



EagleStrike represents the evolution of Ayrton's precision lighting philosophy – a fixture purpose-built for true Long Throw use, engineered to deliver clean, controlled, and intensely bright beams over long distances. Every component, from optical elements to control options, has been designed with one clear objective: flexibility.

Its optical system prioritises beam integrity and efficiency at extremely narrow zoom angles, ensuring sharp edges and consistent brightness across any distance. Mechanical assemblies have been refined to balance precision and durability, while the optical coatings and materials maintain stability under extreme heat and continuous operation. Together, these features make EagleStrike not just a high-output light source, but a specialised performance tool – ideal for theatres, concerts, and broadcast applications where accurate, flattering illumination of people is critical.

## ★ KEY FEATURES

### ➤ Ultra-Narrow Zoom Range

EagleStrike delivers an exceptionally tight beam, with a zoom range that closes down to 2.9°. The optical design follows the same high-efficiency principles first developed for Stradale, with every lens and mechanism tuned for minimal light loss. Performance at narrow angles takes priority, providing the intensity and precision required for large venues.

### ➤ Beam Reducers and Optical Efficiency

For even narrower projection, EagleStrike includes two beam reducers on the first gobo wheel, positioned perfectly at the focal plane. This ensures no brightness loss when engaged and far greater efficiency than an iris. Because the fixture is designed primarily for beam work, the reducers take precedence over framing alignment to maximise lux.

### ➤ Advanced Materials and Thermal Control

EagleStrike's gobo wheels combine glass and metal to balance fine detail with durability under heat. Metal reducers and gobos resist warping and colour shift, while glass designs are used where intricate patterns are required. The framing system also benefits from reflective, heat-resistant coatings that maintain performance and protect against temperature-related degradation.

### ➤ Tracking Software Modes

Dedicated internal modes optimise movement and responsiveness for tracking performers. The 360SC mode limits pan rotation to a 360° range, eliminating flips and ensuring smooth transitions. FS Mode increases motor responsiveness, allowing the fixture to follow fast or unpredictable motion with remarkable fluidity and control.

### ➤ Camera and Colour Integration

EagleStrike supports optional camera housings for integration with automated tracking systems, while maintaining full IP65 protection. Its 6500 K native temperature provides a neutral white base, adjustable down to 2900 K via smooth CTO control. Additional filters offer precise colour correction for glass gobos, camera work, and high-CRI applications, ensuring accurate skin tones and natural colour reproduction.

## TECHNICAL SPECIFICATIONS

| SOURCE                  |                                                    |
|-------------------------|----------------------------------------------------|
| Engine                  | LED Mono Block, Sealed, White                      |
| LED Watts               | 1200 W (total fixture use, see Electrical section) |
| 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      | 1450 W                             |
| Standby Consumption        | 131 W @ 220V                       |
| Voltage Range              | 120-240 V, 50-60 Hz                |
| Current (Max)              | 5.84 A @ 230 V / 11.3 A @ 120 V    |
| Inrush (Half Cycle)        | 30 A @ 230 V                       |
| Total Fixtures per Circuit | 5.84A @ 230/240 V / 11.3 A @ 120 V |
| Connector                  | PowerCON True1 TOP                 |
| Power Supply Unit          | Active PFC                         |
| Contains Battery           | N/A                                |

| TYPICAL POWER AND CURRENT |                          |
|---------------------------|--------------------------|
| 120V , 60Hz               | 11.3 A, 1330 W, PF 0.989 |
| 208V, 60Hz                | 6.43 A, 1300 W, PF 0.972 |
| 230V, 50Hz                | 5.84 A, 1295 W, PF 0.965 |
| 240V, 50Hz                | 5.56 A, 1293 W, PF 0.963 |

| OPTICAL PERFORMANCE |                   |
|---------------------|-------------------|
| Lens Size           | 270 mm (10.63 in) |
| Zoom Range          | 2.9° to 43°       |
| Zoom Ratio          | 15:1              |
| Gate Size           | 23 mm             |

| MOVEMENT                         |                               |           |
|----------------------------------|-------------------------------|-----------|
| Pan Range                        | Infinite                      |           |
| Pan Speed (End to End or range)  | 180 °                         | 55.8rpm   |
|                                  | 360 °                         | 100.6 rpm |
|                                  | EtoE                          | 134.6 rpm |
| Tilt Range                       | 270 °                         |           |
| Tilt Speed (End to End or range) | 180 °                         | 57.1 rpm  |
|                                  | 360 °                         | 104.6 rpm |
|                                  | EtoE                          | 81.8 rpm  |
| Resolution                       | 8- or 16-bit                  |           |
| Calibration Time                 | 74 sec                        |           |
| Position Correction System       | Yes / Automatic repositioning |           |
| Follow Spot Modes                | Manual & Tracking system      |           |

| COLOUR SYSTEM        |                                       |
|----------------------|---------------------------------------|
| Colour System(s)     | CMY, CTO and 11 Colour Filters        |
| Control              | CMY 16-bit & 8-bit                    |
| CTO                  | 2900 K - 6500 K                       |
| Colour Wheel         | Two Static Wheels. 11 colour filters. |
| Colour Wheel Effects | Continuous Rotation                   |

| GOBOS                    |                                         |
|--------------------------|-----------------------------------------|
| Indexing Wheel           | 2                                       |
| Indexing Gobos (Wheel 1) | 5 glass gobo & 2 beam reducer           |
| Gobo Diameter            | 30 mm                                   |
| Image Diameter           | 19 mm                                   |
| Gobo Thickness           | See p.7                                 |
| Indexing Gobos (Wheel 2) | 5 metal & 2 multi-colour gobos          |
| Gobo Diameter            | 30 mm                                   |
| Image Diameter           | 19 mm                                   |
| Gobo Thickness           | See p.7                                 |
| Animation Wheel          | Yes                                     |
| Animation Details        | Bi-Directional with continuous rotation |

## TECHNICAL SPECIFICATIONS

| PERFORMANCE                                                         |        |                                          |
|---------------------------------------------------------------------|--------|------------------------------------------|
| LED engine output (Sphere)                                          |        | 82,000 lm                                |
| Fixture Output (Sphere)                                             |        | 54,000 lm (Fan Mode Auto)                |
|                                                                     |        | 55,000 lm (Fan Mode Stage)               |
|                                                                     |        | 36,000 lm (Fan Mode Silence)             |
|                                                                     |        | 30,000 lm (Fan Mode Super Silence)       |
| Fixture Output (Goniometer)                                         |        | 48,000 lm (Fan Mode Auto after derating) |
| Field Lumens (Goniometer)                                           | Narrow | 20,500 lm                                |
|                                                                     | Middle | 49,000 lm                                |
|                                                                     | Wide   | 43,500 lm                                |
| Lumen Per Watt (LPW)<br>Max fixture output / 230 V<br>Typical power |        | 37.8                                     |
| CCT                                                                 |        | 6500 K                                   |
| $\Delta uv$                                                         |        | TBC                                      |
| CRI                                                                 |        | 70 $\pm$ 2                               |
| Tm30                                                                |        | Rf: 70.9 Rg: 94                          |
| TLCI                                                                |        | 47                                       |
| CQS                                                                 |        | 69                                       |

| IMAGING          |                                                                                                                                                                                                                                                |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Framing          | 4 Blade - 4 Plain Full Swipe                                                                                                                                                                                                                   |
| Framing Rotation | +/- 90°                                                                                                                                                                                                                                        |
| Iris             | 15 Leaf - 15% to 100% (Open)                                                                                                                                                                                                                   |
| Frost            | 2 Frost filters: Light 1° & Heavy 5°                                                                                                                                                                                                           |
| Effects          | <ul style="list-style-type: none"> <li>▪ Focusable graphic animation effect-wheel with continuous rotation in both directions</li> <li>▪ 2xPrisms: One 5-facet circular &amp; One 4-facet linear indexable, rotating and combinable</li> </ul> |

| CONNECTORS |                                    |
|------------|------------------------------------|
| Power      | In PowerCON True1 TOP              |
| DMX        | IP65 In/Thru 5 Pin XLR             |
| Network    | IP65 In/Thru RJ45 + one for Camera |
| Wireless   | DMX Only                           |

| CONTROL              |                                               |
|----------------------|-----------------------------------------------|
| DMX Control          | DMX (USITT DMX-512A)<br>RDM (ANSI/ESTA E1.20) |
| Transceiver/Receiver | RS-485 with Opto Isolation                    |
| DMX Modes            | 2 User Modes (Extend, Stand)                  |
| Channel Count        | Extended - 66                                 |
| 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, 250 presets                |
| 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° | 80 °C (176 °F)                                                                                                                                       |
| Max Ambient Temperature (Ta Max)                 | 45 °C (113 °F)                                                                                                                                       |
| Min Ambient Temperature (Ta Min)                 | -20 °C (-4 °F)                                                                                                                                       |
| Total Heat Dissipation (Calculated +/- 10%)      | 4418 BTU/h                                                                                                                                           |
| Minimum distance to illuminated surface          | 6 m (19.69 ft)                                                                                                                                       |
| Minimum distance to combustible surface          | 0.1 m (0.33 ft)                                                                                                                                      |
| Thermal Protection system                        | Yes                                                                                                                                                  |
| Cooling modes                                    | See Acoustics                                                                                                                                        |
| Cooling System                                   | <ul style="list-style-type: none"> <li>▪ Advanced Liquid Cooling.</li> <li>▪ IP68 Self-adjusting variable speed fans for quiet operation.</li> </ul> |

