



RIVALE WASH S

PHOTOMETRY



AYRTON

Digital Lighting



| | |
|-------------------|---|
| Total Flux | 28,000 lm (@zoom 128, fan mode STAGE, Sphere) |
|-------------------|---|

| | |
|----------------------------------|--------------|
| CCT @ light source engine | 7400 (±400K) |
|----------------------------------|--------------|

| | |
|-------------------|--------------|
| CCT @ open | 6500 (±500K) |
|-------------------|--------------|

| | |
|------------------|---------|
| Ra @ open | 70 (±2) |
|------------------|---------|

| | |
|-------------|----|
| TLCI | 49 |
|-------------|----|

| | |
|--------------|-----------------|
| TM-30 | Rf: 72 Rg: 94.6 |
|--------------|-----------------|

| Fan Mode | Noise Level (dBA) | by Goniometer (lm) | by Sphere (lm) |
|----------------------|--------------------------|---------------------------|-----------------------|
| Auto | 41.5 | 19556 | 24900 |
| Stage | 43.1 | 20255 | 27560 |
| Silence | 33.5 | 12760 | 16100 |
| Super Silence | 32.4 | 8594 | 10800 |

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

| | | |
|------------------------|---------------------|-------|
| Voltage / Power | 100-240 V, 50-60 Hz | 700 W |
|------------------------|---------------------|-------|

| | | |
|-----------------------------------|--------------------|---------|
| Fixture Dimension / Weight | 360 x 676 x 316 mm | 29.7 kg |
|-----------------------------------|--------------------|---------|

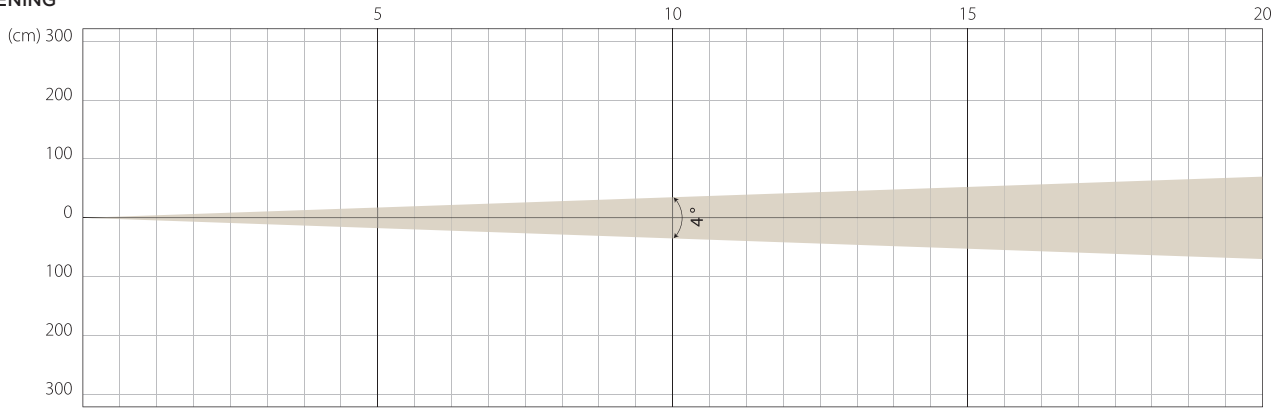
| | | |
|-----------------------------------|--------------------|-------|
| Packing Dimension / Weight | 575 x 665 x 500 mm | 43 kg |
|-----------------------------------|--------------------|-------|

AUTO MODE

NATIVE CRI GREATER THAN 70

MIN ZOOM

BEAM OPENING

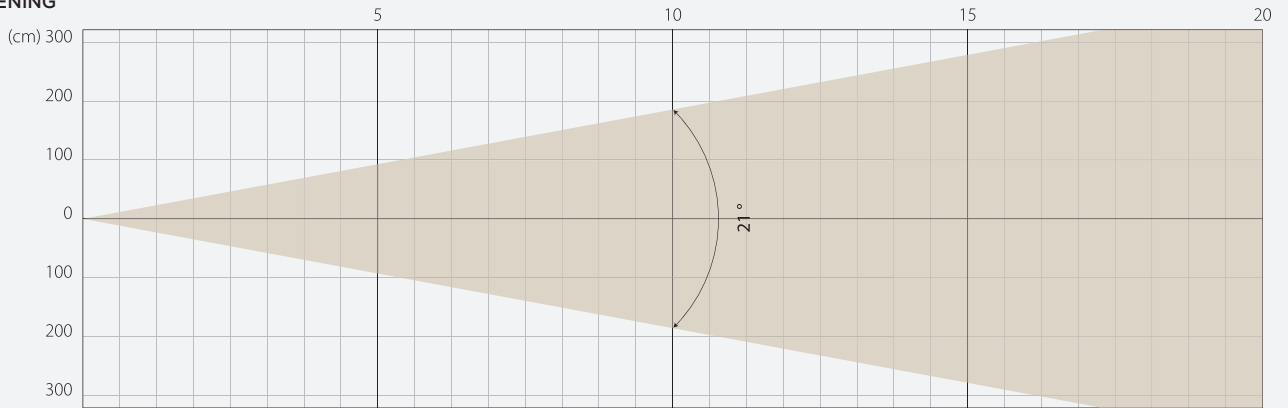


INTENSITY

| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|-------|----------|-------|----------|------|----------|------|----------|
| unit | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 59003 | 0,35 | 14751 | 0,7 | 6556 | 1,05 | 3688 | 1,4 |

