

Light efficiency:

162 Lumen/Watt

Light quality:

CRI: 70.5

Color temperature:

6169 K

Output: 25491 lm

Peak: 12114 cd

Power: 157.3 W

PF: 0.96

8 PLANES



Product name:

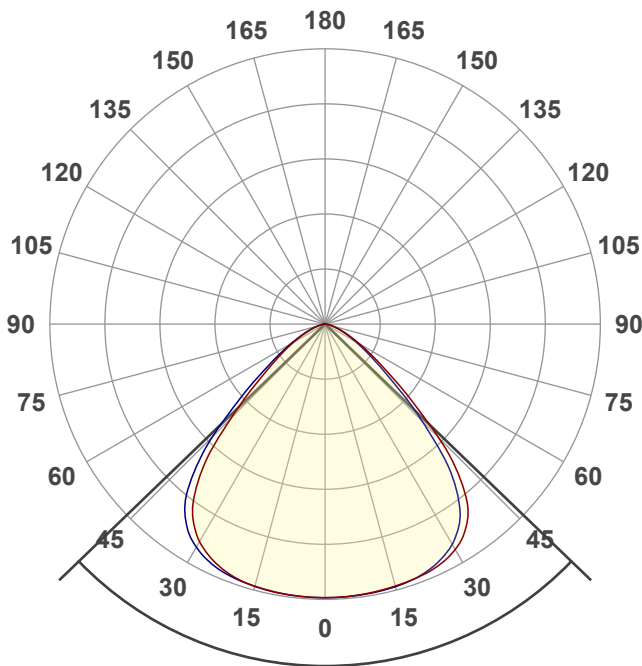
PLUTOHB_160_6000K

Date and time:

6/05/2024 1:39:47 pm

Operator:

