

PULSAR PLUS S2

Outdoor Moving Head

SPEC SHEET



Foshan YiFeng Electric Industrial Co.,Ltd.

No.898, Gaoming Avenue East, Hecheng Blvd, Gaoming District, Foshan, Guangdong, China.

Web: www.acmelighting.com Email: sales@acmelighting.com

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FIXTURE OVERVIEW

- The ACME **PULSAR PLUS S2** is the upgraded evolution of the highly acclaimed PULSAR S2, delivering greater brightness, IP66-rated durability, and even more creative possibilities. Its dual-face head design combines beam, strobe, pixel, and wash effects, while infinite pan/tilt movement unlocks maximum creative flexibility.
- The front of the head boasts four 150W RGBL LEDs, delivering powerful beams and uniform washes through a motorized zoom from 3.5° to 24°. This section produces a remarkable 10,500 lumens of output, offering higher brightness than the PULSAR S2. These LEDs are covered by a large outer lens, ensuring stunning optical performance as well as easy cleaning and maintenance. A standout feature is the kaleidoscope effect, powered by 150W RGBL LEDs, producing vivid, multi color textures that enhance stage visuals.
- The rear of the head features a pixel/strobe section with 160 x 3W CW LEDs and 192 x 0.5W RGB LEDs, along with a beam section with 16 x 10W CW LEDs. For added creativity, the **PULSAR PLUS S2** is equipped with ACME's patented electronic frost system, applied to both the pixel and 10W beam sections. This enables seamless transitions from sharp beams to soft looks.
- With expanded creative potential and a rugged IP66 housing, the **PULSAR PLUS S2** pushes the boundaries of the original design, making it the perfect choice for large-scale outdoor productions.



FEATURE HIGHLIGHTS

- Light Source:
 - Beam/Wash Section: 4 x 150W RGBL LEDs
 - Pixel/Strobe Section:
 - 160 x 3W CW LEDs
 - 192 x 0.5W RGB LEDs
 - 10W Beam Section: 16 x 10W CW LEDs
- Beam Angle:
 - Beam/Wash Section: 3.5°-24°
 - Pixel Section: 115°
 - Strobe Section: 108°
 - 10W Beam Section: 3.5°
- Field Angle:
 - Beam/Wash Section: 5°-30°
 - Kaleidoscope Effect: 14°, 24°
- Fixture Luminous Output:
 - Beam/Wash Section: 10,500 lumens
 - Pixel Section (RGB): 3,800 lumens
 - Strobe Section (CW): 28,500 lumens
 - 10W Beam Section: 2,700 lumens
- Color Temperature Output of Fixture: 8,000K
- Variable CTO ranging from 2,500K-8,000K
- Outstanding strobe effect with variable speed
- Smooth dimming 0-100% (4 user selectable dimming curves)
- DMX Controllable Smart Glass technology for
 - Pixel and 10W Beam Sections
 - Built-in color macro effects
 - Motorized linear zoom system
- IP66 rated

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TECHNICAL SPECIFICATIONS

Model

- Model Name: PULSAR PLUS S2
- Model Code: CM S2 IP

Light Source

- Light Source:
- Beam/Wash Section: 4 x 150W RGBL LEDs
- Pixel/Strobe Section:
160 x 3W CW LEDs 192 x 0.5W RGB LEDs
- 10W Beam Section: 16 x 10W CW LEDs
- Color Temperature Output of Fixture: 8,000K
- Life Expectancy: 20,000 hours*
- *Source manufacturer specification

Photometric Data

- Fixture Luminous Output:
- Beam/Wash Section: 10,500 lumens
- Pixel Section (RGB): 3,800 lumens
- Strobe Section (CW): 28,500 lumens
- 10W Beam Section: 2,700 lumens
- CCT: 8,000K (+/- 200K)
- CRI: 85
- TM-30 Rf (IES TM-30-15 Fidelity Index): 87
- TM-30 Rg (IES TM-30-15 Fidelity Index): 105
- TLCI: 85

Optical System

- Frontal Lens: 90 x 90 mm
- Beam Angle:
Beam/Wash Section: 3.5°-24°
Pixel Section: 115°
Strobe Section: 108°
10W Beam Section: 3.5°
- Field Angle:
Beam/Wash Section: 5°-30°
Kaleidoscope Effect: 14°, 24°
- DMX Controllable Smart Glass technology for
Pixel and 10W Beam Sections
- Patent No.:
CN216010577U
US11698183B1
DE202023101966U1
FR3134870B3