MIDDLE ZOOM

BEAM OPENING

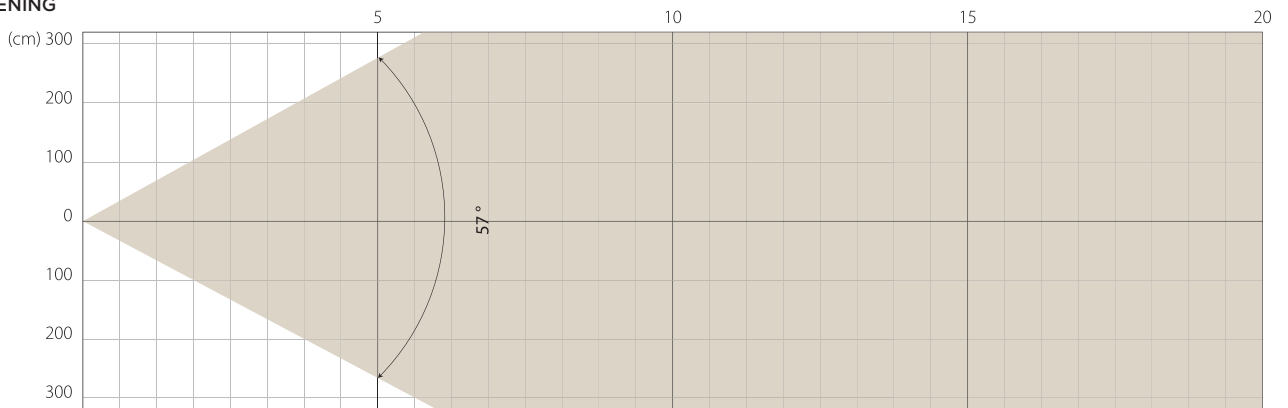


INTENSITY

| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|-------|----------|------|----------|------|----------|-----|----------|
| unit | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 11052 | 1,85 | 2763 | 3,71 | 1228 | 5,56 | 691 | 7,41 |

MAX ZOOM

BEAM OPENING



INTENSITY

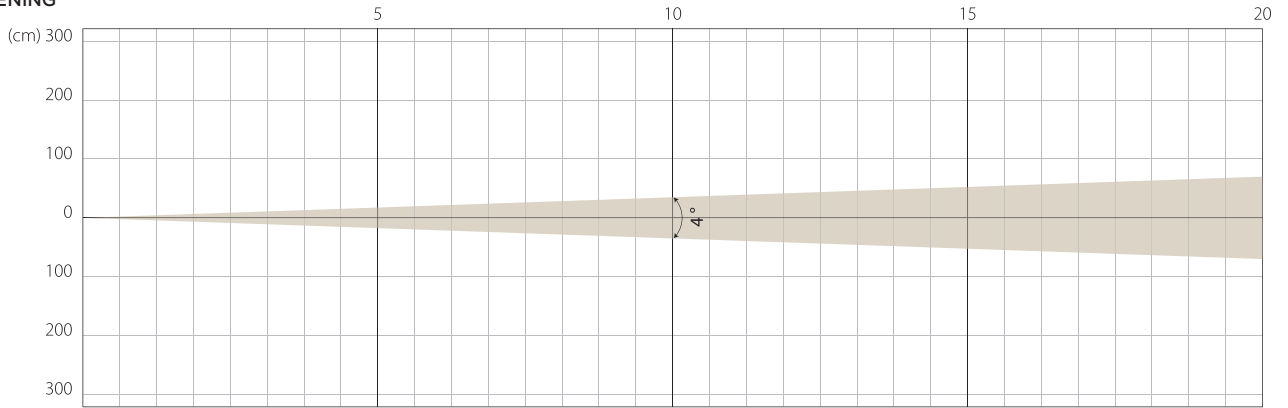
| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|
| unit | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 1559 | 5,43 | 390 | 10,86 | 173 | 16,29 | 97 | 21,72 |

STAGE MODE

NATIVE CRI GREATER THAN 70

MIN ZOOM

BEAM OPENING

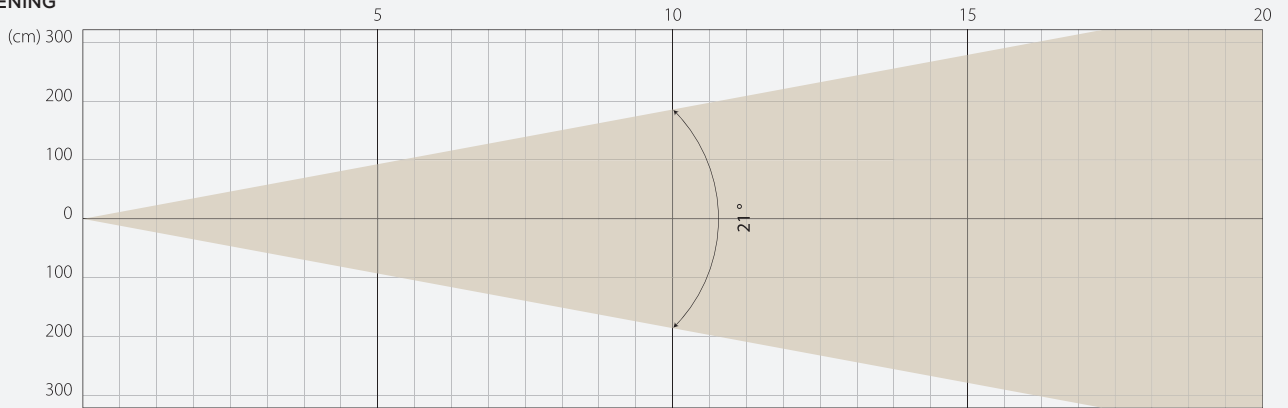


INTENSITY

| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|-------|----------|-------|----------|------|----------|------|----------|
| | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 60121 | 0,35 | 15030 | 0,7 | 6680 | 1,05 | 3758 | 1,4 |

