



# EURUS TC

PHOTOMETRY



**AYRTON**  
Digital Lighting





|                   |   |
|-------------------|---|
| <b>Total Flux</b> | 25518 lm (@zoom 128, integrating sphere measurement, Fan mode auto) |
|-------------------|---|

|                       |                   |
|-----------------------|-------------------|
| <b>CCT @LED engin</b> | 7000 (±500K)      |
| <b>CCT @open</b>      | 6200 (±500K)      |
| <b>Ra @open</b>       | 90 (±2)           |
| <b>TLCI</b>           | 88                |
| <b>TM-30</b>          | Rf: 86.8 Rg: 94.2 |

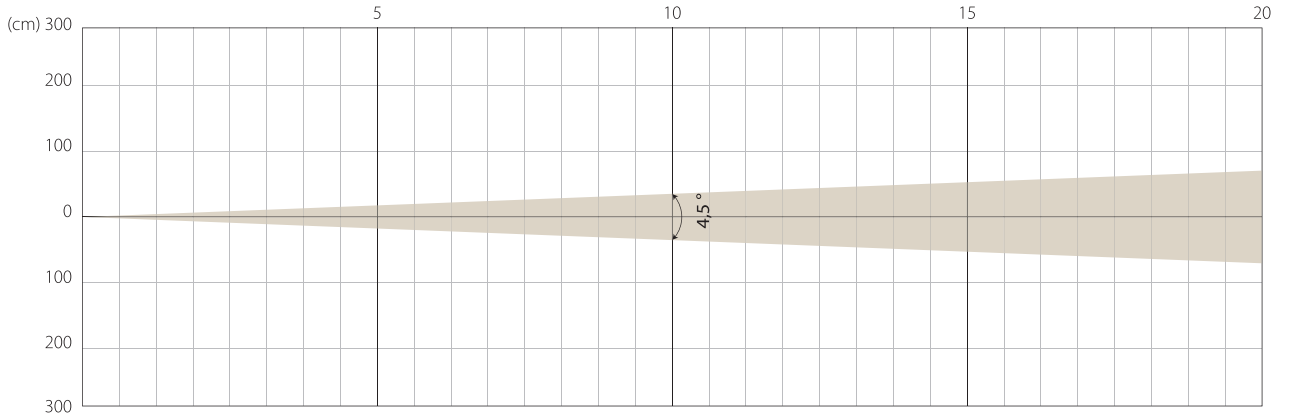
| <b>Fan Mode</b>      | <b>Noise Level (dBA)</b> | <b>by Goniometer (lm)</b> | <b>by Sphere (lm)</b> |
|----------------------|--------------------------|---------------------------|-----------------------|
| <b>Auto</b>          | 45,6                     | 18300                     | 24614                 |
| <b>Stage</b>         | 49,5                     | 18230                     | 25518                 |
| <b>Silence</b>       | 39,7                     | 13316                     | 17394                 |
| <b>Super Silence</b> | 34,3                     | 8118                      | 10274                 |

Note: noise measured @1m distance, static status, ambient 31 dBA.

|                                   |                    |         |
|-----------------------------------|--------------------|---------|
| <b>Voltage / Power</b>            | 100-240V, 50-60Hz  | 1000 W  |
| <b>Fixture Dimension / Weight</b> | 445 x 743 x 273 mm | 32.9 kg |
| <b>Packing Dimension / Weight</b> | 660 x 675 x 560 mm | 50.5 kg |

MIN ZOOM

## Beam Opening

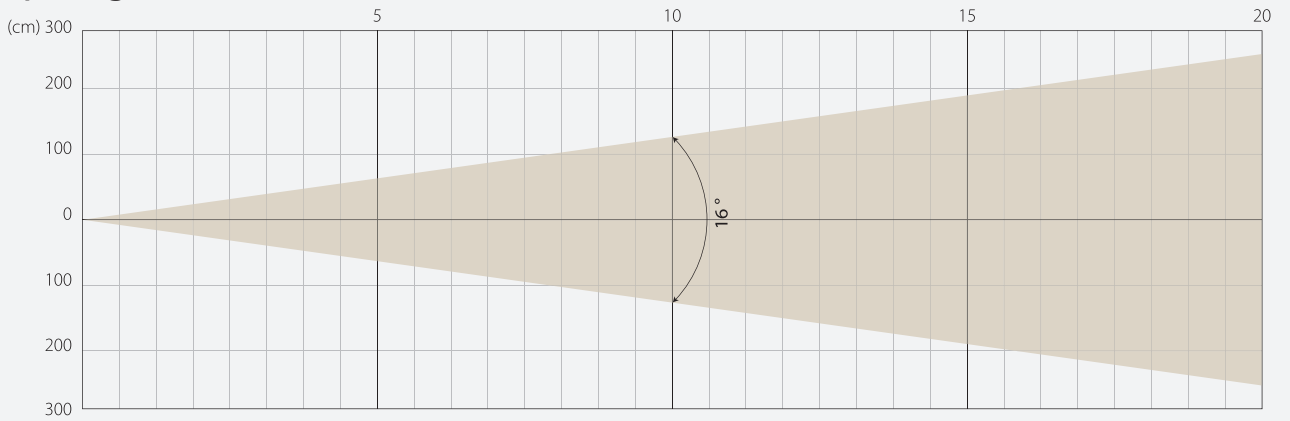


## Intensity

| Distance (m) | 5     |          | 10    |          | 15   |          | 20   |          |
|--------------|-------|----------|-------|----------|------|----------|------|----------|
| unit         | lux   | diameter | lux   | diameter | lux  | diameter | lux  | diameter |
| White        | 67343 | 0,39     | 16836 | 0,79     | 7483 | 1,18     | 4209 | 1,57     |