Control & Program

- 4 touch button control panel
- Display: LCD display
- Protocols: DMX, RDM, Art-Net, sACN, NFC
- Setting and Addressing: Display menu, RDM
- DMX Modes: 5
- DMX Channels: 43/153/139/195/27+168
- Firmware Upgrade: Upgrade via DMX link or USB stick

Pan & Tilt

- Pan: Infinity
- Tilt: Infinity
- Automatic Pan/Tilt position correction
- Resolution: 16 bit
- Pan/Tilt lock

Color Correction

- Linear CTO Color Correction: 2,500K-8,000K

Zoom

- Motorized linear zoom system

Electrical

- Input Voltage Range: 100-240Vac; 50/60Hz
- Power Consumption: 1,200W
- Power In/Out: Waterproof power connector in/out
- Data In/Out: 3-pin or 5-pin waterproof XLR, waterproof RJ45 connector

Physical

- Weight: 20.5 kg (45.2 lbs)
- Length (Head): 272 mm (10.7")
- Length (Base): 310 mm (12.2")
- Width (Across Yoke): 309 mm (12.2")
- Height (Head Up): 496 mm (19.5")

Construction

- Housing: Magnesium alloy
- Color: Black
- Protection Rating: IP66

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TECHNICAL SPECIFICATIONS

Work Environment

- Maximum Ambient Temperature: 45°C
- Minimum Operating Temperature: -20°C
- Maximum Surface Temperature: 70°C

Acoustic Data

- Noise Level:
Standard Mode: 49 dB(A) @ 1 m
Quiet Mode: 38 dB(A) @ 1 m

Installation

- Universal working position
- 2 omega brackets
- Safety cable attachment point

Approvals

- CE compliant
EMC directive 2014/30/EU
LVD directive 2014/35/EU
- UKCA compliant
Electromagnetic Compatibility Regulations 2016
Electrical Equipment (Safety) Regulations 2016
- cETLus compliant
UL 1573
CSA C22.2 #166



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INCLUDED ITEMS

Included Items

- Digital user manual
- Power cable
- 2 omega brackets (3002003002)

ORDERING INFORMATION

Optional Accessories (With Order Code)

- Flight Case:
 - Standard: Four-pack loader case (63584350)
 - North American Standard: : TBD
- Clamp: C-150B (2060001625-C)
- Safety Cable: SW-05 (2060001603-E)
- Signal Cable: 3-pin waterproof signal cable (3017013468) or 5-pin waterproof signal cable (3017013473)

Carton Dimensions

- Width : 405 mm (15.9")
- Depth : 385 mm (15.2")
- Height : 660 mm (26")
- Weight :
- G.W.: 24.5 kg (54 lbs) (one-pack loader carton)



3-pin/5-pin waterproof
signal cable: 3017013468/3017013473



SW-05: 2060001603-E



C-150B: 2060001625-C



Standard(Four-pack loader case): 63584350

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(STANDARD) FLIGHT CASE

APPLICABLE MODELS

- PULSAR PLUS S2 (CM S2 IP)

ORDER CODE

- 63584350 PULSAR PLUS S2 (CMS2 IP)

CASE WEIGHT

- 58 kg (127.9 lbs)

