

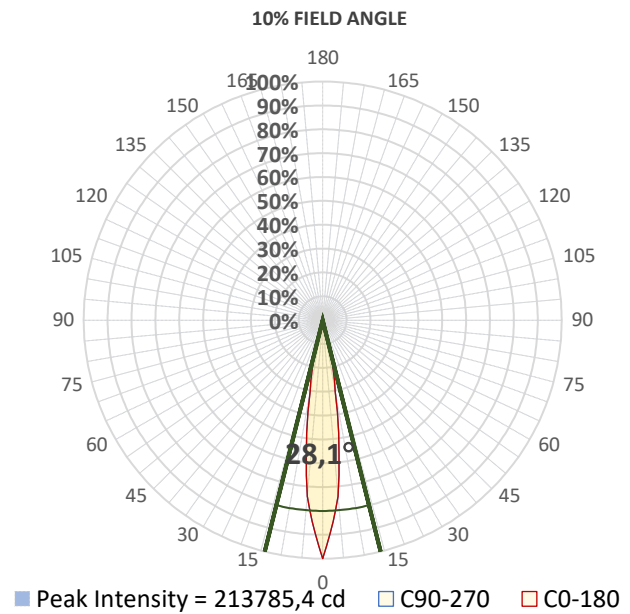
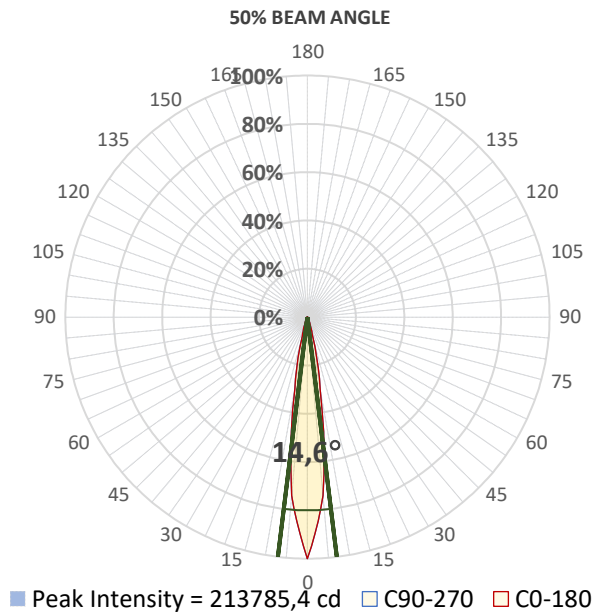
Report Summary