HG



Beam angle

92.1°

Color

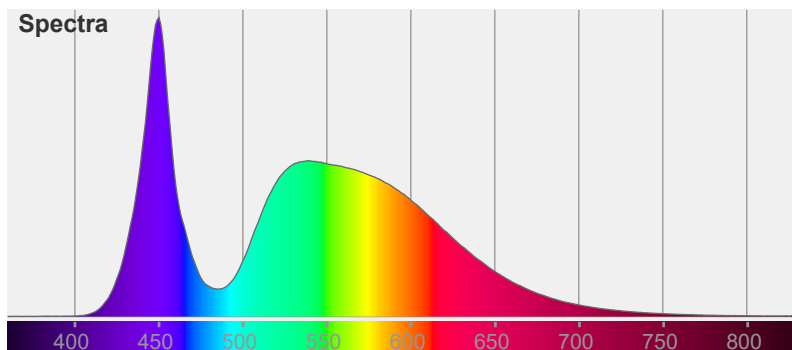


CIE1931

x: 0.318

y: 0.344

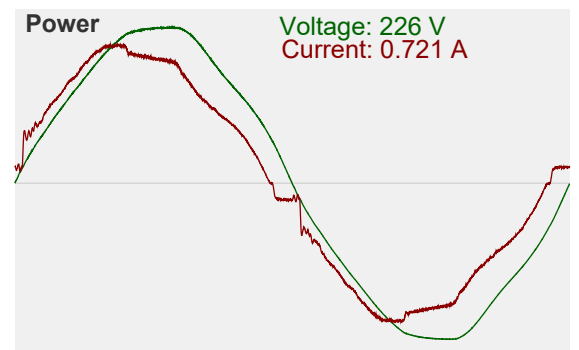
Spectra

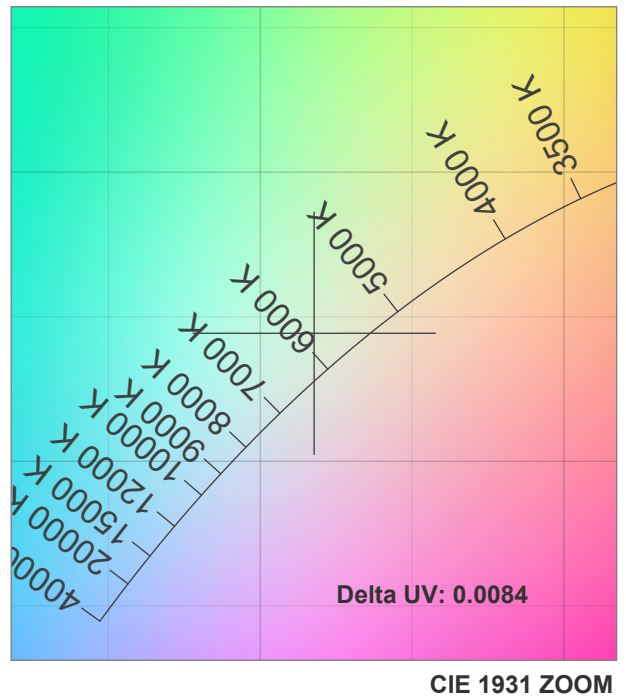
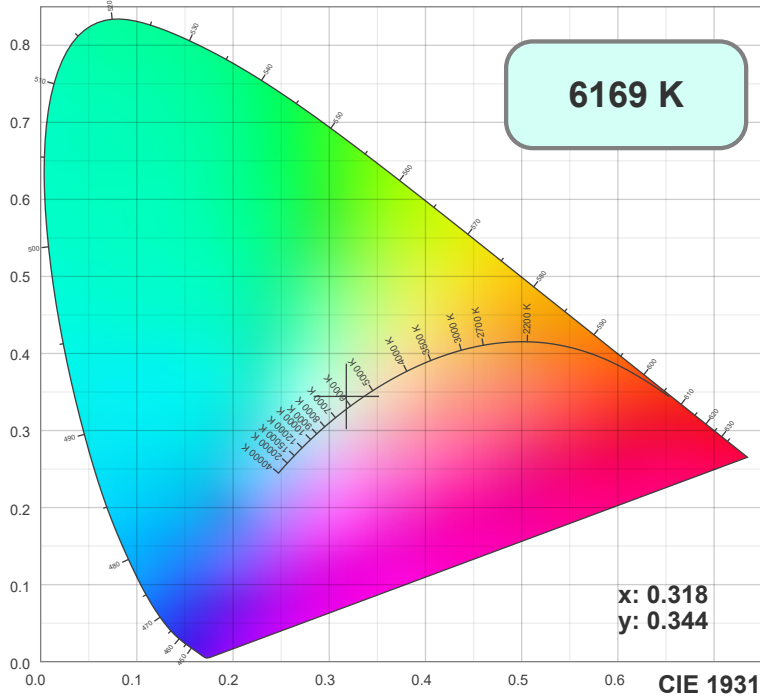