MEAS

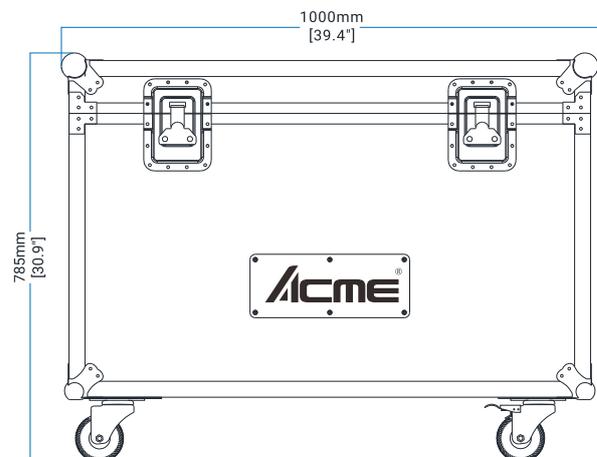
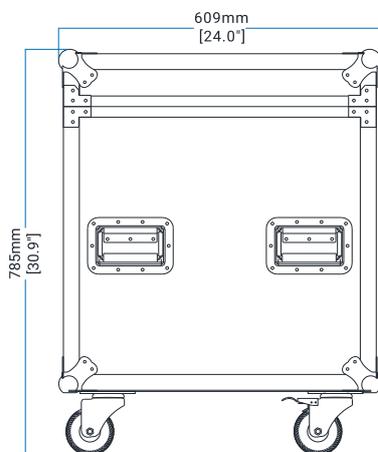
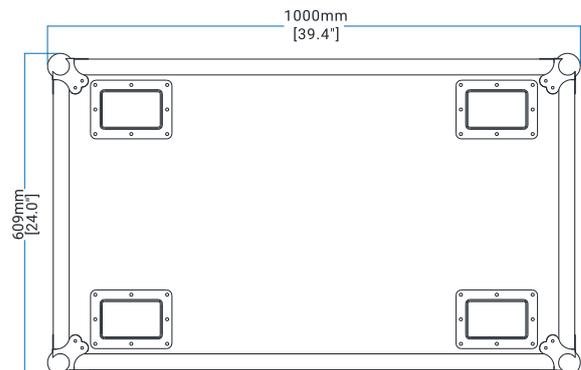
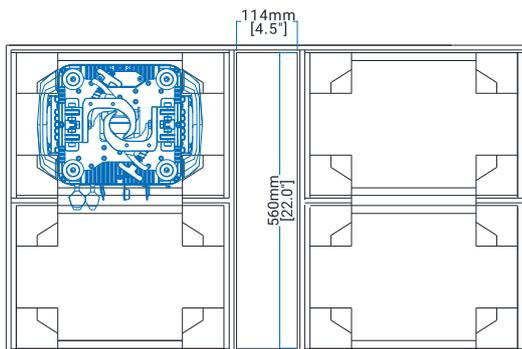
- 1,000 x 609 x 785 mm (39.4" x 24.0" x 30.9")

