

catalogue

LED Series



ROBE[®]

Extremely powerful LED fixtures.

PROFESSIONAL

LED Series

ROBE's LED Series represents a flexible and powerful line of outdoor LED products for a wide range of applications. Based on powerful Luxeon Rebel LED chips (Luxeon K2 with CityScape Xtreme), LED Series offers amazing output and stunning color-changing effects.

Flexibility was a key requirement when designing the LED Series. Different sizes of the products allow for use in a variety of lighting applications from small objects to large constructions. The possibility to adjust the LED panels in different angles provides versatility to meet challenging landscapes or hard-to-reach structures. Numerous accessories offer additional flexibility with extended beam angle modules, top hats or barn-doors shaping the light beam as needed.

ROBE's high-performance outdoor LED products ultimately combine the flexibility with high efficiency and low maintenance of the LED technology.



CitySource 96™



CityScape 48™



CityScape Xtreme™



CityScape Xtreme™

The most powerful outdoor LED fixture on the market is just released!

188 High Power Luxeon K2 RGBW LEDs!



The most powerful outdoor LED fixture on the market is just released! 188 High Power Luxeon K2 RGBW LEDs!

The LEDs are densely populated, providing an extremely bright light output. The unit is completely silent due to the convection cooling system, and its IP 65 rating means it can be used for a variety of exterior installations.

It is an ideal fixture for illuminating large buildings and indoor/outdoor stages, thanks to the high light output of the LED modules. The unique combination of RGBW LED colours delivers a stunning quality of white light, not seen in other competitive products.

product position



photo installation

Electrical Specifications

- Power supply: Electronic auto-ranging
- Input voltage range: 100 - 240V AC, 50-60 Hz
- Power consumption: 555W (high power mode)
365W (eco mode)

Environment Specification

- Maximum ambient temperature: 40° C
- Maximum housing temperature: 85° C

Optic & Effect specification

- Light source: 188 Luxeon K2 LEDs (RGBW)
- Standard optical system: 8.5° beam angle and frost glass 24° included
- LED life expectancy: 60.000 hours (Eco mode), 15.000 hours (high power mode)
- RGBW colour mixing
- Built-in colour macros
- Adjustable strobe sequences
- White colour balance adjusting
- Pre-programmed random strobe pulse-effects

Connection

- DMX data IN/OUT: Locking 5-pin XLR
- Power: 1.4m long power cable without plug

Control and Programming

- Control panel: 4-digit LED display and four control buttons
- Control: USITT DMX 512 (RDM support)
- DMX protocol modes: 6 (2, 3, 4, 8, 12 control channels)
- Operations modes: DMX, Stand-alone, Master/Slave
- Manual control of all effects via control panel
- 3 user editable programs each up to 68 steps
- Smooth 16-bit dimming from 0 – 100 %

Rigging

- Via two Omega clamp

Optional Accessories

- Barndoors
- Top hat
- Half top hat
- Single Top-loader case

Mechanical Specification

- Height: 644 mm
- Width: 912 mm
- Depth: 300 mm
- Weight: 64 kg
- Single LED module "tilt" adjustment range: +95°/-5°
- Both LED module "tilt" adjustment range: °+175°/-20°
- Protection factor: IP 65

technical specification

main characteristic

CityScape Xtreme™

Barn-door



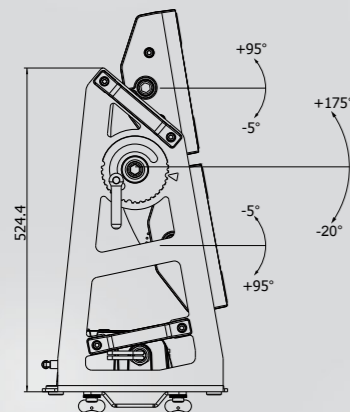
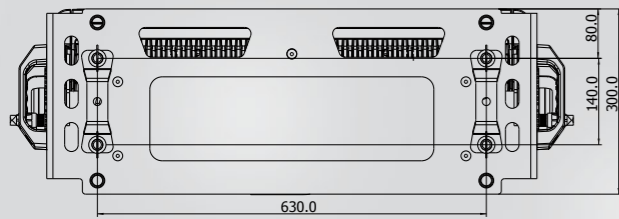
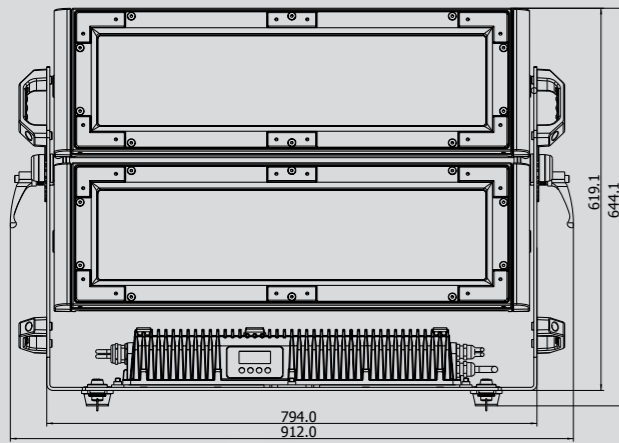
Half Top Hat



