



Nando 502 Wash is an incredibly compact luminaire for stage lighting, specially designed for mixed use, both indoors and outdoors, and in salty environments.

**N**ando 502 Wash can achieve a luminous flux of 11,000 lumens and offer a perfectly homogeneous mix of pastel or saturated colours.

## ★ KEY FEATURES

### ➤ Upgraded glass lightguide

In Nando 502 wash, new CNC light guides ensure a uniform beam by homogenizing 12 high-performance 40 W LEDs in four colours (RGB and Lime) into a single cohesive light, essential for best-quality stage lighting.

### ➤ Broad spectrum coverage with Lime

We chose the RGB-Lime colour mixing system for our Nando wash light series to overcome the limitations of traditional RGB fixtures:

- **Spectrum Gaps in RGB and RGB-W Systems:** Traditional RGB/W fixtures leave gaps in the spectrum, resulting in less vibrant and imbalanced colours.
- **Broad-Spectrum Coverage with Lime:** Lime fills these gaps, harmonizing with red, green, and blue to create even colour distribution, from subtle pastels to bold, saturated hues, and achieving natural, rich lighting effects.
- **Optimal Mixing:** Lime at full brightness unlocks the full range of colours, delivering the richest and most vibrant tones.

### ➤ As lightweight as it is efficient

Nando 502's zoom lens is made from lightweight PMMA. By refining the design, we've made the lens thinner and 50% lighter than before. This reduces the fixture's front weight, minimizing the need for counterweights and ensuring a lightweight IP65 design at just 15.6kg.

### ➤ Quiet cooling

Nando 502 uses the same advanced liquid cooling system as Rivale and Veloce, reflecting over 15 years of heatpipe technology expertise. Key features include:

- **Fins and Cooling Pipes:** Efficiently pull heat away from the LED module to maintain optimal temperatures.
- **Two Large Fans:** Direct cool air onto the fins and pipes for enhanced cooling.
- **Aluminum Covers:** Absorb and disperse internal heat effectively, ensuring efficient and quiet operation.

## TECHNICAL SPECIFICATIONS

| SOURCE                  |                                                 |
|-------------------------|-------------------------------------------------|
| Engine                  | RGB-L High-Power LED                            |
| LED Watts               | 40 W                                            |
| LED Engine Life (L70)   | Up to 40,000 hours                              |
| LED Refresh Rate        | 1.2 kHz, 2.4 kHz, 16 kHz, 25 kHz                |
| Dimming                 | Electronic                                      |
| Dimming Curves          | Square & Linear                                 |
| Dimming Control Options | Auto on/off dimmer smoothing when Snap effects  |
| Strobe Speed            | 1-25 Hz Per Second                              |
| Strobe Modes            | Strobe Effects / Pulse Effects / Random Effects |

| ELECTRICAL                 |                                |
|----------------------------|--------------------------------|
| Max Power Consumption      | 550 W                          |
| Standby Consumption        | 65 W @ 20 °C                   |
| Voltage Range              | 100-240 V 50-60 Hz             |
| Current (Max)              | 2.4 A @ 230 V / 5 A @ 110 V    |
| Inrush (Half Cycle)        | 110 V: 12.6 A<br>230 V: 10.5 A |
| Total Fixtures per Circuit | 6 @ 220/230 V / 3 @ 110 V      |
| Connector                  | True1 In/Thru                  |
| Power Supply Unit          | Active PFC                     |
| Contains Battery           | N/A                            |

| TYPICAL POWER AND CURRENT |                           |
|---------------------------|---------------------------|
| 120V , 60Hz               | 4.18 A, 501.7 W, PF 0.993 |
| 208V, 60Hz                | 2.38 A, 495 W,PF 0.978    |
| 230V, 50Hz                | 2.13 A, 490.8 W, PF 0.970 |
| 240V, 50Hz                | 2.11 A, 506.4 W, PF 0.970 |

*Suitable disclaimer nominal, etc*

| OPTICAL PERFORMANCE |                  |
|---------------------|------------------|
| Lens Size           | 210 mm (8.27 in) |
| Zoom Range          | 3.5° to 53°      |
| Zoom Ratio          | 15:1             |
| Gate Size           | N/A              |

| MOVEMENT                            |      |                               |
|-------------------------------------|------|-------------------------------|
| Pan Range                           |      | 540°                          |
| Pan Speed<br>(End to End or range)  | 180° | 98.5 rpm                      |
|                                     | 360° | 143.2 rpm                     |
|                                     | EtoE | 195.4 rpm                     |
| Tilt Range                          |      | 270°                          |
| Tilt Speed<br>(End to End or range) | 180° | 84.2 rpm                      |
|                                     | EtoE | 106.5 rpm                     |
| Resolution                          |      | 8- or 16-bit                  |
| Calibration Time                    |      | 42 sec                        |
| Position Correction System          |      | Yes / Automatic repositioning |
| Follow Spot Modes                   |      | Tracking system               |

| COLOUR SYSTEM        |                                                                              |
|----------------------|------------------------------------------------------------------------------|
| Colour System(s)     | RGB-L with 4.29 billions colours                                             |
| Control              | RGB-L 8-bit                                                                  |
| CTO                  | Virtual Wheel                                                                |
| Variable CTP         | 2500 to 8000 K                                                               |
| Colour Wheel         | Virtual colour wheel, including most usuals white colour temperature presets |
| Colour Wheel Effects | N/A                                                                          |

| GOBOS                  |     |
|------------------------|-----|
| Indexing Wheel         | N/A |
| Indexing Gobos         | N/A |
| Gobo Diameter (Index)  | N/A |
| Image Diameter (Index) | N/A |
| Static Wheel           | N/A |
| Static Gobos           | N/A |
| Gobo Diameter (Fix)    | N/A |
| Image Diameter (Fix)   | N/A |
| Gobo Thickness         | N/A |
| Animation Wheel        | N/A |
| Animation Details      | N/A |