MIDDLE ZOOM

## Beam Opening

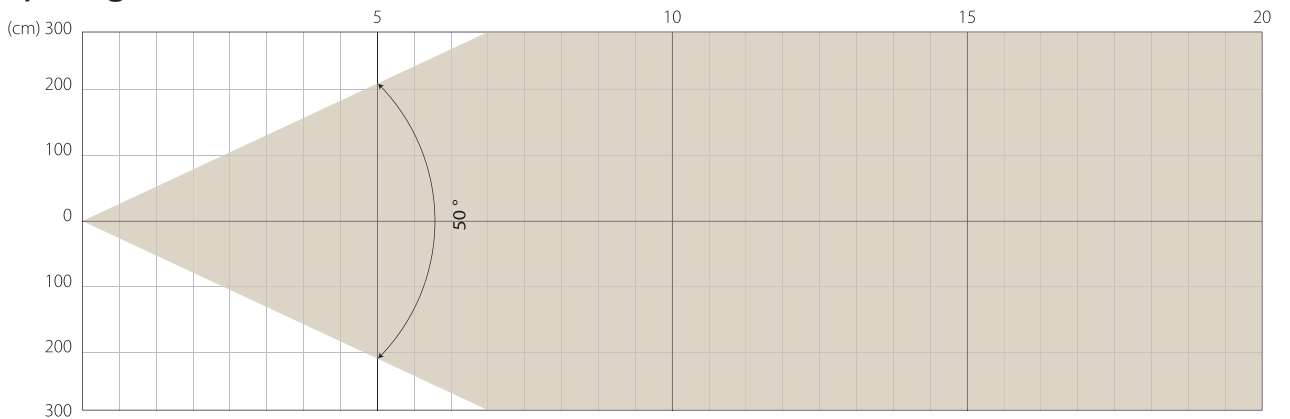


## Intensity

| Distance (m) | 5     |          | 10   |          | 15   |          | 20  |          |
|--------------|-------|----------|------|----------|------|----------|-----|----------|
| unit         | lux   | diameter | lux  | diameter | lux  | diameter | lux | diameter |
| White        | 11694 | 1,41     | 2924 | 2,81     | 1299 | 4,22     | 731 | 5,62     |

MAX ZOOM

## Beam Opening



## Intensity

| Distance (m) | 5    |          | 10  |          | 15  |          | 20  |          |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|
| unit         | lux  | diameter | lux | diameter | lux | diameter | lux | diameter |
| White        | 1459 | 4,66     | 365 | 9,33     | 162 | 13,99    | 91  | 18,65    |

