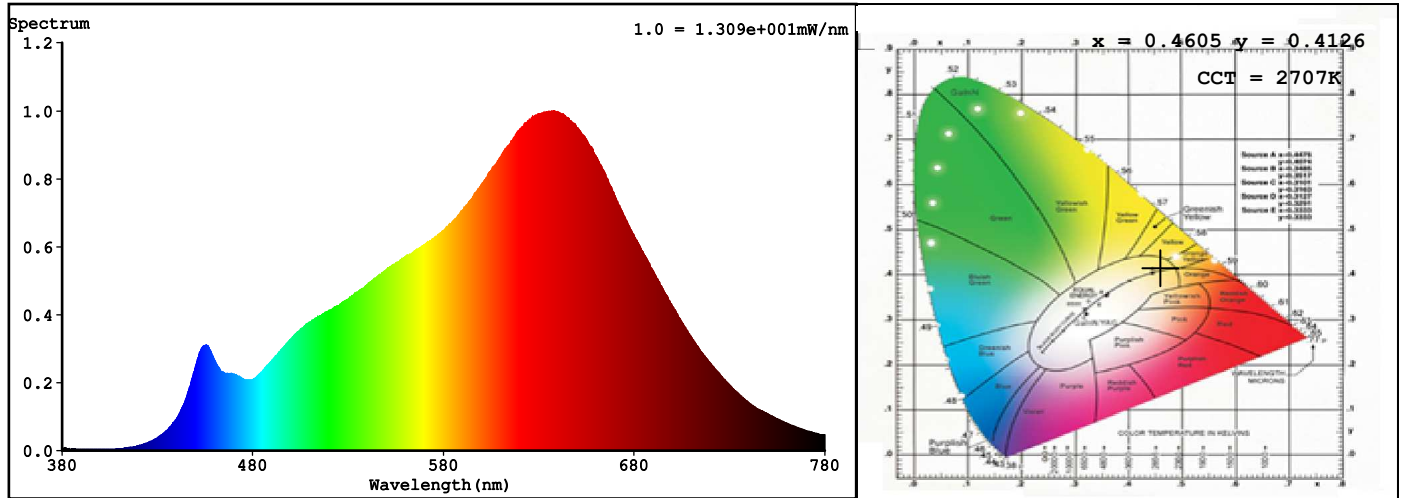


2600K

**Spectrum**



**Colorimetric Parameters**

Chromaticity Coordinate:  $x = 0.4605$   $y = 0.4126$  /  $u' = 0.2620$   $v' = 0.5282$  ( $duv=6.98e-04$ )

CCT= 2707K Prcp WL:  $L_d=583.9nm$  Purity=62.1%

Peak WL:  $L_p=638nm$  FWHM:  $=149.7nm$  Ratio:R=27.1% G=70.1% B=2.8%

Render Index:  $R_a = 97.9$  TM30: $R_f=94$   $R_g=99$

R1 =99 R2 =99 R3 =99 R4 =99 R5 =99 R6 =97 R7 =97

R8 =95 R9 =88 R10=99 R11=97 R12=89 R13=99 R14=99 R15=97

LEVEL:OUT WHITE:ANSI\_2700K

**Photometric & Radiometric Parameters**

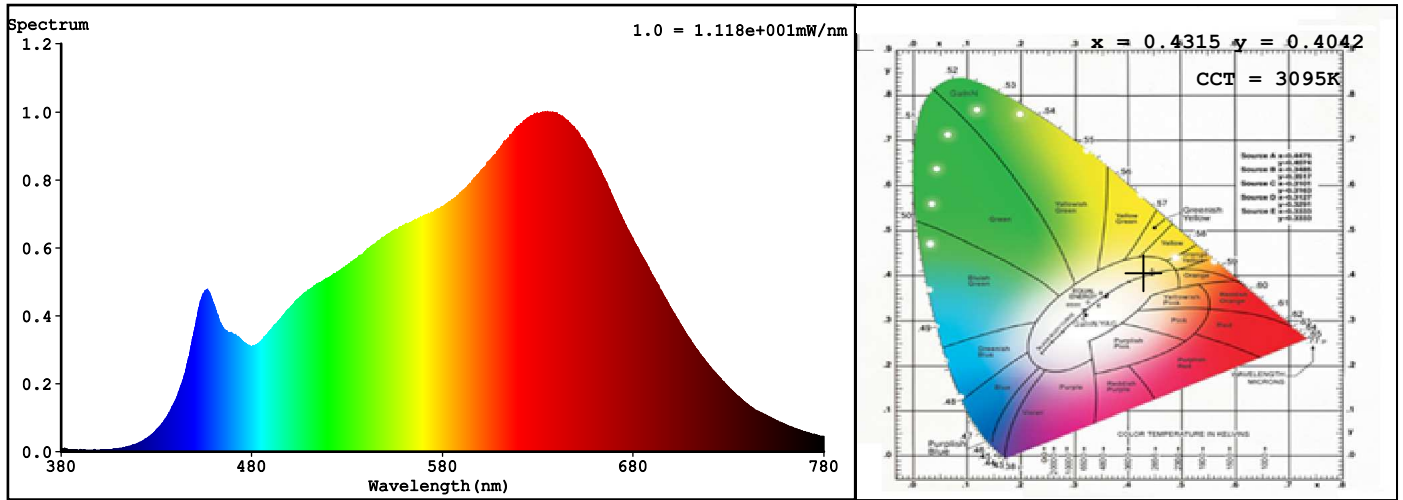
Flux = 558.90 lm Eff. : 53.16 lm/W  $F_e = 2.1472 W$