## TECHNICAL SPECIFICATIONS

| PERFORMANCE                                                         |        |                                   |
|---------------------------------------------------------------------|--------|-----------------------------------|
| LED board out (Sphere)                                              |        | 15,000 lm                         |
| Fixture Output (Sphere)                                             |        | 10,012 lm (Fan Mode Auto)         |
|                                                                     |        | 10,842 lm (Fan Mode Stage)        |
|                                                                     |        | 8,182 lm (Fan Mode Silence)       |
|                                                                     |        | 5,209 lm (Fan Mode Super Silence) |
| Fixture Output (Goniometer) balanced white                          |        | 7,910 lm                          |
| Field Lumens (Goniometer)                                           | Narrow | 4,895 lm                          |
|                                                                     | Middle | N/A                               |
|                                                                     | Wide   | 8,848 lm                          |
| Lumen Per Watt (LPW)<br>Max fixture output / 230 V<br>Typical power |        | 18                                |
| CCT balanced white                                                  |        | 6,500 K                           |
| Δ uv balanced white                                                 |        | 0.0047                            |
| CRI balanced white                                                  |        | Ra: 77 (±2)                       |
| With TrueColour Enhancer™ Filter                                    |        | > 86                              |
| Tm30 balanced white                                                 |        | Rf: 82,8 Rg: 112,3                |
| TLCI balanced white                                                 |        | 66                                |
| CQS balanced white                                                  |        | 86.8                              |

| IMAGING          |                                                                                                                                                                                                                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Framing          | N/A                                                                                                                                                                                                                                                                                                   |
| Framing Rotation | N/A                                                                                                                                                                                                                                                                                                   |
| Iris             | N/A                                                                                                                                                                                                                                                                                                   |
| Frost            | N/A                                                                                                                                                                                                                                                                                                   |
| Effect           | <ul style="list-style-type: none"> <li>2D &amp; 3D graphical effects capabilities</li> <li>Effects can be coupled with beam, wash or matrix applications</li> <li>Built-in pattern effects with speed and fade controls for scenic applications</li> <li>Individual control of each pixels</li> </ul> |

| CONNECTORS |                         |
|------------|-------------------------|
| Power      | In/Thru powerCON True 1 |
| DMX        | In/Thru 5 Pin XLR       |
| Network    | In/Thru RJ45            |
| Wireless   | DMX Only                |

| CONTROL              |                                                |
|----------------------|------------------------------------------------|
| DMX Control          | DMX (USITT DMX-512-A)<br>RDM (ANSI/ESTA E1.20) |
| Transceiver/Receiver | RS-485 with Opto Isolation                     |
| DMX Modes            | 4+3 User modes                                 |
| Channel Count        | 26/37/46/86 Modes                              |
| DMX Chart            | Scan the QR code on page 5                     |
| Network Protocols    | ArtNet & sACN                                  |
| Local Control        | Colour LCD Panel<br>5 Menu Buttons<br>NFC      |
| Stand Alone Mode     | Leader/Follower, presets 250                   |
| RDM Functions        | Yes                                            |
| Wireless DMX         | CRMX TiMo RDM receiver                         |
| E-Sim Ready          | Optional                                       |
| USB Port             | No                                             |

| THERMAL                                          |                           |
|--------------------------------------------------|---------------------------|
| Max Surface Temperature, steady state, at Ta 40° | 85 °C (185 °F)            |
| Max Ambient Temperature (Ta Max)                 | 45 °C (113 °F)            |
| Min Ambient Temperature (Ta Min)                 | -20 °C (-4 °F)            |
| Total Heat Dissipation (Calculated +/- 10%)      | 156 BTU p/h 490 W @ 230 V |
| Minimum distance to illuminated surface          | 1 m (3.28 ft)             |
| Minimum distance to combustible surface          | 3 m (9.84 ft)             |
| Thermal Protection system                        | Yes                       |
| Cooling modes                                    | See Acoustics             |
| Cooling System                                   | Advanced Liquid Cooling   |

## TECHNICAL SPECIFICATIONS

| ACOUSTICS STATIC |                  |                 |
|------------------|------------------|-----------------|
| Fan Mode         | dBA <sup>1</sup> | NC <sup>2</sup> |
| Auto             | 35.7             | 28              |
| Stage            | 40               | 33              |
| Silence/Studio   | 28.6             | 19              |
| Super Silence    | 21.9             | N/A             |

| DYNAMIC        |                  |                 |
|----------------|------------------|-----------------|
| Mode           | dBA <sup>1</sup> | NC <sup>2</sup> |
| Auto           | 44.3             | 30              |
| Stage          | 44.9             | 34              |
| Silence/Studio | 44.5             | 31              |
| Super Silence  | 37.7             | 23              |

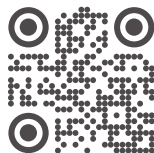
1. Measured @ 1m Static, 10 dBA ambient

2. Noise Criterion

[https://www.engineeringtoolbox.com/nc-noise-criterion-d\\_517.html](https://www.engineeringtoolbox.com/nc-noise-criterion-d_517.html)

| ENVIRONMENTAL                                                                                                         |                                                                                |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| IP Rating                                                                                                             | IP 65                                                                          |
| Salt Spray Testing                                                                                                    | Pending                                                                        |
| Estimated embodied carbon including:<br>▪ A1 – Raw materials of fixture and packaging<br>▪ A3 – Product manufacturing | 149.4 kg CO <sub>2</sub> e/fixture                                             |
| Recycling options                                                                                                     | Packaging widely recyclable. Cardboard is made of recycled pulp <sup>3</sup> . |
| SIP Optional                                                                                                          | Yes                                                                            |

Our Environmental Commitment



3. Up to 92%

| WARRANTY   |         |
|------------|---------|
| Fixture    | 2 years |
| LED Engine | 2 years |

From date of invoice

| INSTALLATION         |                                                                                                                                                                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Orientation          | Any                                                                                                                                                                                                                                                                                                 |
| Mounting attachments | <ul style="list-style-type: none"> <li>Fastening brackets system: two Omega 1/4 turn brackets designed for use with standard clamps</li> <li>Mounting points: four 1/4 turn locking fittings allowing installation of Omega brackets on luminaire</li> <li>Safety cable attachment point</li> </ul> |
| Installation version | Yes IP66                                                                                                                                                                                                                                                                                            |

| CONSTRUCTION |                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Colour       | Carbon Black Standard<br>Custom colours on request                                                                                                                                                                                                                                                                                                                                                    |
| Materials    | <ul style="list-style-type: none"> <li>Moving-head skeleton made of aluminium and steel metal plates</li> <li>Head in die-cast aluminium</li> <li>Base in die-cast aluminium</li> <li>Heatsinks in aluminium</li> <li>Arms and head in self-extinguishing fire retardant ABS PC (VO class)</li> <li>Two-side handles for transportation</li> <li>Four heavy-duty feet for better stability</li> </ul> |