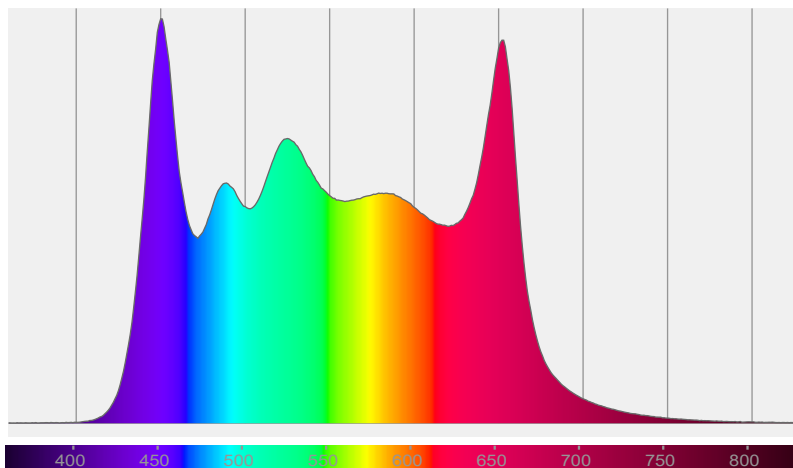
Measurements

| Photometrical Parameter              | Optical Parameters         | Electrical Parameters    |
|--------------------------------------|----------------------------|--------------------------|
| Fixture Output: 22835 lm / 213785 cd | Beam Angle (50%): 14,6°    | AC Supply: 220 V / 50 Hz |
| Fixture Efficiency: 28 lm/W          | Field Angle (10%): 28,1°   | Power: 805,1 W           |
| Intensity @ 5m: 8551 lx              | Cutoff Angle (2,5%): 42,1° | Current: 3,74 A          |
| Color Temperature: 5608 K            |                            | Power Factor: 0,98       |
| CRI: 97,4                            |                            |                          |
| CRI R9 Value: 82,4                   |                            |                          |
| CQS: 97,4                            |                            |                          |
| TLCI: 99                             |                            |                          |
| TM-30 Rf: 94,6                       |                            |                          |
| TM-30 Rg: 101,2                      |                            |                          |