LOADING Q'TY

- Four-pack loader case

MAXIMUM STACKING

- 3 stacks



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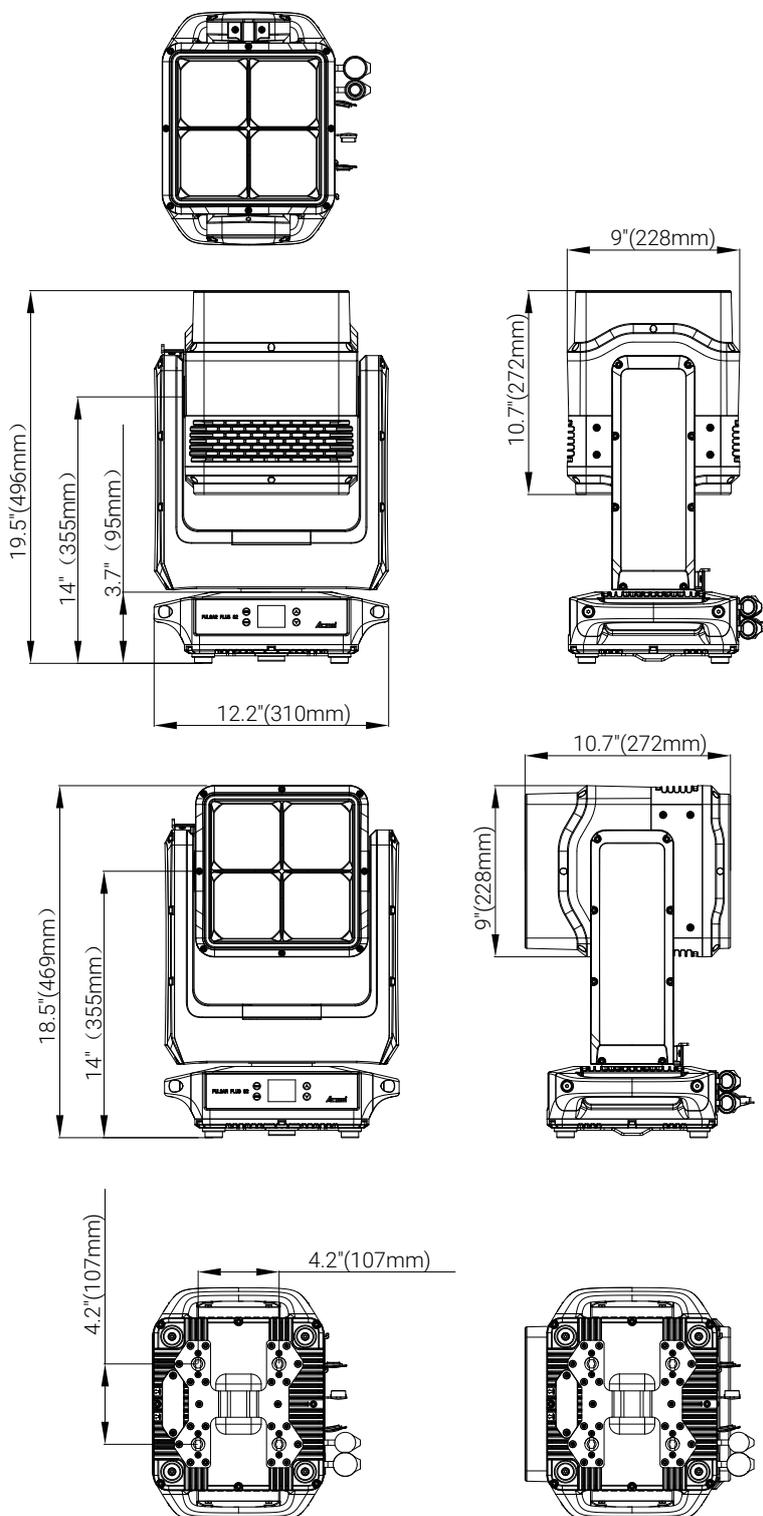
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