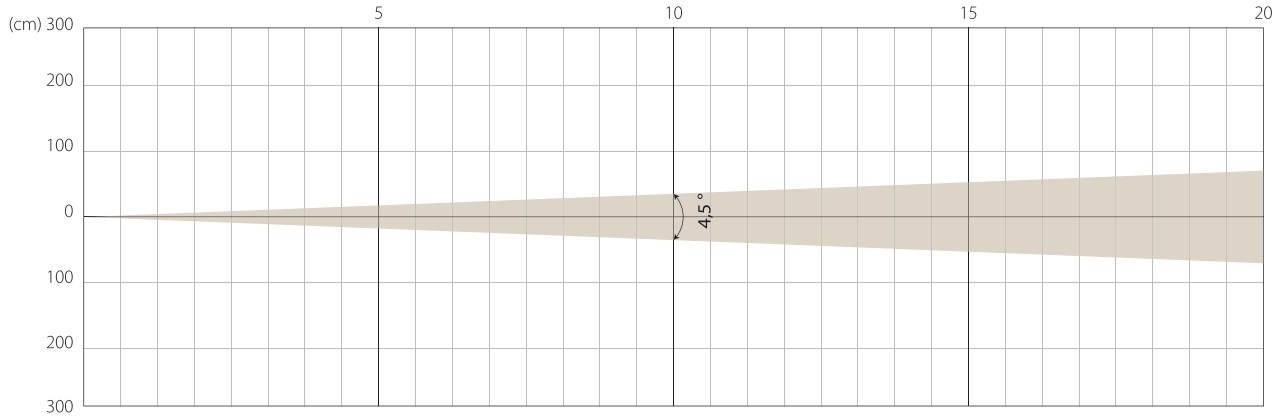
Note: Measurement done with Goniometer

# STAGE MODE

NATIVE CRI GREATER THAN 90

MIN ZOOM

## Beam Opening

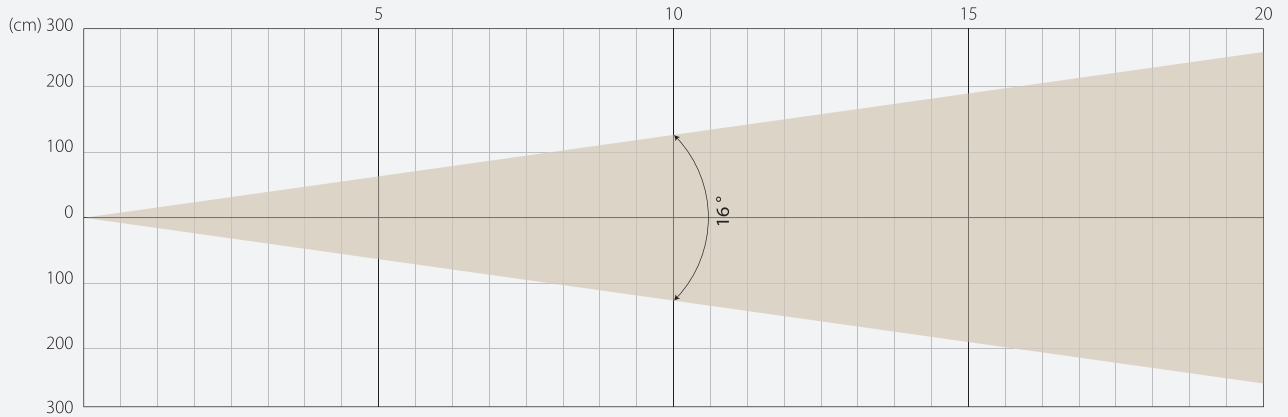


## Intensity

| Distance (m) | 5     |          | 10    |          | 15   |          | 20   |          |
|--------------|-------|----------|-------|----------|------|----------|------|----------|
| unit         | lux   | diameter | lux   | diameter | lux  | diameter | lux  | diameter |
| White        | 71969 | 0,39     | 17992 | 0,79     | 7997 | 1,18     | 4498 | 1,57     |

MIDDLE ZOOM

## Beam Opening

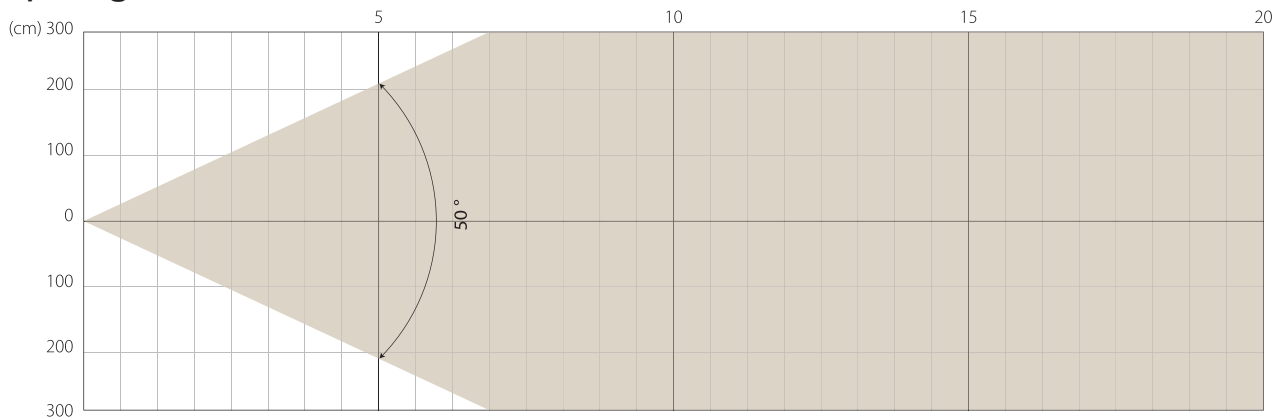


## Intensity

| Distance (m) | 5     |          | 10   |          | 15   |          | 20  |          |
|--------------|-------|----------|------|----------|------|----------|-----|----------|
| unit         | lux   | diameter | lux  | diameter | lux  | diameter | lux | diameter |
| White        | 11707 | 1,41     | 2927 | 2,81     | 1301 | 4,22     | 732 | 5,62     |

MAX ZOOM

## Beam Opening



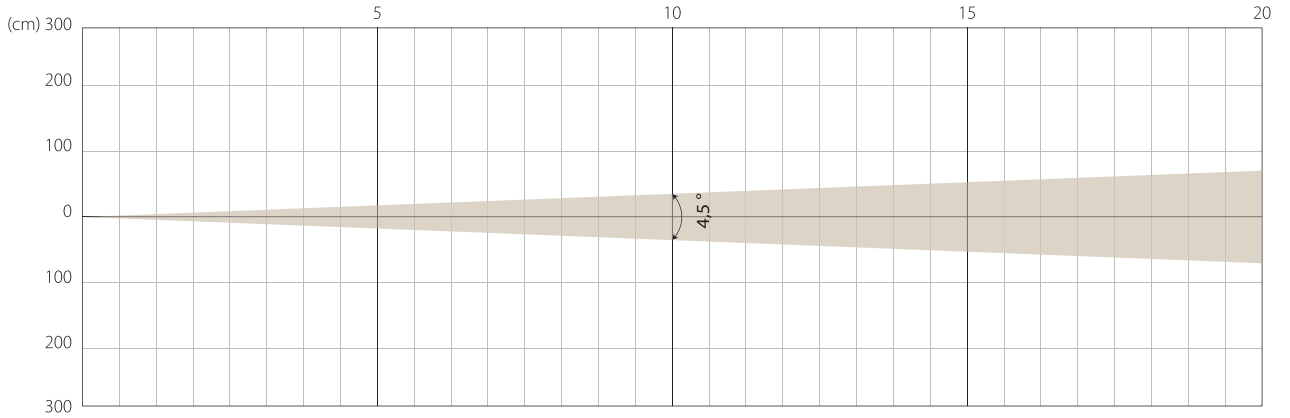
## Intensity

| Distance (m) | 5    |          | 10  |          | 15  |          | 20  |          |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|
| unit         | lux  | diameter | lux | diameter | lux | diameter | lux | diameter |
| White        | 1466 | 4,66     | 367 | 9,33     | 163 | 13,99    | 92  | 18,65    |