## Details



## Spectral Distribution



CIE 1931

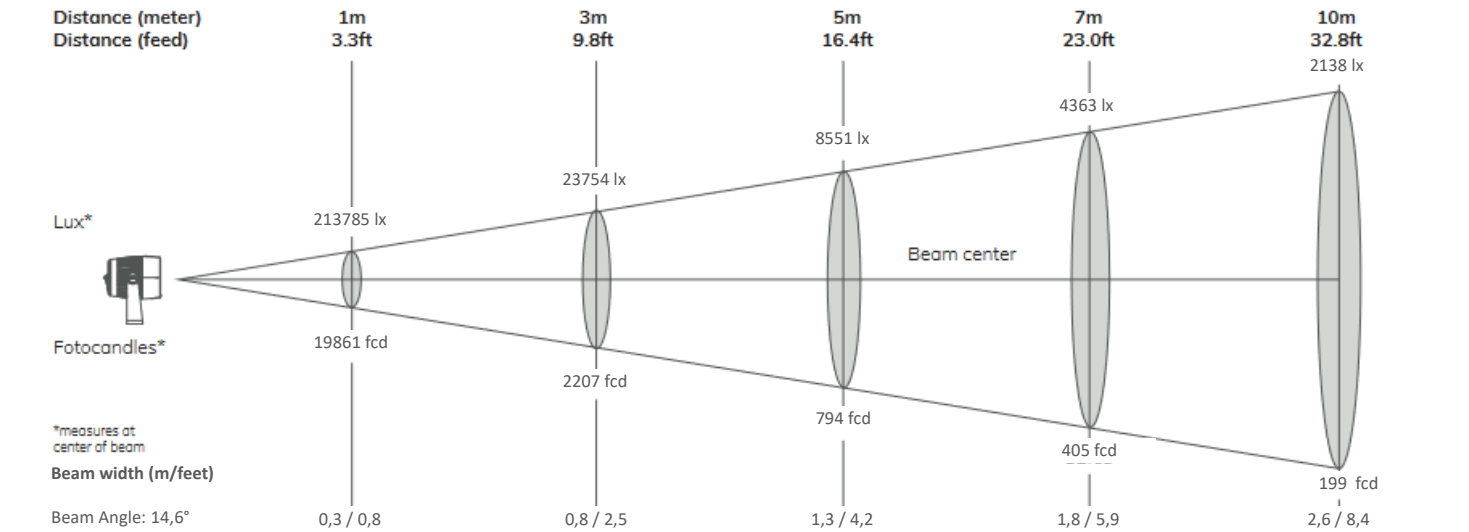
x: 0,330 y: 0,347

Light Quality

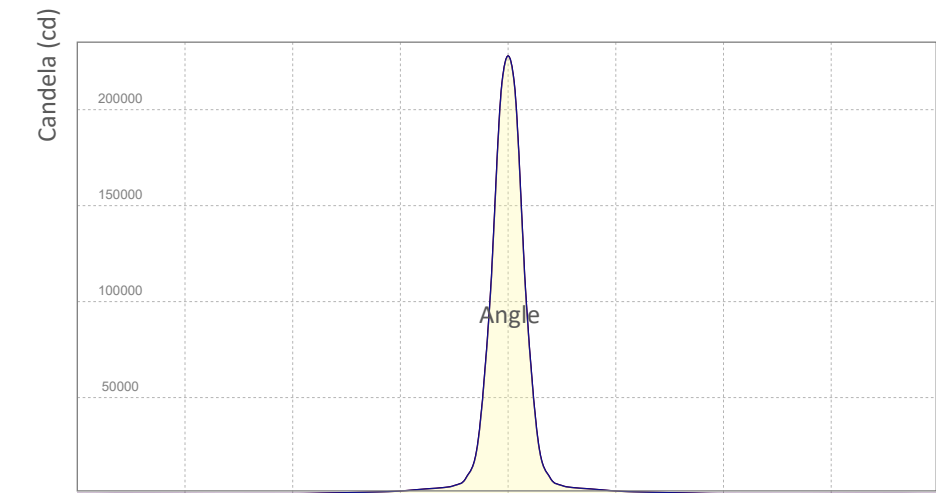
CRI: 97,4

Color Temperature

5608 K



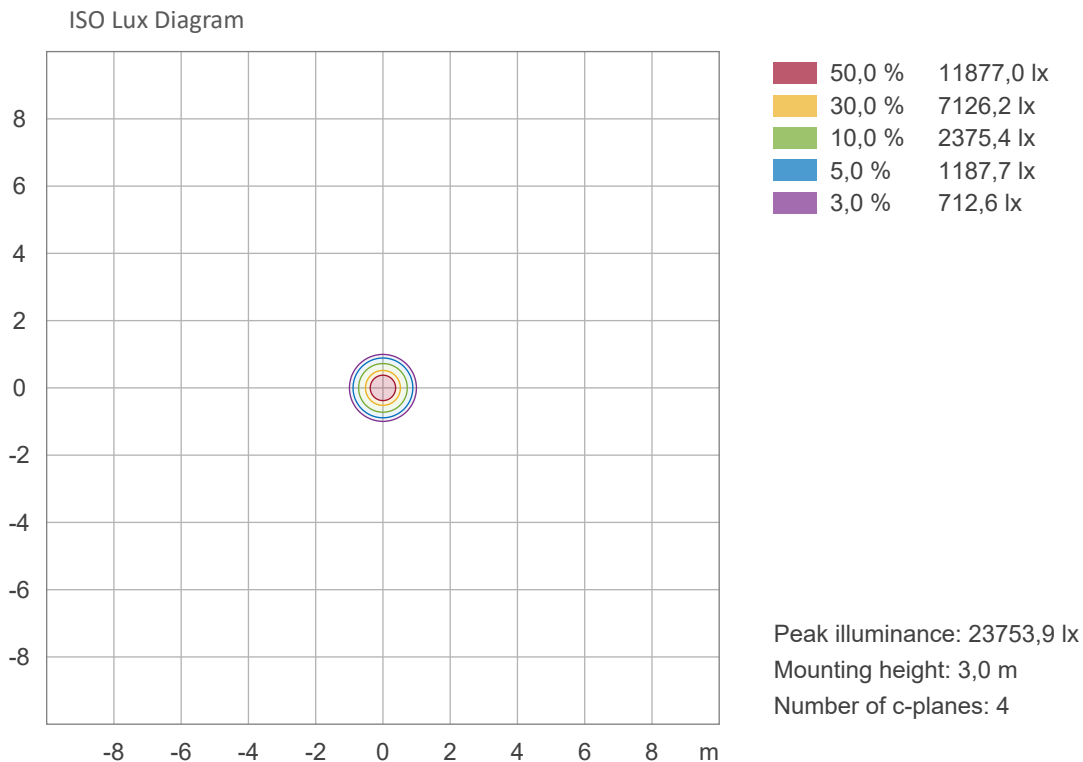
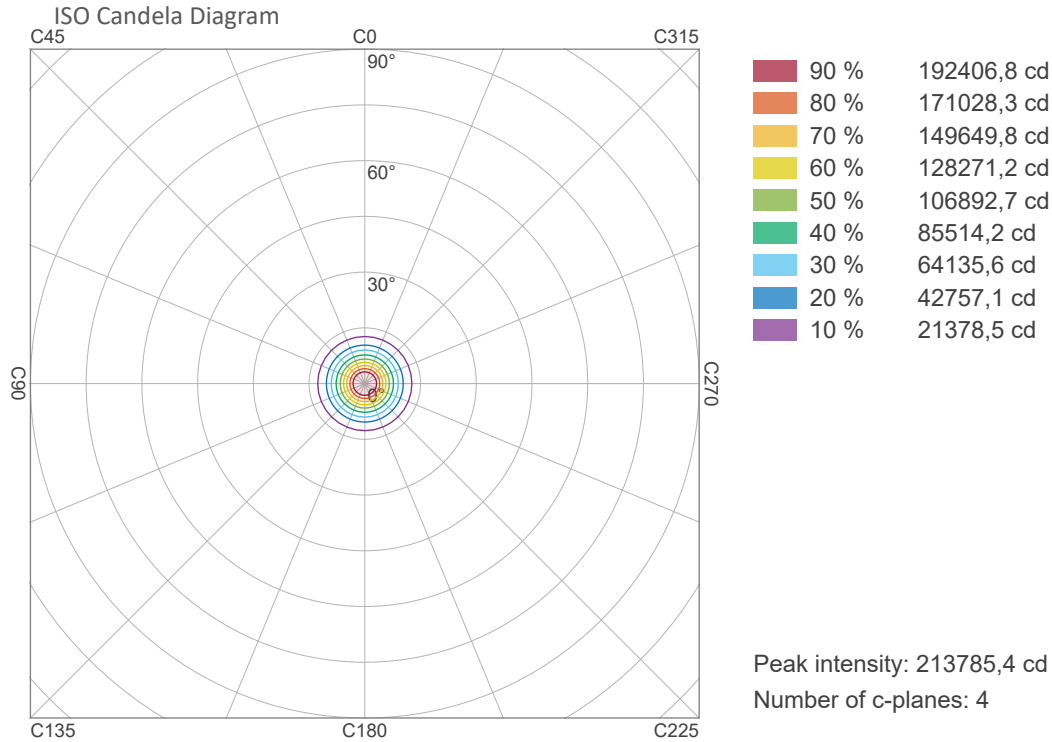
| Angle                | Distance             |                    |                      |                    |                      |                    |                      |                    |                      |                    |
|----------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|
|                      | 1m / 3.3ft           |                    | 3m / 9.8ft           |                    | 5m / 