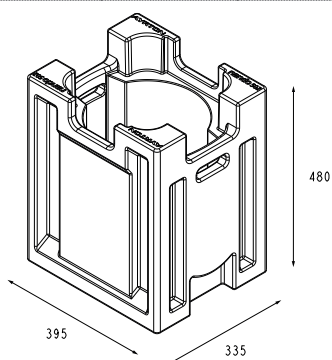
| INCLUDED ITEMS                         |                                                                                                                                                                                                                                                                                                               |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manual                                 | 1                                                                                                                                                                                                                                                                                                             |
| OMEGA brackets with quarter-turn locks | 2                                                                                                                                                                                                                                                                                                             |
| Cables                                 | <ul style="list-style-type: none"> <li>IP65: 1 cable PowerCON True1 TOP to bare end, 1.5m</li> <li>IP66: DMX IN / OUT tails to bare end for IP66 DMX connection</li> <li>Ethernet IN / OUT tails to bare end for IP66 ArtNet™ connection</li> <li>Power tail to bare end for IP66 power connection</li> </ul> |
| Other accessories                      | N/A                                                                                                                                                                                                                                                                                                           |

## TECHNICAL SPECIFICATIONS

### PHYSICAL

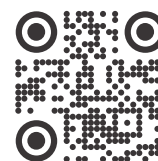
| Fixture                            |                   |
|------------------------------------|-------------------|
| Length                             | 342 mm (13.5 in)  |
| Height                             | 447 mm (17.6 in)  |
| Depth                              | 268 mm (10.5 in)  |
| Weight                             | 15.6 kg (30.4 lb) |
| Shipping Dimensions (without foam) |                   |
| Length                             | 460 mm (18.1 in)  |
| Height                             | 580 mm (22.8 in)  |
| Depth                              | 385 mm (15.2 in)  |
| Weight                             | 23.1 kg (50.9 lb) |
| Shipping Dimensions (with foam)    |                   |
| Length                             | 400 mm (15.7 in)  |
| Height                             | 565 mm (22.2 in)  |
| Depth                              | 340 mm (13.4 in)  |
| Weight                             | 23.1 kg (50.9 lb) |
| In SIP Dimensions                  |                   |
| Length                             | 395 mm (15.55 in) |
| Height                             | 480 mm (18.9 in)  |
| Depth                              | 335 mm (13.2 in)  |
| Weight (excl fixture)              | 8 kg (17.6 lb)    |

SIP Drawing



### SUPPORTING DOCUMENTS

|                                   |
|-----------------------------------|
| <a href="#">Manual</a>            |
| <a href="#">GDTF Profile</a>      |
| <a href="#">GMA Profile</a>       |
| <a href="#">IES FILE</a>          |
| <a href="#">DMX Chart</a>         |
| <a href="#">Photometric Files</a> |
| <a href="#">Software</a>          |
| <a href="#">Warranty</a>          |



### COMPLIANCE

|                              |                                                                                                                  |
|------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>EU (EMC &amp; LVD)</b>    | <ul style="list-style-type: none"> <li>• EMC Directive 2014/30/EU</li> <li>• LVD Directive 2014/35/EU</li> </ul> |
| <b>US (Safety &amp; EMC)</b> | <ul style="list-style-type: none"> <li>• UL 1573</li> <li>• FCC Part 15, Subpart B: 2021</li> </ul>              |
| <b>Substance Regulations</b> | <ul style="list-style-type: none"> <li>▪ RoHS</li> <li>▪ REACH</li> <li>▪ CP65</li> </ul>                        |
| <b>Declarations</b>          | Scan the QR code above                                                                                           |

