



The Ayrton Diablo Profile is a high-performance lighting fixture designed for professional lighting applications. It's a 300W profile luminaire that belongs to the Mistral series, known for its compact size and versatility.

**A**yrton's latest innovation, Diablo Profile TC, is a versatile, feature-rich 300 W profile luminaire based on the ultra-compact Mistral format. The company has taken on the ambitious challenge of making Diablo Profile TC the smallest, lightest and most efficient luminaire of its category. With a record output of 11,000 lumens and a total weight of 22 kg, Diablo Profile TC is a powerhouse of technology that will tempt the most demanding lighting designers.

## ★ KEY FEATURES

### ➤ Output

The Diablo Profile boasts an impressive output of 14,000 lumens. This level of brightness makes it suitable for various lighting design applications, including theatre, concerts, architectural lighting and broadcast.

### ➤ Weight

Despite its high output, Ayrton has managed to keep the Diablo Profile's weight relatively low at 22 kg. This makes it easier to handle and install, especially in situations where weight constraints are a concern.

### ➤ Technology

The Diablo Profile is a "powerhouse of technology", it incorporates advanced lighting and control technologies to deliver outstanding performance.

### ➤ Versatility

Diablo Profile can be used to create focused and controllable beams of light. This makes it suitable for tasks such as spotlighting performers, highlighting specific architectural elements, or adding dramatic effects to a stage or event.

### ➤ Conscious Engineering

Ayrton's constant goal to maximise efficiency means that Diablo Profile is engineered to provide high brightness with minimal power consumption. This is important for both energy savings and reducing heat output.

### ➤ Framing System

Ayrton has miniaturized the framing system. Diablo Profile offers precise control over the shape and position of the beam, allowing lighting designers to create intricate and dynamic effects.

## TECHNICAL SPECIFICATIONS

| SOURCE                  |                                                  |
|-------------------------|--------------------------------------------------|
| Engine                  | LED Mono Block, Sealed, White                    |
| LED Watts               | 300 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                         |
| Dimming                 | Electronic                                       |
| Dimming Curves          | Square & Linear                                  |
| Dimming Control Options | Auto on/off dimmer smoothing when Snap effects   |
| Strobe Speed            | Hz 1-25 Per Second                               |
| Strobe Modes            | Strobe Effects / Pulse Effects / Random Effects  |

| ELECTRICAL                 |                               |
|----------------------------|-------------------------------|
| Max Power Consumption      | 550 W                         |
| Standby Consumption        | 85 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: 10.1 A<br>230 V: 8.9 A |
| Total Fixtures per Circuit | 6 @ 220/230 V<br>4 @ 110 V    |
| Connector                  | True1 Compatible In/Thru      |
| Power Supply Unit          | Active PFC                    |
| Contains Battery           | Li-ion 3.7V Rechargeable      |

| 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 |

| OPTICAL PERFORMANCE |                 |
|---------------------|-----------------|
| Lens Size           | 119 mm (4.7 in) |
| Zoom Range          | 7° to 53°       |
| Zoom Ratio          | 7.5 : 1         |
| Gate Size           | 20 mm (0.79 in) |

| MOVEMENT                            |                               |        |
|-------------------------------------|-------------------------------|--------|
| Pan Range                           | 540°/630° (optional)          |        |
| Pan Speed<br>(End to End or range)  | 180°                          | 40 rpm |
|                                     | 360°                          | 40 rpm |
|                                     | EtoE                          | 40 rpm |
| Tilt Range                          | 263°                          |        |
| Tilt Speed<br>(End to End or range) | 180°                          | 43 rpm |
|                                     | EtoE                          | 47 rpm |
| Resolution                          | 8- or 16-bit                  |        |
| Calibration Time                    | 43 seconds                    |        |
| Position Correction System          | Yes / Automatic repositioning |        |
| Follow Spot Modes                   | Tracking system               |        |

| COLOUR SYSTEM        |                                                                                    |
|----------------------|------------------------------------------------------------------------------------|
| Colour System(s)     | CMY, CTO and 7 Colour Wheel                                                        |
| Control              | CMY 16-Bit & 8-Bit                                                                 |
| CTO                  | Variable                                                                           |
| Variable CTP         | No                                                                                 |
| Colour Wheel         | One Wheel. Seven Dichroic plus one open changeable colour (see chart for standard) |
| Colour Wheel Effects | Continuous Rotation                                                                |

| GOBOS                  |                                         |
|------------------------|-----------------------------------------|
| Indexing Wheel         | 1                                       |
| Indexing Gobos         | 7 (Glass see load below) + 1 Open       |
| Gobo Diameter (Index)  | 25.5 mm                                 |
| Image Diameter (Index) | 20 mm                                   |
| Static Wheel           | No                                      |
| Static Gobos           | No                                      |
| Gobo Diameter (Fix)    | N/A                                     |
| Image Diameter (Fix)   | N/A                                     |
| Gobo Thickness         | 1.1 to 2.2 mm                           |
| Animation Wheel        | Yes                                     |
| Animation Details      | Bi-Directional with continuous rotation |

**TECHNICAL SPECIFICATIONS**

| PERFORMANCE                                                         |        |                                       |
|---------------------------------------------------------------------|--------|---------------------------------------|
| LED engine output (Sphere)                                          |        | 20,500                                |
| Fixture Output (Sphere)                                             |        | 13,586 lumens (Fan Mode Auto)         |
|                                                                     |        | 13,888 lumens (Fan Mode Stage)        |
|                                                                     |        | 11,783 lumens (Fan Mode Silence)      |
|                                                                     |        | 8,227 lumens (Fan Mode Super Silence) |
| Fixture Output (Goniometer)                                         |        | 11,203 lm Auto                        |
| Field Lumens (Goniometer)                                           | Narrow | 6,723 lm                              |
|                                                                     | Middle | 11,203 lm                             |
|                                                                     | Wide   | 11,341 lm                             |
| Lumen Per Watt (LPW)<br>Max fixture output / 230 V<br>Typical power |        | 22.6                                  |
| CCT                                                                 |        | 6,500 K                               |
| $\Delta uv$                                                         |        | 0.0039                                |
| CRI                                                                 |        | Ra: 90 ( $\pm 2$ )                    |
| With TrueColour Enhancer™ Filter                                    |        | > 90                                  |
| Tm30                                                                |        | Rf: 69 Rg: 93                         |
| TLCI                                                                |        | 43                                    |
| CQS                                                                 |        | 66.7                                  |

| IMAGING          |                                                                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Framing          | 4 Blade - 4 Plain                                                                                                                                                                |
| Framing Rotation | +/- 45°                                                                                                                                                                          |
| Iris             | 15 Leaf - 15% to 100% (Open)                                                                                                                                                     |
| Frost            | Linear Light 1° (Heavy 5° optional, included)                                                                                                                                    |
| Effects          | <ul style="list-style-type: none"> <li>Graphic animation effect-wheel with continuous rotation in both directions</li> <li>5-facet circular, indexable rotating prism</li> </ul> |

| CONNECTORS |                          |
|------------|--------------------------|
| Power      | In/ Thru powerCON True 1 |
| DMX        | In/Thru 5 Pin XLR        |
| Network    | No                       |
| Wireless   | DMX Only                 |

| CONTROL              |                                                                   |
|----------------------|-------------------------------------------------------------------|
| DMX Control          | DMX (USITT DMX-512-A)<br>RDM (ANSI/ESTA E1.20)                    |
| Transceiver/Receiver | RS-485 with Isolation                                             |
| DMX Modes            | 3 + 3 User Modes                                                  |
| Channel Count        | Mode 1 Standard - 36<br>Mode 2 Basic - 34<br>Mode 3 Extended - 56 |
| DMX Chart            | Scan the QR code on page 5                                        |
| Network Protocols    | None                                                              |
| Local Control        | Colour LCD Panel<br>Clicking Jog Wheel                            |
| Stand Alone Mode     | Leader/Follower, presets 250                                      |
| RDM Functions        | Yes                                                               |
| Wireless DMX         | CRMX TiMo RDM receiver                                            |
| E-Sim Ready          | No                                                                |
| USB Port             | No                                                                |

| THERMAL                                          |                              |
|--------------------------------------------------|------------------------------|
| Max Surface Temperature, steady state, at Ta 40° | 85°C (185°F)                 |
| Max Ambient Temperature (Ta Max)                 | 43°C (113°F)                 |
| Min Ambient Temperature (Ta Min)                 | -10°C (14°F)                 |
| Total Heat Dissipation (Calculated +/- 10%)      | 146.5 BTUs p/h 500 W @ 230 V |
| Minimum distance to illuminated surface          | 1.5m (4.91 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>2</sup> | NC <sup>3</sup> |
|----------------|------------------|-----------------|
| Auto           | 40.5             | 32              |
| Stage          | 41.6             | 30              |
| Silence/Studio | 28.9             | 17              |
| Super Silence  | 28.3             | 18              |