Top Hat

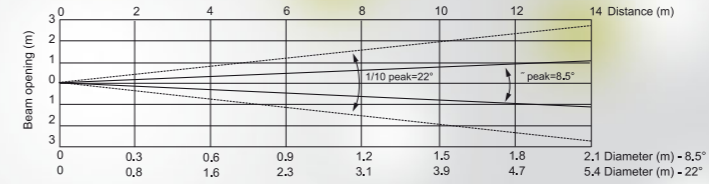


Standart diffusor 24°



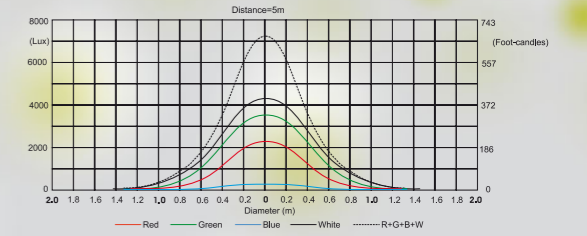
accessories

8.5° Beam Angle

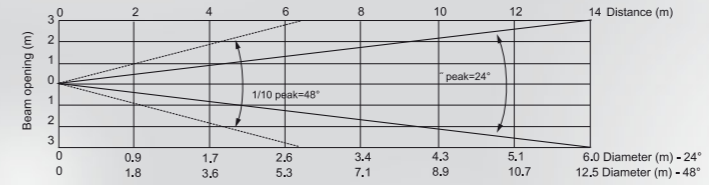


| Distance (m) | 2 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | |
|--------------|------------|------------|----------|----------|----------|----------|----------|--------|--------------------------------------|
| Red | 14596/147 | 3827/337 | 232/1216 | 1612/150 | 907/84 | 580/54 | 403/37 | 296/28 | Intensity (center) Lux/Footcandle |
| Green | 22438/2084 | 5609/521 | 3590/333 | 2493/232 | 1402/130 | 898/83 | 623/58 | 458/43 | |
| Blue | 3000/279 | 750/70 | 480/45 | 333/31 | 188/17 | 120/11 | 83/8 | 61/6 | |
| White | 27000/2508 | 6750/627 | 4320/401 | 3000/279 | 1688/159 | 1080/100 | 750/70 | 551/51 | |
| R+G+B+W | 45874/4202 | 11469/1098 | 7340/682 | 5097/474 | 2867/266 | 1835/171 | 1274/116 | 936/87 | |

Illuminance distribution

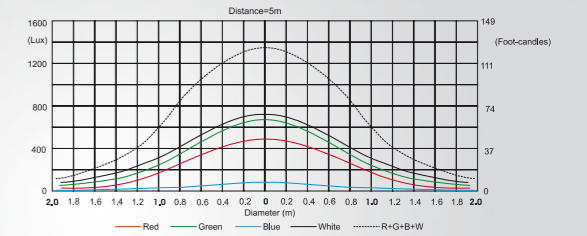


24° Beam Angle



| Distance (m) | 2 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | |
|--------------|----------|----------|----------|--------|--------|--------|--------|--------|--------------------------------------|
| Red | 2937/273 | 734/68 | 470/44 | 326/30 | 184/17 | 118/11 | 82/8 | 60/6 | Intensity (center) Lux/Footcandle |
| Green | 3938/366 | 984/92 | 630/59 | 438/41 | 246/23 | 158/15 | 109/10 | 80/8 | |
| Blue | 563/52 | 141/13 | 90/8 | 63/6 | 35/3 | 23/2 | 16/2 | 10/0.9 | |
| White | 4425/411 | 1086/101 | 695/65 | 483/45 | 272/25 | 174/16 | 121/11 | 89/8 | |
| R+G+B+W | 8565/796 | 2141/199 | 1370/127 | 951/88 | 535/50 | 343/32 | 238/22 | 175/16 | |

