

Light efficiency:

138 Lumen/Watt

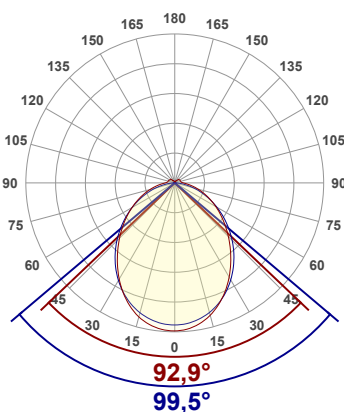
Light quality:

CRI: 93,8

Color temperature:

3019 K

Output: 1076 Lumen



Product name:

**AIKO8 FRS-182-3000K-15,7Wm-500mm**

Date and time:

05/05/2025 15:51:10

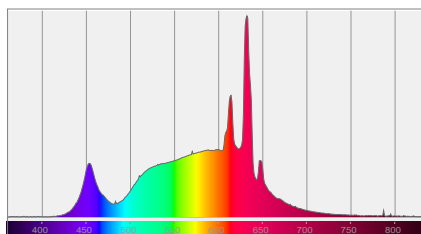
Power consumption:

| Power           | Power factor |
|-----------------|--------------|
| 7,8 W           | 1,0          |
| Voltage ( Vcc ) | Current      |
| 24,0 V          | 0,325 A      |

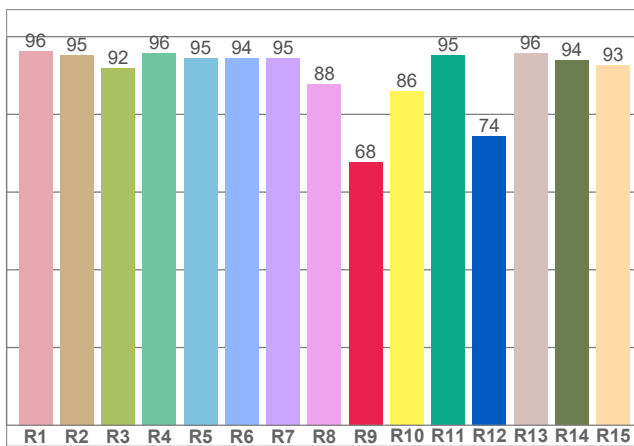
## TM-30 details

Rf 90,4  
Fidelity index Rf

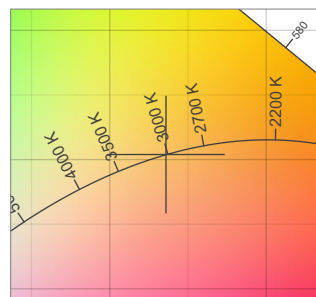
Rg 101,5  
Gamut index Rg



Spectral distribution



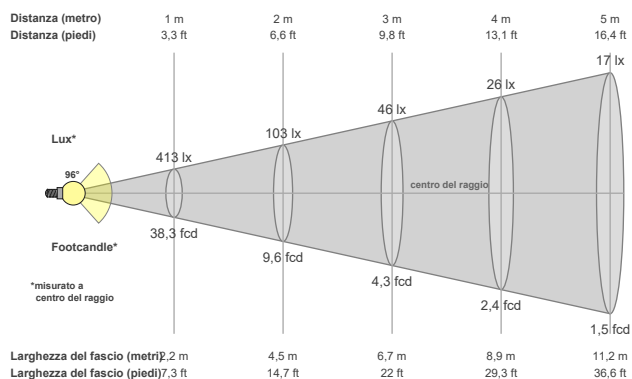
CRI R values



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                | Δuv                             |
| 3019 K            | 93,8                  | 67,8          | 90,4           | 101,5       | 90,6                | 0,436                     | 0,404                     | 0,250            | 0,347            | 0,0001                          |

## Beam details



## Beam angles

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 96,3°          | 162°            | 224,6°            |

## Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 425 cd         | 75,1%                   | 53,3%                  |

## 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 |
| 413lx   | 103lx  | 46lx   | 26lx   | 17lx   | 11lx   | 8lx    | 6lx    | 5lx    | 4lx    | 3lx    | 3lx    | 2lx    | 2lx    | 2lx    | 2lx    | 1lx    | 1lx    | 1lx    | 1lx    |
| 38,3fcd | 9,6fcd | 4,3fcd | 2,4fcd | 1,5fcd | 1,1fcd | 0,8fcd | 0,6fcd | 0,5fcd | 0,4fcd | 0,3fcd | 0,3fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,2fcd | 0,1fcd | 0,1fcd | 0,1fcd | 0,1fcd |