### DYNAMIC

| Mode           | dBA <sup>2</sup> | NC <sup>3</sup> |
|----------------|------------------|-----------------|
| Auto           | 43.6             | 32              |
| Stage          | 45.4             | 34              |
| Silence/Studio | 41.8             | 32              |
| Super Silence  | 42.2             | 33              |

2. Measured @ 1m Static, 31dBA ambient

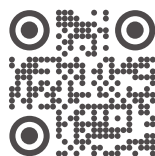
3. Noise Criterion

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

### ENVIRONMENTAL

|                                                                                                                       |                                                                                |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| IP Rating                                                                                                             | IP 20                                                                          |
| Salt Spray Testing                                                                                                    | N/A                                                                            |
| Estimated embodied carbon including:<br>▪ A1 – Raw materials of fixture and packaging<br>▪ A3 – Product manufacturing | 228.4 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 | 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: four ¼ turn locking fittings allowing installation of Omega brackets on luminaire</li> <li>Safety-cable attachment point</li> </ul> |
| Installation version | Yes, Fixed Tails                                                                                                                                                                                                                                                                               |

### CONSTRUCTION

|           |                                                                                                                                                                                                                                                                                                                                                                     |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Colour    | 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>Base in die-cast aluminium</li> <li>Heatsinks in aluminium and copper</li> <li>Arms 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

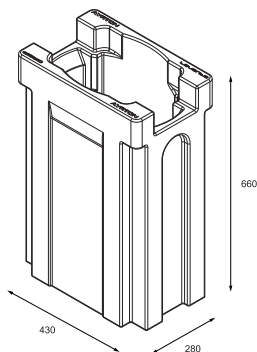
|                                        |                                         |
|----------------------------------------|-----------------------------------------|
| Manual                                 | 1                                       |
| OMEGA brackets with quarter-turn locks | 2                                       |
| Cables                                 | 1.5 m powerCON True1 TOP Tails Bared    |
| Other accessories                      | Gobo's x4 Additional Heavy Frost Option |

## TECHNICAL SPECIFICATIONS

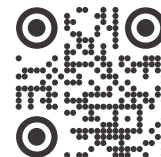
## PHYSICAL

| Fixture               |                   |
|-----------------------|-------------------|
| Length                | 365 mm (14.3 in)  |
| Height                | 591 mm (23.3 in)  |
| Depth                 | 212 mm (8.4 in)   |
| Weight                | 22 kg (48.5 lb)   |
| Shipping Dimensions   |                   |
| Length                | 445 mm (17.52 in) |
| Height                | 750 mm (29.5 in)  |
| Depth                 | 295 mm (11.6 in)  |
| Weight                | 30.5 kg (68 lb)   |
| In SIP Dimensions     |                   |
| Length                | 430 mm (14.4 in)  |
| Height                | 660 mm (25.9 in)  |
| Depth                 | 280 mm (11 in)    |
| Weight (excl fixture) | 8 kg (17.6 lb)    |

SIP Drawing



## SUPPORTING DOCUMENTS

[Manual](#)[GDTF Profile](#)[GMA Profile](#)[IES File](#)[DMX](#)[Photometric Files](#)[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: 2018