## TECHNICAL SPECIFICATIONS

## ACOUSTICS STATIC

| Fan Mode       | dBA <sup>1</sup> | NC <sup>2</sup> |
|----------------|------------------|-----------------|
| Auto           | 47 dBA           | TBC             |
| Stage          | 50 dBA           | TBC             |
| Silence/Studio | 39 dBA           | TBC             |
| Super Silence  | 36 dBA           | TBC             |

## DYNAMIC

| Mode           | dBA <sup>1</sup> | NC <sup>2</sup> |
|----------------|------------------|-----------------|
| Auto           | TBC              | TBC             |
| Stage          | TBC              | TBC             |
| Silence/Studio | TBC              | TBC             |
| Super Silence  | TBC              | TBC             |

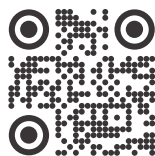
1. Measured @ 1m Static, 31dBA ambient

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                                                                                                                                                              | IP65 / IP66                                                                    |
| Salt Spray Testing                                                                                                                                                     | Pending                                                                        |
| Estimated embodied carbon including: <ul style="list-style-type: none"> <li>A1 - Raw materials of fixture and packaging</li> <li>A3 - Product manufacturing</li> </ul> | TBC                                                                            |
| 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 | 5 years |

From date of invoice

## INSTALLATION

|                      |                                                                                                                                                                                                                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Orientation          | Any                                                                                                                                                                                                                                                                                            |
| Mounting attachments | <ul style="list-style-type: none"> <li>Fastening bracket system: two Omega ¼ turn brackets designed for use with standard clamps.</li> <li>Mounting points: 8 ¼ 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</li> <li>Head in die-cast aluminium</li> <li>Base in die-cast composite alloy</li> <li>Heatsinks in aluminium and copper</li> <li>Arms in self-extinguishing fire retardant ABS PC (VO class)</li> <li>Four-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               <ul style="list-style-type: none"> <li>Ethernet IN / OUT tails to bare end for IP66 ArtNet™ connection</li> </ul> </li> <li>Power tail to bare end for IP66 power connection</li> </ul> |

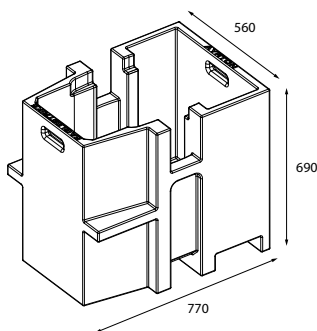
## OPTIONAL ITEM

|                  |                                                                                                                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera enclosure | <p>Compatible third-party cameras:</p> <ul style="list-style-type: none"> <li>EVERET EVZ230</li> <li>BZB Gear BG-BSHAN</li> </ul> <p>Requires customer intergration for setup and operation.</p> |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## TECHNICAL SPECIFICATIONS

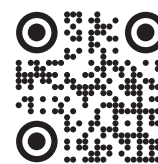
| PHYSICAL              |                     |
|-----------------------|---------------------|
| Fixture               |                     |
| Length                | 450 mm (17.72 in)   |
| Height                | 898 mm (35.35 in)   |
| Depth                 | 413 mm (16.25 in)   |
| Weight                | 54.7 kg (119.04 lb) |
| IP65                  |                     |
| Length                | 450 mm (17.72 in)   |
| Height                | 898 mm (35.35 in)   |
| Depth                 | 413 mm (16.25 in)   |
| Weight                | 54.7 kg (119.04 lb) |
| IP66                  |                     |
| Length                | 450 mm (17.72 in)   |
| Height                | 898 mm (35.35 in)   |
| Depth                 | 413 mm (16.25 in)   |
| Weight                | 54.7 kg (119.04 lb) |
| Shipping Dimensions   |                     |
| Length                | 778 mm (30.63 in)   |
| Height                | 843 mm (33.19 in)   |
| Depth                 | 568 mm (22.36 in)   |
| Weight                | 72.7 kg (160.28 lb) |
| In SIP Dimensions     |                     |
| Length                | 770 mm (30.31 in)   |
| Height                | 690 mm (27.16 in)   |
| Depth                 | 560 mm (22.04 in)   |
| Weight (excl fixture) | 12 kg (26.45 lb)    |

SIP Drawing



The camera enclosure may stay mounted on the fixture when the fixture is stored in the SIP.

## SUPPORTING DOCUMENTS

[Manual](#)[GDTF Profile](#)[GMA Profile](#)[IES File](#)[DMX Chart](#)[Software](#)[Warranty](#)

## COMPLIANCE

## EU (EMC &amp; LVD)

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

## US (Safety &amp; EMC)

- UL 1573
- FCC Part 15, Subpart B: 2023

## Substance Regulations

- RoHS
- REACH
- CP65

## Declarations

Scan the QR code above

## ORDERING DETAILS

EagleStrike

012840

## ACCESSORIES

IP Test Kit

048250

Lynx Control

045130

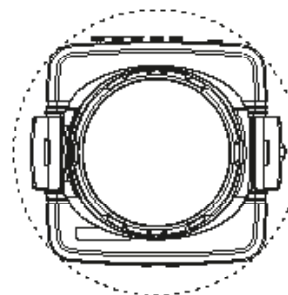
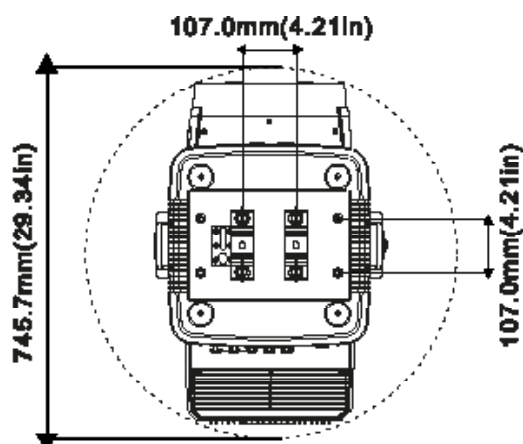
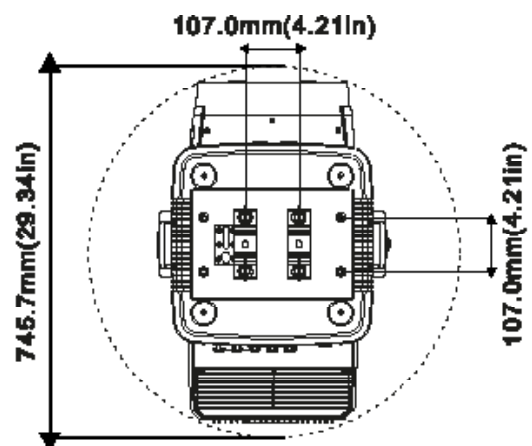
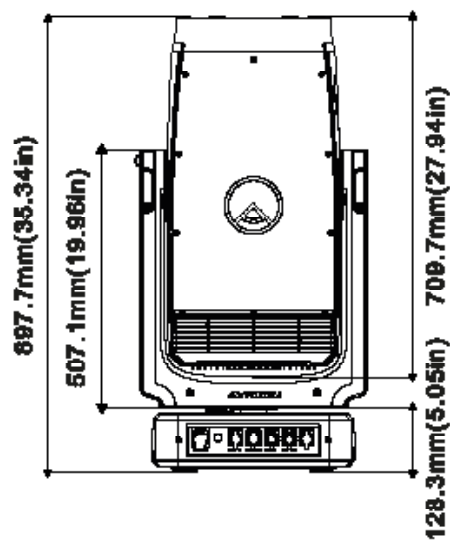
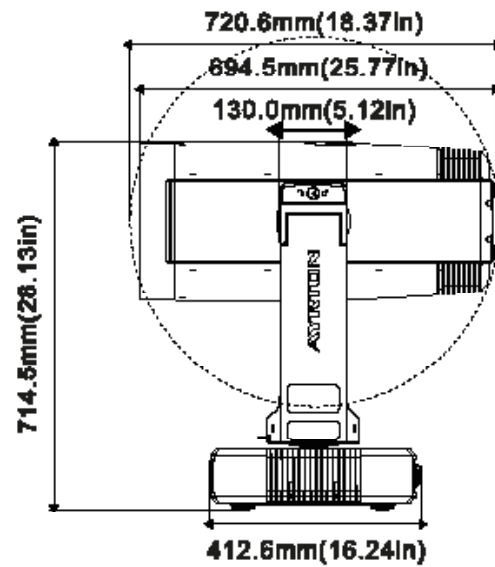
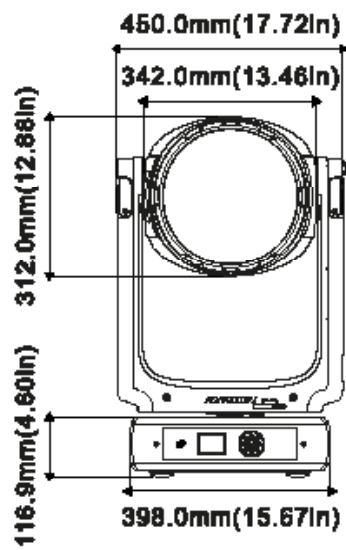
Omega Bracket