16.4ft          |                    | 7m / 23ft            |                    | 10m / 32.8ft         |                    |
|                      | Lux Center<br>lx/fcd | Diameter<br>m/feet | Lux Center<br>lx/fcd | Diameter<br>m/feet | Lux Center<br>lx/fcd | Diameter<br>m/feet | Lux Center<br>lx/fcd | Diameter<br>m/feet | Lux Center<br>lx/fcd | Diameter<br>m/feet |
| Beam Angle:<br>14,6° | 213785/<br>19861     | 0,3/0,8            | 23754/<br>2207       | 0,8/2,5            | 8551/<br>794         | 1,3/4,2            | 4363/<br>405         | 1,8/5,9            | 2138/<br>199         | 2,6/8,4            |



Candela Plot

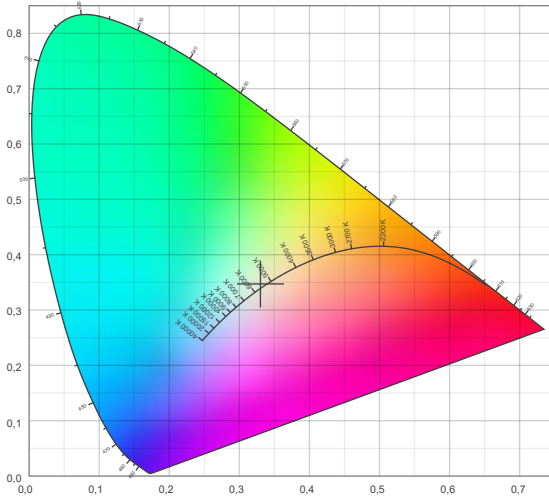
Vertical Distribution  
Horizontal Distribution