MIDDLE ZOOM

BEAM OPENING

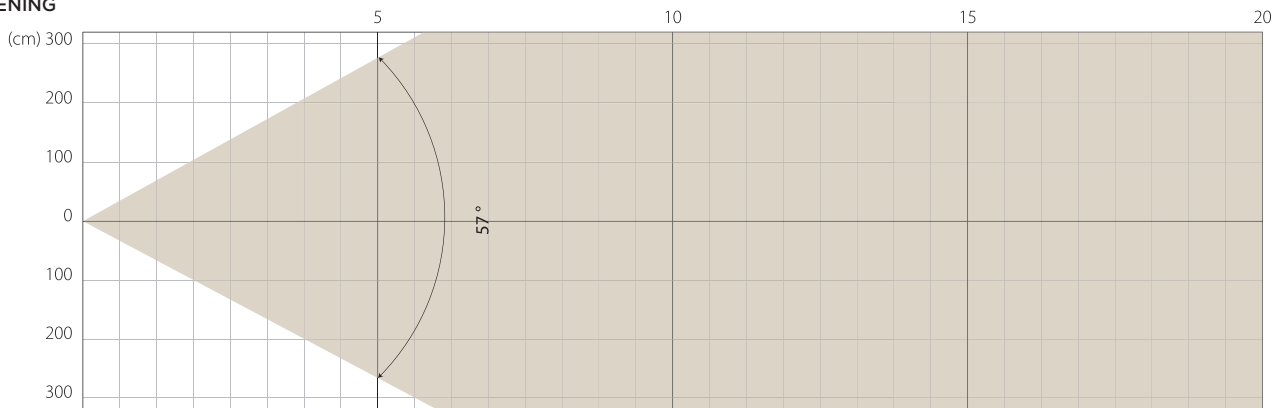


INTENSITY

| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|-------|----------|------|----------|------|----------|-----|----------|
| | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 10647 | 1,85 | 2669 | 3,71 | 1186 | 5,56 | 667 | 7,41 |

MAX ZOOM

BEAM OPENING



INTENSITY

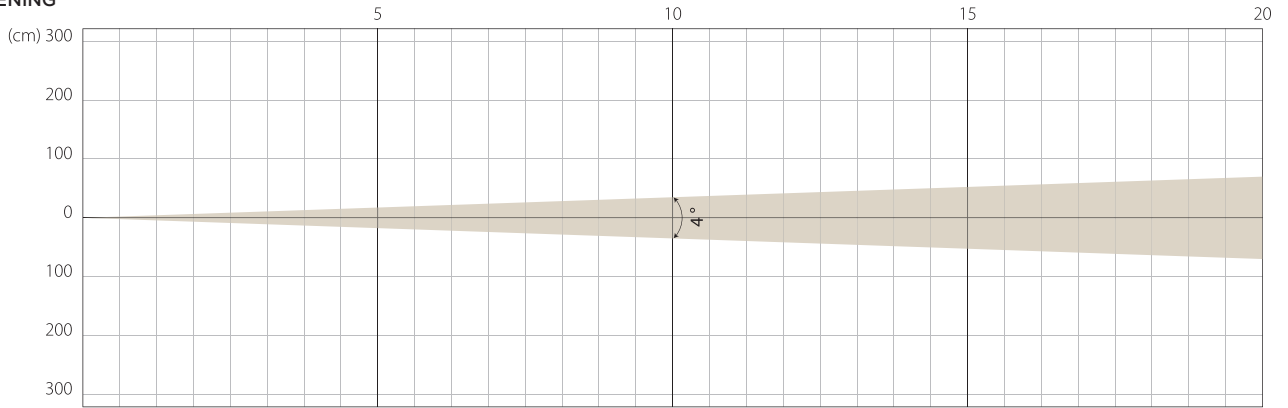
| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|
| | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 1629 | 5,43 | 407 | 10,86 | 181 | 16,29 | 102 | 21,72 |