Illuminance distribution



dimensions

lux diagrams

CitySource 96™

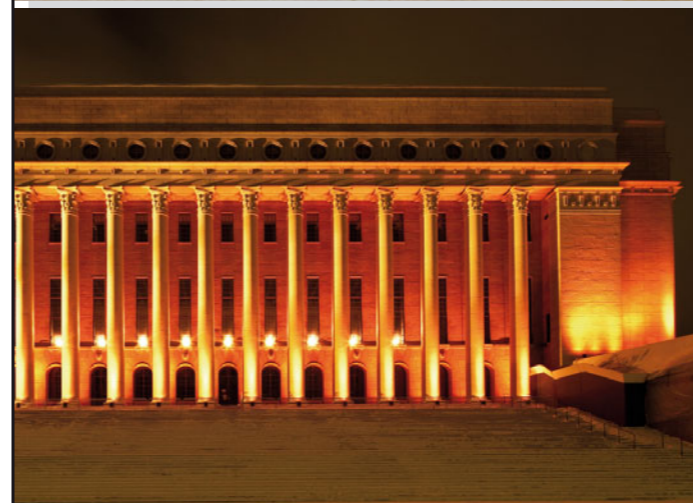
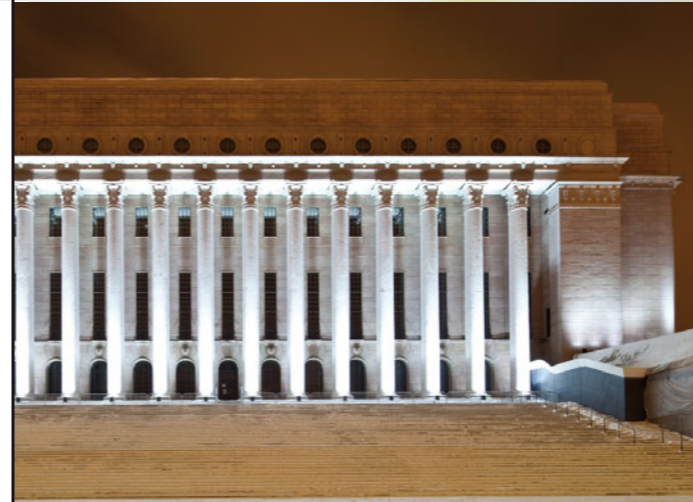
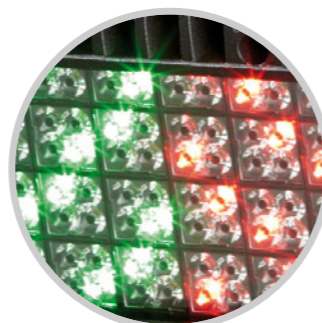
The Robe CitySource 96™ is the latest addition to a growing range of LED lighting projectors.



The fixture has the power to produce the light output required by the most demanding of lighting projects.

Housed in a compact IP65 rated aluminium casting, the 96 high brightness Rebel LEDs provide an incredible light output - previously unavailable in LED fixtures of this size. Control is via DMX/RDM allowing for advanced programming options. The latest electronics ensure a stable white balance is achieved as well as a minimum life expectancy of 60,000 hours.

Available in a variety of colour options including RGB/CW, RGB WW, RGB/A as well as CW and WW, the CitySource 96™ is a truly versatile unit that can be specified for all types of interior and exterior lighting schemes.



Electrical Specifications

- Power supply: Electronic auto-ranging
- Input voltage range: 100 - 240V AC, 50-60 Hz
- Power consumption: 190W (high power mode)
125W (eco mode)

Environment Specification

- Maximum ambient temperature: 40° C
- Maximum housing temperature: 80° C

Optic & Effect specification

- Light source: 96 high power RGBW Luxeon Rebel LEDs
- Standard optical system: 12° beam angle and eggcrate lens module 25°
- LED life expectancy: 60.000 hours (Eco mode),
12.000 hours (high power mode)
- RGBW colour mixing
- Built-in colour macros
- Adjustable strobe sequences
- White colour balance adjusting
- Pre-programmed random strobe pulse-effects

Connection

- DMX data IN: 1.3m long cable with 5-pin Indoor XLR (male)
- DMX data OUT: 1.3m long cable with 5-pin Indoor XLR (female)
- Power: 1.4m long power cable without plug

Control and Programming

- Control panel: 4-digit LED display and four control buttons
- Control: USITT DMX 512 (RDM support)
- DMX protocol modes: 6 (2, 3, 4, 8, 12 control channels)
- Operations modes: DMX, Stand-alone, Master/Slave
- Manual control of all effects via control panel
- 3 user editable programs each up to 68 steps
- Smooth 16-bit dimming from 0 - 100 %

Rigging

- Via Omega clamp (Floor stand included)