Note: Measurement done with Goniometer

MIN ZOOM

## Beam Opening

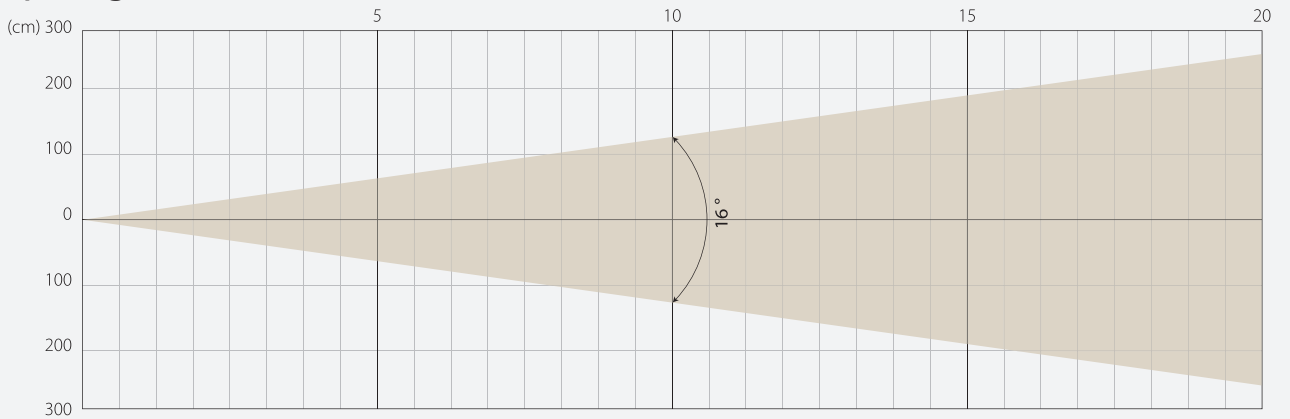


## Intensity

| Distance (m) | 5     |          | 10    |          | 15   |          | 20   |          |
|--------------|-------|----------|-------|----------|------|----------|------|----------|
| unit         | lux   | diameter | lux   | diameter | lux  | diameter | lux  | diameter |
| White        | 48213 | 0,39     | 12053 | 0,79     | 5357 | 1,18     | 3013 | 1,57     |

MIDDLE ZOOM

## Beam Opening

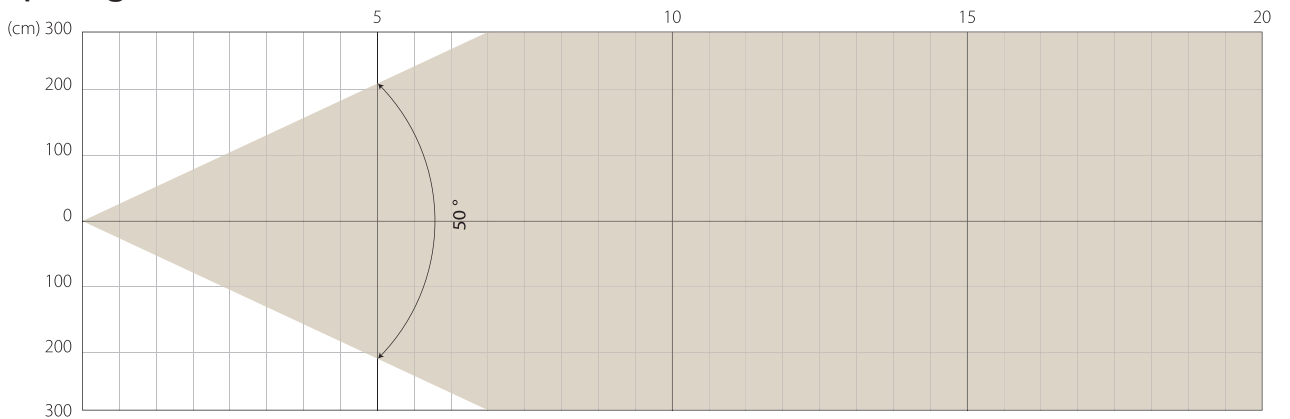


## Intensity

| Distance (m) | 5    |          | 10   |          | 15  |          | 20  |          |
|--------------|------|----------|------|----------|-----|----------|-----|----------|
| unit         | lux  | diameter | lux  | diameter | lux | diameter | lux | diameter |
| White        | 8334 | 1,41     | 2084 | 2,81     | 926 | 4,22     | 521 | 5,62     |

MAX ZOOM

## Beam Opening



## Intensity

| Distance (m) | 5    |          | 10  |          | 15  |          | 20  |          |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|
| unit         | lux  | diameter | lux | diameter | lux | diameter | lux | diameter |
| White        | 1043 | 4,66     | 261 | 9,33     | 116 | 13,99    | 65  | 18,65    |