Power

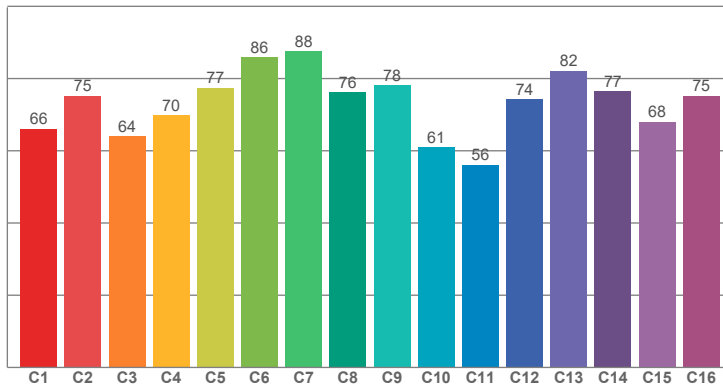
Voltage: 226 V

Current: 0.721 A

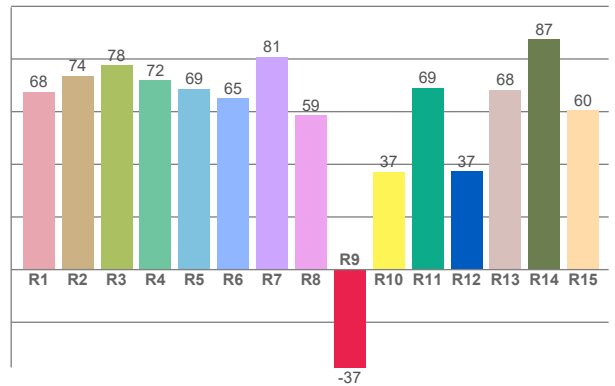




TM30: 72.8



CRI: 70.5 (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 |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| 67.57 | 73.65 | 77.53 | 71.89 | 68.67 | 65.08 | 80.87 | 58.55 | -37.15 | 37.15 | 68.99 | 37.42 | 68.24 | 87.41 | 60.46 |

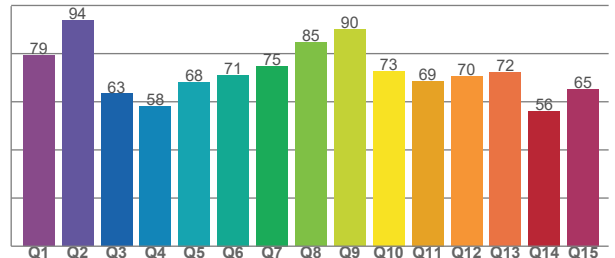
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 66.06 | 75.17 | 64.02 | 69.83 | 77.38 | 85.88 | 87.52 | 76.18 | 78.10 | 60.91 | 56.10 | 74.19 | 82.10 | 76.50 | 68.01 | 75.20 |

CQS Q values

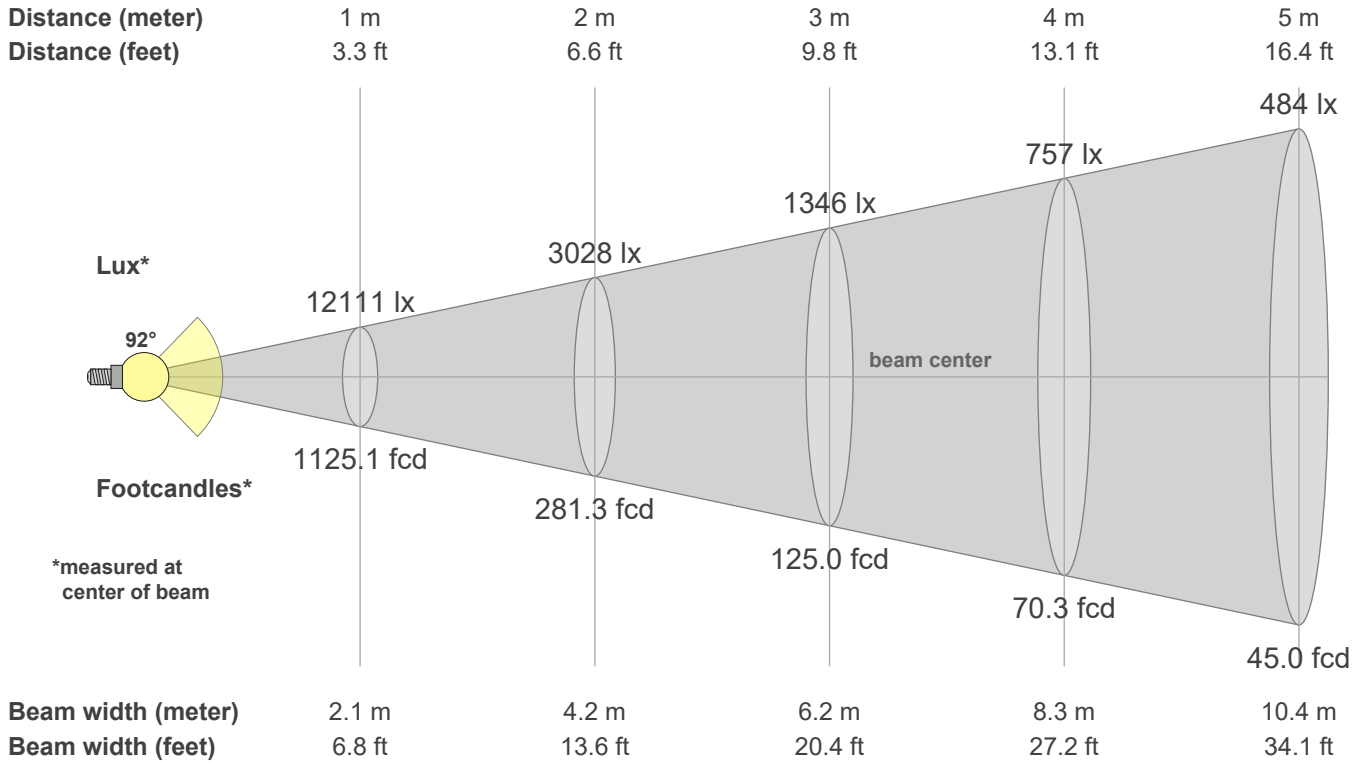
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 79.29 | 93.78 | 63.33 | 58.20 | 68.26 | 71.04 | 74.93 | 84.56 | 90.08 | 72.73 | 68.65 | 70.40 | 72.22 | 56.09 | 65.33 |