Optional Accessories

- Barndoors
- Eggcrate lens module 45°
- Eggcrate lens module 45°x15°
- Eggcrate top hat module (without lenses)
- Top hat
- Half top hat
- Single Top-loader case (without castors)
- Dual Top-loader case
- Quad Top-loader case

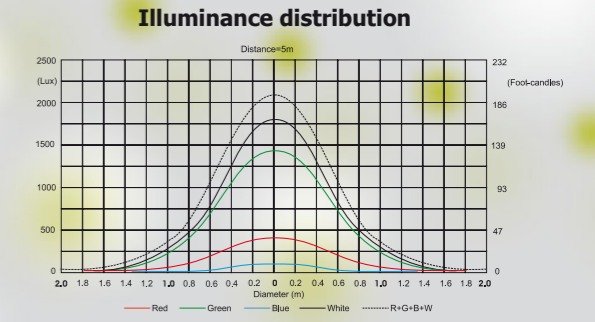
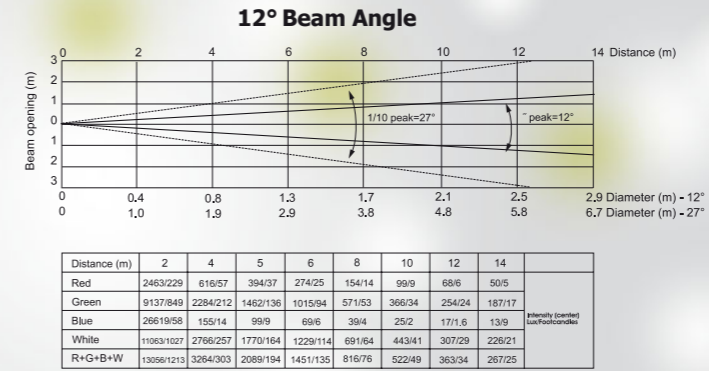
Mechanical Specification

- Height: 173 mm
- Height: 300 mm
- Width: 290 mm
- Depth: 316 mm
- Mounting bracket adjustment range: 360°
- Weight: 11 kg

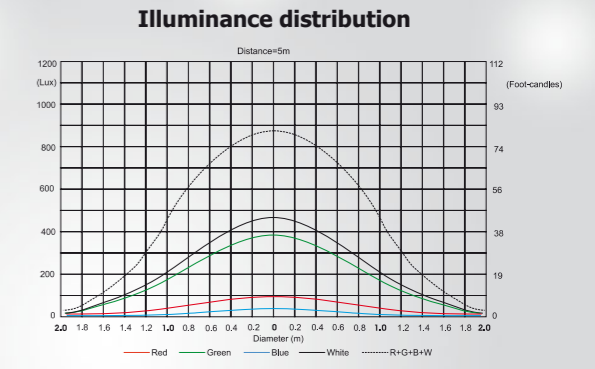
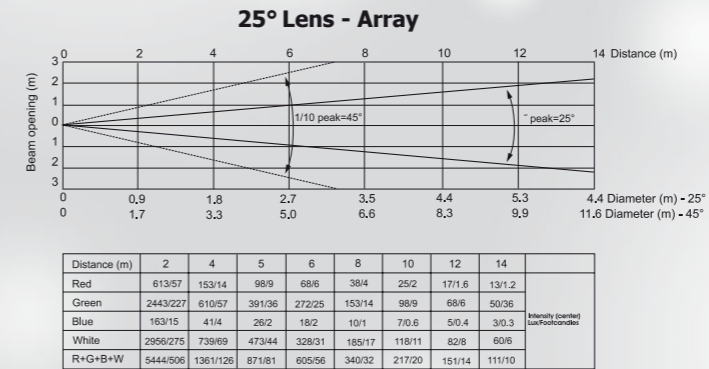
- Protection factor: IP 65