## ISO Diagrams

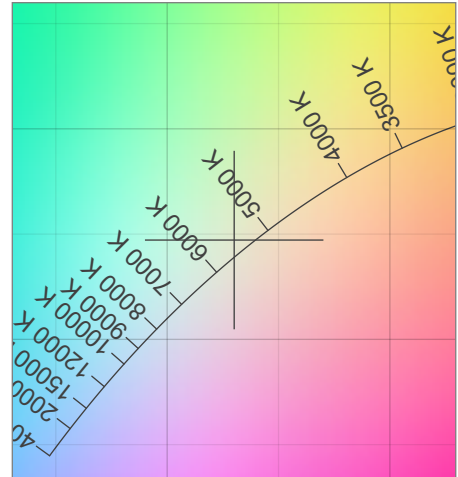


## Chromaticity

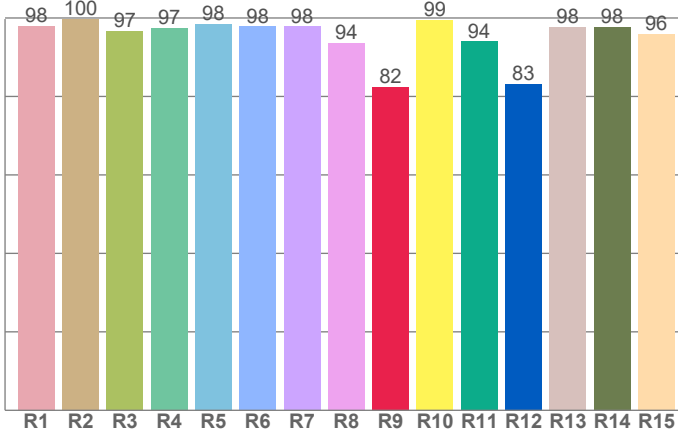
CIE 1931



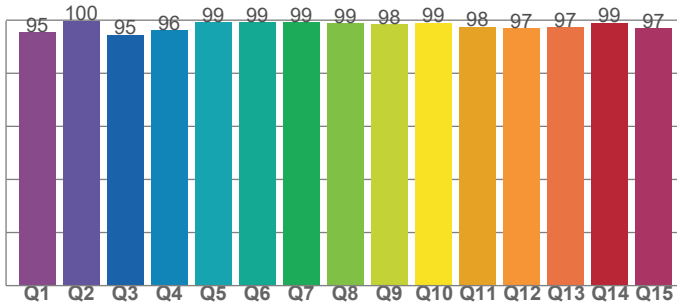
CIE 1931 - Zoom



CRI: 97,4 (R1-R8)



CQS: 97,4



| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 5608K             | 0,330                     | 0,347                     |

| Color Deviation Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|----------------------------------|---------------------------|---------------------------|
| $\Delta uv$                      | u                         | v                         |
| 0,0042                           | 0,203                     | 0,320                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI – R9      | CQS                 |
| 97,4                  | 82,4          | 97,4                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 – Rf      | TM30 - Rg   |
| 99                                    | 94,6           | 101,2       |