SILENCE MODE

NATIVE CRI GREATER THAN 70

MIN ZOOM

BEAM OPENING

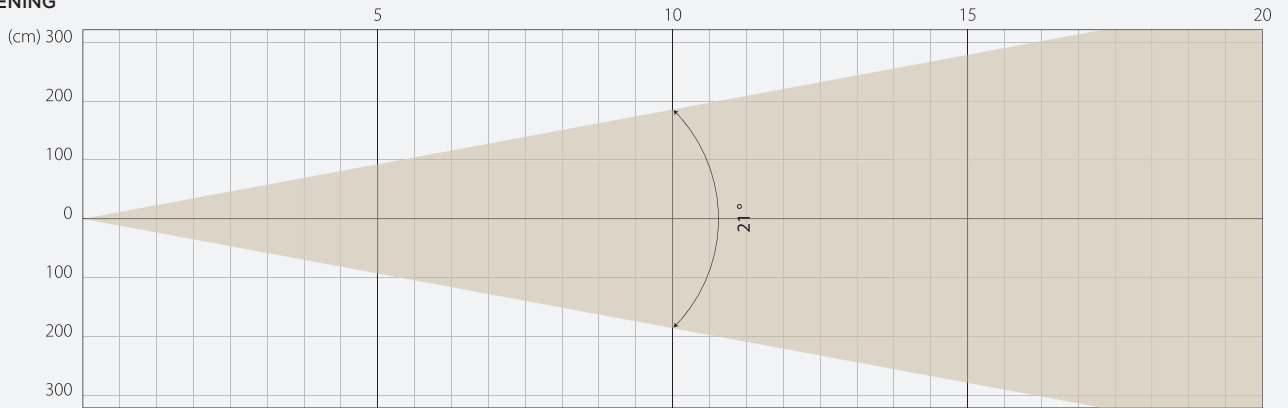


INTENSITY

| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|-------|----------|------|----------|------|----------|------|----------|
| | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 37282 | 0,35 | 9321 | 0,7 | 4142 | 1,05 | 2330 | 1,4 |

MIDDLE ZOOM

BEAM OPENING

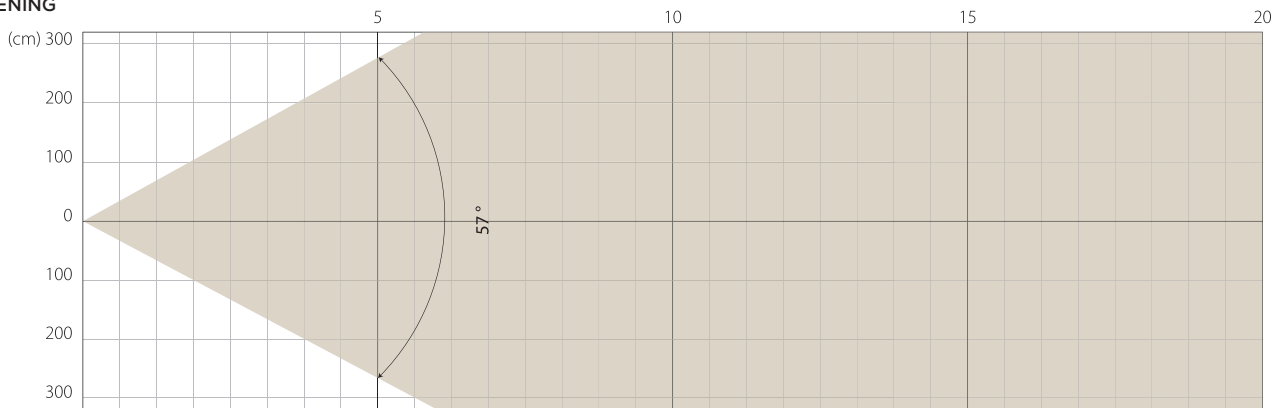


INTENSITY

| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|------|----------|------|----------|-----|----------|-----|----------|
| | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 6501 | 1,85 | 1625 | 3,71 | 722 | 5,56 | 406 | 7,41 |

MAX ZOOM

BEAM OPENING



INTENSITY

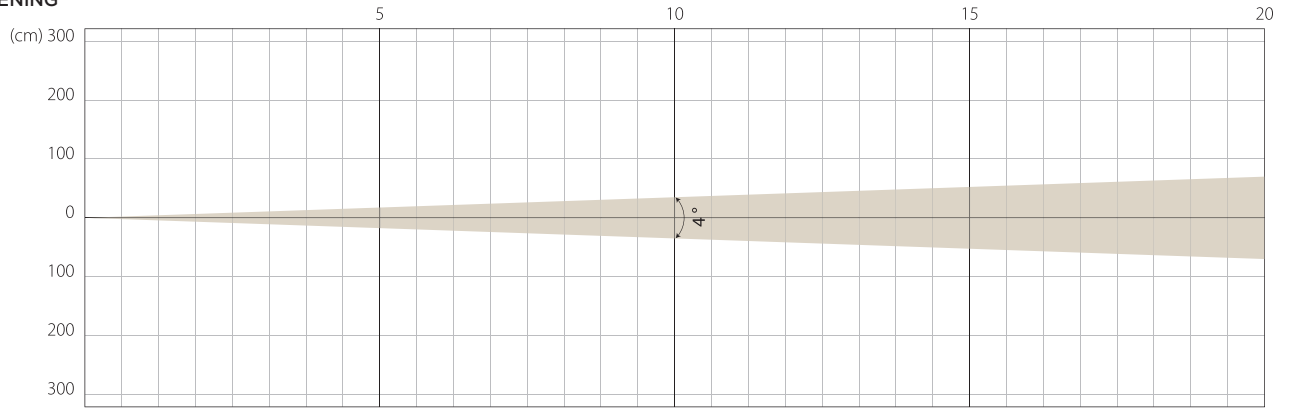
| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|
| | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 1024 | 5,43 | 256 | 10,86 | 114 | 16,29 | 64 | 21,72 |