DIMENSIONS



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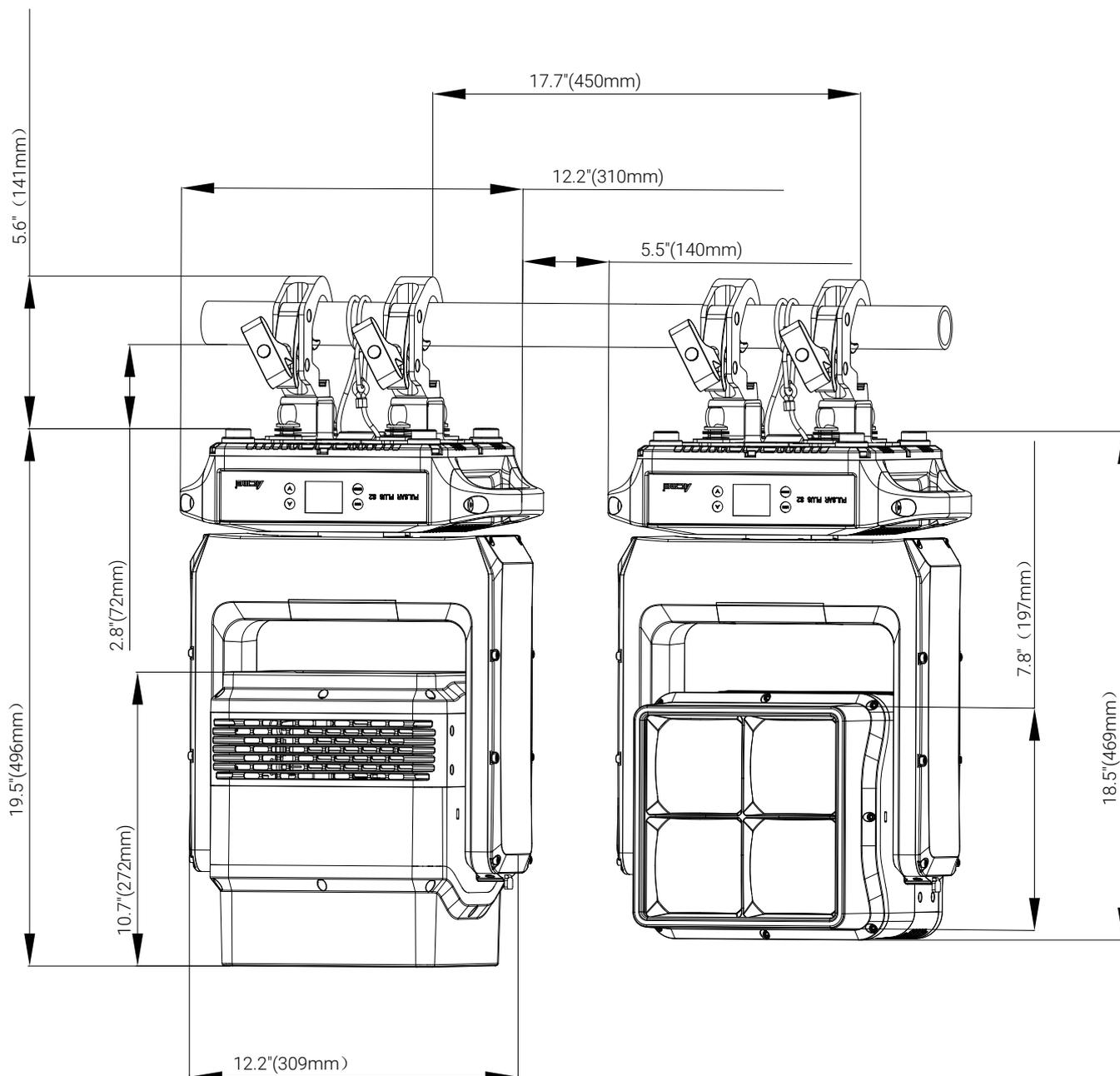
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HANGING DIMENSIONS