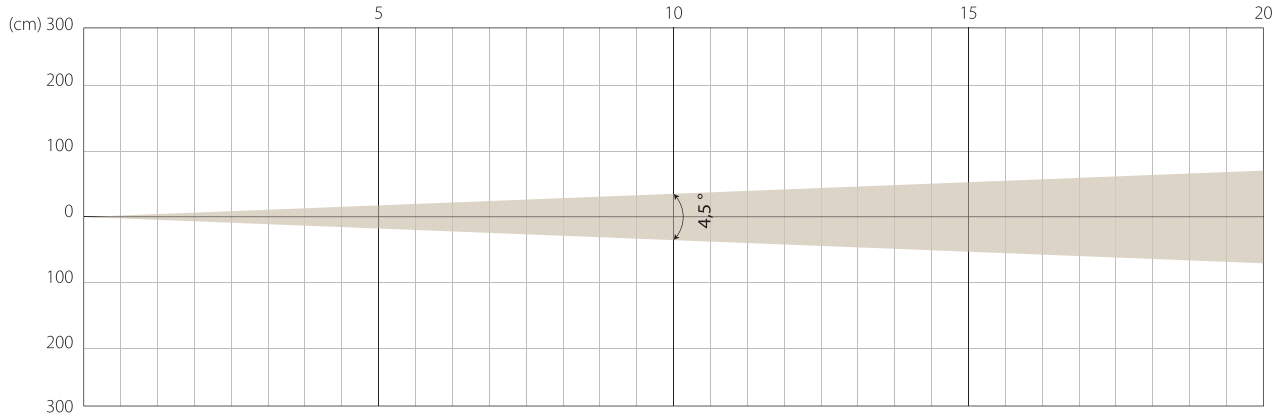
Note: Measurement done with Goniometer

# SUPER SILENCE MODE

NATIVE CRI GREATER THAN 90

MIN ZOOM

## Beam Opening

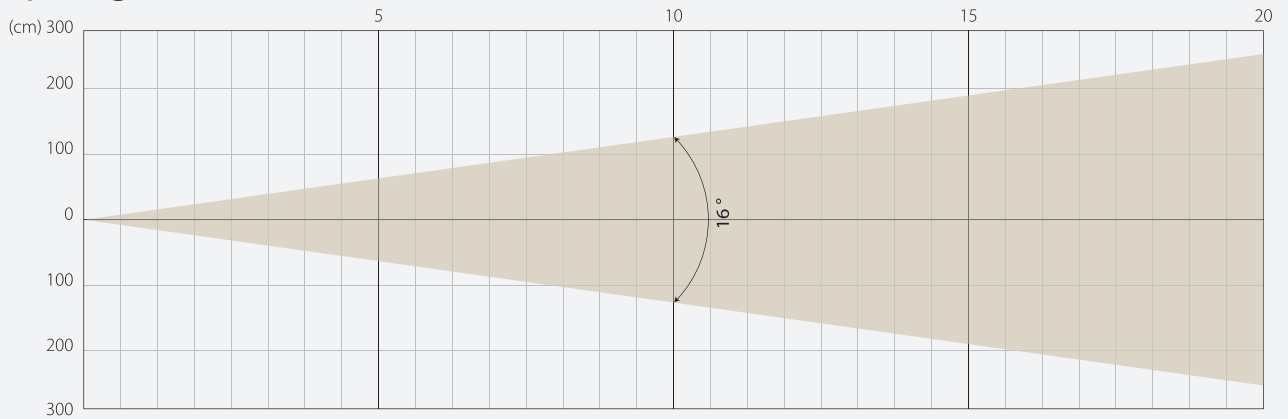


## Intensity

| Distance (m) | 5     |          | 10   |          | 15   |          | 20   |          |
|--------------|-------|----------|------|----------|------|----------|------|----------|
| unit         | lux   | diameter | lux  | diameter | lux  | diameter | lux  | diameter |
| White        | 31781 | 0,39     | 7945 | 0,79     | 3531 | 1,18     | 1986 | 1,57     |

MIDDLE ZOOM

## Beam Opening

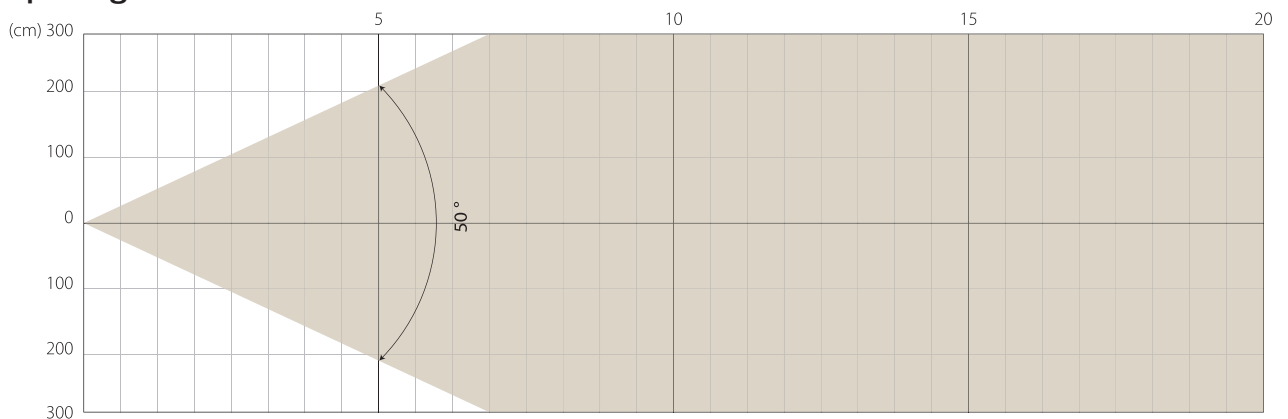


## Intensity

| Distance (m) | 5    |          | 10   |          | 15  |          | 20  |          |
|--------------|------|----------|------|----------|-----|----------|-----|----------|
| unit         | lux  | diameter | lux  | diameter | lux | diameter | lux | diameter |
| White        | 5248 | 1,41     | 1312 | 2,81     | 583 | 4,22     | 328 | 5,62     |