GP50501990353

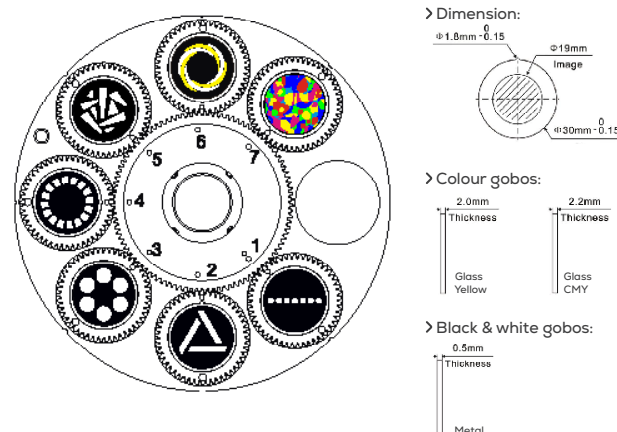
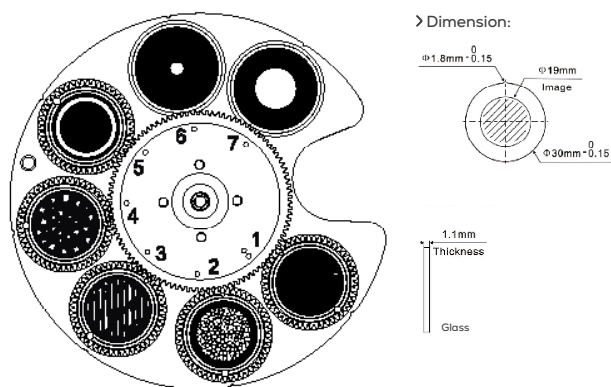
Camera Enclosure

042840

TECHNICAL SPECIFICATIONS



# TECHNICAL SPECIFICATIONS



## GOBO WHEEL 1

### Rotating Gobo

|   |     |                                     |            |
|---|-----|-------------------------------------|------------|
| 1 | 105 | Tree Bark                           | GPG0501308 |
| 2 | 075 | Star Field                          | GPG0501307 |
| 3 | 278 | Bread Stix                          | GPG0501306 |
| 4 | 070 | Circle of Squares                   | GPG0501305 |
| 5 | 410 | Conical Tunnel Effect               | GPG0501304 |
| 6 | 307 | Beam Reducer 0.9 °<br>30% Iris Beam | GPB0004659 |
| 7 | 302 | Beam Reducer 2.5 °<br>80% Iris Beam | GPB0004661 |

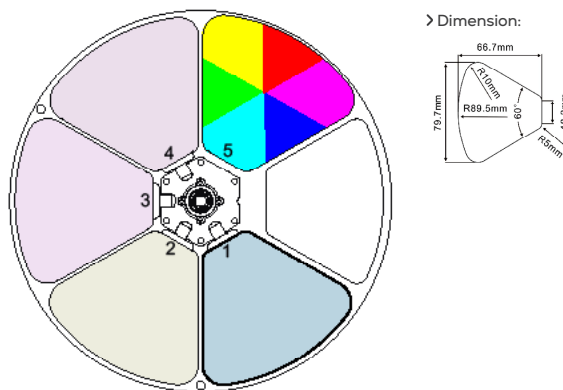
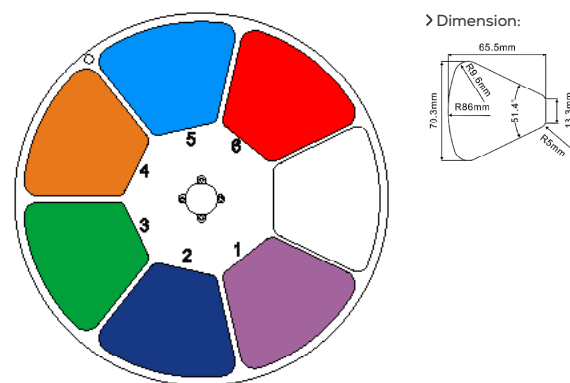
This side facing towards light source

## GOBO WHEEL 2

### Rotating Gobo

|   |      |                     |            |
|---|------|---------------------|------------|
| 1 | 131  | Dot Line 7          | GPG0501218 |
| 2 | 427  | Split Triangle 2    | GPG0501309 |
| 3 | 320  | Dot Ring 6          | GPG0501227 |
| 4 | 369  | Trapezium Ring 16   | GPG0501221 |
| 5 | 266  | Breaking Glass      | GPG0501246 |
| 6 | 112Y | Nested Rings Yellow | GPG0501303 |
| 7 | 042  | CMY Liquid Effect   | GPG0501302 |

This side facing towards light source



## COLOUR WHEEL 1

|   |            |            |
|---|------------|------------|
| 1 | Magenta    | GPG0100732 |
| 2 | Congo Blue | GPG0100733 |
| 3 | Green      | GPG0100735 |
| 4 | Orange     | GPG0100734 |
| 5 | Blue       | GPG0100736 |
| 6 | Red        | GPG0100797 |

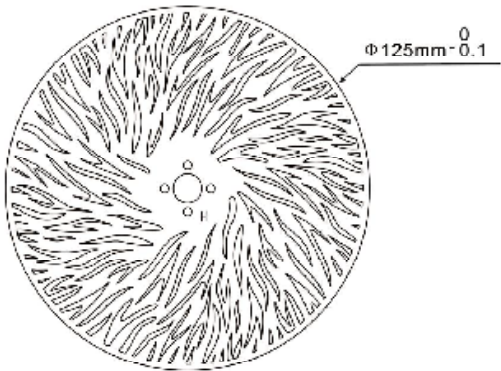
This side facing towards light source

## COLOUR WHEEL 2

|   |                       |            |
|---|-----------------------|------------|
| 1 | Gobo correction (CTB) | GPG0100755 |
| 2 | Daylight CRI 80       | GPG0100860 |
| 3 | Half Minus Green      | GPG0100729 |
| 4 | High CRI 90           | GPG0100724 |
| 5 | Multi-colour          | GPG0100789 |

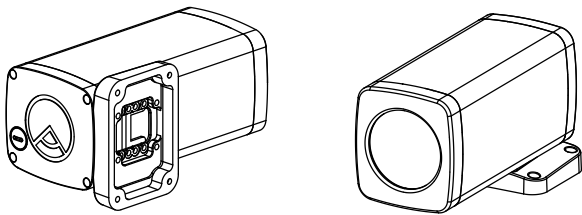
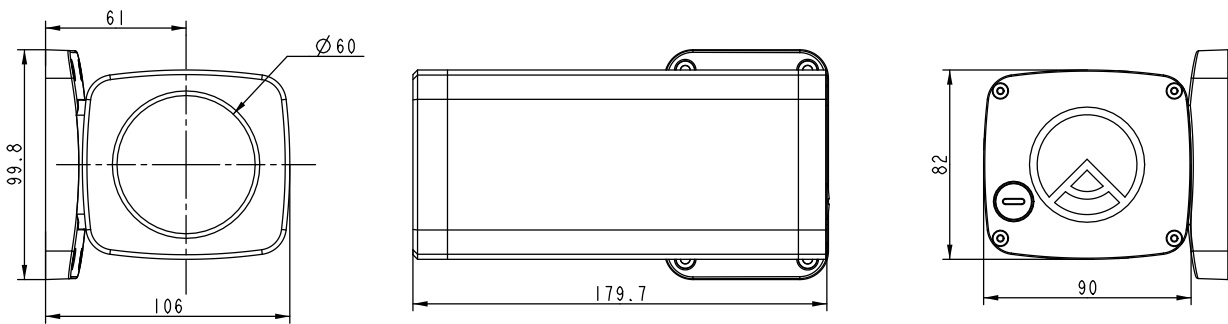
This side facing towards light source

