

Cobra
RGBW combined Source



Date: _____ Quantity: _____
Company: _____
Project: _____

Cobra is curve glazer designed to illuminate the conical walls and curved facades creating an accentuating light effect with its precise optical design and adjustable modules. The smaller pitch design, side bend capabilities and the two mounting profiles ensure Cobra suitable for various curved surfaces.

FEATURES

- Side-bend capabilities for curved surfaces
- Uniform 1-ft pixel pitch across all fixture lengths
- Multiple optics for versatile lighting
- Slim body for sleek installations
- Durable polycarbonate housing

PERFORMANCE AND COMPLIANCE



QUICK SPEC

Color Option*	RGB, Adjustable White with Quad Chip at 3000K, 3700K, 6000K
Length	310mm [12.2"], 610mm [24.16"], 1210mm [47.64"] (7 diodes per ft)
Optics	15°, 30°, 20°x50°
Power Consumption	11.25W/ft
Voltage	24VDC
Dimming	DMX

Note:* The variation in CCT of up to -10% from the nominal value is to be expected, as it is influenced by the chosen beam angle, quad chip configuration and the optical characteristics of the PU material.

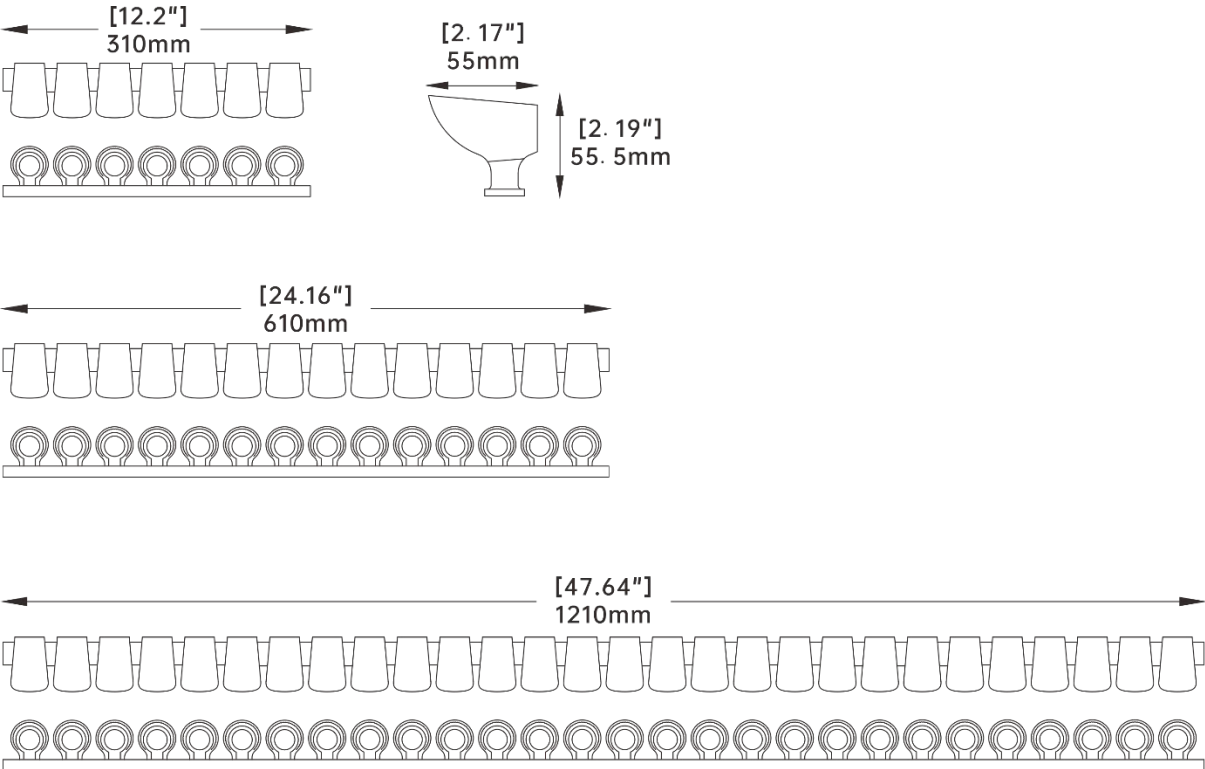
PERFORMANCE

Lumen Maintenance	L70 50,000hrs @25°C
Lumen Efficiency	500lm per foot @RGBW with W=4000K, 15°