CitySource 96™

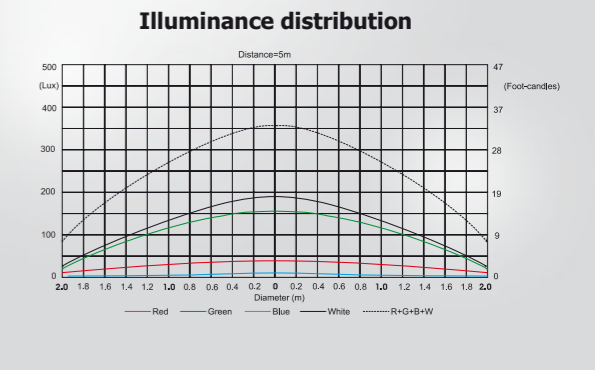
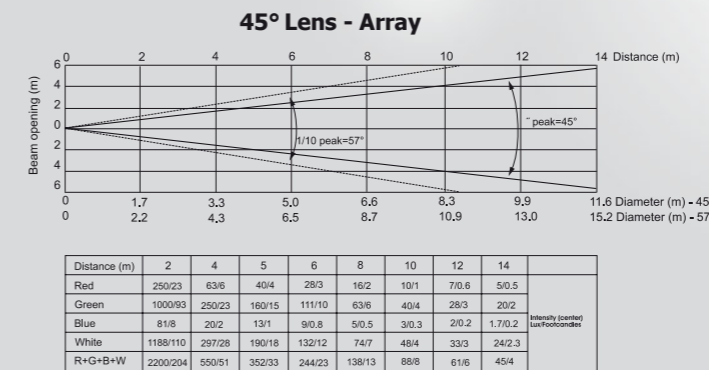
Barn-door



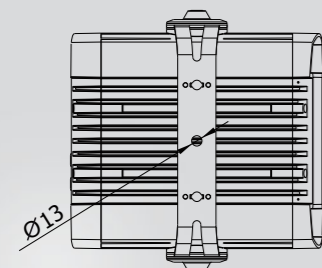
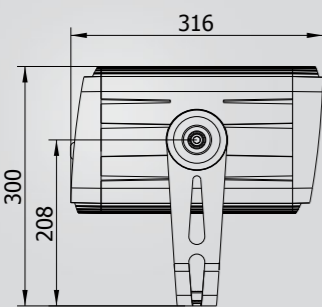
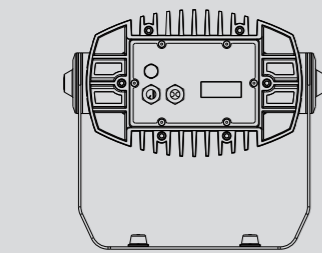
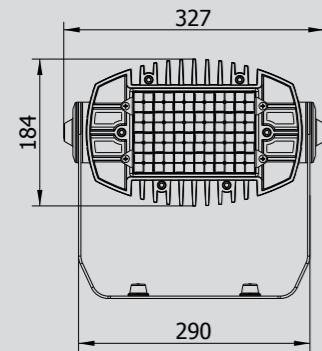
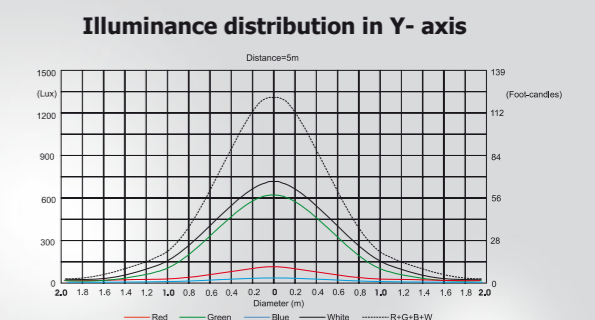
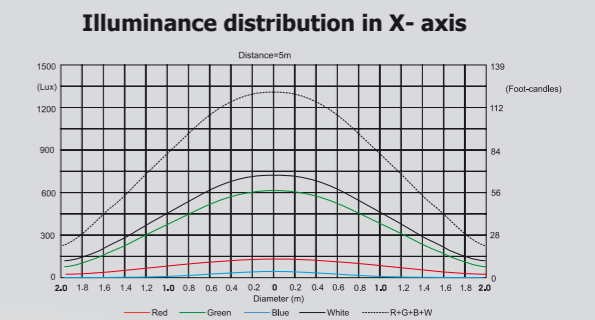
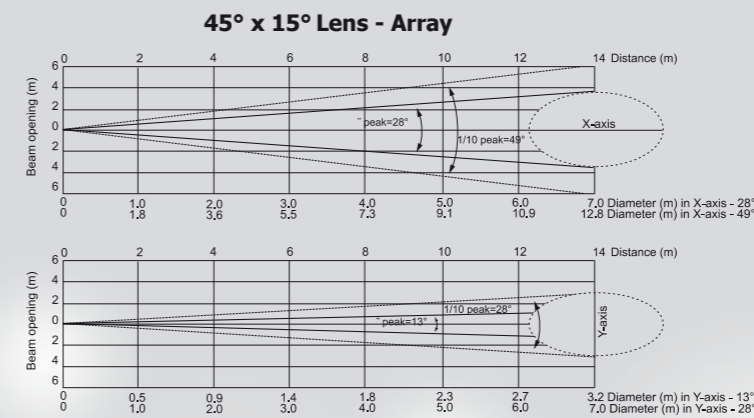
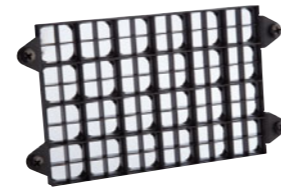
Half Top Hat



