

Light efficiency:

146 Lumen/Watt

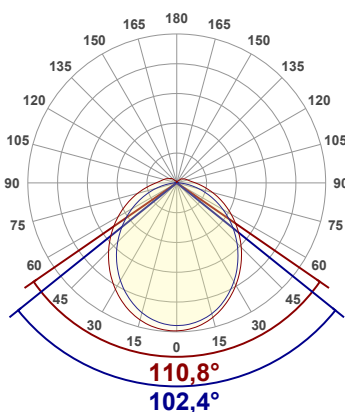
Light quality:

CRI: 93,9

Color temperature:

3038 K

Output: 1461 Lumen



Product name:

FRS99-182-3000K-20Wm-500mm

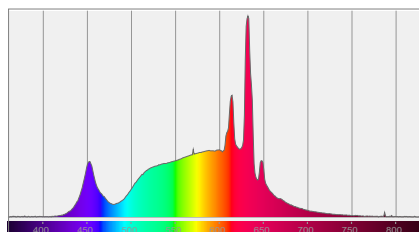
Date and time:

11/12/2024 08:46:54

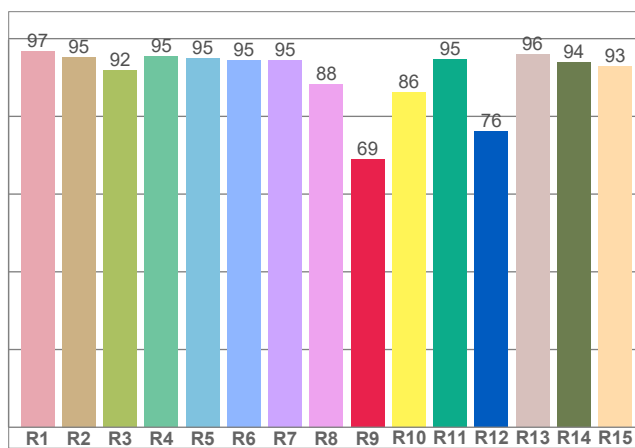
Power consumption:

| Power           | Power factor |
|-----------------|--------------|
| 10,0 W          | 1,0          |
| Voltage ( Vcc ) | Current      |
| 24,0 V          | 0,417 A      |

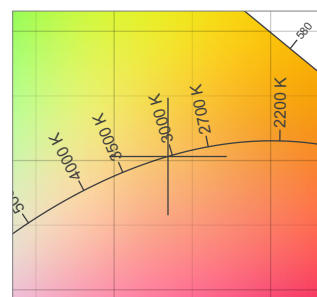
## TM-30 details



Spectral distribution



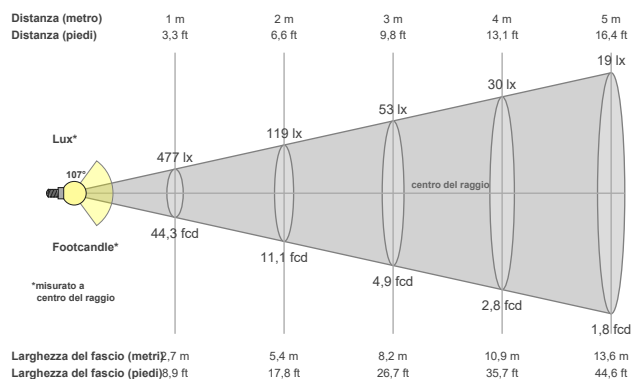
CRI R values



White color point

| 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                | $\Delta uv$                     |
| 3038 K            | 93,9                  | 68,9          | 90,6           | 102,1       | 90,8                | 0,434                     | 0,403                     | 0,249            | 0,347            | -0,0001                         |

## Beam details



## Beam angels

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 107,3°         | 178,7°          | 238,7°            |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 491 cd         | 69,6%                   | 47,9%                  |

## 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 |
| 477lx   | 119lx   | 53lx   | 30lx   | 19lx   | 13lx   | 10lx   | 7lx    | 6lx    | 5lx    | 4lx    | 3lx    | 3lx    | 2lx    | 2lx    | 2lx    | 2lx    | 1lx    | 1lx    | 1lx    |
| 44,3fcd | 11,1fcd | 4,9fcd | 2,8fcd | 1,8fcd | 1,2fcd | 0,9fcd | 0,7fcd | 0,5fcd | 0,4fcd | 0,4fcd | 0,3fcd | 0,3fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,1fcd | 0,1fcd | 0,1fcd |