## Substance Regulations

- RoHS
- REACH
- CP65

## Declarations

Scan the QR code above

## ORDERING DETAILS

Diablo TC

011350

## ACCESSORIES

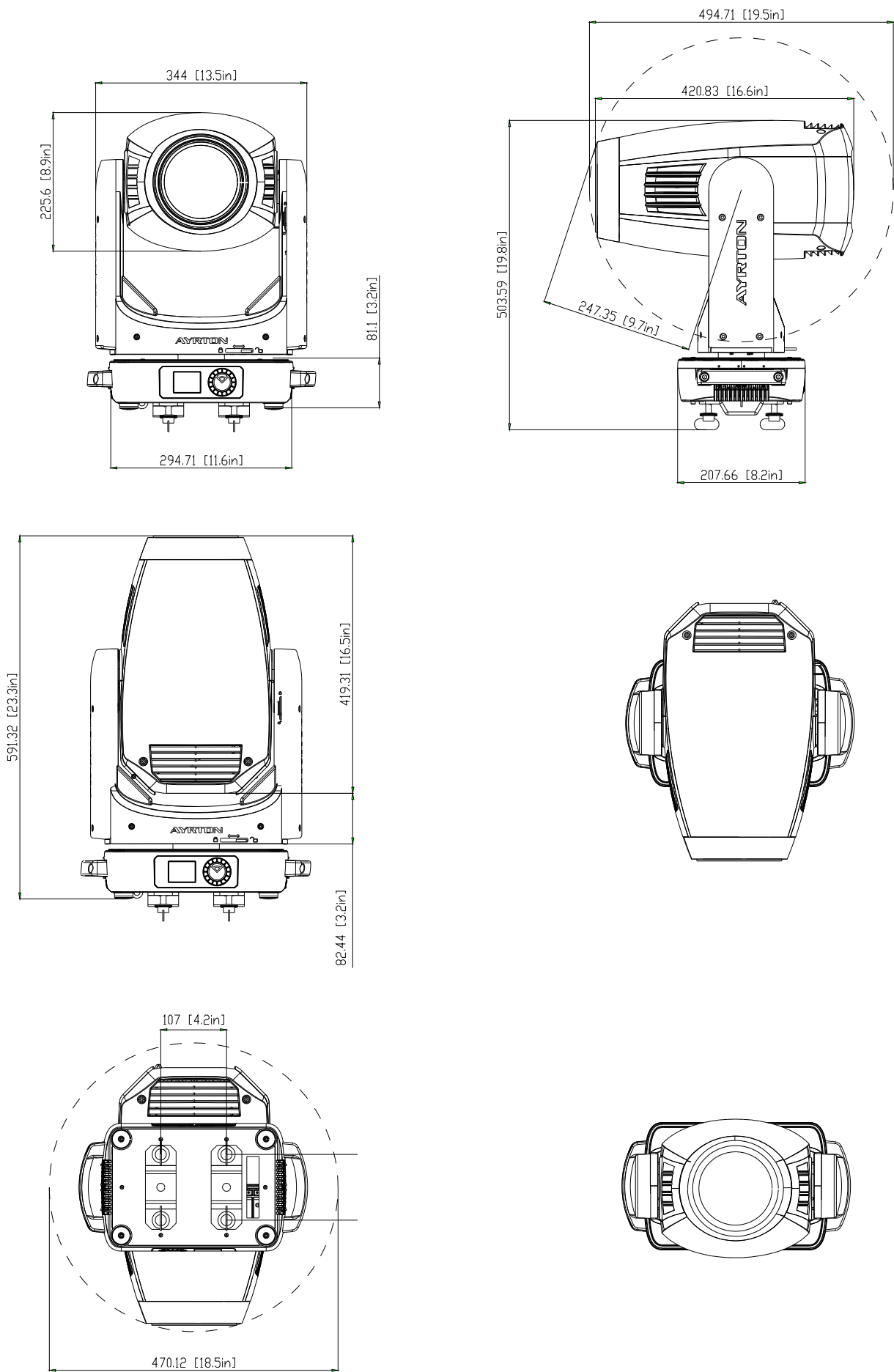
Lynx Control

045130

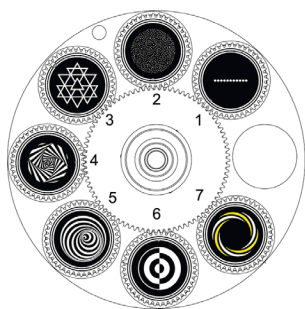
Omega Bracket

GP50501990151C

TECHNICAL SPECIFICATIONS

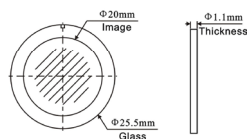


## TECHNICAL SPECIFICATIONS

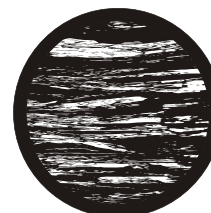
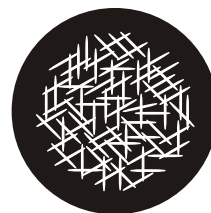
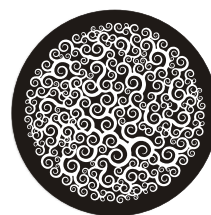
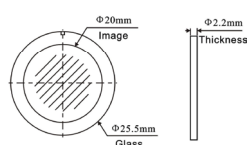


> Dimension/Tolerance/Requirement:

Black & White Gobo:



Color Gobo:



### GOBO WHEEL

#### Rotating Gobo

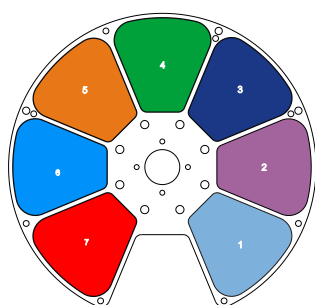
|   |      |                      |               |
|---|------|----------------------|---------------|
| 1 | 130  | Dot Line 11          | GP60303010903 |
| 2 | 074  | Star Dust            | GP60303010906 |
| 3 | 018  | Nested Triangle      | GP60303010905 |
| 4 | 039  | Infinite Stairs      | GP60303010867 |
| 5 | 134  | Vortex               | GP60303010904 |
| 6 | 067  | Black & White Target | GP60303010926 |
| 7 | 112Y | Nested Rings Yellow  | GP60303060055 |

*This side facing LED module*

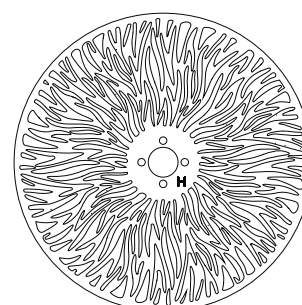
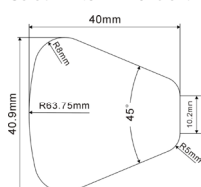
### ADDITIONAL GOBOS FOR DIABLO

#### Included in the package

|   |     |                   |               |
|---|-----|-------------------|---------------|
| 1 | 041 | Lost In The Brain | GP60303010911 |
| 2 | 049 | Smoke Rings       | GP60303010909 |
| 3 | 081 | Iron Filings      | GP60303010932 |
| 4 | 105 | Tree Bark         | GP60303010915 |



> Colour Filter Dimension:



### COLOUR WHEEL

|   |            |               |
|---|------------|---------------|
| 1 | CTB 1/4    | GP60305032892 |
| 2 | Magenta    | GP60305032893 |
| 3 | Congo Blue | GP60305032894 |
| 4 | Green      | GP60305032895 |
| 5 | Orange     | GP60305032896 |
| 6 | Blue       | GP60305032897 |
| 7 | Red        | GP60305032898 |

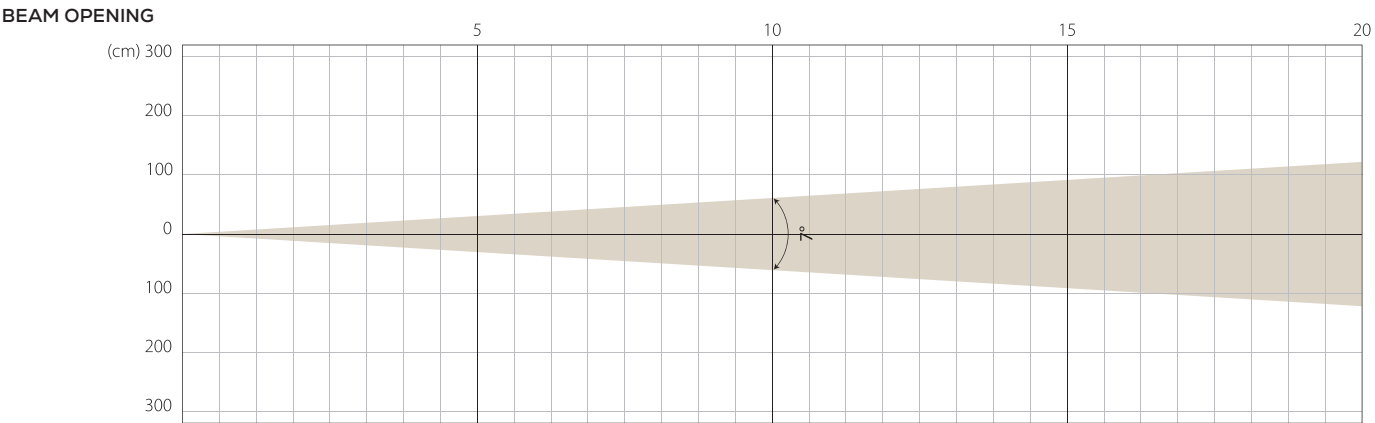
*This side facing LED module*

### ANIMATION WHEEL

|   |   |               |
|---|---|---------------|
| - | - | GP50401110095 |
|---|---|---------------|

AUTO MODE: PHOTOMETRIC DETAIL

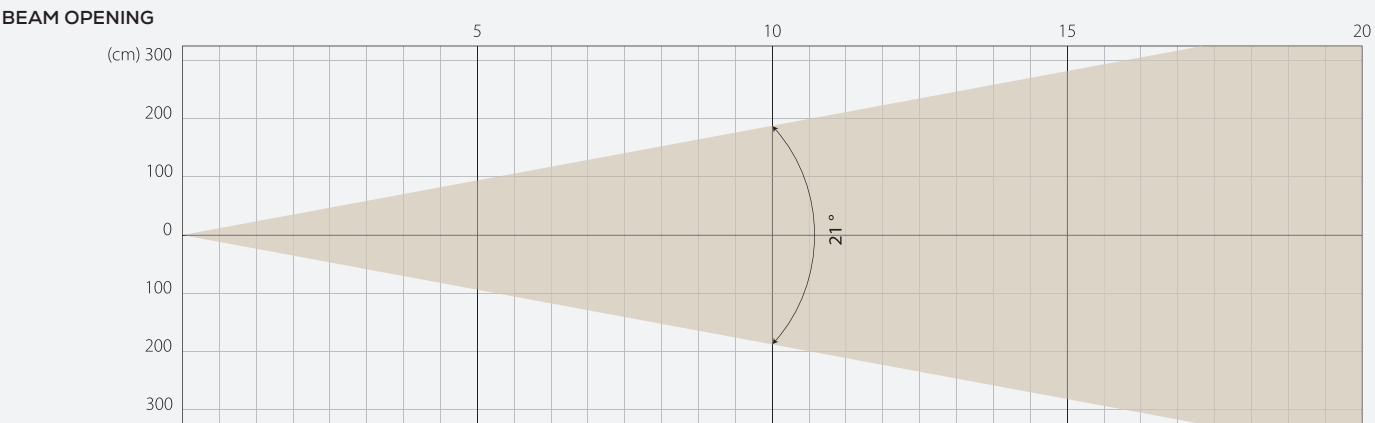
MIN ZOOM



INTENSITY

| Distance (m) | 5     |          | 10   |          | 15   |          | 20   |          |
|--------------|-------|----------|------|----------|------|----------|------|----------|
| unit         | Lux   | Diameter | Lux  | Diameter | Lux  | Diameter | Lux  | Diameter |
| White        | 24854 | 0,61     | 6213 | 1,22     | 2762 | 1,83     | 1553 | 2,45     |