**Electrical parameters**

V = 24.00 V I = 0.4381 A P = 10.51 W PF = 1.000 F=0.00 Hz

3000K

**Spectrum**



**Colorimetric Parameters**

Chromaticity Coordinate:  $x = 0.4315$   $y = 0.4042$  /  $u' = 0.2470$   $v' = 0.5206$  ( $duv=8.21e-04$ )

CCT= 3095K Prcp WL:  $L_d=582.1nm$  Purity=50.8%

Peak WL:  $L_p=634nm$  FWHM:  $=174.8nm$  Ratio:R=24.4% G=72.2% B=3.5%

Render Index:  $R_a = 97.9$  TM30: $R_f=94$   $R_g=99$

R1 =99 R2 =99 R3 =99 R4 =98 R5 =98 R6 =98 R7 =96

R8 =96 R9 =92 R10=99 R11=99 R12=85 R13=99 R14=99 R15=98

LEVEL:OUT WHITE:ANSI\_3000K

**Photometric & Radiometric Parameters**

Flux = 540.16 lm Eff. : 54.76 lm/W  $F_e = 2.0146 W$

**Electrical parameters**

V = 24.00 V I = 0.4110 A P = 9.863 W PF = 1.000 F=0.00 Hz

3500K

Light efficiency:

**n/a Lumen/Watt**

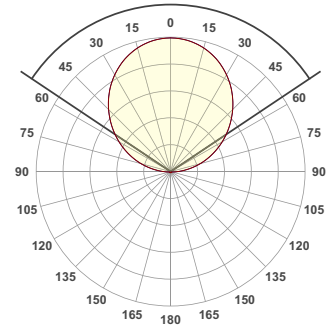
Light quality:

**CRI: 97.5**

Color temperature:

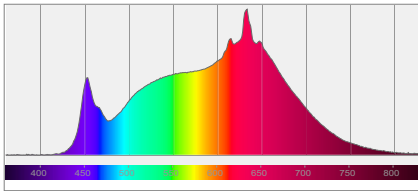
**3303 K**

112.5°

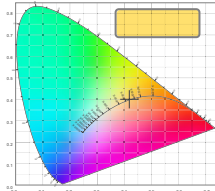


Output: 331 Lumen Power consumption: 0.00

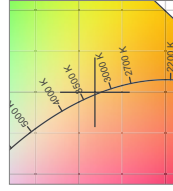
Spectral distribution



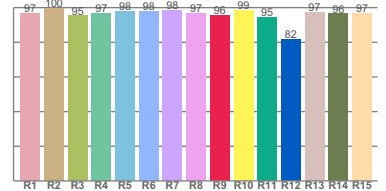
Color coordinates



White color point

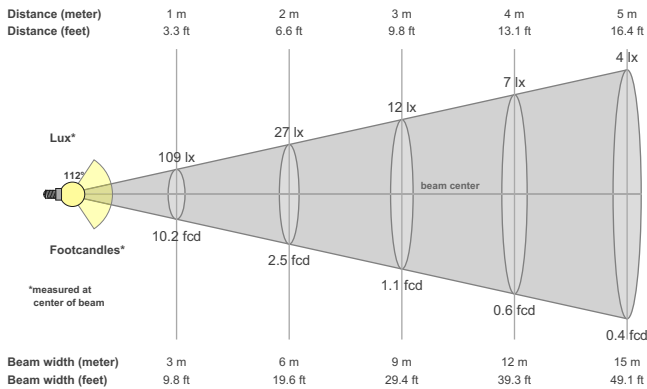


CRI R values



| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | x                         | y                         | u                | v                | Δuv                             |
| 3303 K            | 97.5                  | 95.8          | 93.7           | 100.6       | 95.8                | 0.419                     | 0.400                     | 0.241            | 0.345            | 0.0012                          |