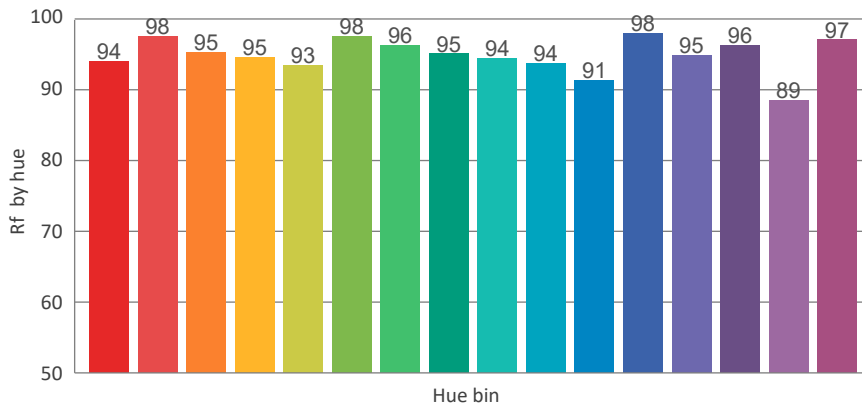
## TM30 Details

**Rf 94,6**

Fidelity Index Rf

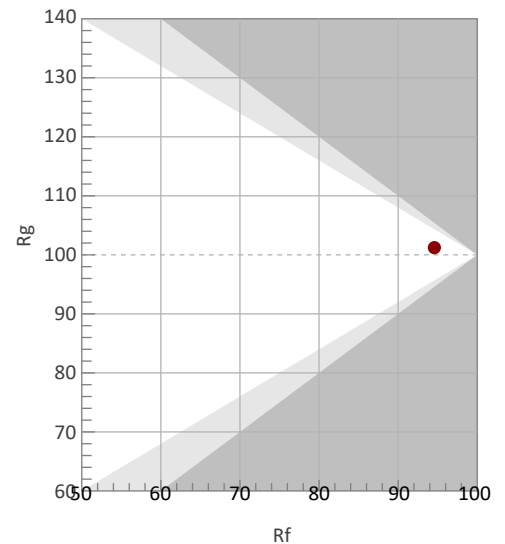
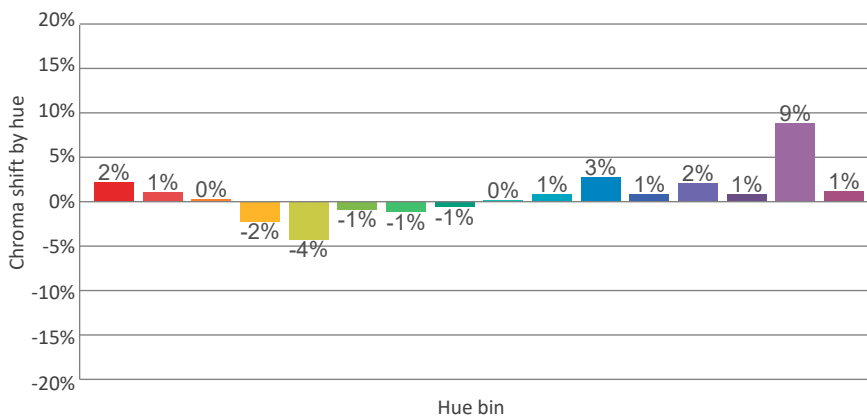
**Rg 101,2**

Gamut Index Rg

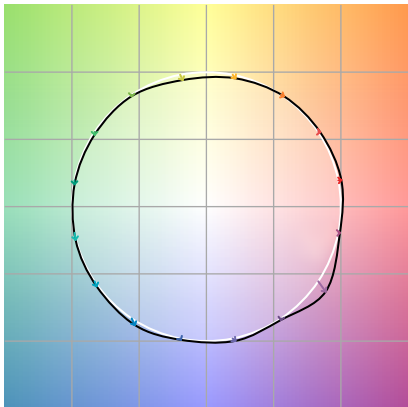


|         |    | Shifts (%) |     |
|---------|----|------------|-----|
| Hue Bin | Rf | Chroma     | Hue |
| 1       |    | %          | %   |
| 2       |    | %          | %   |
| 3       |    | %          | %   |
| 4       |    | %          | %   |
| 5       |    | %          | %   |
| 6       |    | %          | %   |
| 7       |    | %          | %   |
| 8       |    | %          | %   |
| 9       |    | %          | %   |
| 10      |    | %          | %   |
| 11      |    | %          | %   |
| 12      |    | %          | %   |
| 13      |    | %          | %   |
| 14      |    | %          | %   |
| 15      |    | %          | %   |
| 16      |    | %          | %   |

TM30\_BIN\_VALUES\_END)



Color Vector Graphics



Color Distortion Graphics



Color Evaluation Sample