MAX ZOOM

## Beam Opening

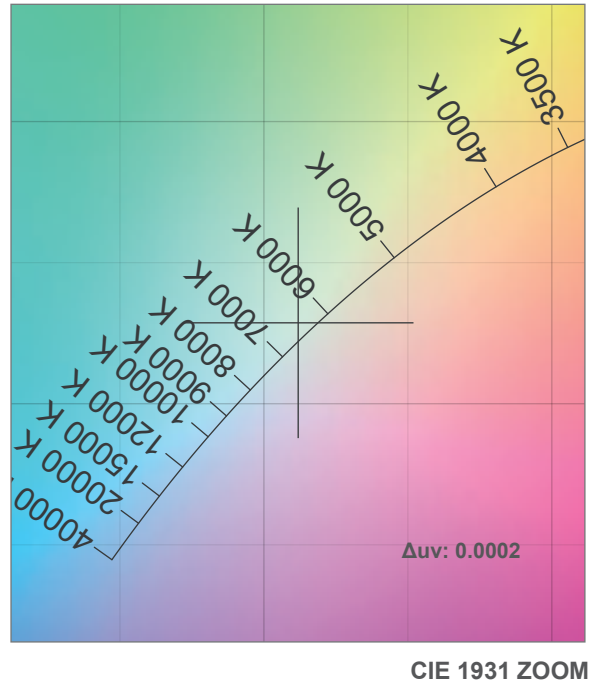
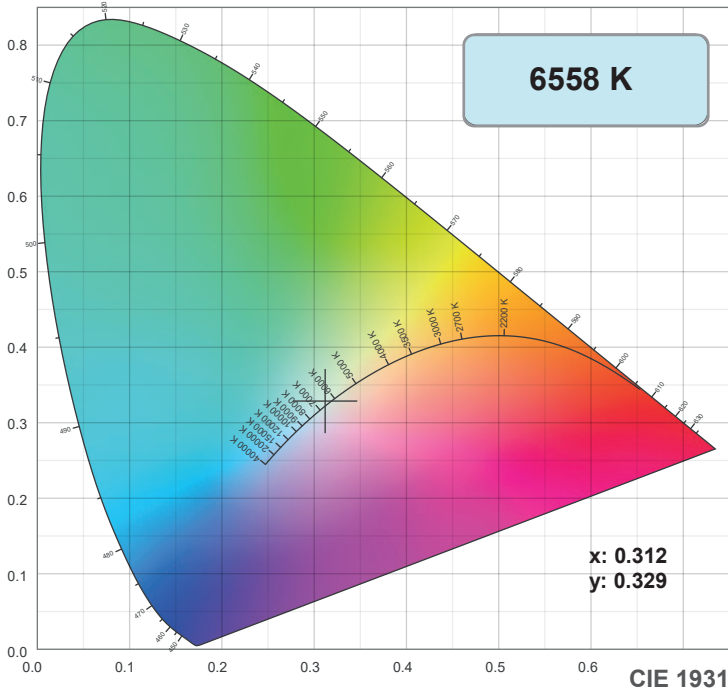


## Intensity

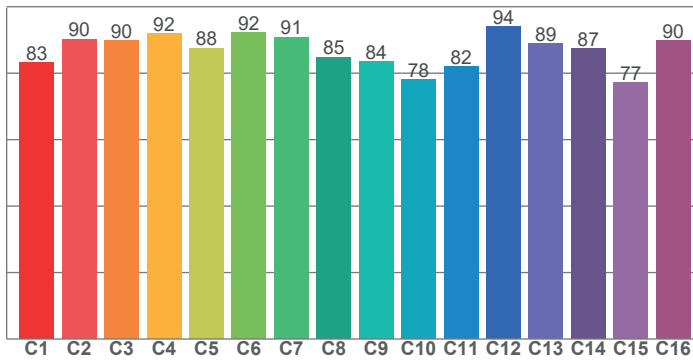
| Distance (m) | 5   |          | 10  |          | 15  |          | 20  |          |
|--------------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | lux | diameter | lux | diameter | lux | diameter | lux | diameter |
| White        | 668 | 4,66     | 167 | 9,33     | 74  | 13,99    | 42  | 18,65    |

Note: Measurement done with Goniometer

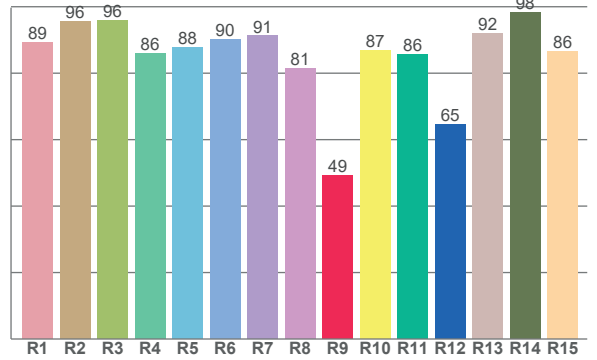
# COLOR DETAILS



TM-30: 86.8



CRI: 89.6 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 89.3 | 95.5 | 95.9 | 85.9 | 87.7 | 90.0 | 91.2 | 81.3 | 49.1 | 87.0 | 85.7 | 64.6 | 92.0 | 98.3 | 86.5 |