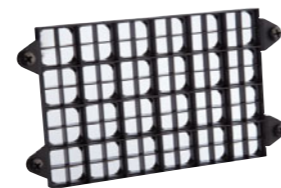
Top Hat



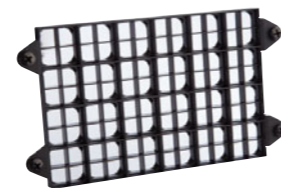
Optional 25° beam angle module



Optional 45° beam angle module



Optional 45°x15° beam angle module



CityScape 48™

The Robe CityScape 48™ is designed to produce rich, saturated colours and colour changing effects for wall-washing, spot lighting and highlighting elements like large alcoves and tall buildings.



The CityScape 48™ is a durable and robust fixture with a projected lifespan of at least 60,000 hours. The base is made from cast metal and includes an inbuilt power supply and an intelligent LED driver.

The fixture's head is made up of a cast aluminium radiator onto which the LED matrix and lenses are fitted. The head can be moved in relation to the base in tilt range +60°/-90°.

product position



photo installation

Electrical Specifications

- Power supply: Electronic auto-ranging
- Input voltage range: 100 - 240V AC, 50-60 Hz
- Power consumption: 60W (high power mode)
40 W (eco mode)

Environment Specification

- Maximum ambient temperature: 40° C
- Maximum housing temperature: 80° C

Optic & Effect specification

- Light source: 48 high power RGBW Luxeon Rebel LEDs
- Standard optical system: 12° beam angle and eggcrate lens module 25°, banddoors included
- LED life expectancy: 60.000 hours (Eco mode), 15.000 hours (high power mode)
- RGBW colour mixing
- Built-in colour macros
- Adjustable strobe sequences
- White colour balance adjusting
- Pre-programmed random strobe pulse-effects

Connection

- DMX data IN: 1.3m long cable with 5-pin Indoor XLR (male)
- DMX data OUT: 1.3m long cable with 5-pin Indoor XLR (female)
- Power: 1.4m long power cable without plug

Control and Programming

- Control panel: 4-digit LED display and four control buttons
- Control: USITT DMX 512 (RDM support)
- DMX protocol modes: 4 (2,3,4, 8 control channels)
- Operations modes: DMX, Stand-alone, Master/Slave
- Manual control of all effects via control panel
- 3 user editable programs each up to 68 steps
- Smooth 16-bit dimming from 0 - 100 %

Rigging

- Omega clamp + adapter for Omega clamp

Optional Accessories

- Eggcrate lens module 45°
- Eggcrate lens module 45°x15°
- Eggcrate top hat module (without lenses)
- Quad Top-loader case (without castors)
- Octuple Top-loader case

Mechanical Specification

- Height: 173 mm
- Width: 209 mm
- Depth: 147 mm
- Head position adjustment range: 145°
- Weight: 3 kg

- Protection factor: IP 65

technical specification

main characteristic

CitySkape 48™

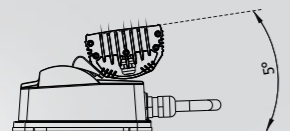
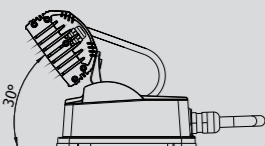
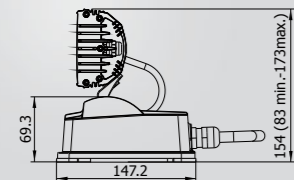
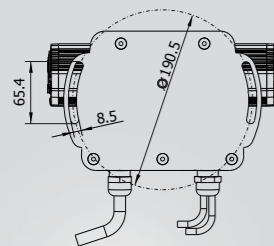
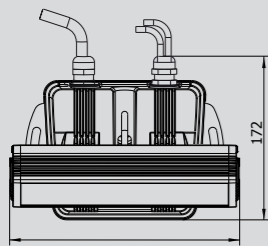
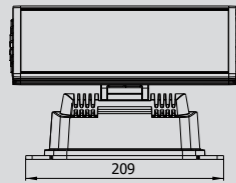
Barn-door