SUPER SILENCE MODE

NATIVE CRI GREATER THAN 70

MIN ZOOM

BEAM OPENING

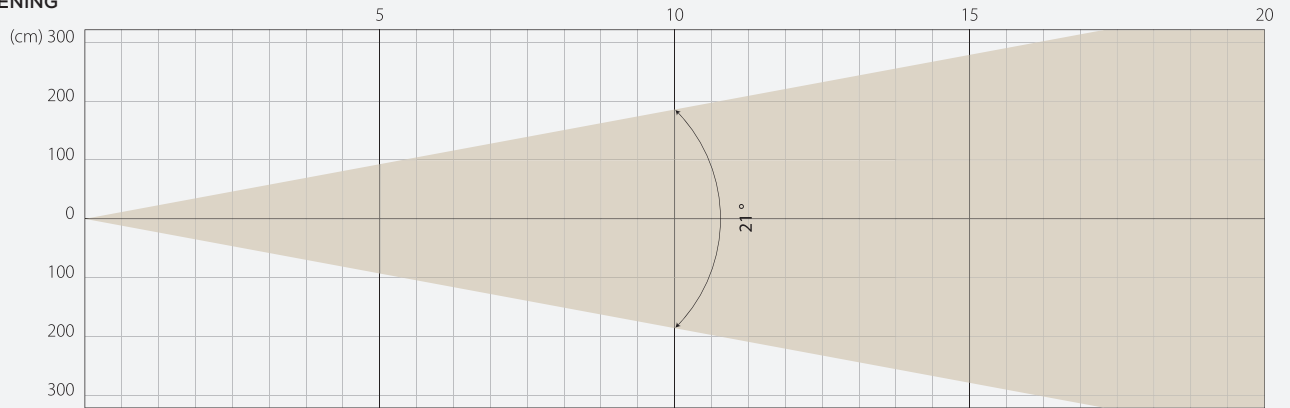


INTENSITY

| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|-------|----------|------|----------|------|----------|------|----------|
| | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 25566 | 0,35 | 6391 | 0,7 | 2841 | 1,05 | 1598 | 1,4 |

MIDDLE ZOOM

BEAM OPENING

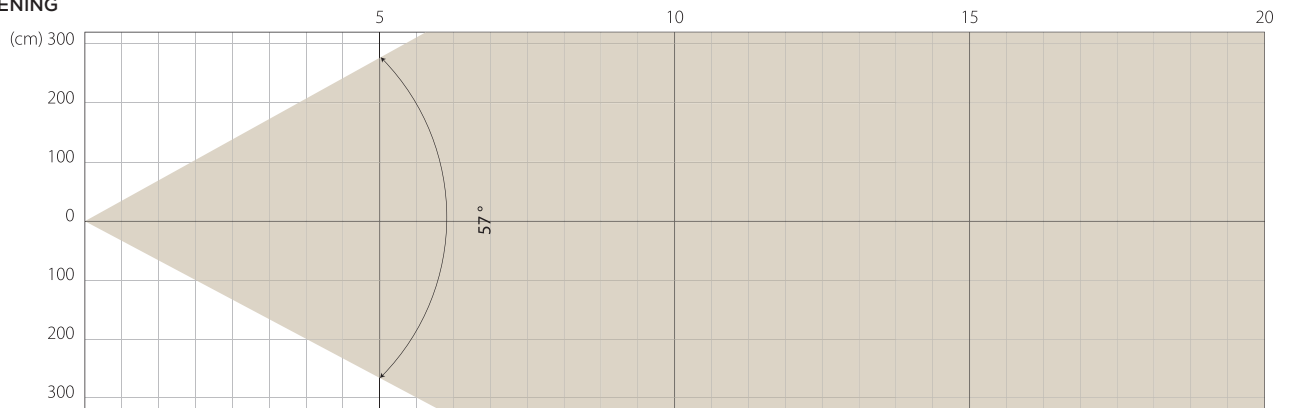


INTENSITY

| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|------|----------|------|----------|-----|----------|-----|----------|
| | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 4580 | 1,85 | 1145 | 3,71 | 509 | 5,56 | 286 | 7,41 |