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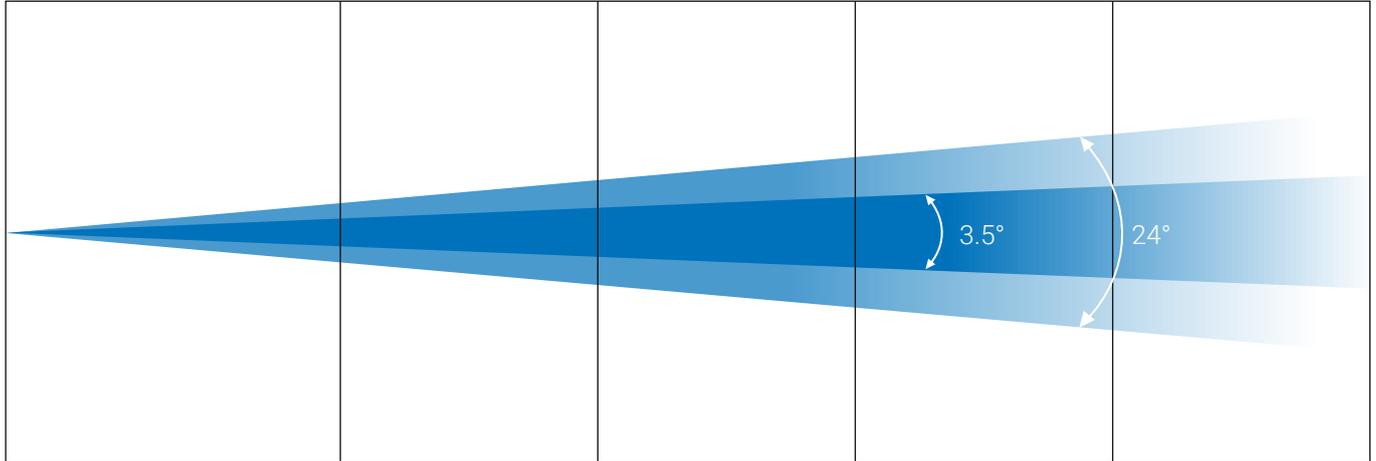
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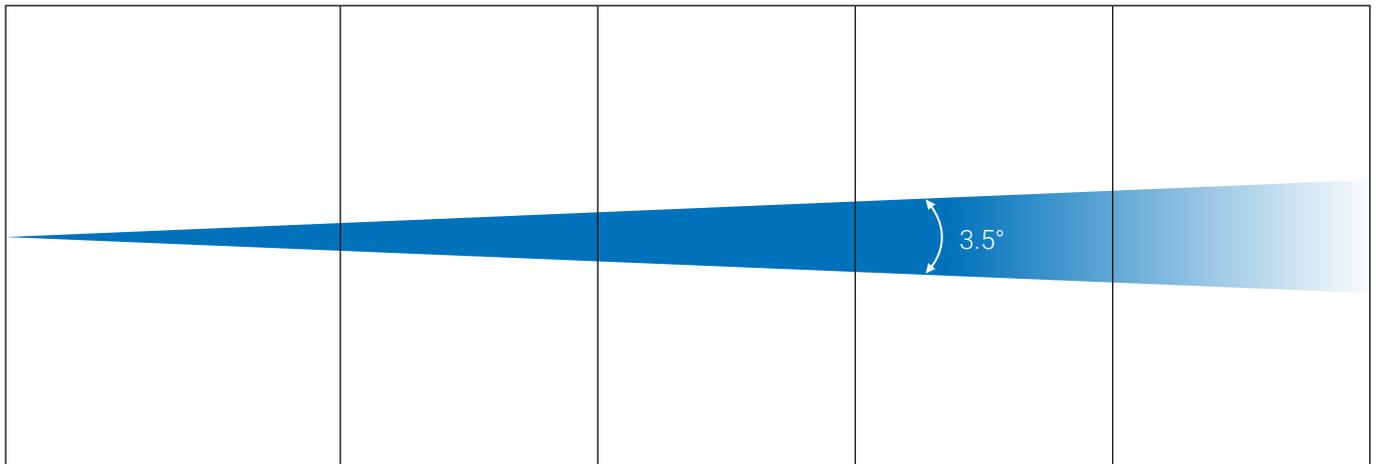
PHOTOMETRIC