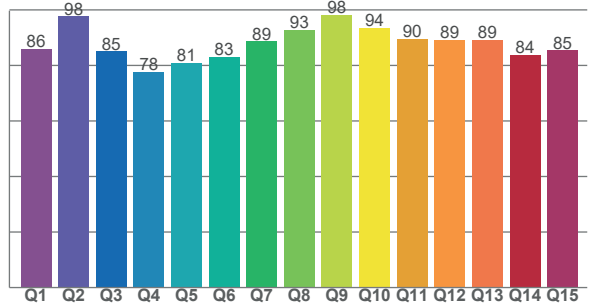
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 83.3 | 90.3 | 89.9 | 91.9 | 87.6 | 92.3 | 90.9 | 84.9 | 83.6 | 78.1 | 82.1 | 94.0 | 88.8 | 87.4 | 77.1 | 89.8 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 86.1 | 97.6 | 85.0 | 77.5 | 81.0 | 83.1 | 88.6 | 92.7 | 98.2 | 93.6 | 89.6 | 89.1 | 89.1 | 83.7 | 85.4 |

CQS: 86.8



## Color parameters

| 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                             |
| 6558 K            | 89.6                  | 49.1          | 86.8           | 94.2        | 86.8                | 0.312                     | 0.329                     | 0.197            | 0.312            | 0.0002                          |

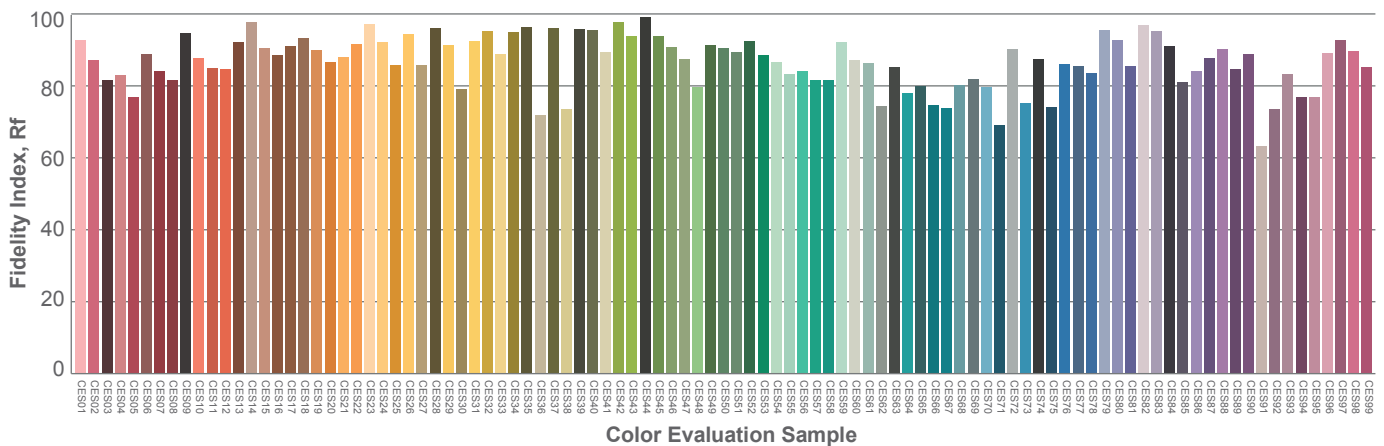
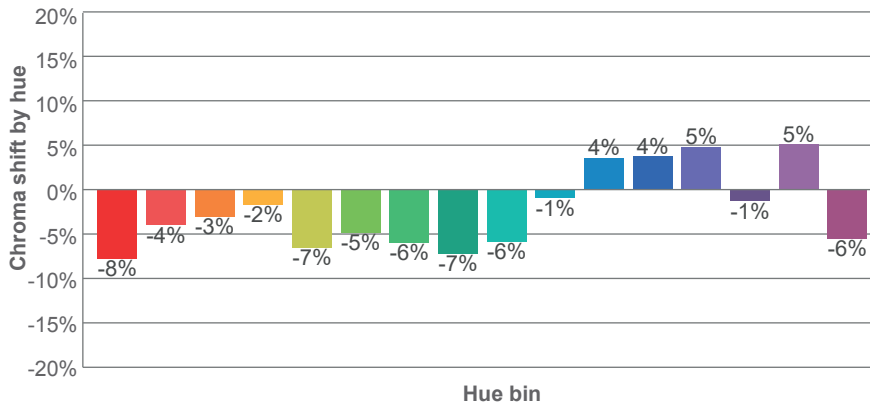
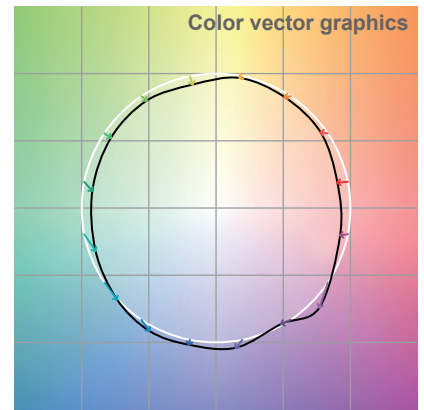
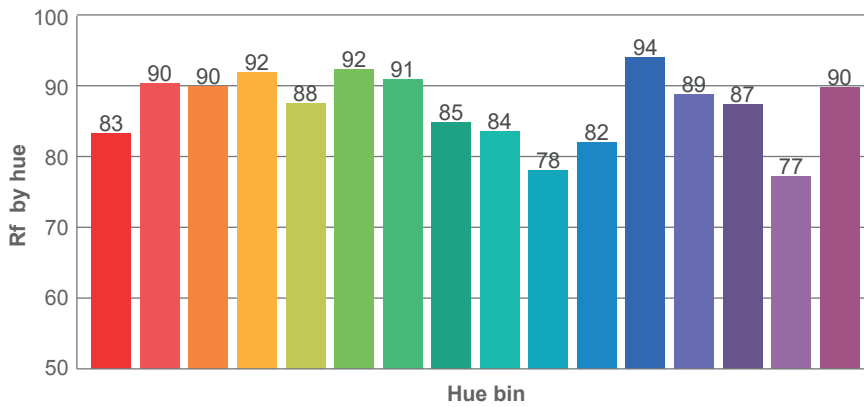
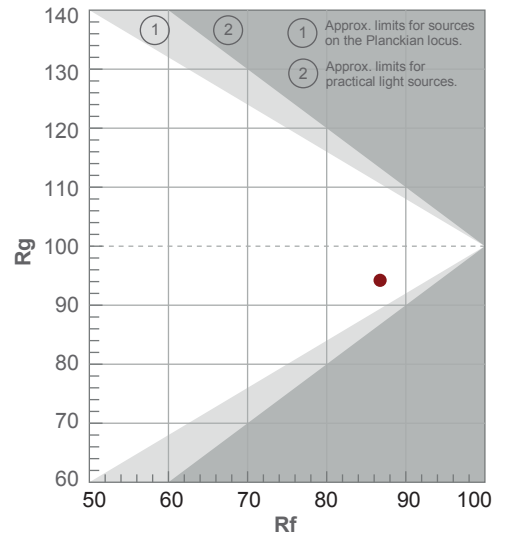