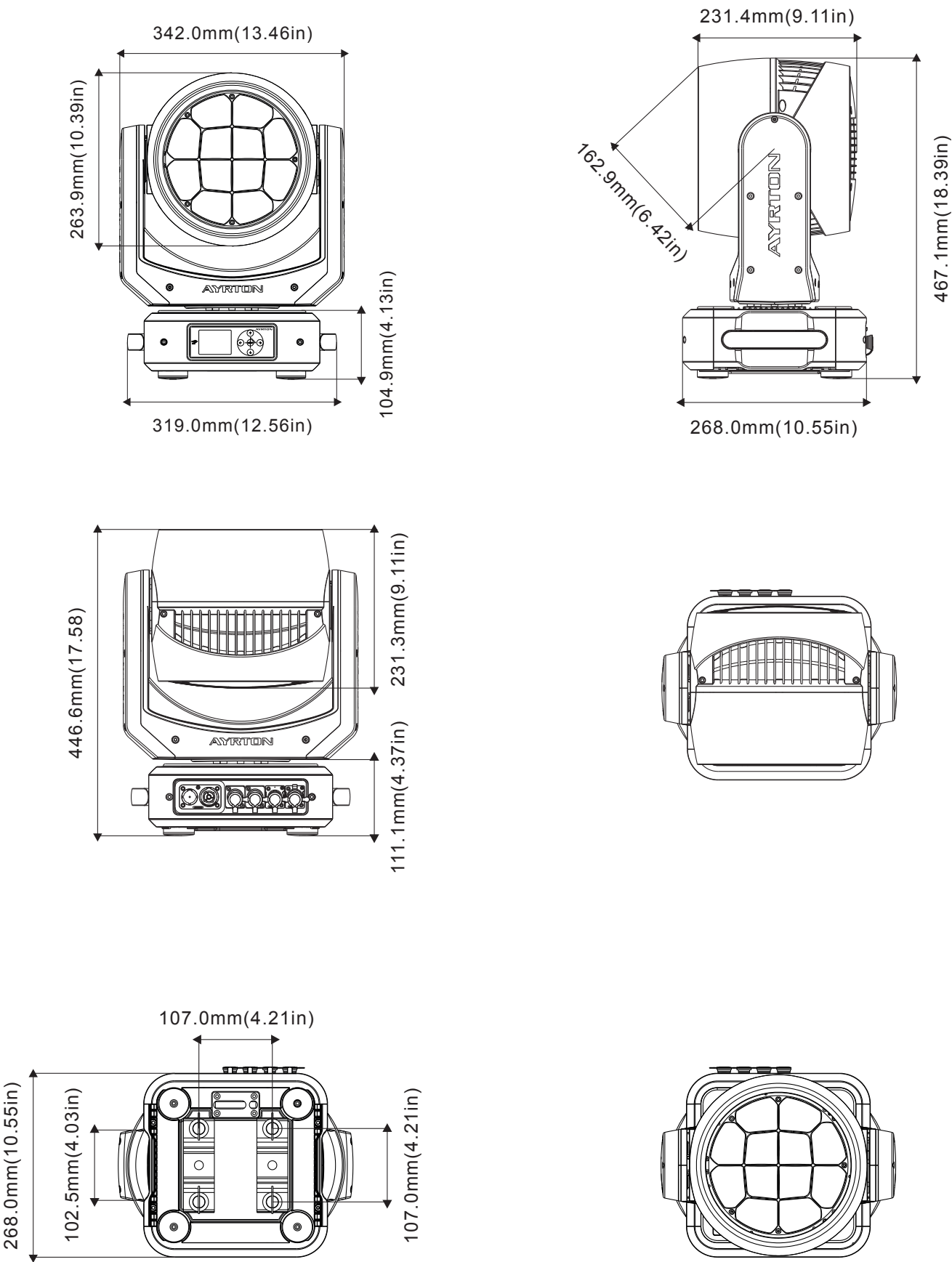
### ORDERING DETAILS

|                |        |
|----------------|--------|
| Nando 502 Wash | 013420 |
|----------------|--------|

### ACCESORIES

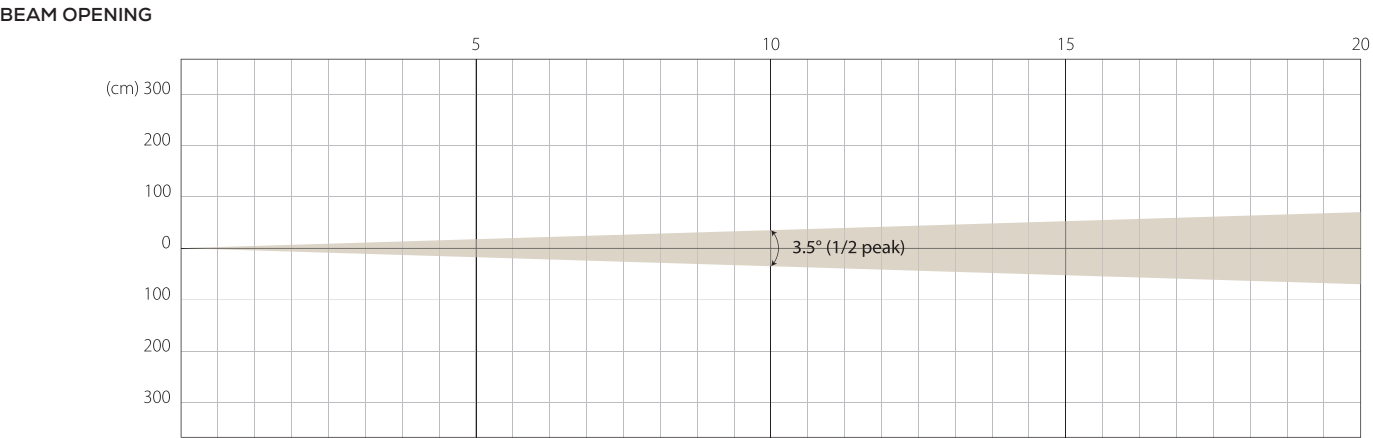
|              |        |
|--------------|--------|
| IP Test Kit  | 048250 |
| Lynx Control | 045130 |

TECHNICAL SPECIFICATIONS



AUTO MODE: PHOTOMETRIC DETAIL

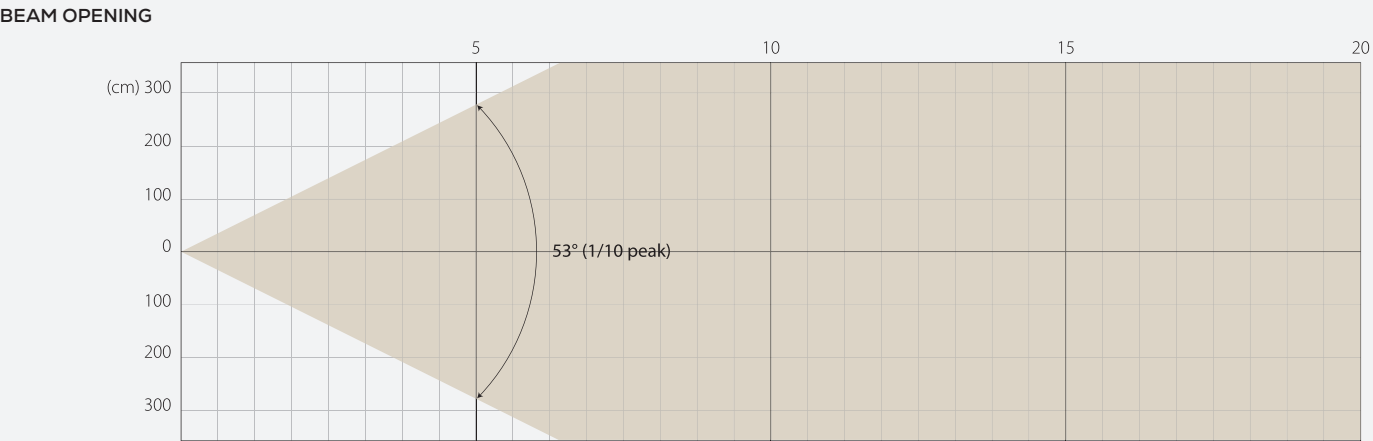
MIN ZOOM



INTENSITY

| Distance (m) | 5     |          | 10    |          | 15   |          | 20   |          |
|--------------|-------|----------|-------|----------|------|----------|------|----------|
| unit         | lux   | diameter | lux   | diameter | lux  | diameter | lux  | diameter |
| Red          | 8359  | 0.35     | 2090  | 0.7      | 929  | 1.05     | 522  | 1.4      |
| Green        | 19583 | "        | 4896  | "        | 2176 | "        | 1224 | "        |
| Blue         | 4231  | "        | 1058  | "        | 470  | "        | 264  | "        |
| Lime         | 23909 | "        | 5977  | "        | 2656 | "        | 1494 | "        |
| RGB-L        | 47979 | "        | 11994 | "        | 5331 | "        | 2999 | "        |

