

**Light efficiency:**

## 95 Lumen/Watt

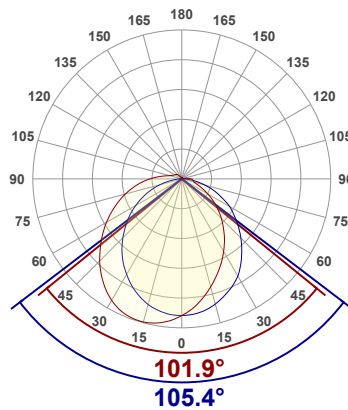
**Light quality:**

**CRI: 94.6**

**Color temperature:**

**3050 K**

**Output: 456 Lumen**



**Product name:**

**KOBE-144-3000K-10Wm-OP30-500mm**

**Date and time:**

08/01/2026 08:24:14

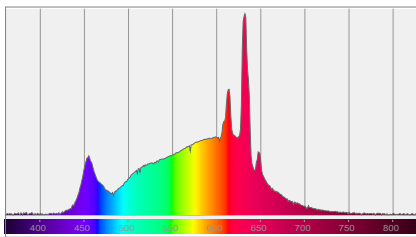
**Power consumption:**

|                        |                     |
|------------------------|---------------------|
| <b>Power</b>           | <b>Power factor</b> |
| <b>4.8 W</b>           | <b>1.0</b>          |
| <b>Voltage ( Vcc )</b> | <b>Current</b>      |
| <b>24.0 V</b>          | <b>0.201 A</b>      |

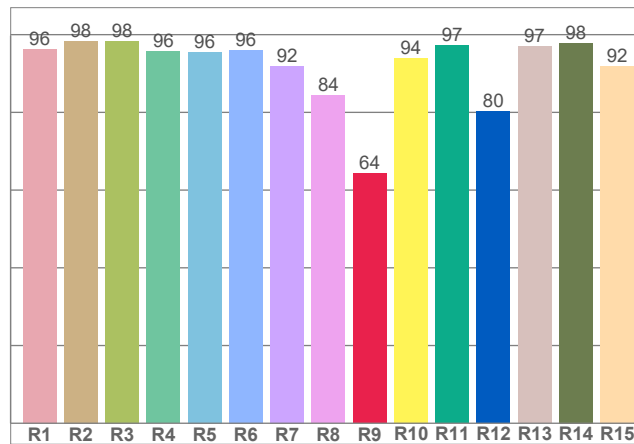
## TM-30 details

**Rf 91.0**  
Fidelity  
index Rf

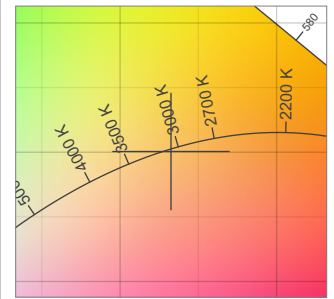
**Rg 98.8**  
Gamut  
index Rg



### Spectral distribution



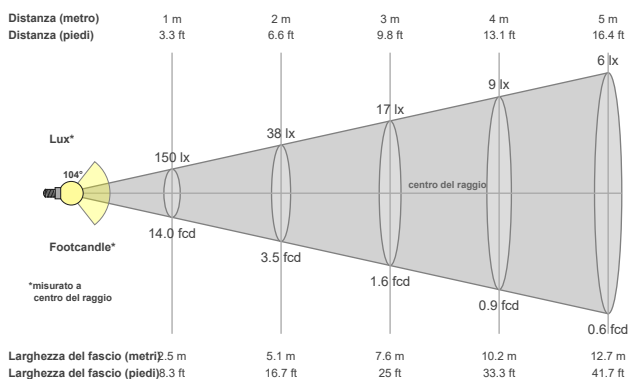
### CRI R values



### White color point

| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate<br>cie 1931 | Color coordinate<br>cie 1931 | Color coordinate | Color coordinate | Color diviation<br>from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|------------------------------|------------------------------|------------------|------------------|------------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | x                            | y                            | u                | v                | Δuv                                |
| 3050 K            | 94.6                  | 64.3          | 91.0           | 98.8        | 91.7                | 0.433                        | 0.401                        | 0.249            | 0.346            | -0.0008                            |

### Beam details



### Beam angles

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% |
|----------------|-----------------|-------------------|
| 103.6°         | 168.2°          | 217.5°            |

### Beam intensities

| Peak intensity | Int. ratio in 120° cone | Int. ratio in 90° cone |
|----------------|-------------------------|------------------------|
| 163 cd         | 70.7%                   | 48.7%                  |

### 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 |
| 150lx | 38lx   | 17lx   | 9lx    | 6lx    | 4lx    | 3lx    | 2lx    | 2lx    | 2lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 1lx    | 0lx    | 0lx    | 0lx    |
| 14fcd | 3.5fcd | 1.6fcd | 0.9fcd | 0.6fcd | 0.4fcd | 0.3fcd | 0.2fcd | 0.2fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0.1fcd | 0fcd   | 0fcd   | 0fcd   | 0fcd   |