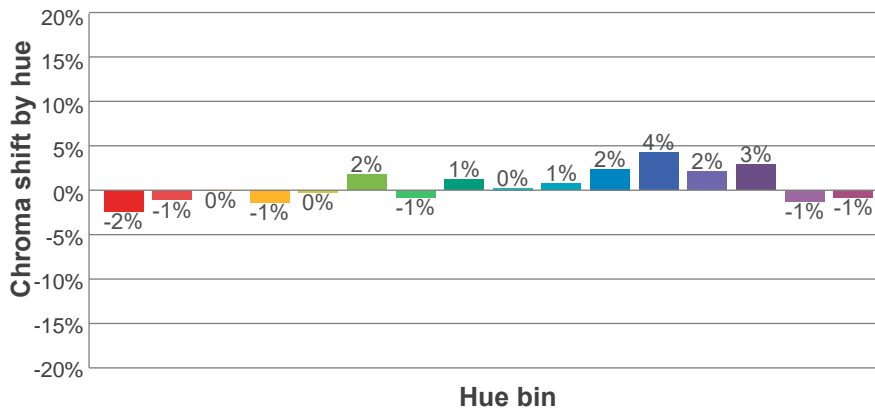
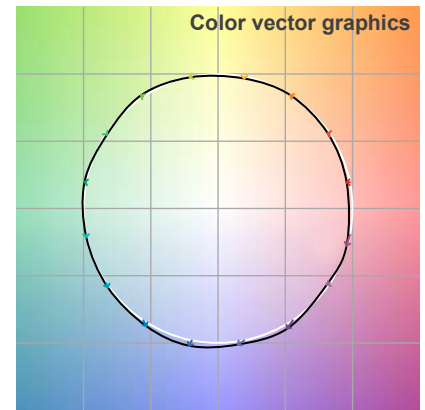
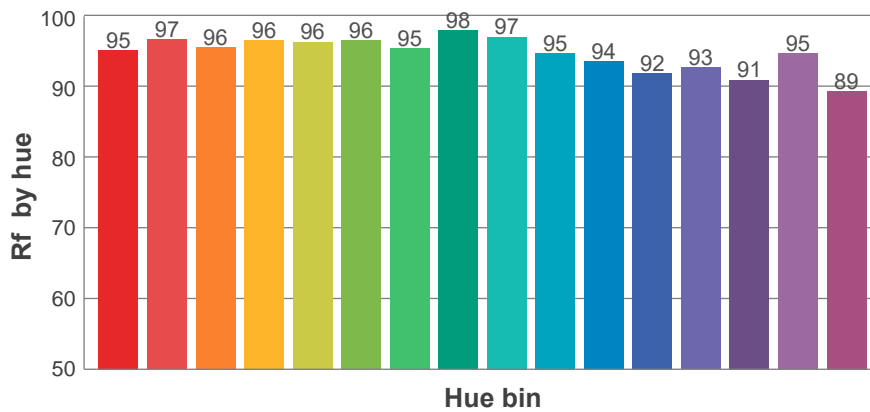
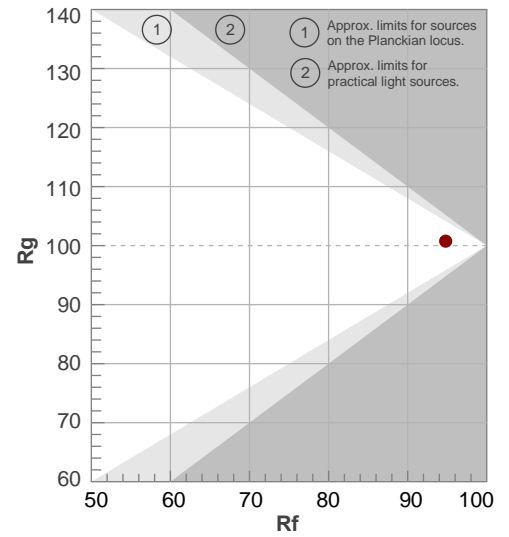
Rf 94.8

Fidelity index Rf

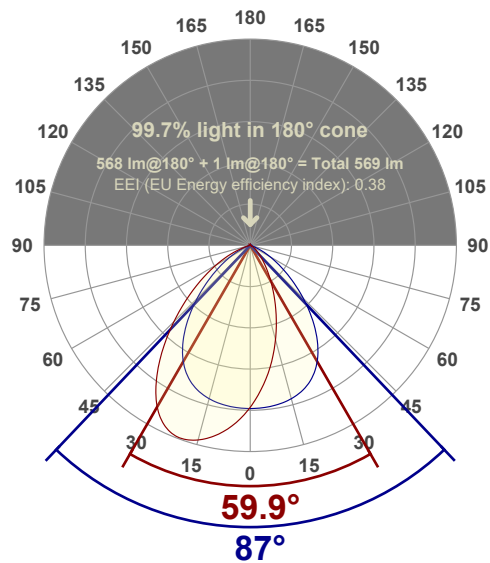
Rg 100.8

Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|-----|
| | | Chroma | Hue |
| 1 | 95 | -2% | 0% |
| 2 | 97 | -1% | 1% |
| 3 | 96 | 0% | 2% |
| 4 | 96 | -1% | 0% |
| 5 | 96 | 0% | 2% |
| 6 | 96 | 2% | 1% |
| 7 | 95 | -1% | 0% |
| 8 | 98 | 1% | 0% |
| 9 | 97 | 0% | 2% |
| 10 | 95 | 1% | 3% |
| 11 | 94 | 2% | 4% |
| 12 | 92 | 4% | -1% |
| 13 | 93 | 2% | -5% |
| 14 | 91 | 3% | -7% |
| 15 | 95 | -1% | -2% |
| 16 | 89 | -1% | -8% |



Angular Distribution Through 0° and 90° Planes



Beam Angle: 87°W x 59.9°L

Beam Details