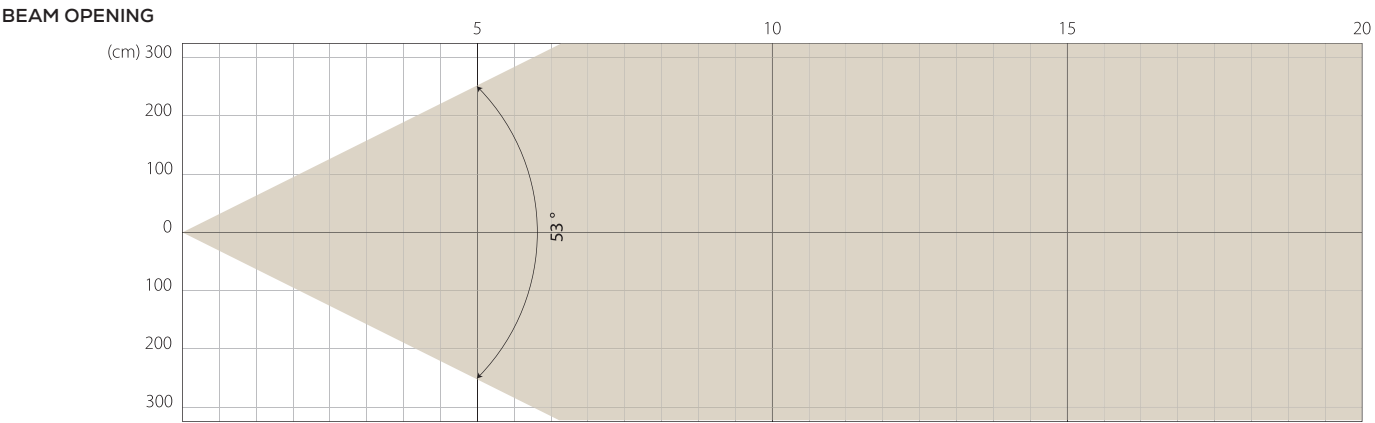
MIDDLE ZOOM



INTENSITY

| Distance (m) | 5    |          | 10   |          | 15  |          | 20  |          |
|--------------|------|----------|------|----------|-----|----------|-----|----------|
| unit         | Lux  | Diameter | Lux  | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 5202 | 1,85     | 1300 | 3,71     | 578 | 5,56     | 325 | 7,41     |

MAX ZOOM

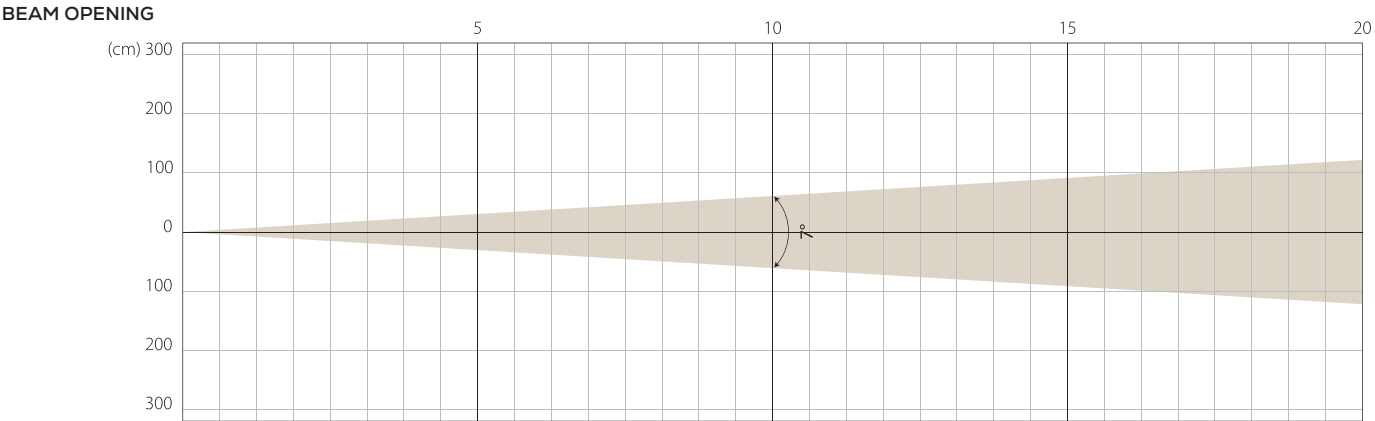


INTENSITY

| Distance (m) | 5   |          | 10  |          | 15  |          | 20  |          |
|--------------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 940 | 4,99     | 235 | 9,97     | 104 | 14,96    | 59  | 19,94    |

STAGE MODE: PHOTOMETRIC DETAIL

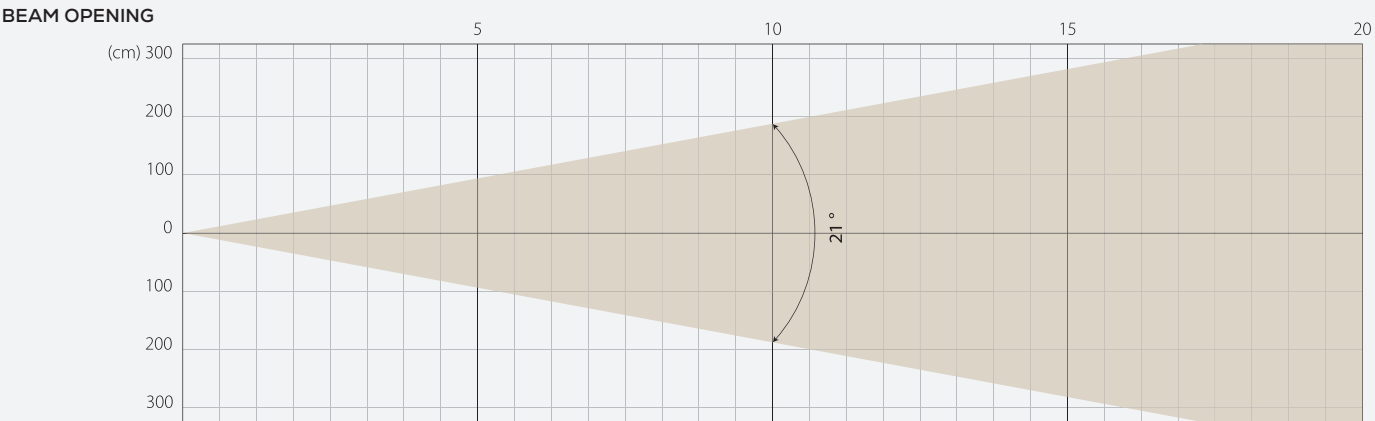
MIN ZOOM



INTENSITY

| Distance (m) | 5     |          | 10   |          | 15   |          | 20   |          |
|--------------|-------|----------|------|----------|------|----------|------|----------|
| unit         | Lux   | Diameter | Lux  | Diameter | Lux  | Diameter | Lux  | Diameter |
| White        | 25441 | 0,61     | 6360 | 1,22     | 2827 | 1,83     | 1590 | 2,45     |