MAX ZOOM



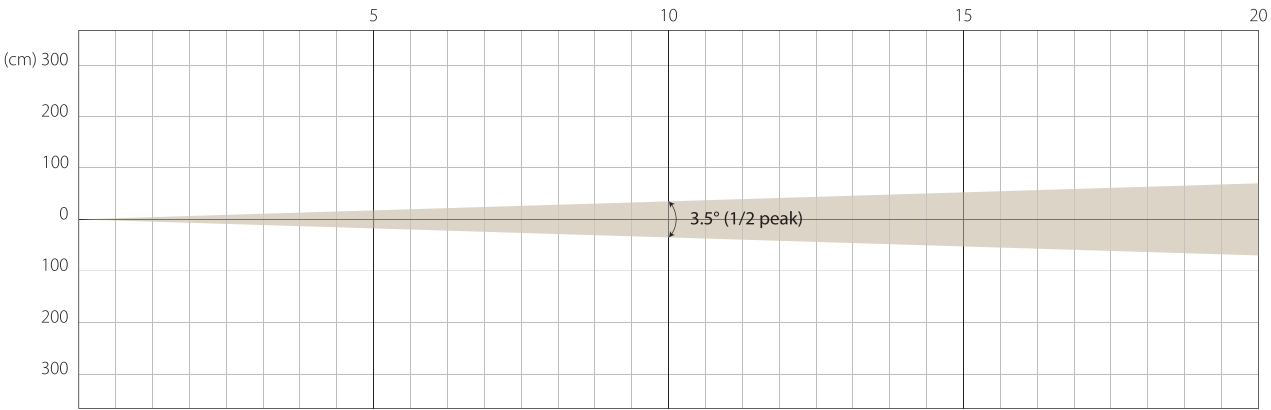
INTENSITY

| Distance (m) | 5   |          | 10  |          | 15  |          | 20  |          |
|--------------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | lux | diameter | lux | diameter | lux | diameter | lux | diameter |
| Red          | 187 | 5.54     | 46  | 11.09    | 21  | 16.63    | 12  | 22.17    |
| Green        | 385 | "        | 96  | "        | 43  | "        | 24  | "        |
| Blue         | 84  | "        | 21  | "        | 9   | "        | 5   | "        |
| Lime         | 471 | "        | 117 | "        | 52  | "        | 29  | "        |
| RGB-L        | 958 | "        | 239 | "        | 107 | "        | 60  | "        |

STAGE MODE: PHOTOMETRIC DETAIL

MIN ZOOM

BEAM OPENING

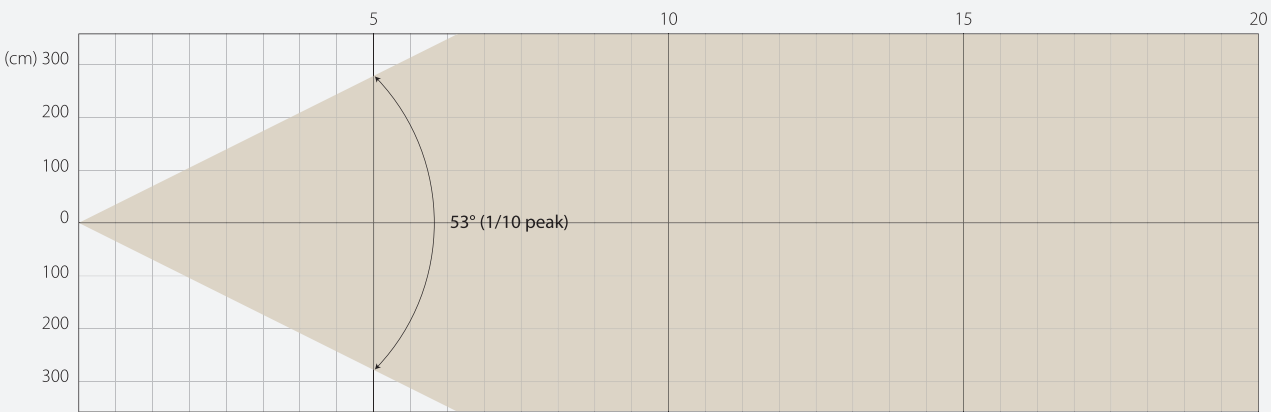


INTENSITY

| Distance (m) | 5     |          | 10    |          | 15   |          | 20   |          |
|--------------|-------|----------|-------|----------|------|----------|------|----------|
| unit         | lux   | diameter | lux   | diameter | lux  | diameter | lux  | diameter |
| Red          | 8777  | 0.35     | 2195  | 0.7      | 975  | 1.05     | 548  | 1.4      |
| Green        | 20562 | "        | 5141  | "        | 2285 | "        | 1285 | "        |
| Blue         | 4443  | "        | 1111  | "        | 494  | "        | 277  | "        |
| Lime         | 25104 | "        | 6276  | "        | 2789 | "        | 1569 | "        |
| RGB-L        | 50378 | "        | 12594 | "        | 5598 | "        | 3149 | "        |