CQS: 70.7



Color parameters

| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Duv |
|--------|------|--------|---------|---------|------|-----|-----|-----|-----|--------|
| 6169 K | 70.5 | -37.2 | 72.8 | 93.1 | 70.7 | 0.3 | 0.3 | 0.2 | 0.3 | 0.0052 |



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° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.1K | 12.1K | 12.1K | 12.0K | 11.9K | 11.8K | 11.5K | 10.8K | 9.5K | 7.1K | 4.5K | 2.8K | 1.8K | 1.1K | 0.7K | 0.4K | 0.2K | 0.1K | 0.0K | 0.0K |
| 100% | 100% | 100% | 99% | 99% | 97% | 95% | 89% | 78% | 59% | 37% | 23% | 15% | 9% | 6% | 3% | 2% | 1% | 0% | 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.1K | 12.1K | 12.1K | 12.0K | 11.9K | 11.7K | 11.2K | 10.4K | 8.7K | 6.1K | 3.9K | 2.5K | 1.6K | 1.0K | 0.6K | 0.3K | 0.2K | 0.0K | 0.0K | 0.0K |
| 100% | 100% | 100% | 99% | 98% | 96% | 93% | 86% | 72% | 51% | 32% | 20% | 13% | 8% | 5% | 3% | 1% | 0% | 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.1K | 12.1K | 12.1K | 12.0K | 11.9K | 11.6K | 11.1K | 10.1K | 8.4K | 6.0K | 3.8K | 2.5K | 1.7K | 1.0K | 0.6K | 0.3K | 0.2K | 0.0K | 0.0K | 0.0K |
| 100% | 100% | 100% | 99% | 98% | 96% | 91% | 84% | 70% | 49% | 32% | 21% | 14% | 9% | 5% | 3% | 1% | 0% | 0% | 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.1K | 12.1K | 12.1K | 12.0K | 11.9K | 11.7K | 11.4K | 10.7K | 9.3K | 7.1K | 4.5K | 2.8K | 1.8K | 1.1K | 0.7K | 0.4K | 0.2K | 0.1K | 0.0K | 0.0K |
| 100% | 100% | 100% | 99% | 98% | 97% | 94% | 88% | 77% | 58% | 37% | 23% | 15% | 9% | 5% | 3% | 2% | 1% | 0% | 0% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2.5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 92.1° | 127.1° | 152.3° | 94.0% | 75.9% |