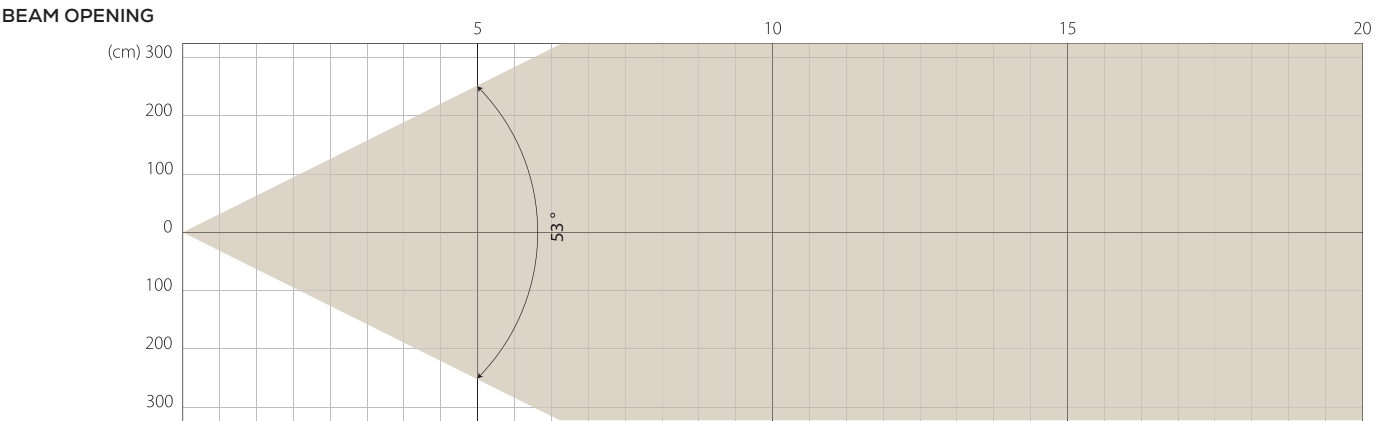
MIDDLE ZOOM



INTENSITY

| Distance (m) | 5    |          | 10   |          | 15  |          | 20  |          |
|--------------|------|----------|------|----------|-----|----------|-----|----------|
| unit         | Lux  | Diameter | Lux  | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 5247 | 1,85     | 1312 | 3,71     | 583 | 5,56     | 328 | 7,41     |

MAX ZOOM

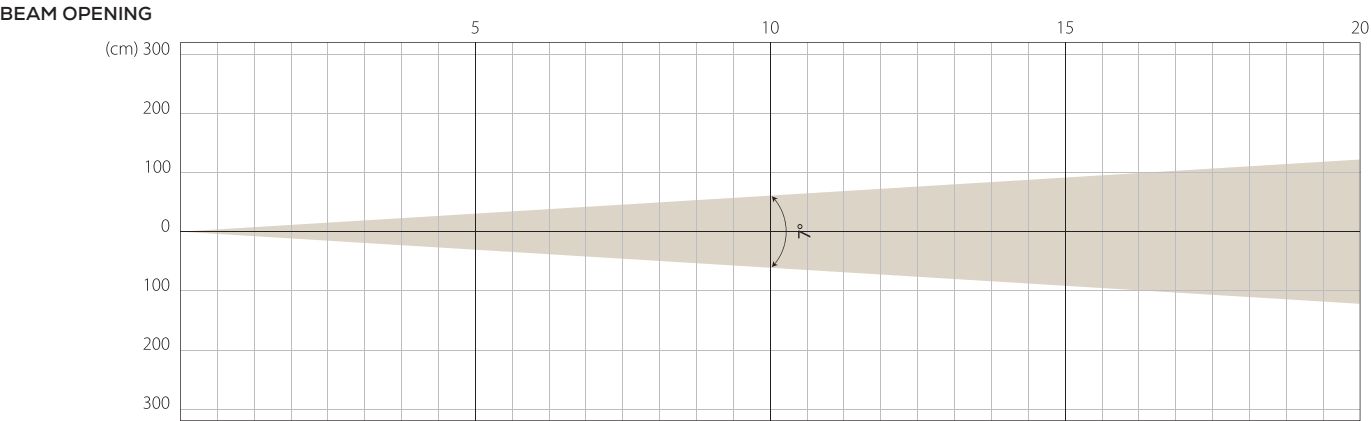


INTENSITY

| Distance (m) | 5   |          | 10  |          | 15  |          | 20  |          |
|--------------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 953 | 4,99     | 238 | 9,97     | 106 | 14,96    | 60  | 19,94    |

SILENCE MODE: PHOTOMETRIC DETAIL

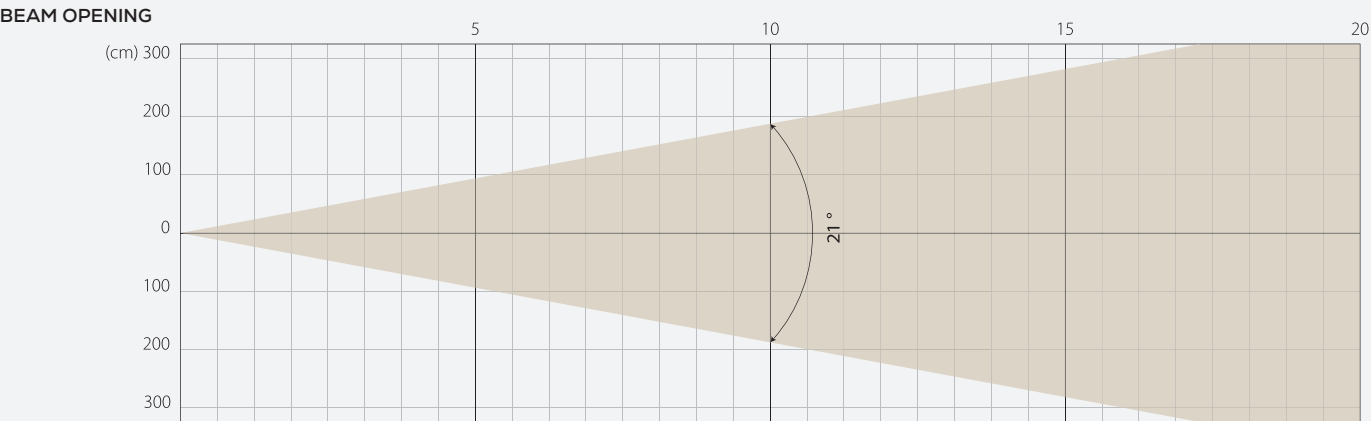
MIN ZOOM



INTENSITY

| Distance (m) | 5     |          | 10   |          | 15   |          | 20   |          |
|--------------|-------|----------|------|----------|------|----------|------|----------|
| unit         | Lux   | Diameter | Lux  | Diameter | Lux  | Diameter | Lux  | Diameter |
| White        | 16037 | 0,61     | 4009 | 1,22     | 1782 | 1,83     | 1002 | 2,45     |