MAX ZOOM

BEAM OPENING

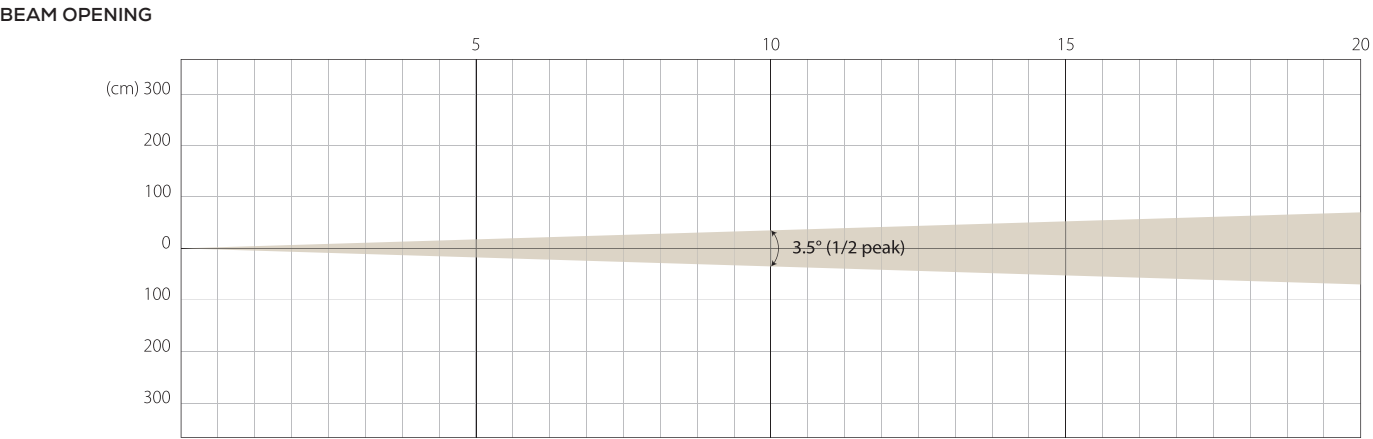


INTENSITY

| Distance (m) | 5    |          | 10  |          | 15  |          | 20  |          |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|
| unit         | lux  | diameter | lux | diameter | lux | diameter | lux | diameter |
| Red          | 196  | 5.54     | 48  | 11.09    | 22  | 16.63    | 13  | 22.17    |
| Green        | 404  | "        | 101 | "        | 45  | "        | 25  | "        |
| Blue         | 88   | "        | 22  | "        | 9   | "        | 5   | "        |
| Lime         | 495  | "        | 123 | "        | 55  | "        | 30  | "        |
| RGB-L        | 1006 | "        | 251 | "        | 112 | "        | 63  | "        |

SILENCE MODE: PHOTOMETRIC DETAIL

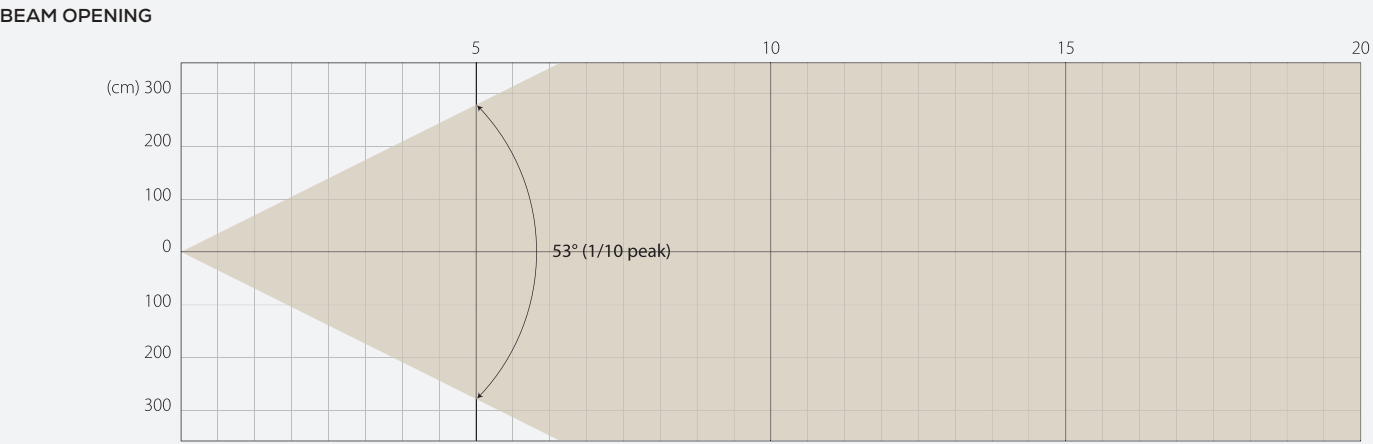
MIN ZOOM



INTENSITY

| Distance (m) | 5     |          | 10   |          | 15   |          | 20   |          |
|--------------|-------|----------|------|----------|------|----------|------|----------|
| unit         | lux   | diameter | lux  | diameter | lux  | diameter | lux  | diameter |
| Red          | 6353  | 0.35     | 1588 | 0.7      | 706  | 1.05     | 397  | 1.4      |
| Green        | 14883 | "        | 3721 | "        | 1654 | "        | 930  | "        |
| Blue         | 3216  | "        | 804  | "        | 357  | "        | 201  | "        |
| Lime         | 18171 | "        | 4543 | "        | 2019 | "        | 1135 | "        |
| RGB-L        | 36464 | "        | 9115 | "        | 4052 | "        | 2279 | "        |

MAX ZOOM



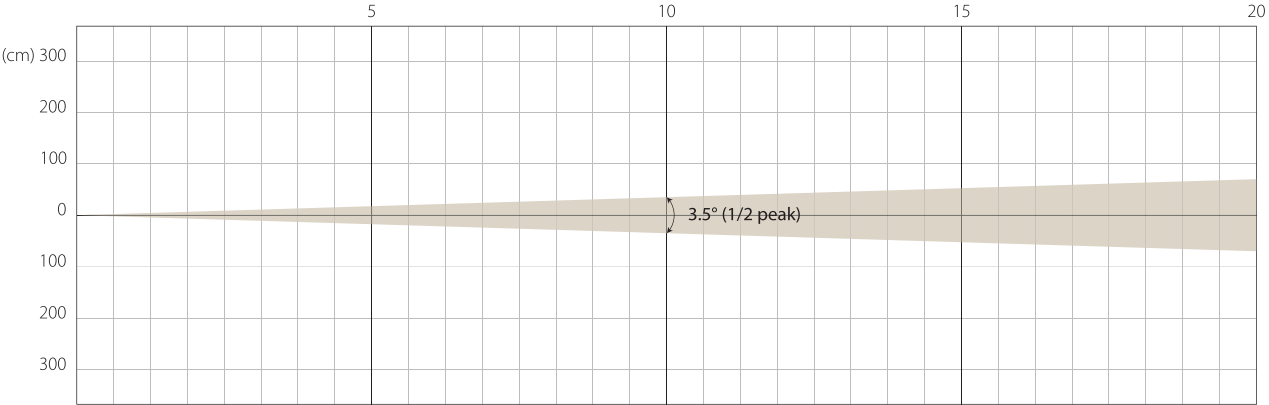
INTENSITY

| Distance (m) | 5   |          | 10  |          | 15  |          | 20  |          |
|--------------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | lux | diameter | lux | diameter | lux | diameter | lux | diameter |
| Red          | 142 | 5.54     | 35  | 11.09    | 16  | 16.63    | 9   | 22.17    |
| Green        | 293 | "        | 73  | "        | 33  | "        | 18  | "        |
| Blue         | 64  | "        | 16  | "        | 7   | "        | 4   | "        |
| Lime         | 358 | "        | 89  | "        | 40  | "        | 22  | "        |
| RGB-L        | 728 | "        | 182 | "        | 81  | "        | 46  | "        |