MAX ZOOM

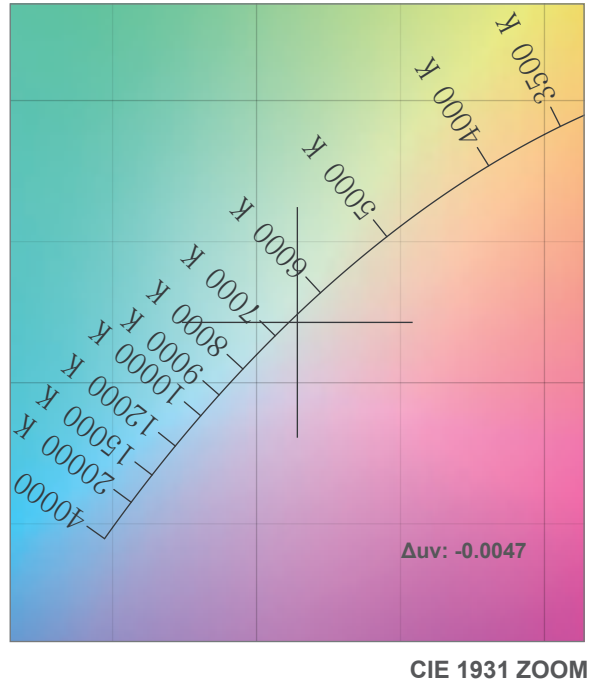
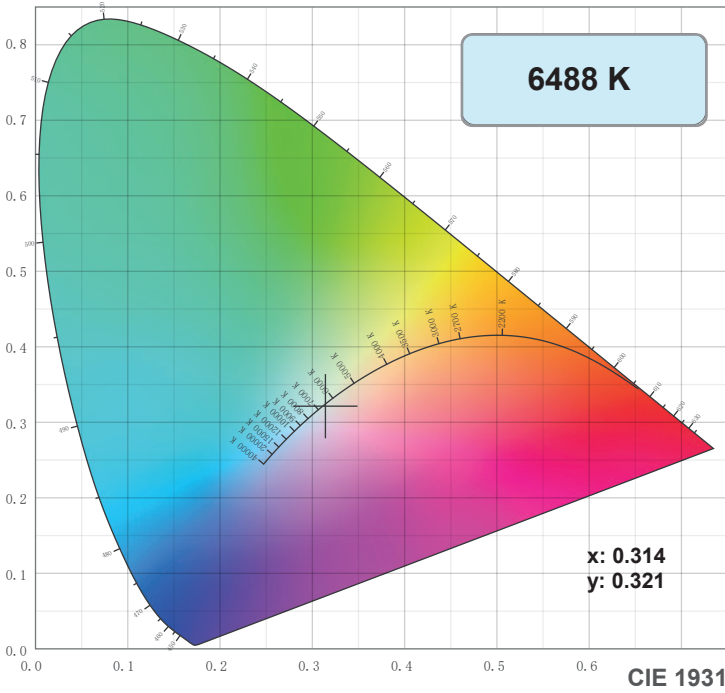
BEAM OPENING



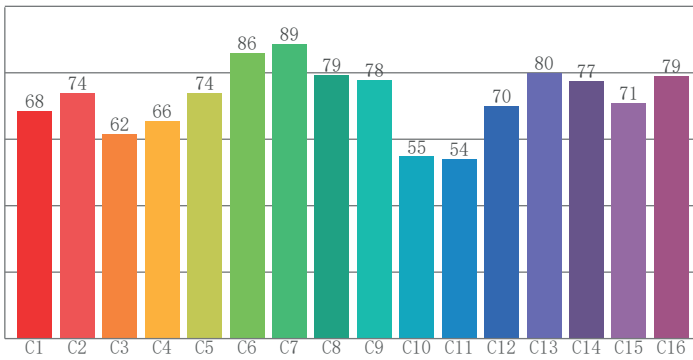
INTENSITY

| Distance (m) | 5 | | 10 | | 15 | | 20 | |
|--------------|-----|----------|-----|----------|-----|----------|-----|----------|
| | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White | 688 | 5,43 | 172 | 10,86 | 76 | 16,29 | 43 | 21,72 |

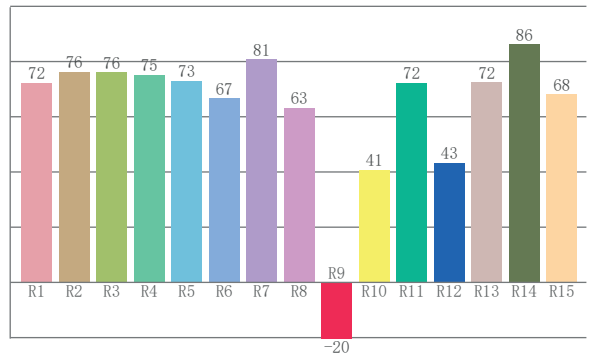
COLOR DETAILS



TM-30: 72.0



CRI: 72.9 (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 |
|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 72.3 | 76.3 | 76.0 | 75.1 | 72.9 | 66.7 | 80.7 | 63.2 | -20.4 | 40.7 | 72.3 | 43.3 | 72.4 | 86.2 | 68.1 |

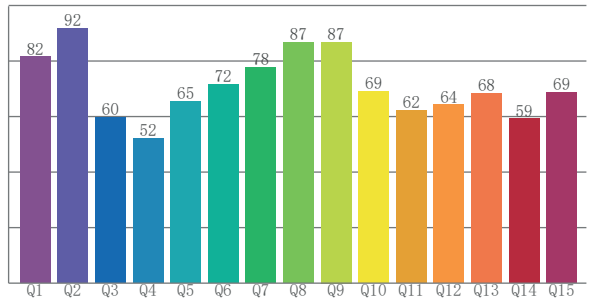
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 68.5 | 73.9 | 61.5 | 65.5 | 74.0 | 85.8 | 88.5 | 79.3 | 77.8 | 54.8 | 54.1 | 69.9 | 79.9 | 77.4 | 71.0 | 79.0 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81.5 | 91.8 | 59.6 | 52.1 | 65.4 | 71.6 | 77.6 | 86.7 | 86.8 | 69.0 | 62.3 | 64.2 | 68.3 | 59.2 | 68.6 |