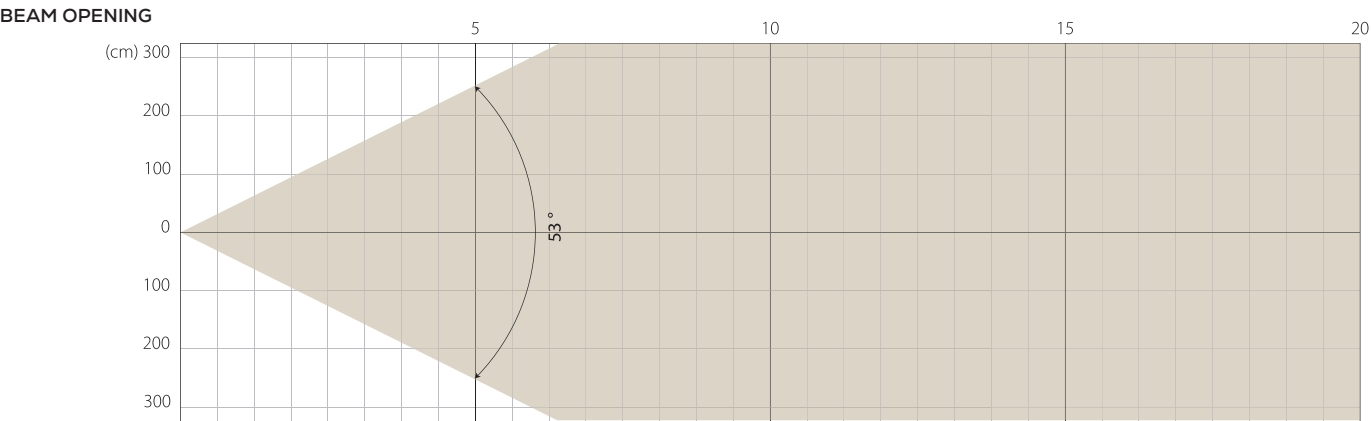
MIDDLE ZOOM



INTENSITY

| Distance (m) | 5    |          | 10  |          | 15  |          | 20  |          |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|
| unit         | Lux  | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 3377 | 1,85     | 844 | 3,71     | 375 | 5,56     | 211 | 7,41     |

MAX ZOOM

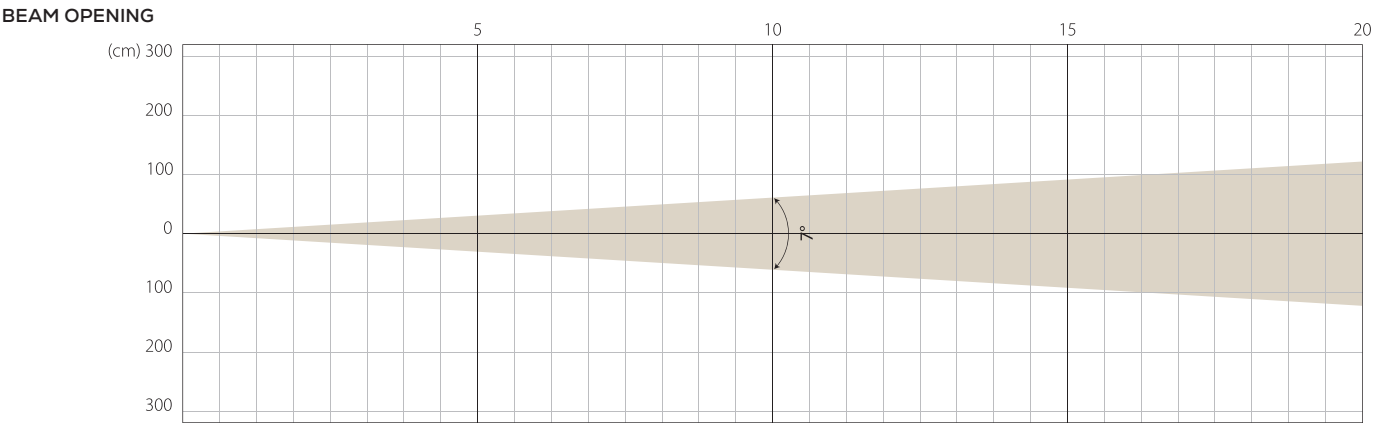


INTENSITY

| Distance (m) | 5   |          | 10  |          | 15  |          | 20  |          |
|--------------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 607 | 4,99     | 152 | 9,97     | 67  | 14,96    | 52  | 19,94    |

SUPER SILENCE MODE: PHOTOMETRIC DETAIL

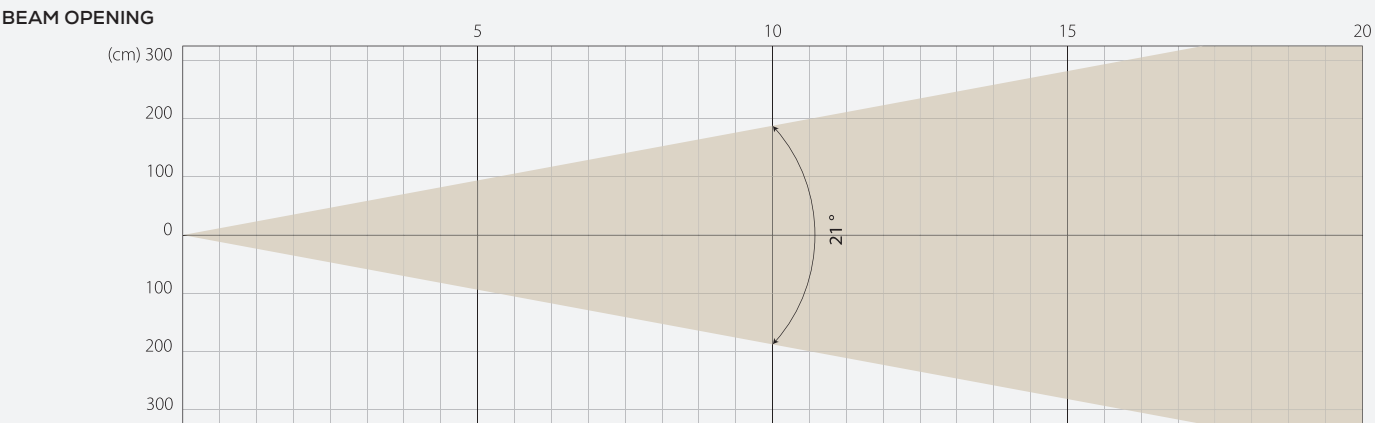
MIN ZOOM



INTENSITY

| Distance (m) | 5     |          | 10   |          | 15   |          | 20  |          |
|--------------|-------|----------|------|----------|------|----------|-----|----------|
| unit         | Lux   | Diameter | Lux  | Diameter | Lux  | Diameter | Lux | Diameter |
| White        | 14689 | 0,61     | 3672 | 1,22     | 1632 | 1,83     | 918 | 2,45     |

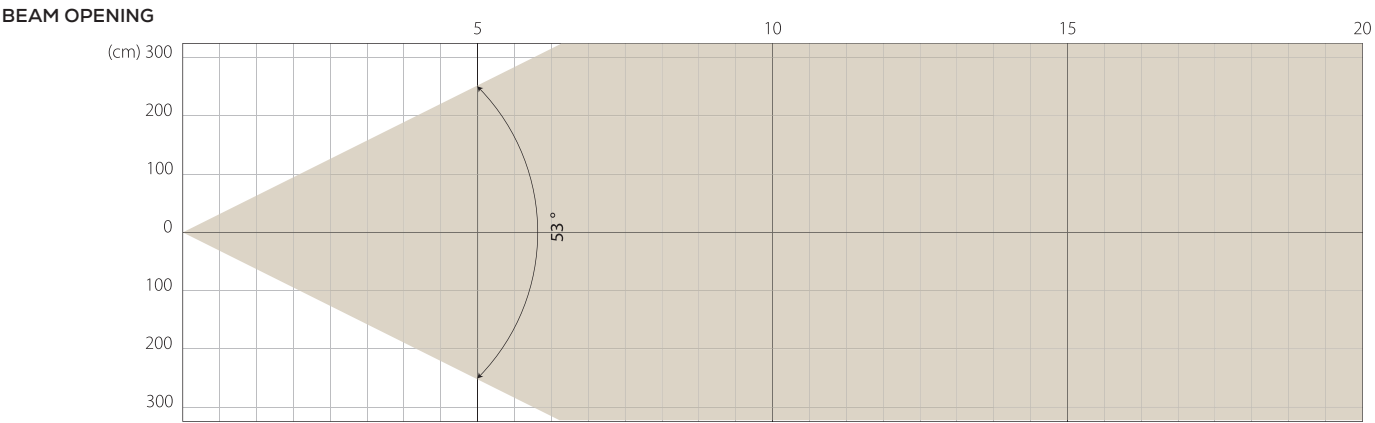
MIDDLE ZOOM



INTENSITY

| Distance (m) | 5    |          | 10  |          | 15  |          | 20  |          |
|--------------|------|----------|-----|----------|-----|----------|-----|----------|
| unit         | Lux  | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 3072 | 1,85     | 768 | 3,71     | 341 | 5,56     | 192 | 7,41     |