Note: The provided data for color temperature, beam angles, lumen output, and power are typical values. Variations up to 10% may occur due to the fixture’s encapsulation, production tolerances, and component differences. For the most accurate and updated information, please consult the factory for the latest IES file

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DIMENSIONS



PHYSICAL

Housing Material	Polycarbonate
Connecting Body	Thermoplastic polyurethane (TPU)
Lens Material and Cover	Optical grade PMMA
Surface Color	Black

ENVIRONMENT

Storage Temperature	-30°C to 60°C
Operating Temperature	-20°C to 50°C
Ingress Protection Rating	IP66

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MAXIMUM DAISY CHAIN LIMITS

The maximum run lenght of 4-ft in a daisy chain:

Power/ Module	Input Voltage	Max. run length includes power feed to the end of the fixtures in the daisy chain	Max. no. of 4-ft fixtures	Max. power allowable in a daisy chain
11.25W	24V	15 Meters	2 nos.	108W

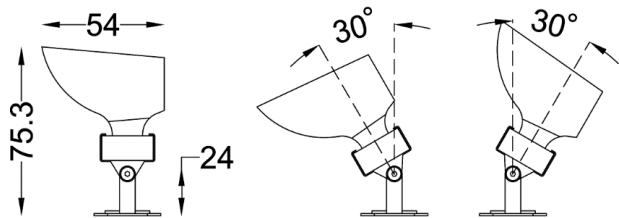
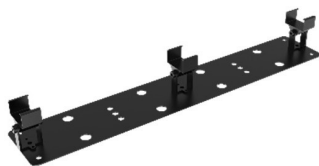
Note: The actual maximum daisy chain limit may vary based on the gauge of the leading cable and the specific installation conditions. The values provided are recommended guidelines and should be considered as such. Please ensure that all installations comply with local electrical codes and safety standards.

CABLE CORE COLOR CODING

Cable	Function	Core(US)	Wire Size
Power and Data Combined Lead in and Interlink Cable	DC+	Red	1.0mm ²
	DC-	Black	1.0mm ²
	DMX+	Yellow	0.5mm ²
	DMX-	Blue	0.5mm ²
	DMX GND	Green	0.5mm ²

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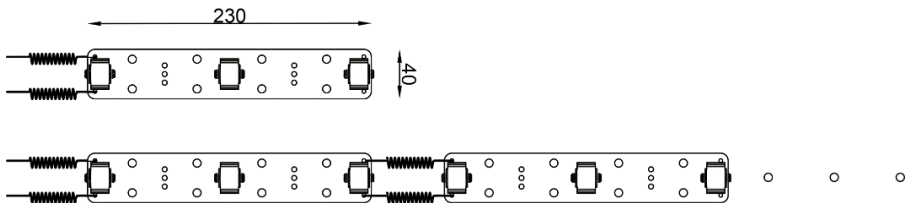
MOUNTING ACCESSORIES – TREE MOUNT (Order Separately)