Beam details



Beam angles

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 112.5°         | 169.7°          | 191.1°            |

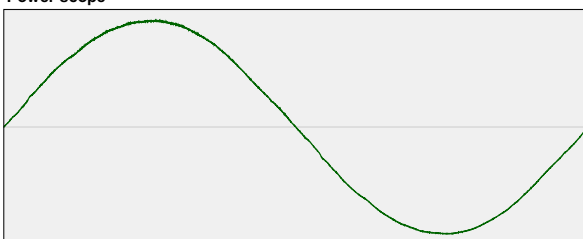
Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 109 cd         | 73.7%                   | 50.1%                  |

Beam intensities from 1-20m

| 1m      | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft   | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 109lx   | 27lx   | 12lx   | 7lx    | 4lx    | 3lx    | 2lx    | 2lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    | 0lx    |
| 10.2fcd | 2.5fcd | 1.1fcd | 0.6fcd | 0.4fcd | 0.3fcd | 0.2fcd | 0.2fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd   |

Power scope

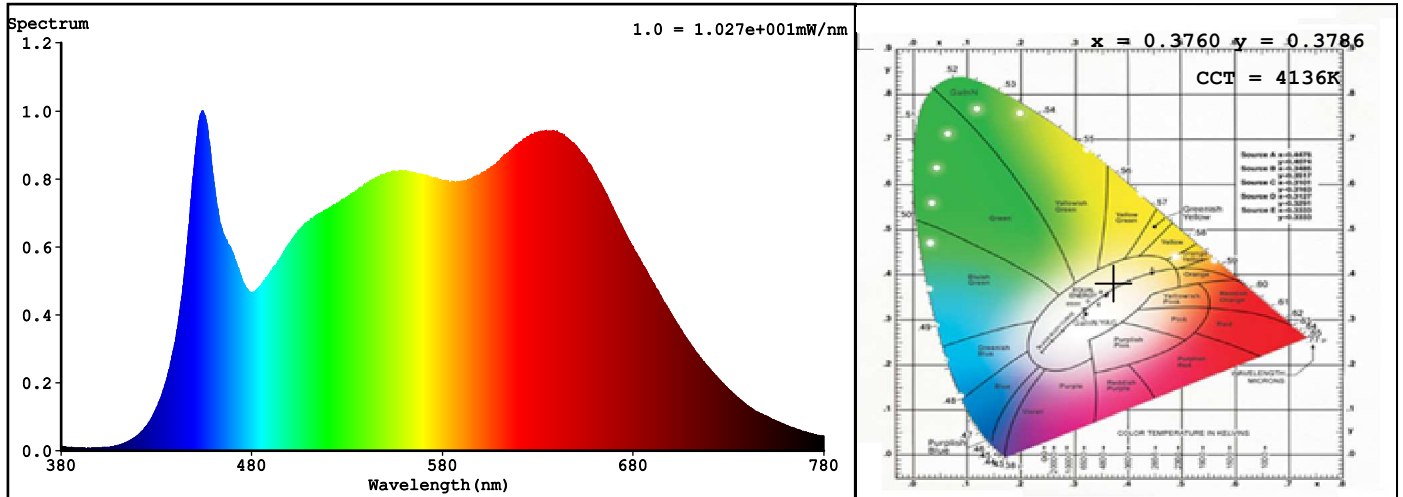


| Power  | Power factor | Power frequency |
|--------|--------------|-----------------|
| 0.00 W | n/a          | {FREQ } Hz      |

| Nominal voltage | Voltage | Current |
|-----------------|---------|---------|
| 230 V           | 111 V   | 0.000 A |

4100K

**Spectrum**



**Colorimetric Parameters**

Chromaticity Coordinate:  $x = 0.3760$   $y = 0.3786$  /  $u' = 0.2215$   $v' = 0.5017$  ( $duv=2.18e-03$ )

CCT= 4136K Prcp WL:  $Ld=577.3\text{nm}$  Purity=26.4%

Peak WL:  $Lp=454\text{nm}$  FWHM:  $=31.0\text{nm}$  Ratio:R=19.8% G=75.5% B=4.8%

Render Index:  $Ra = 97.2$  TM30:Rf=93 Rg=99

R1 =99 R2 =99 R3 =97 R4 =96 R5 =96 R6 =96 R7 =97

R8 =97 R9 =99 R10=96 R11=97 R12=75 R13=98 R14=98 R15=96

LEVEL:OUT WHITE:ANSI\_4000K

**Photometric & Radiometric Parameters**

Flux = 584.36 lm Eff. : 58.92 lm/W Fe = 2.1399 W

**Electrical parameters**

V = 24.00 V I = 0.4133 A P = 9.918 W PF = 1.000 F=0.00 Hz