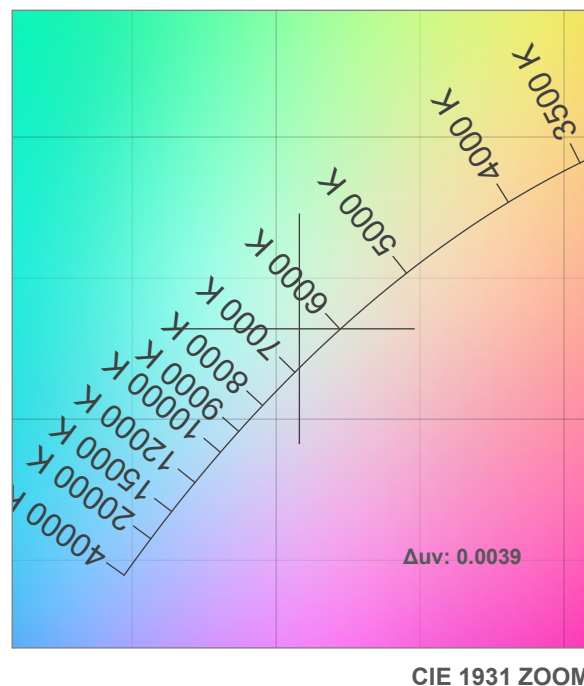
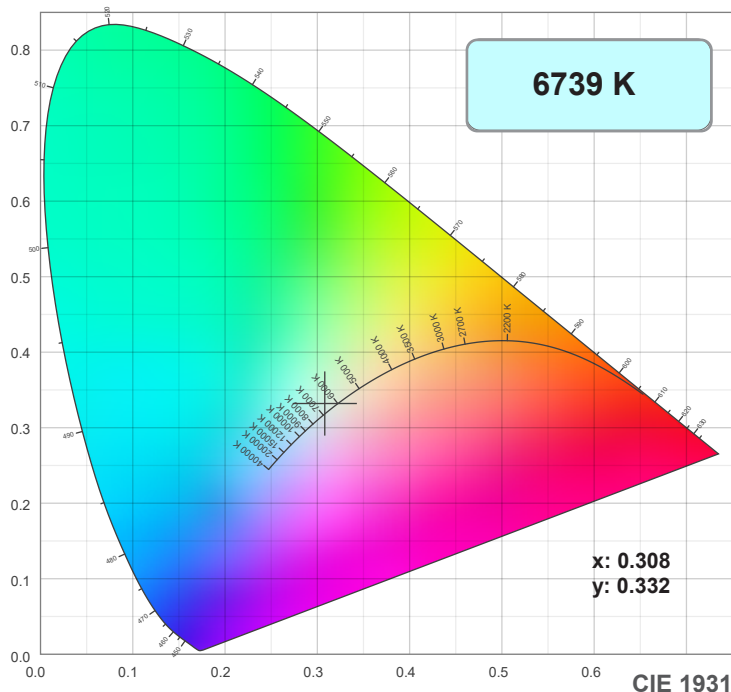
MAX ZOOM



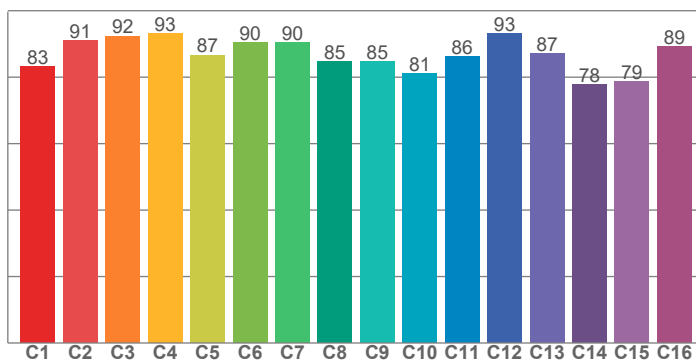
INTENSITY

| Distance (m) | 5   |          | 10  |          | 15  |          | 20  |          |
|--------------|-----|----------|-----|----------|-----|----------|-----|----------|
| unit         | Lux | Diameter | Lux | Diameter | Lux | Diameter | Lux | Diameter |
| White        | 555 | 4,99     | 139 | 9,97     | 62  | 14,96    | 35  | 19,94    |

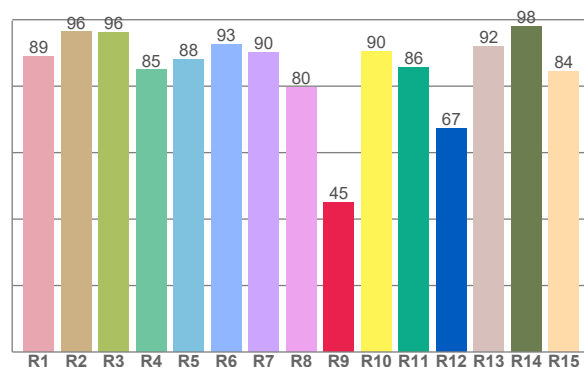
## COLOUR PARAMETERS



**TM-30: 87.1**



**CRI: 89.6 (R1-R8)**



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

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 89.0 | 96.3 | 96.1 | 84.9 | 87.9 | 92.6 | 90.1 | 79.6 | 45.0 | 90.4 | 85.8 | 67.1 | 91.8 | 98.0 | 84.4 |

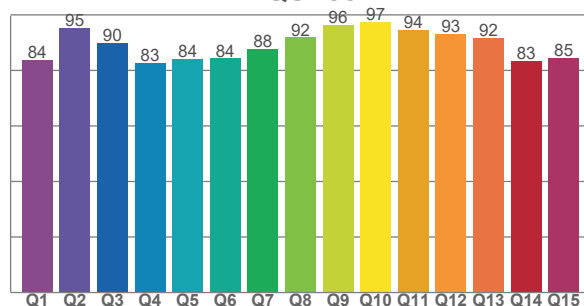
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 83.2 | 91.0 | 92.4 | 93.2 | 86.7 | 90.5 | 90.4 | 84.8 | 84.7 | 81.1 | 86.1 | 93.2 | 87.1 | 77.8 | 78.7 | 89.1 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 83.8 | 95.2 | 89.9 | 82.8 | 84.1 | 84.3 | 87.8 | 91.9 | 96.5 | 97.5 | 94.5 | 93.2 | 91.8 | 83.5 | 84.6 |

**CQS: 88.2**



### 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                             |
| 6739 K            | 89.6                  | 45.0          | 87.1           | 93.8        | 88.2                | 0.308                     | 0.332                     | 0.193            | 0.313            | 0.0039                          |