SUPER SILENCE MODE: PHOTOMETRIC DETAIL

MIN ZOOM

BEAM OPENING

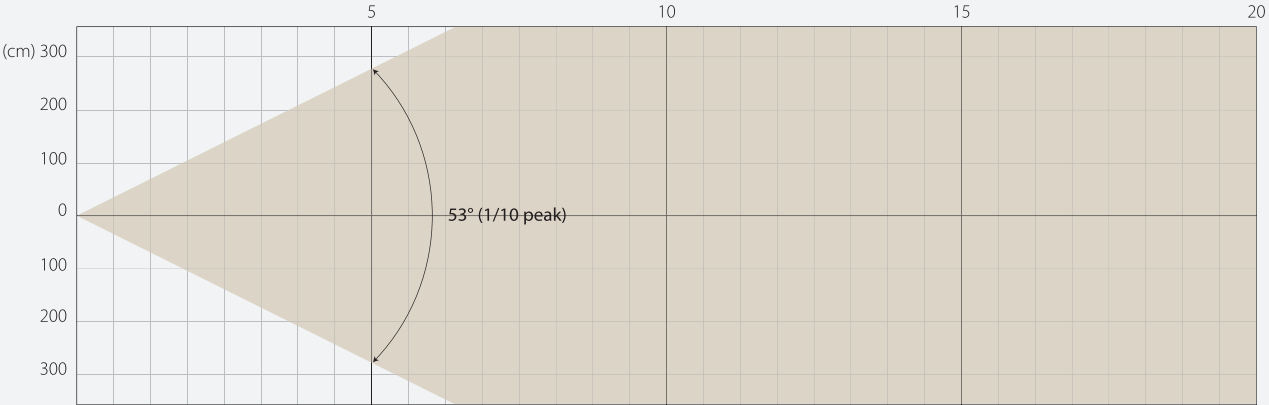


INTENSITY

| Distance (m) | 5     |          | 10   |          | 15   |          | 20   |          |
|--------------|-------|----------|------|----------|------|----------|------|----------|
| unit         | lux   | diameter | lux  | diameter | lux  | diameter | lux  | diameter |
| Red          | 3678  | 0.35     | 920  | 0.7      | 409  | 1.05     | 230  | 1.4      |
| Green        | 8617  | "        | 2154 | "        | 957  | "        | 539  | "        |
| Blue         | 1862  | "        | 466  | "        | 207  | "        | 116  | "        |
| Lime         | 10520 | "        | 2630 | "        | 1169 | "        | 657  | "        |
| RGB-L        | 21111 | "        | 5277 | "        | 2346 | "        | 1320 | "        |

MAX ZOOM

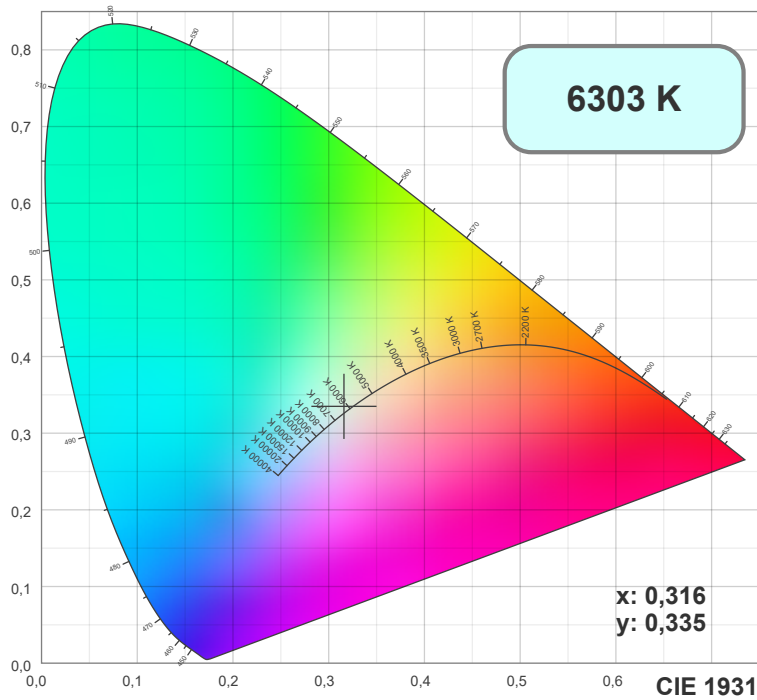
BEAM OPENING



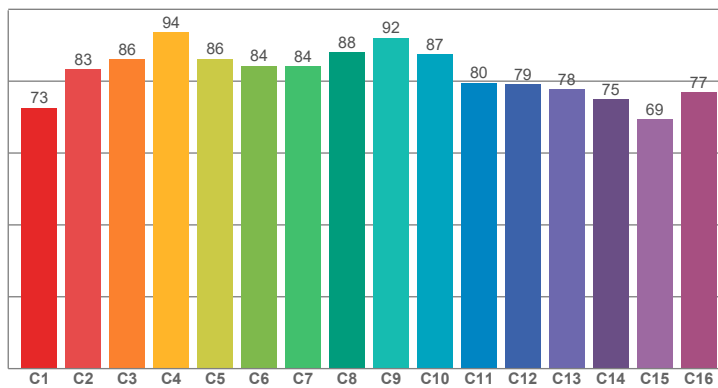
INTENSITY

| Distance (m) | 5   |          | 10  |          | 15  |          | 20  |          |
|--------------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | lux | diameter | lux | diameter | lux | diameter | lux | diameter |
| Red          | 82  | 5,54     | 20  | 11,09    | 9   | 16,63    | 5   | 22,17    |
| Green        | 169 | "        | 42  | "        | 19  | "        | 11  | "        |
| Blue         | 37  | "        | 9   | "        | 4   | "        | 2   | "        |
| Lime         | 207 | "        | 51  | "        | 23  | "        | 13  | "        |
| RGB-L        | 422 | "        | 105 | "        | 47  | "        | 26  | "        |

## COLOUR PARAMETERS



TM30: 82,8



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   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| 82,46 | 94,92 | 68,41 | 70,92 | 88,05 | 91,38 | 74,91 | 50,80 | -17,06 | 84,70 | 63,90 | 66,80 | 88,92 | 80,94 | 72,24 |