TECHNICAL SPECIFICATIONS



ANIMATION WHEEL

- -



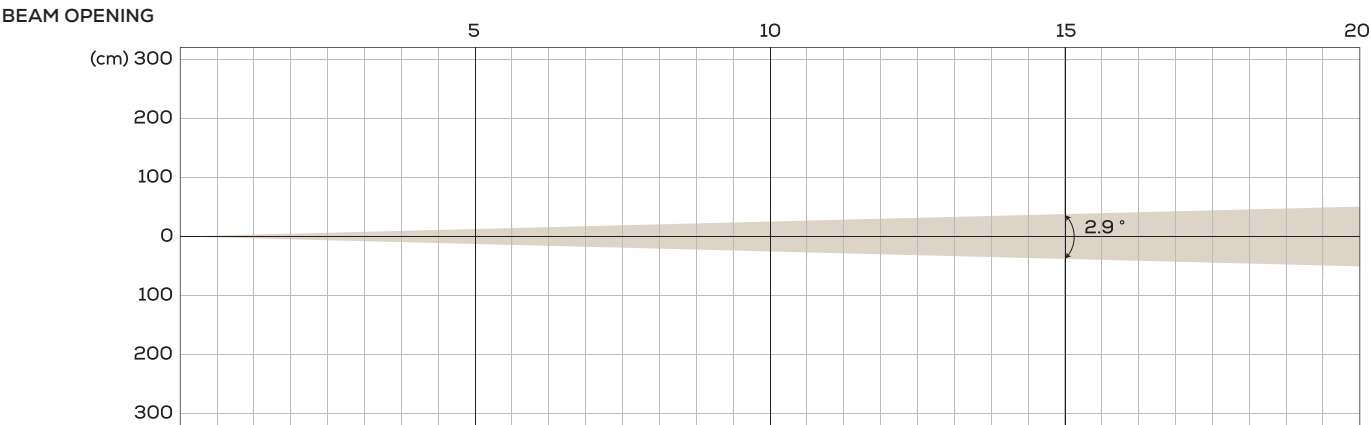
CAMERA ENCLOSURE

- -

042840

AUTO MODE: PHOTOMETRIC DETAIL

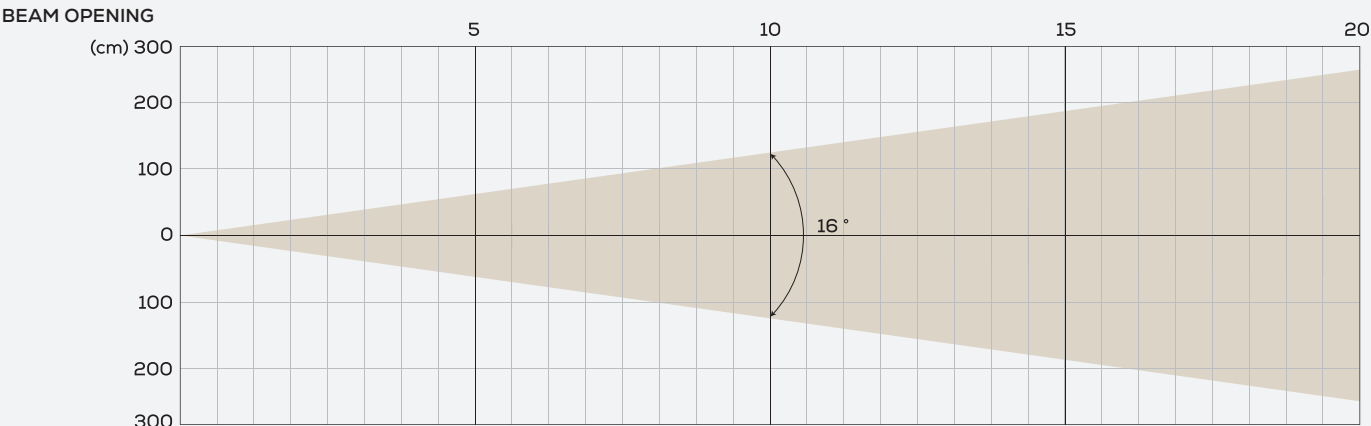
MIN ZOOM



INTENSITY

| Distance (m) | 5      |          | 10     |          | 15    |          | 20    |          | 50   |          | 100  |          |
|--------------|--------|----------|--------|----------|-------|----------|-------|----------|------|----------|------|----------|
| unit         | Lux    | Diameter | Lux    | Diameter | Lux   | Diameter | Lux   | Diameter | Lux  | Diameter | Lux  | Diameter |
| White        | 440000 | 0.25     | 110000 | 0.51     | 48044 | 0.76     | 27500 | 1.01     | 4400 | 2.53     | 1100 | 5.06     |

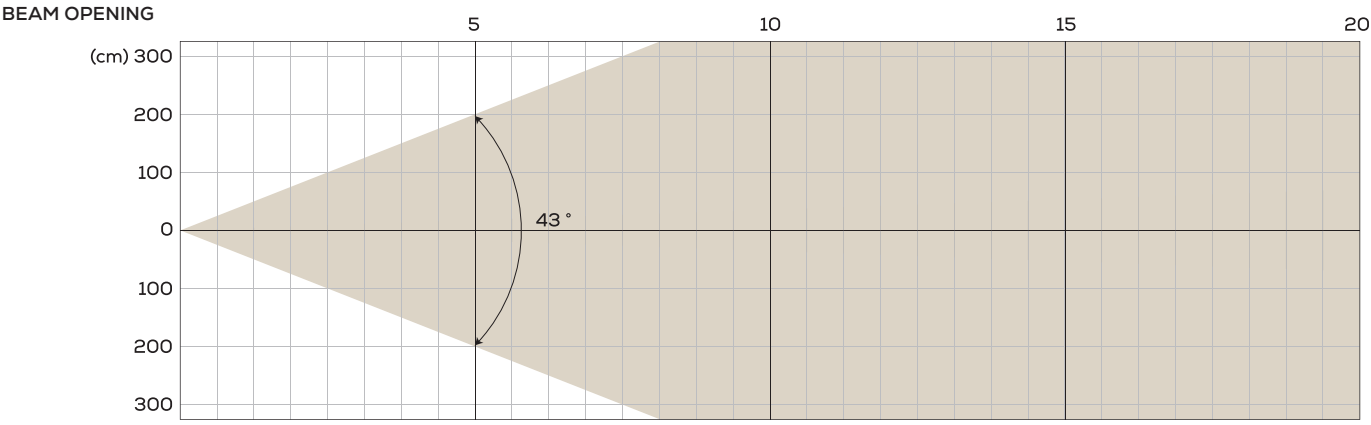
MIDDLE ZOOM



INTENSITY

| Distance (m) | 5     |          | 10   |          | 15   |          | 20   |          | 50  |          | 100 |          |
|--------------|-------|----------|------|----------|------|----------|------|----------|-----|----------|-----|----------|
| unit         | Lux   | Diameter | Lux  | Diameter | Lux  | Diameter | Lux  | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 38800 | 1.41     | 9700 | 2.81     | 4222 | 4.22     | 2425 | 5.62     | 388 | 14.05    | 97  | 28.11    |

MAX ZOOM

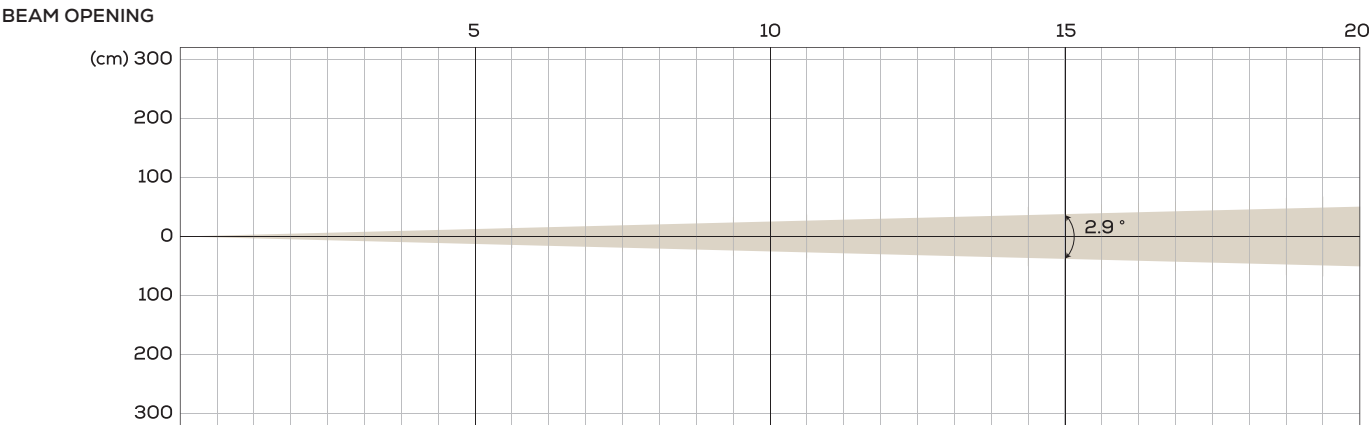


INTENSITY

| Distance (m) | 5    |          | 10   |          | 15  |          | 20  |          | 50  |          | 100 |          |
|--------------|------|----------|------|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | Lux  | Diameter | Lux  | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 5200 | 3.94     | 1300 | 7.88     | 578 | 11.82    | 325 | 15.76    | 50  | 39.39    | 13  | 78.78    |