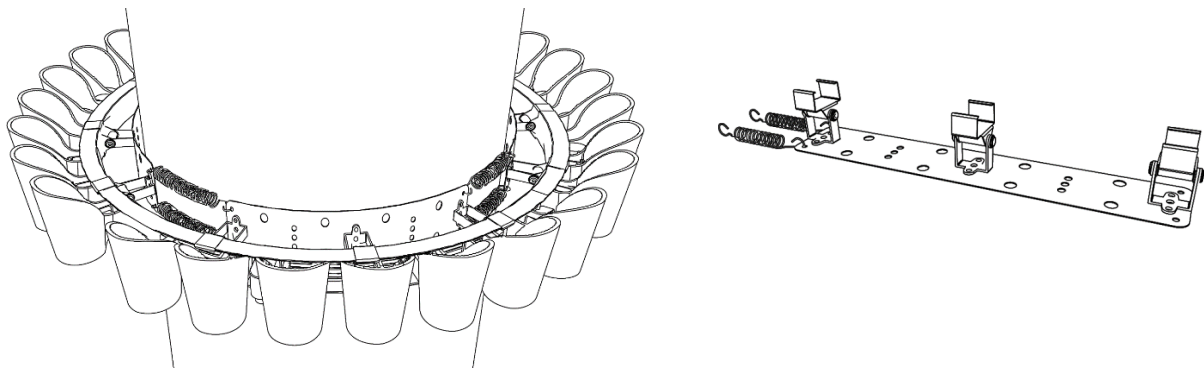
Item: LS-TM-COBRA Description: Flexible metal mounting adjustable clip for Cobra Flex Washer

Mounting Bracket Configuration	
Length	Quantity of Brackets Required
300mm	1
600mm	2
1200mm	4

Top View:



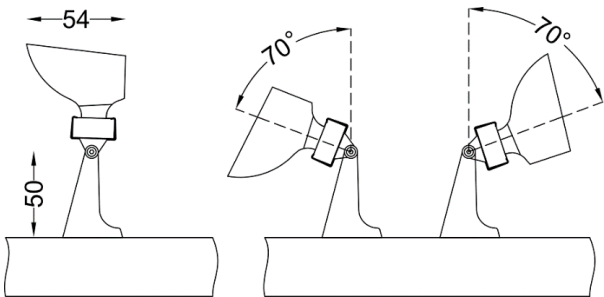
3D Views:



**Please refer to the installation manual for more details*

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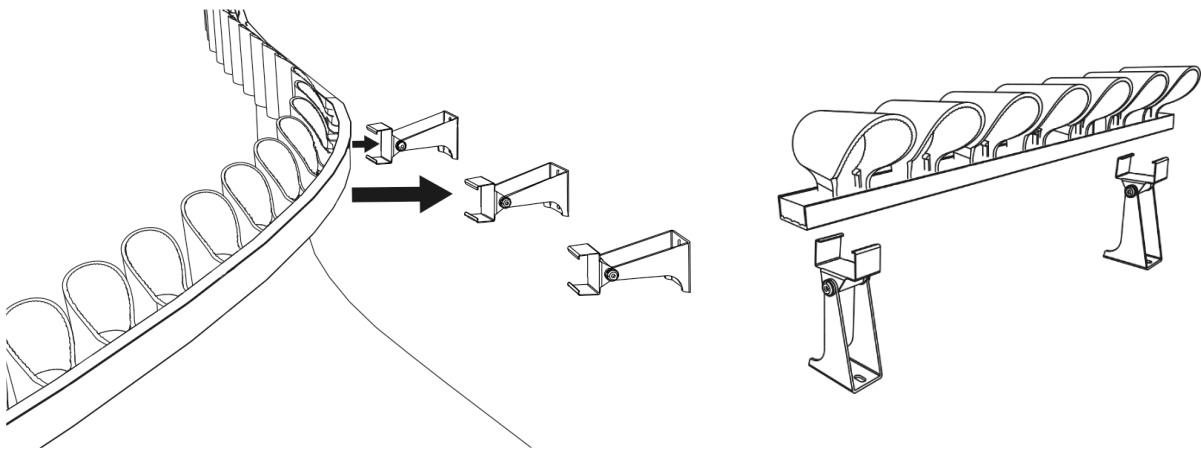
MOUNTING ACCESSORIES – WALL MOUNT (Order Separately)



Item: LLL-WM-COBRA **Description:** Adjustable holder for Cobra Flex Washer

Mounting Bracket Configuration	
Length	Quantity of Brackets Required
300mm	2
600mm	3
1200mm	4

3D Views:



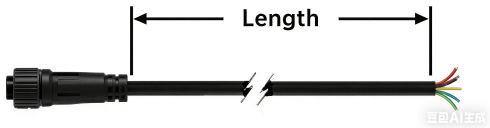
Specifications are subject to change due to updates and innovations. Check our website for the latest technical data. The information serves as an estimate and may differ by power supply and installation. All rights reserved.