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

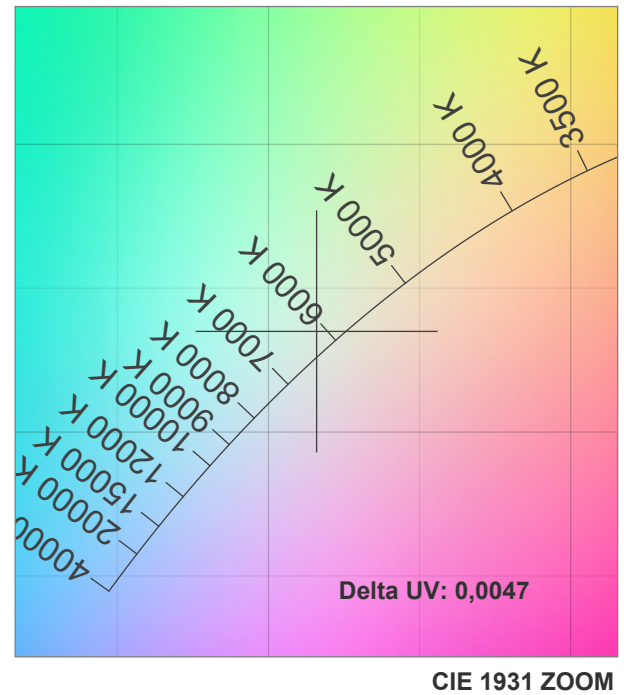
| C1    | C2    | C3    | C4    | C5    | C6    | C7    | C8    | C9    | C10   | C11   | C12   | C13   | C14   | C15   | C16   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 72,63 | 83,33 | 86,02 | 93,56 | 86,17 | 84,23 | 84,13 | 88,01 | 92,07 | 87,49 | 79,53 | 79,12 | 77,79 | 74,98 | 69,34 | 76,86 |

CQS Q values

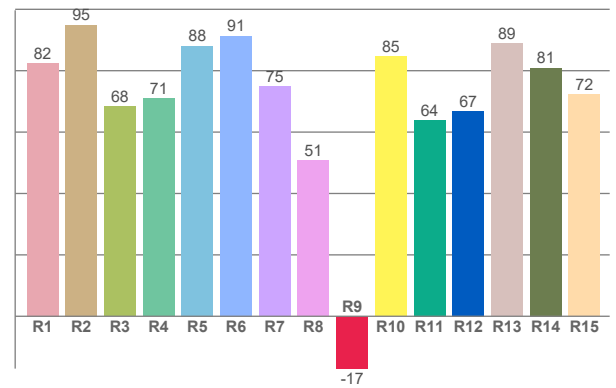
| Q1    | Q2    | Q3    | Q4    | Q5    | Q6    | Q7    | Q8    | Q9    | Q10   | Q11   | Q12   | Q13   | Q14   | Q15   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 83,59 | 93,85 | 82,44 | 94,19 | 89,49 | 85,09 | 93,23 | 88,57 | 81,18 | 91,97 | 92,07 | 82,25 | 77,78 | 91,74 | 90,04 |

## Color parameters

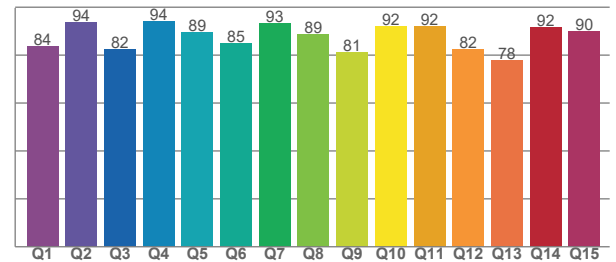
| CCT    | CRI  | CRI R9 | TM30 Rf | TM30 Rg | CQS  | x   | y   | u   | v   | Duv    |
|--------|------|--------|---------|---------|------|-----|-----|-----|-----|--------|
| 6303 K | 77,7 | -17,1  | 82,8    | 112,3   | 86,8 | 0,3 | 0,3 | 0,2 | 0,3 | 0,0014 |



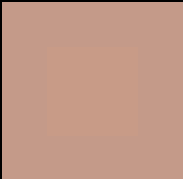
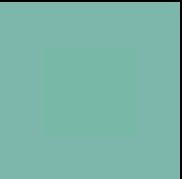
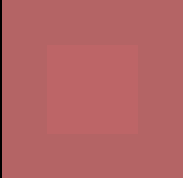
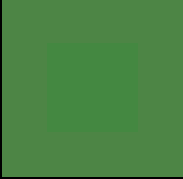
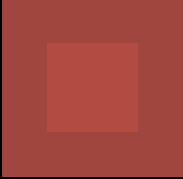
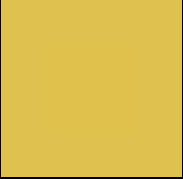
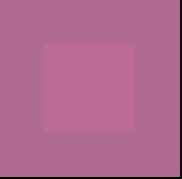
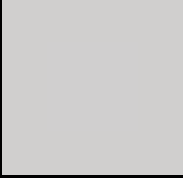
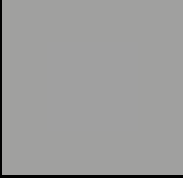
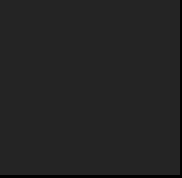
CRI: 77,7 (R1-R8)



CQS: 86,8



TLCI-66

|                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                      |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|   |   |   |   |   |   |
| Dark skin                                                                          | Light skin                                                                         | Blue sky                                                                           | Foliage                                                                            | Blue flower                                                                          | Bluis green                                                                          |
|   |   |   |   |   |   |
| Orange                                                                             | Purplish blue                                                                      | Moderate red                                                                       | Purple                                                                             | Yellow green                                                                         | Orange yellow                                                                        |
|   |   |   |   |   |   |
| Blue                                                                               | Green                                                                              | Red                                                                                | Yellow                                                                             | Magenta                                                                              | Cyan                                                                                 |
|  |  |  |  |  |  |
| White 90.01%                                                                       | Neutral 8, 59.1%                                                                   | Neutral 6.5, 36.2%                                                                 | Neutral 5, 19.77%                                                                  | Neutral 3.5, 9%                                                                      | Black 3.13%                                                                          |