STAGE MODE: PHOTOMETRIC DETAIL

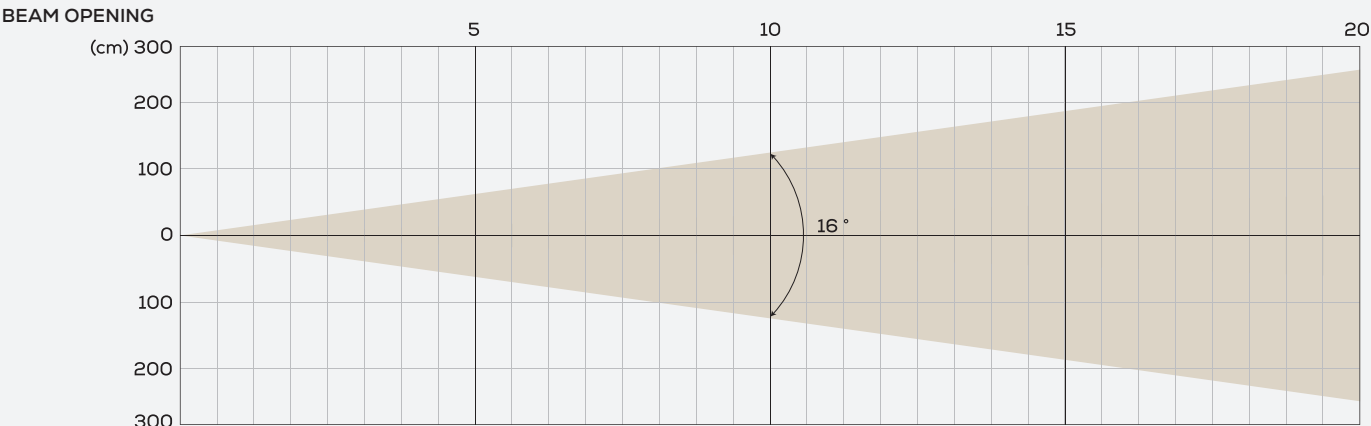
MIN ZOOM



INTENSITY

| Distance (m) | 5      |          | 10     |          | 15    |          | 20    |          | 50   |          | 100  |          |
|--------------|--------|----------|--------|----------|-------|----------|-------|----------|------|----------|------|----------|
| unit         | Lux    | Diameter | Lux    | Diameter | Lux   | Diameter | Lux   | Diameter | Lux  | Diameter | Lux  | Diameter |
| White        | 460000 | 0.25     | 115000 | 0.51     | 51111 | 0.76     | 28750 | 1.01     | 4600 | 2.53     | 1150 | 5.06     |

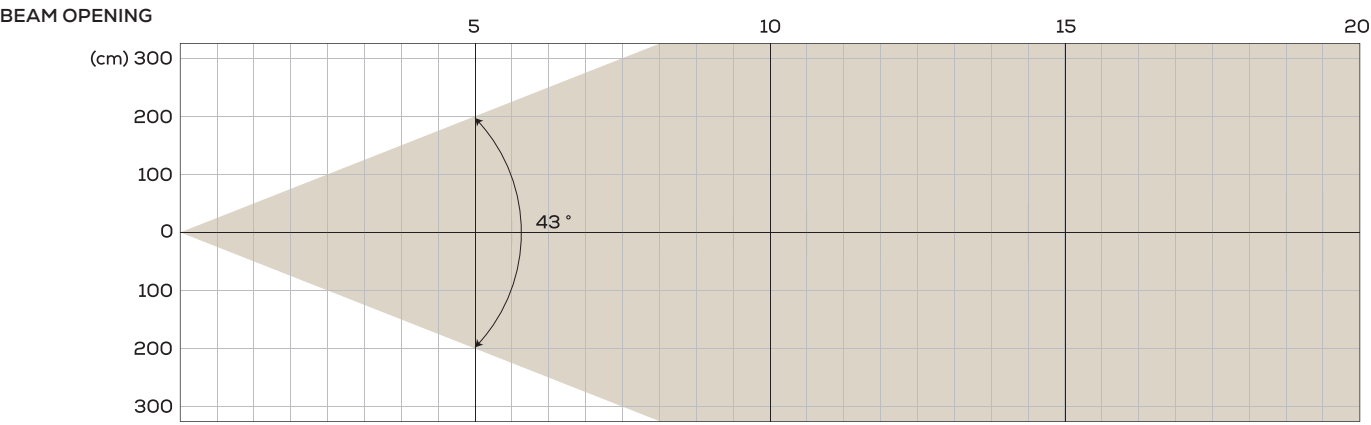
MIDDLE ZOOM



INTENSITY

| Distance (m) | 5     |          | 10   |          | 15   |          | 20   |          | 50  |          | 100 |          |
|--------------|-------|----------|------|----------|------|----------|------|----------|-----|----------|-----|----------|
| unit         | Lux   | Diameter | Lux  | Diameter | Lux  | Diameter | Lux  | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 39200 | 1.41     | 9800 | 2.81     | 4356 | 4.22     | 2450 | 5.62     | 392 | 14.05    | 98  | 28.11    |

MAX ZOOM

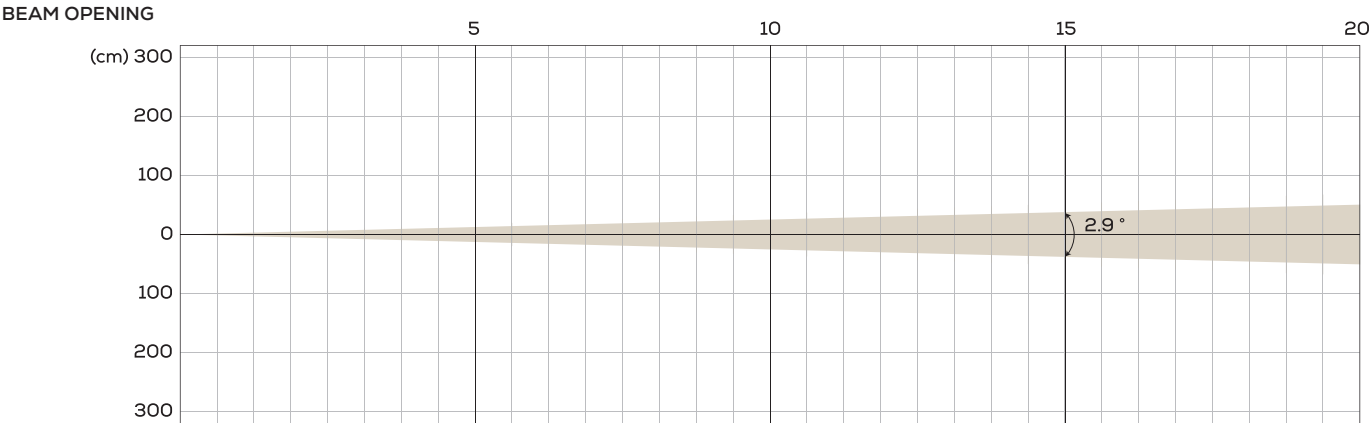


INTENSITY

| Distance (m) | 5    |          | 10   |          | 15  |          | 20  |          | 50  |          | 100 |          |
|--------------|------|----------|------|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | Lux  | Diameter | Lux  | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 5200 | 3.94     | 1300 | 7.88     | 578 | 11.82    | 325 | 15.76    | 50  | 39.39    | 13  | 78.78    |

SILENCE MODE: PHOTOMETRIC DETAIL

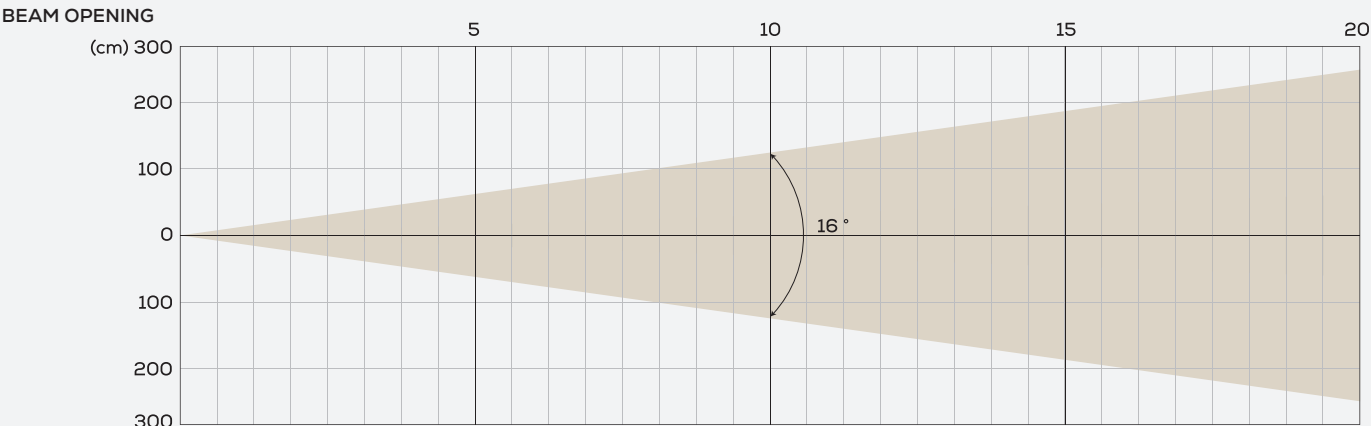
MIN ZOOM



INTENSITY

| Distance (m) | 5      |          | 10    |          | 15    |          | 20    |          | 50   |          | 100 |          |
|--------------|--------|----------|-------|----------|-------|----------|-------|----------|------|----------|-----|----------|
| unit         | Lux    | Diameter | Lux   | Diameter | Lux   | Diameter | Lux   | Diameter | Lux  | Diameter | Lux | Diameter |
| White        | 304000 | 0.25     | 76000 | 0.51     | 33778 | 0.76     | 19000 | 1.01     | 3040 | 2.53     | 760 | 5.06     |