# TM-30 DETAILS

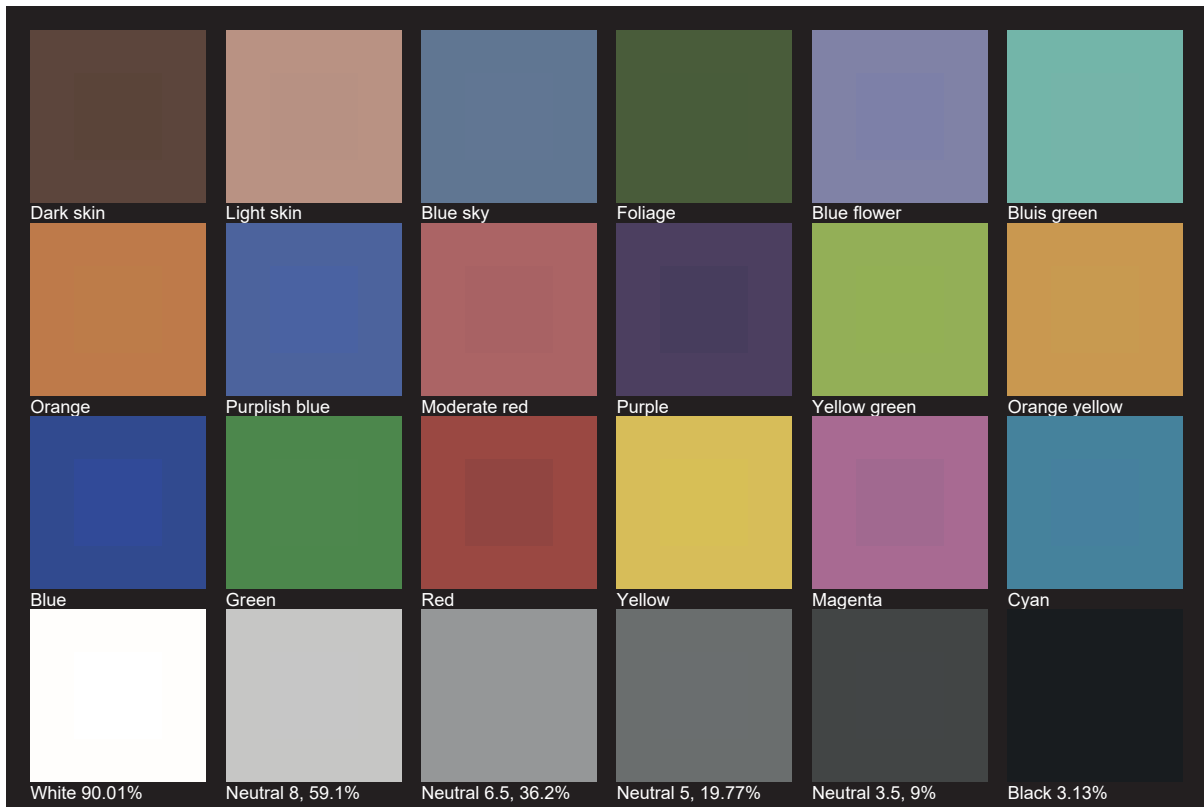
**Rf 86.8**  
Fidelity index Rf

**Rg 94.2**  
Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |      |
|---------|----------------|------------|------|
|         |                | Chroma     | Hue  |
| 1       | 83             | -8%        | 1%   |
| 2       | 90             | -4%        | 4%   |
| 3       | 90             | -3%        | 4%   |
| 4       | 92             | -2%        | 2%   |
| 5       | 88             | -7%        | -1%  |
| 6       | 92             | -5%        | -1%  |
| 7       | 91             | -6%        | 0%   |
| 8       | 85             | -7%        | 5%   |
| 9       | 84             | -6%        | 14%  |
| 10      | 78             | -1%        | 16%  |
| 11      | 82             | 4%         | 10%  |
| 12      | 94             | 4%         | 0%   |
| 13      | 89             | 5%         | -6%  |
| 14      | 87             | -1%        | -8%  |
| 15      | 77             | 5%         | -19% |
| 16      | 90             | -6%        | -2%  |



# TLCI 88







**AYRTON**

Digital Lighting