## TM-30

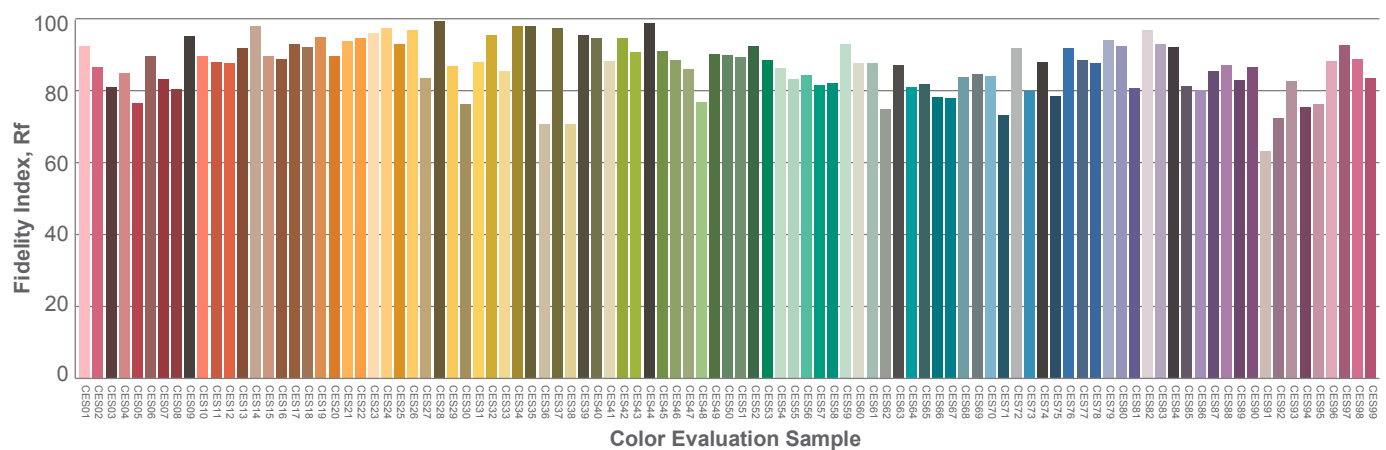
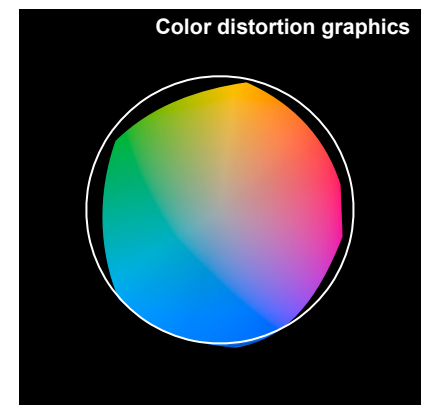
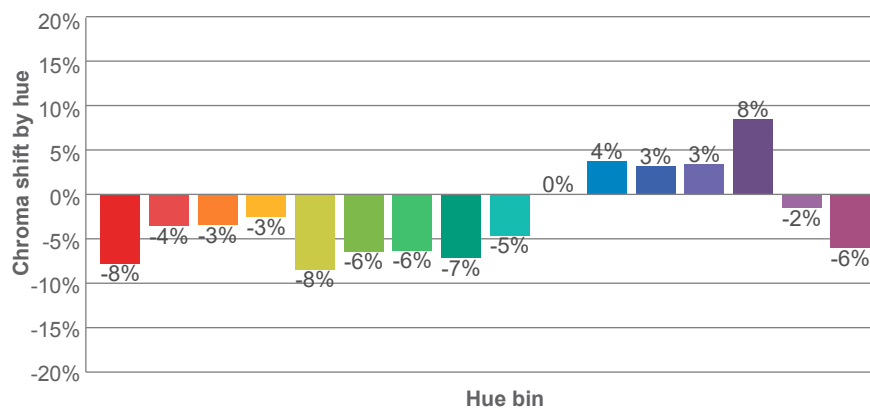
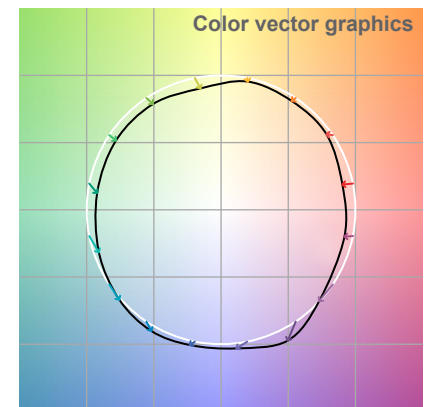
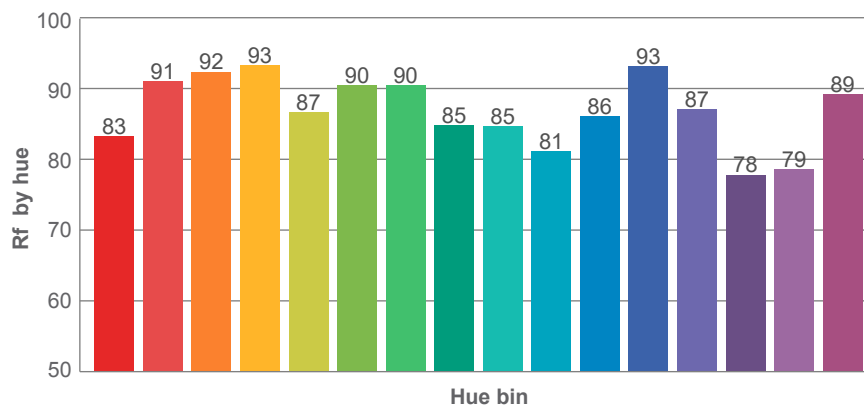
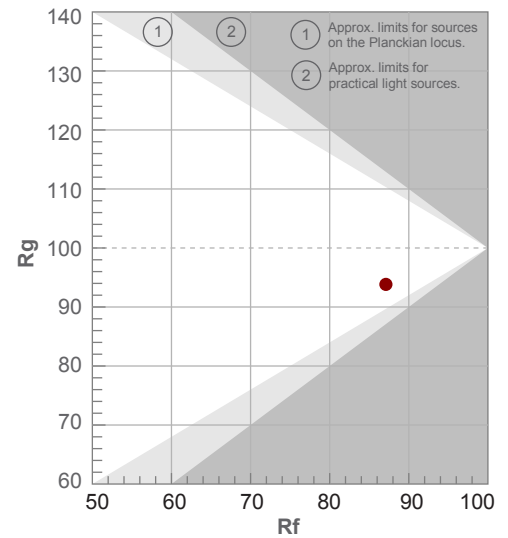
**Rf 87.1**

Fidelity index Rf

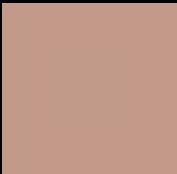
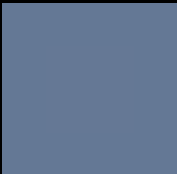
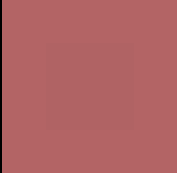
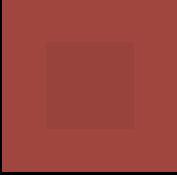
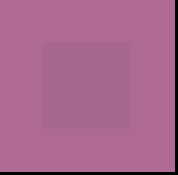
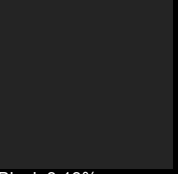
**Rg 93.8**

Gamut index Rg

| Hue Bin | R <sub>f</sub> | Shifts (%) |      |
|---------|----------------|------------|------|
|         |                | Chroma     | Hue  |
| 1       | 83             | -8%        | 1%   |
| 2       | 91             | -4%        | 3%   |
| 3       | 92             | -3%        | 1%   |
| 4       | 93             | -3%        | -1%  |
| 5       | 87             | -8%        | -3%  |
| 6       | 90             | -6%        | -2%  |
| 7       | 90             | -6%        | 1%   |
| 8       | 85             | -7%        | 6%   |
| 9       | 85             | -5%        | 13%  |
| 10      | 81             | 0%         | 14%  |
| 11      | 86             | 4%         | 7%   |
| 12      | 93             | 3%         | -3%  |
| 13      | 87             | 3%         | -9%  |
| 14      | 78             | 8%         | -13% |
| 15      | 79             | -2%        | -16% |
| 16      | 89             | -6%        | -2%  |



TLCI-90

|                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                      |                                                                                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|   |   |   |   |   |   |
| 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%                                                                          |

 **DISCLAIMER**

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