Distance m (ft) 5 (16.4) 10 (32.8) 15 (49.2) 20 (65.6) 25 (82)



3.5° RGBL Lux	80,800	20,200	8,978	5,050	3,232
Diameter m (ft)	0.6(2)	1.2(3.9)	1.8 (5.9)	2.4 (7.8)	3(9.8)
24°RGBL Lux	3,768	942	419	236	151
Diameter m (ft)	2.6(8.5)	5.2 (16.9)	7.8 (25.4)	10.5 (34.1)	13.1 (42.6)

Distance m (ft) 5 (16.4) 10 (32.8) 15 (49.2) 20 (65.6) 25(82)



3.5° 10W CW Lux	31,720	7,930	3,524	1,982	1,268
Diameter m (ft)	0.6(2)	1.1(3.6)	1.7 (5.5)	2.2 (7.2)	2.8(9.1)

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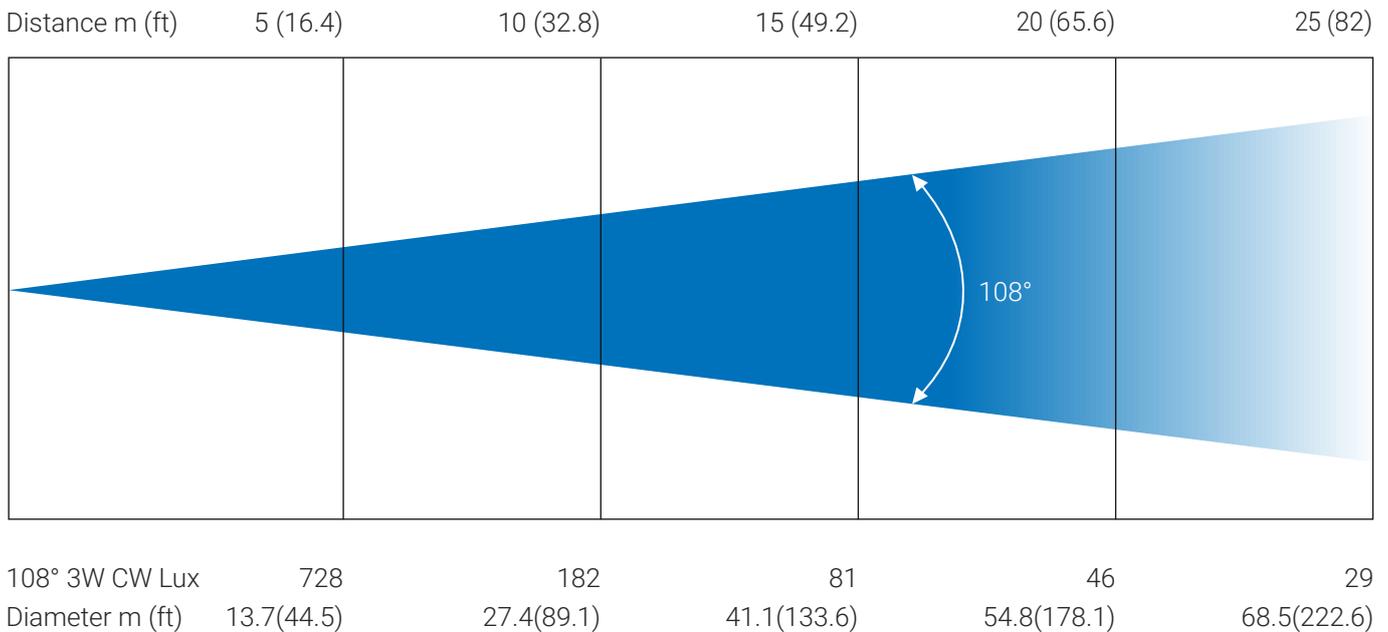
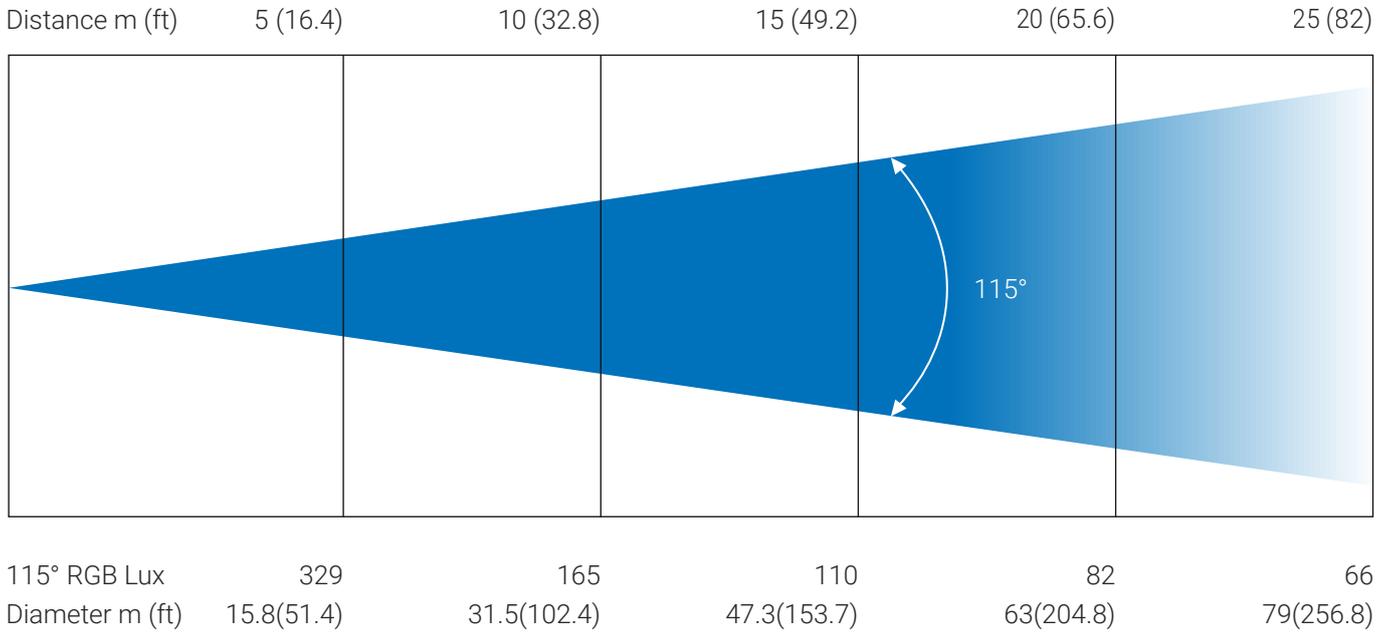


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