CQS: 68.9



Color parameters

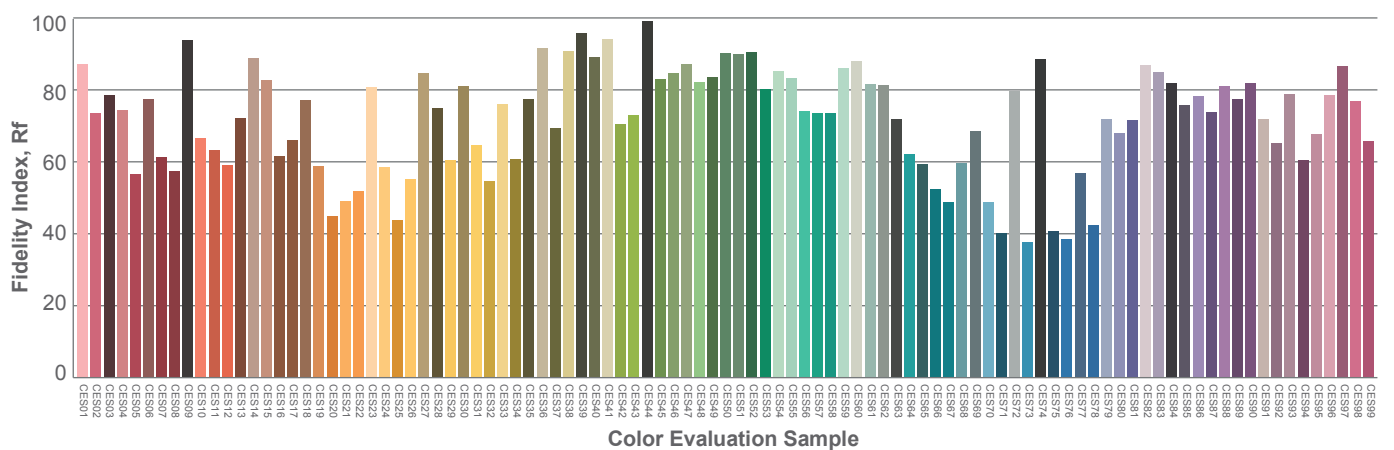
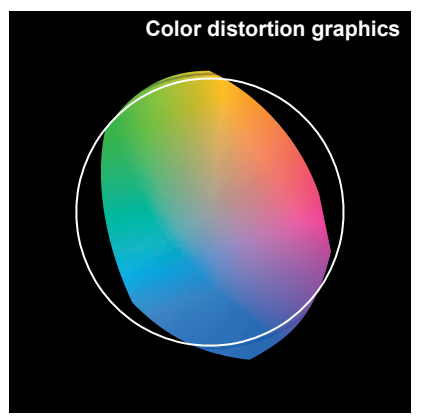
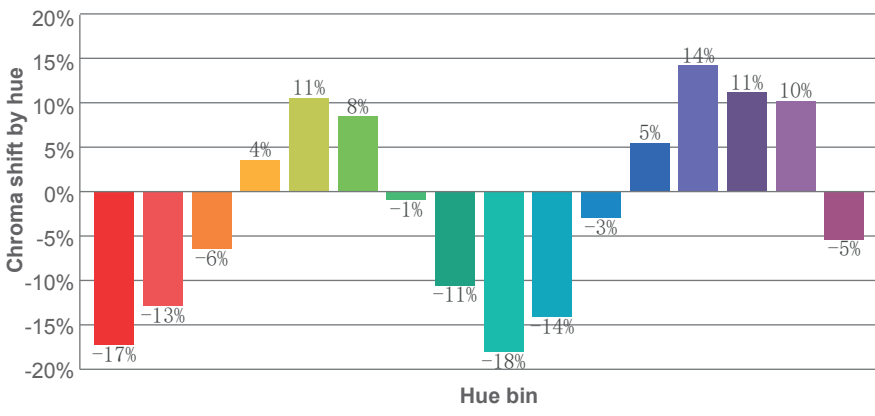
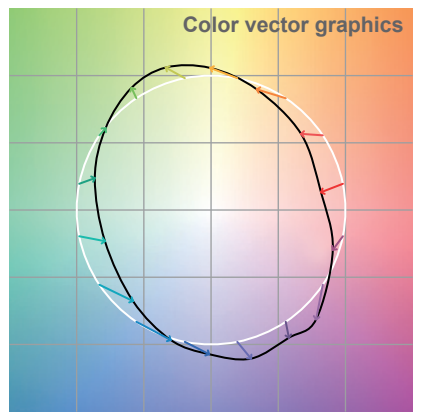
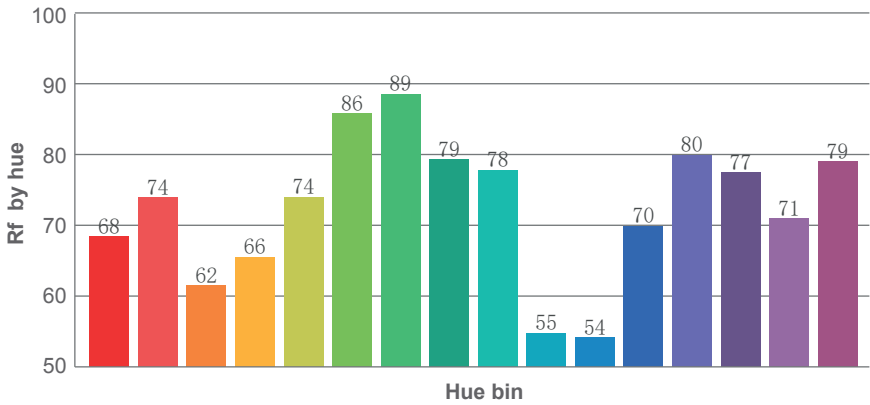
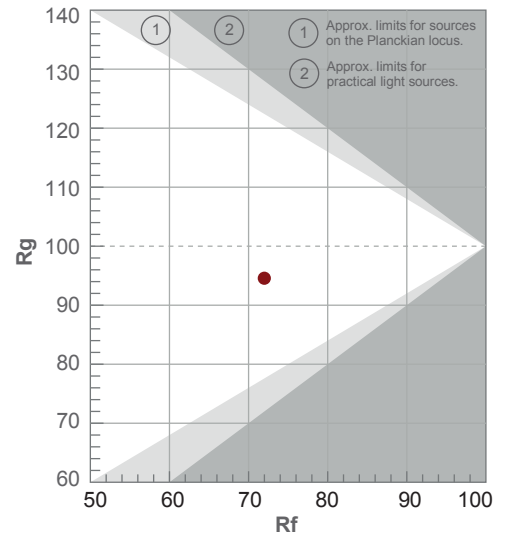
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | x | y | u | v | Δuv |
| 6488 K | 72.9 | -20.4 | 72.0 | 94.6 | 68.9 | 0.314 | 0.321 | 0.202 | 0.310 | -0.0047 |