Half Top Hat



Top Hat



Optional 25° beam angle module



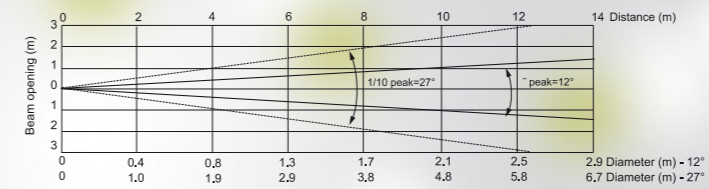
Optional 45° beam angle module



Optional 45°x15° beam angle module

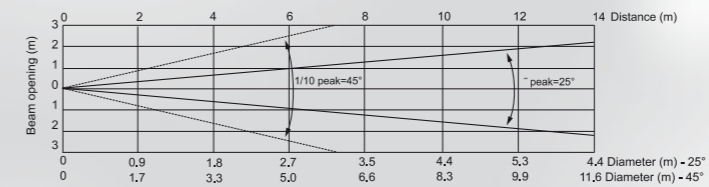


12° Beam Angle



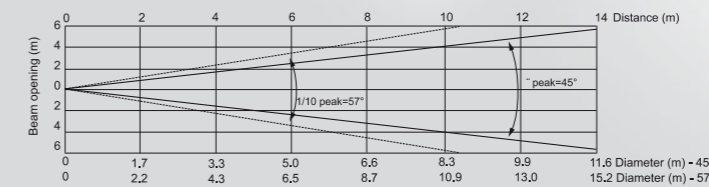
| Distance (m) | 2 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | |
|--------------|----------|----------|----------|--------|--------|--------|--------|--------|--------------------------------------|
| Red | 1013/94 | 253/24 | 162/15 | 112/11 | 63/6 | 41/4 | 28/3 | 21/2 | Intensity (center) Lux/Footcandle |
| Green | 4250/395 | 1062/99 | 680/63 | 472/44 | 266/25 | 170/16 | 118/11 | 87/8 | |
| Blue | 269/25 | 67/6 | 43/4 | 30/3 | 17/2 | 11/1 | 8/0.7 | 6/0.5 | |
| White | 5313/494 | 1328/123 | 850/79 | 590/55 | 332/31 | 213/20 | 148/14 | 109/10 | |
| R+G+B+W | 7263/675 | 1816/168 | 1162/108 | 807/75 | 454/42 | 291/27 | 202/19 | 148/14 | |

25° Lens - Array



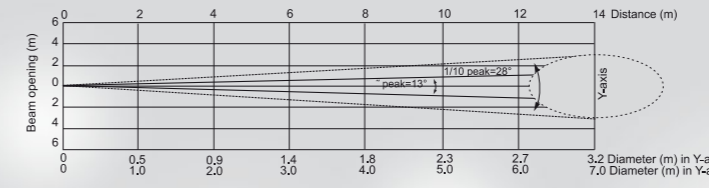
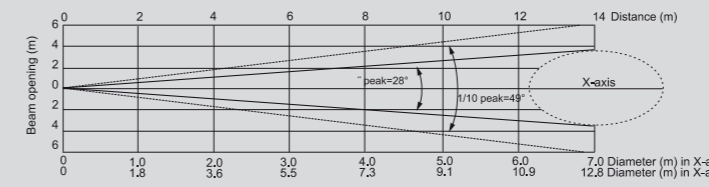
| Distance (m) | 2 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | |
|--------------|----------|--------|--------|--------|--------|-------|-------|-------|--------------------------------------|
| Red | 394/37 | 98/9 | 63/6 | 44/4 | 25/2 | 16/2 | 11/1 | 8/0.7 | Intensity (center) Lux/Footcandle |
| Green | 1131/105 | 283/26 | 181/17 | 126/12 | 71/7 | 45/4 | 31/3 | 23/2 | |
| Blue | 106/10 | 27/3 | 17/2 | 12/1 | 7/0.6 | 4/0.4 | 3/0.3 | 2/0.2 | |
| White | 1438/134 | 359/33 | 227/21 | 160/15 | 90/8 | 58/5 | 40/4 | 30/21 | |
| R+G+B+W | 1913/178 | 478/44 | 300/28 | 213/20 | 120/11 | 77/7 | 53/5 | 39/4 | |