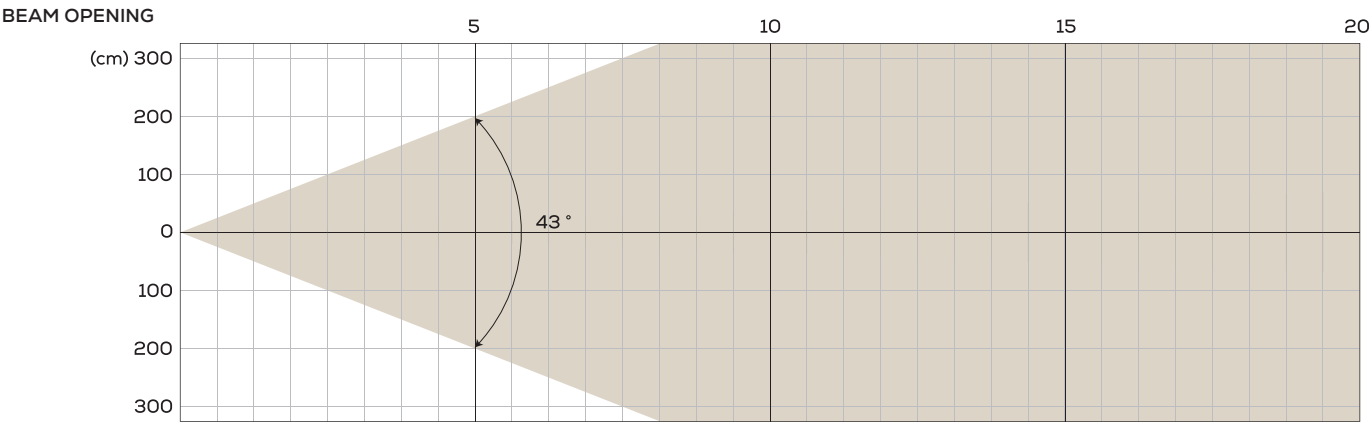
MIDDLE ZOOM



INTENSITY

| Distance (m) | 5     |          | 10   |          | 15   |          | 20   |          | 50  |          | 100 |          |
|--------------|-------|----------|------|----------|------|----------|------|----------|-----|----------|-----|----------|
| unit         | Lux   | Diameter | Lux  | Diameter | Lux  | Diameter | Lux  | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 26800 | 1.41     | 6700 | 2.81     | 2978 | 4.22     | 1675 | 5.62     | 268 | 14.05    | 67  | 28.11    |

MAX ZOOM

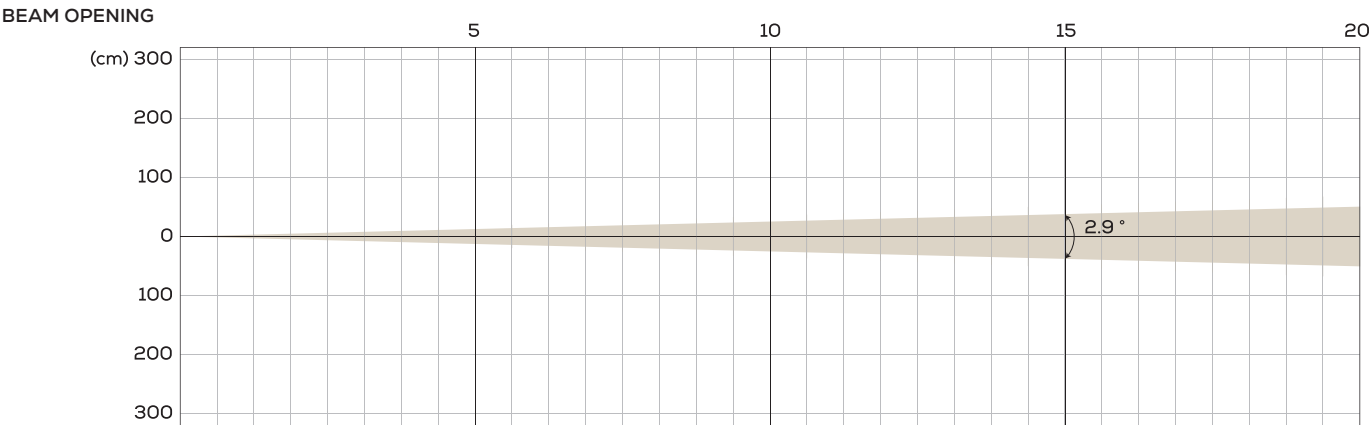


INTENSITY

| Distance (m) | 5    |          | 10  |          | 15  |          | 20  |          | 50  |          | 100 |          |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | Lux  | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 3520 | 3.94     | 880 | 7.88     | 391 | 11.82    | 220 | 15.76    | 35  | 39.39    | 9   | 78.78    |

SUPER SILENCE MODE: PHOTOMETRIC DETAIL

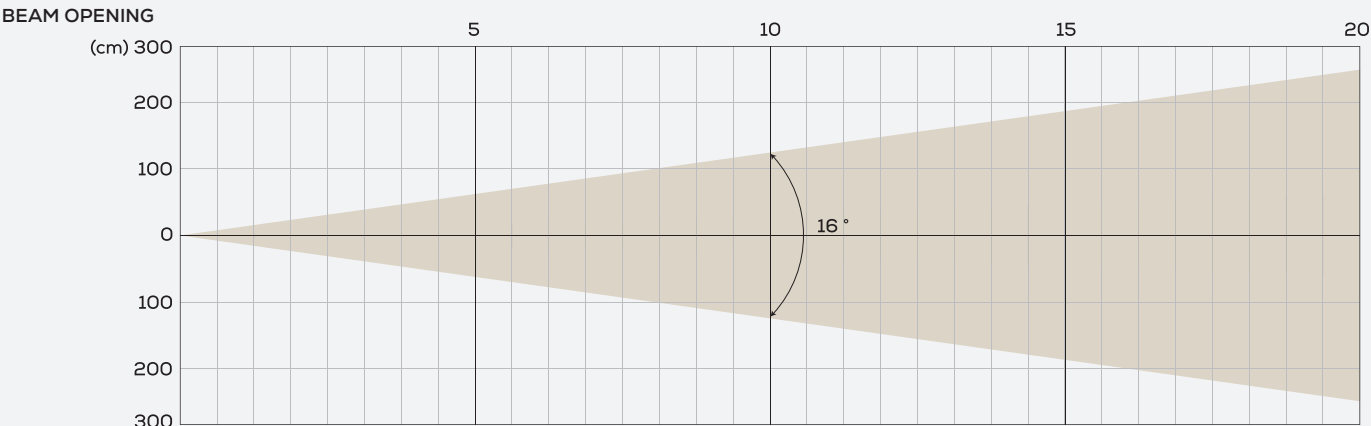
MIN ZOOM



INTENSITY

| Distance (m) | 5      |          | 10    |          | 15    |          | 20    |          | 50   |          | 100 |          |
|--------------|--------|----------|-------|----------|-------|----------|-------|----------|------|----------|-----|----------|
| unit         | Lux    | Diameter | Lux   | Diameter | Lux   | Diameter | Lux   | Diameter | Lux  | Diameter | Lux | Diameter |
| White        | 216000 | 0.25     | 54000 | 0.51     | 24000 | 0.76     | 13500 | 1.01     | 2160 | 2.53     | 540 | 5.06     |