TM-30 DETAILS

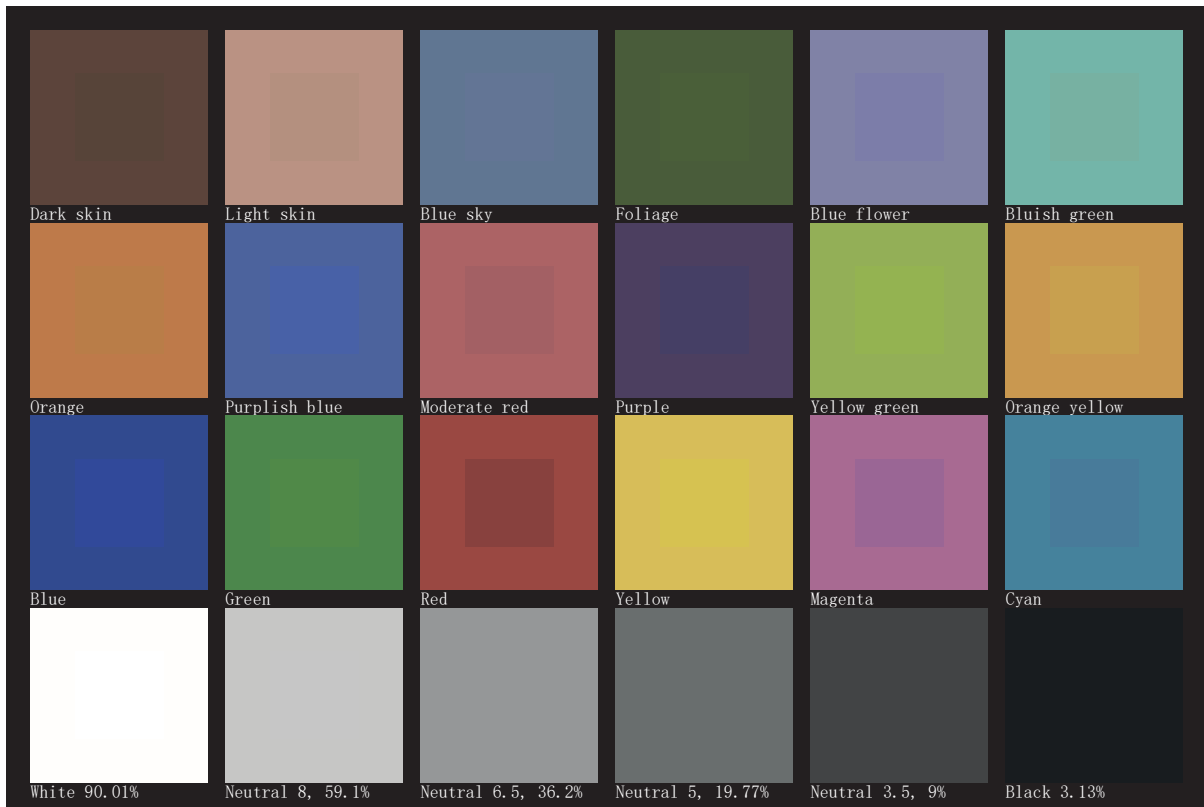
Rf 72.0
Fidelity index Rf

Rg 94.6
Gamut index Rg

| Hue Bin | R _f | Shifts (%) | |
|---------|----------------|------------|------|
| | | Chroma | Hue |
| 1 | 68 | -17% | -3% |
| 2 | 74 | -13% | 10% |
| 3 | 62 | -6% | 22% |
| 4 | 66 | 4% | 21% |
| 5 | 74 | 11% | 12% |
| 6 | 86 | 8% | -1% |
| 7 | 89 | -1% | -7% |
| 8 | 79 | -11% | -6% |
| 9 | 78 | -18% | 7% |
| 10 | 55 | -14% | 24% |
| 11 | 54 | -3% | 29% |
| 12 | 70 | 5% | 20% |
| 13 | 80 | 14% | 8% |
| 14 | 77 | 11% | -5% |
| 15 | 71 | 10% | -24% |
| 16 | 79 | -5% | -11% |



TLCI 49





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