45° Lens - Array



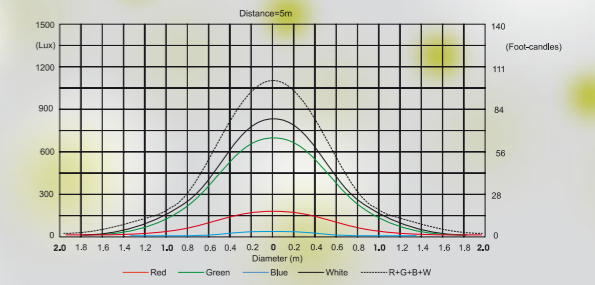
| Distance (m) | 2 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | |
|--------------|--------|--------|--------|-------|-------|---------|-------|---------|--------------------------------------|
| Red | 106/10 | 27/3 | 17/2 | 12/1 | 7/0.6 | 4/0.4 | 3/0.3 | 2/0.2 | Intensity (center) Lux/Footcandle |
| Green | 463/43 | 115/11 | 74/7 | 51/5 | 29/3 | 19/7 | 13/1 | 9/1 | |
| Blue | 38/4 | 9/1 | 6/0.6 | 4/0.4 | 2/0.2 | 1.5/0.1 | 1/0.1 | 0.8/0.1 | |
| White | 606/56 | 152/14 | 97/9 | 67/6 | 38/4 | 24/2 | 17/2 | 12/1 | |
| R+G+B+W | 844/78 | 211/20 | 135/13 | 94/9 | 53/5 | 34/3 | 23/2 | 17/2 | |

45° x 15° Lens - Array

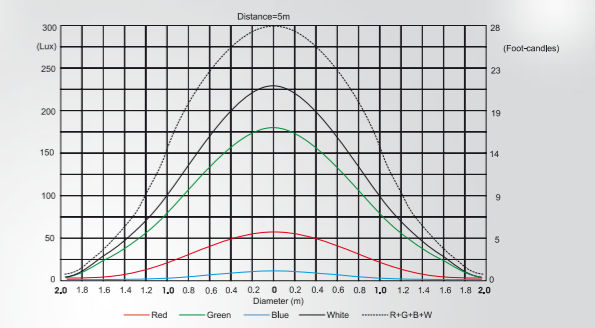


| Distance (m) | 2 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | |
|--------------|----------|--------|--------|--------|--------|--------|-------|-------|--------------------------------------|
| Red | 344/32 | 86/40 | 55/5 | 38/4 | 22/2 | 14/1.3 | 10/1 | 7/0.7 | Intensity (center) Lux/Footcandle |
| Green | 1696/37 | 402/37 | 257/24 | 179/17 | 100/9 | 64/6 | 45/4 | 33/3 | |
| Blue | 106/10 | 27/3 | 17/2 | 12/1 | 7/0.6 | 4/0.4 | 3/0.3 | 2/0.2 | |
| White | 2125/197 | 531/49 | 340/32 | 236/22 | 133/12 | 85/8 | 58/6 | 43/4 | |
| R+G+B+W | 2863/266 | 716/67 | 458/43 | 318/30 | 179/17 | 115/11 | 80/7 | 58/5 | |

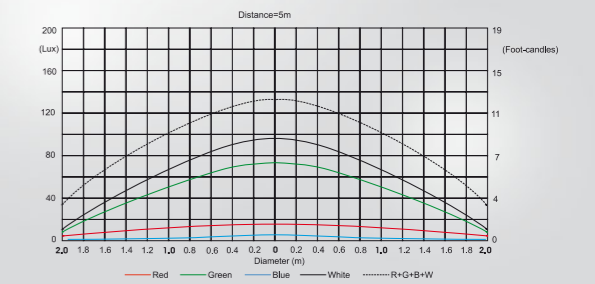
Illuminance distribution



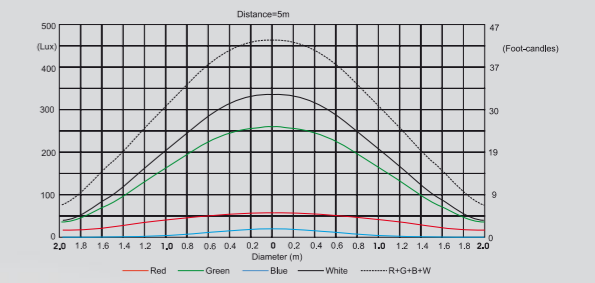
Illuminance distribution



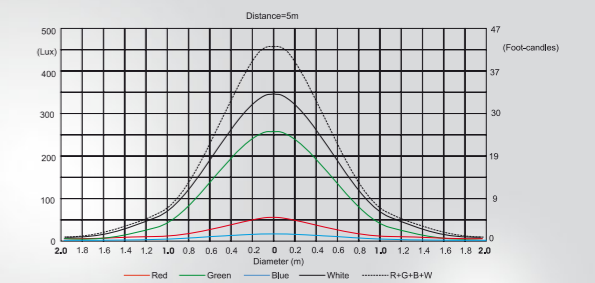
Illuminance distribution



Illuminance distribution in X-axis



Illuminance distribution in Y-axis



c a t a l o g u e

LED *Series*



ROBE[®]

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