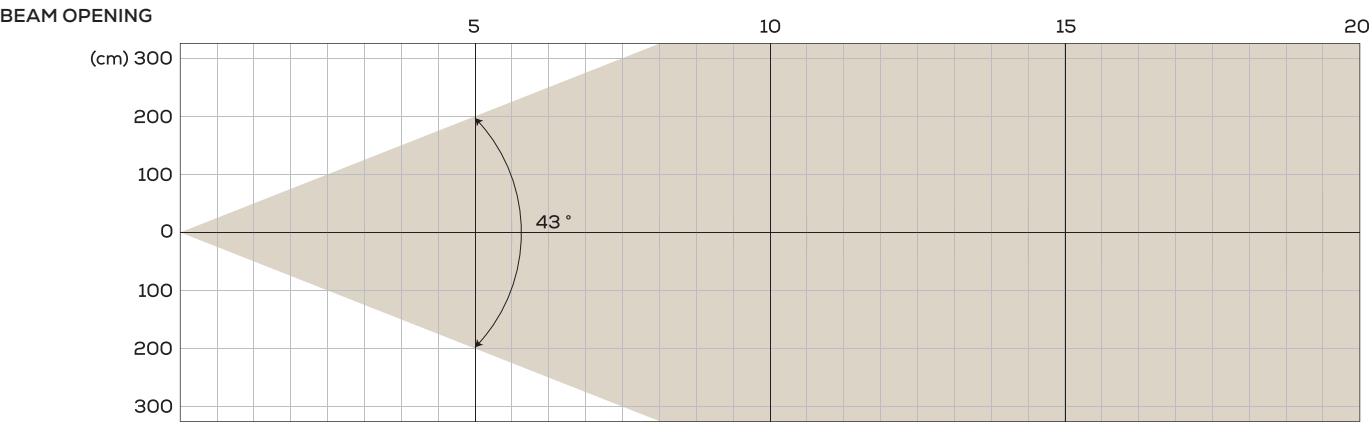
MIDDLE ZOOM



INTENSITY

| Distance (m) | 5     |          | 10   |          | 15   |          | 20   |          | 50  |          | 100 |          |
|--------------|-------|----------|------|----------|------|----------|------|----------|-----|----------|-----|----------|
| unit         | Lux   | Diameter | Lux  | Diameter | Lux  | Diameter | Lux  | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 20000 | 1.41     | 5000 | 2.81     | 2222 | 4.22     | 1250 | 5.62     | 200 | 14.05    | 50  | 28.11    |

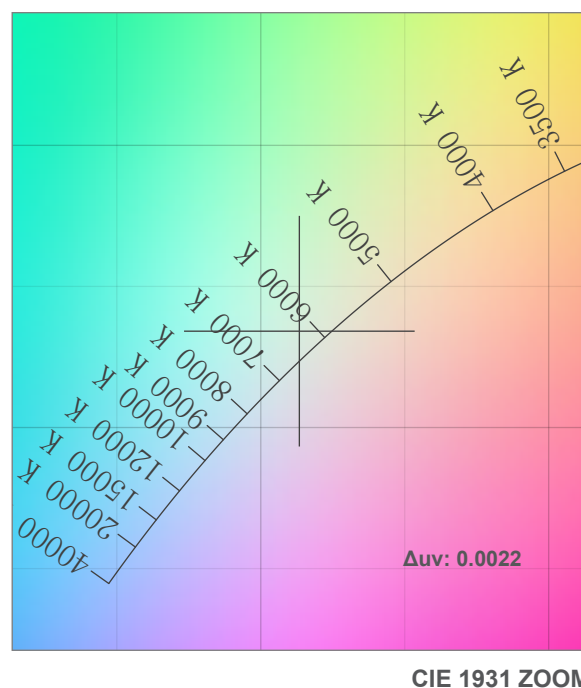
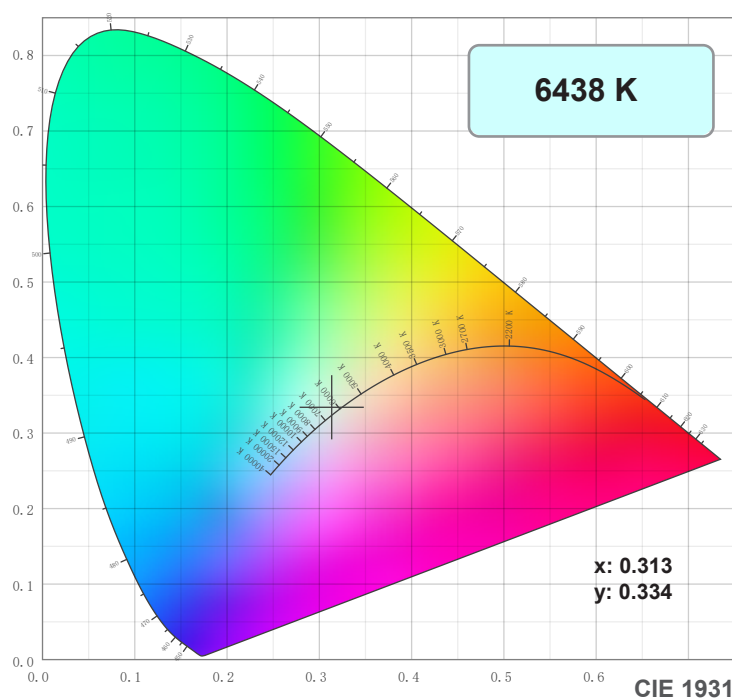
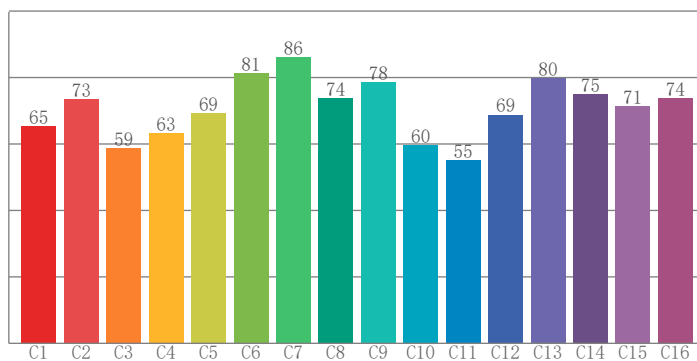
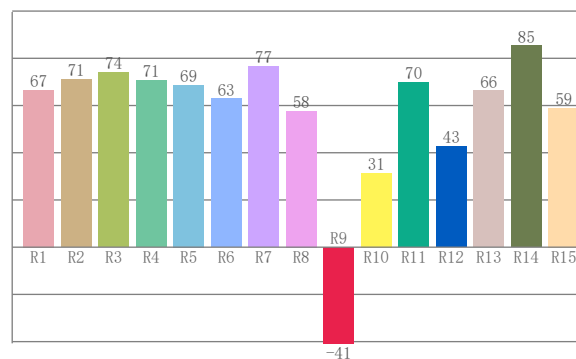
MAX ZOOM



INTENSITY

| Distance (m) | 5    |          | 10  |          | 15  |          | 20  |          | 50  |          | 100 |          |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | Lux  | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 2640 | 3.94     | 660 | 7.88     | 293 | 11.82    | 165 | 15.76    | 26  | 39.39    | 7   | 78.78    |

## COLOUR PARAMETERS

**TM-30: 70.1****CRI: 68.5 (R1-R8)**

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

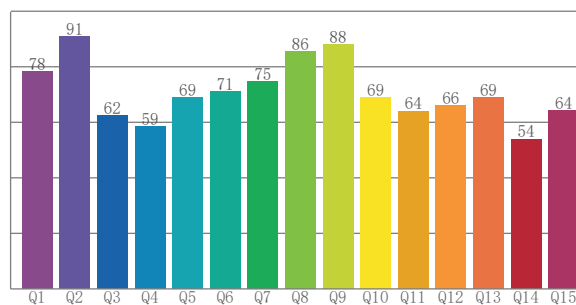
| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9    | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 66.6 | 71.0 | 74.0 | 70.7 | 68.7 | 62.9 | 76.6 | 57.7 | -40.7 | 31.4 | 69.9 | 42.7 | 66.2 | 85.3 | 59.0 |

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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 65.3 | 73.4 | 58.7 | 63.2 | 69.3 | 81.3 | 86.2 | 73.8 | 78.5 | 59.6 | 55.1 | 68.8 | 79.8 | 74.9 | 71.3 | 73.7 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 78.3 | 91.0 | 62.4 | 58.6 | 68.9 | 71.3 | 74.8 | 85.5 | 88.0 | 68.8 | 64.1 | 66.0 | 68.8 | 54.0 | 64.2 |

**CQS: 69.2**

## 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                             |
| 6438 K            | 68.5                  | -40.7         | 70.1           | 94.1        | 69.2                | 0.313                     | 0.334                     | 0.196            | 0.314            | 0.0022                          |

## TM-30

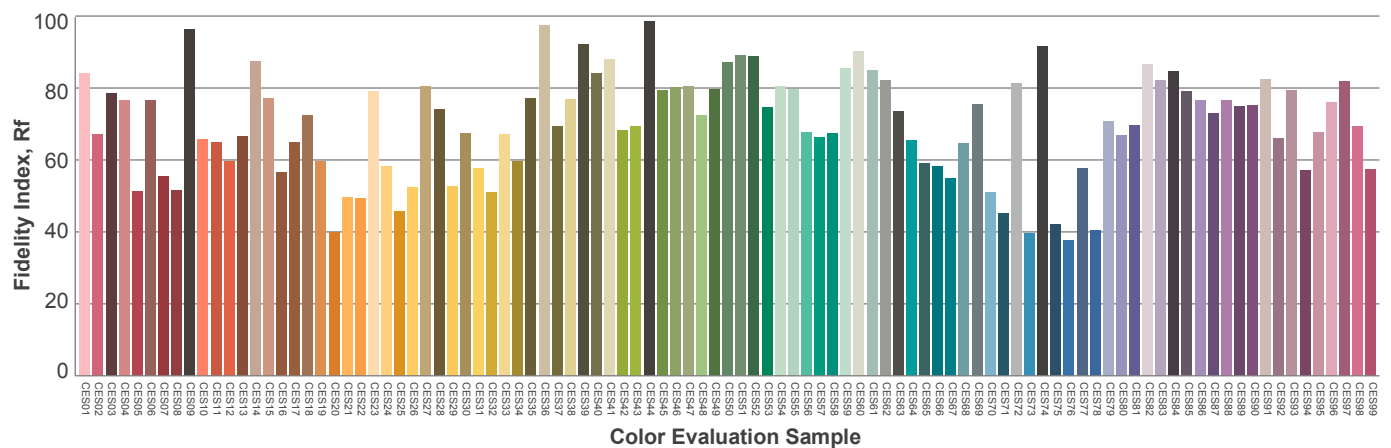
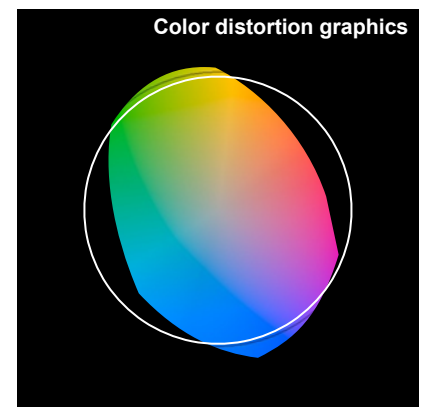
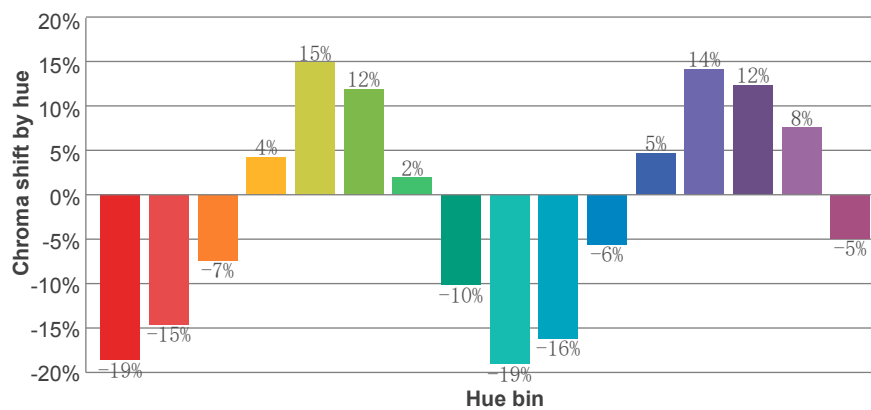
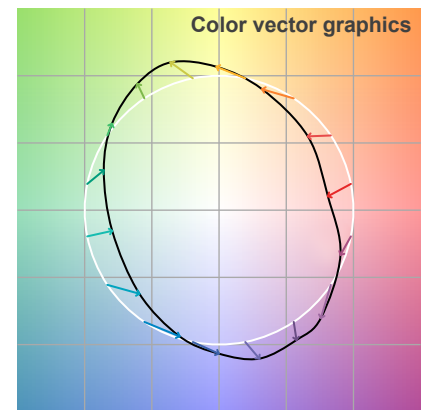
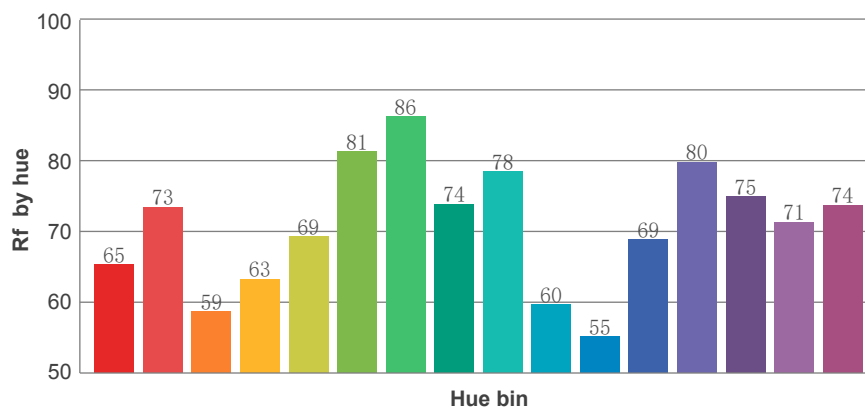
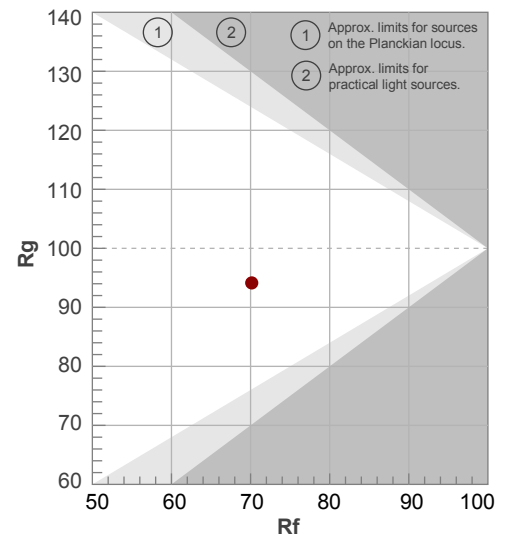
**Rf 70.1**

Fidelity index Rf

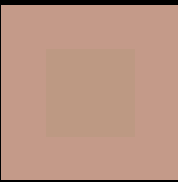
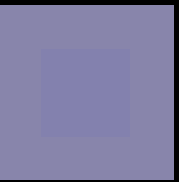
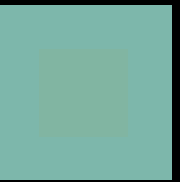
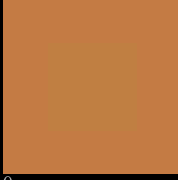
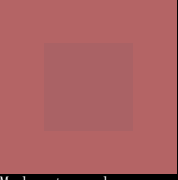
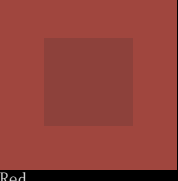
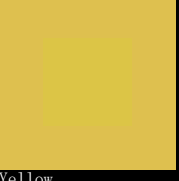
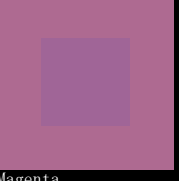
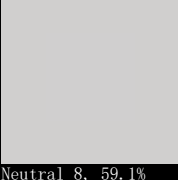
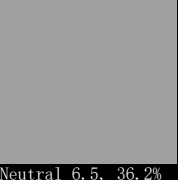
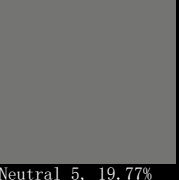
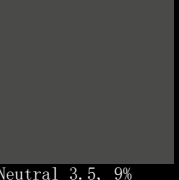
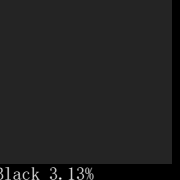
**Rg 94.1**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |      |
|---------|----------------|------------|------|
|         |                | Chroma     | Hue  |
| 1       | 65             | -19%       | -6%  |
| 2       | 73             | -15%       | 9%   |
| 3       | 59             | -7%        | 23%  |
| 4       | 63             | 4%         | 23%  |
| 5       | 69             | 15%        | 14%  |
| 6       | 81             | 12%        | -2%  |
| 7       | 86             | 2%         | -9%  |
| 8       | 74             | -10%       | -12% |
| 9       | 78             | -19%       | 0%   |
| 10      | 60             | -16%       | 19%  |
| 11      | 55             | -6%        | 28%  |
| 12      | 69             | 5%         | 21%  |
| 13      | 80             | 14%        | 8%   |
| 14      | 75             | 12%        | -6%  |
| 15      | 71             | 8%         | -25% |
| 16      | 74             | -5%        | -15% |



TLCI-47

|                                                                                    |                                                                                    |                                                                                    |                                                                                     |                                                                                      |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|   |   |   |   |   |   |
| Dark skin                                                                          | Light skin                                                                         | Blue sky                                                                           | Foliage                                                                             | Blue flower                                                                          | Bluish 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%                                                                          |

 **DISCLAIMER**

Errors and omissions for all information given in this specification sheet are possible. All information is subject to change without prior notice.