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CABLING & CONNECTIVITY (Order Separately)

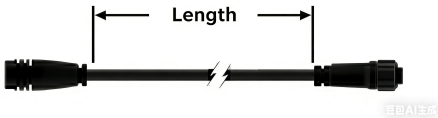
Leading Cable

Function: Power and Data Combined Lead-in
ITEM: ECDCF(M12)–LENGTH–5pin



Interlink Cable

Function: Power and Data Combined Lead-in
ITEM: ECDCL(M12)–LENGTH–5pin



LENGTH: 300–300mm[0.98’], 1800–1800mm[5.91’], 6000–6000mm[19.66’]

TERMINATION (Order Separately)

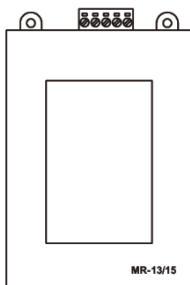
DMX Terminator

Function: DMX Terminator
ITEM: DMX(M12)-Term-DC-5pin-M

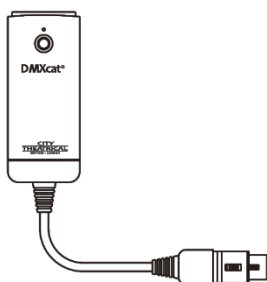


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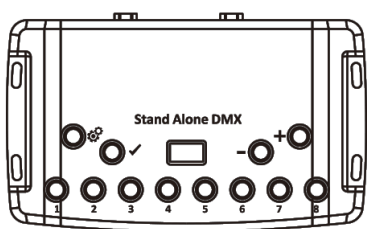
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DMX and RDM Control Accessories (Order Separately)

Item: MR-WT25
Brand: MR Technology
Function: DMX Address Writer and Tester
Description: A portable, handheld device supporting DMX512 and RDM protocols, allowing for DMX channel programming, testing, and control with a USB Type-C power supply.



Item: DMXcat™
Brand: City Theatrical
Function: RDM Address Writer and Tester
Description: A compact, battery-powered tool for DMX and RDM control via Bluetooth, supporting DMX testing, RDM monitoring, and DIP switch configuration through a smartphone app.



Item: LPSA 512
Brand: Chromateq
Function: DMX Controller
Description: The Chromateq LPSA512 is a compact DMX interface with 512 channels, offering scene storage and playback without a computer. It supports real-time clock and IR control, ideal for smaller setups.

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PARTCODE BUILDER

EXAMPLE CODE: Cobra-**RGBW**.**12**.**30**.**15**.**DMX**-**PB**-**US**

Series	Length	CCT	Optic	Control	Finish	Area
Cobra-RGBW Cobra RGBW	03 310mm	30 2700K	15 15°	DMX DMX	PB Black	EU EUROPE
	06 610mm	37 3700K	30 30°			US USA
	12 1210mm	60 6000K	2050 20°x 50°			

- Remarks:**
- Customized optic available
 - Uniform 1-ft pixel pitch across all fixture lengths

Luminoscape regularly enhances its optics for ongoing product improvement. Luminoscape reserves the right to modify the optics without prior notice. For repeated or project orders requiring the same optic and control; kindly include the relevant Luminoscape invoice number (LS-INVxxxxx) in the purchase order.

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Statement of Limited Warranty**Disclaimer of Warranty:**

Luminoscape products are tested and manufactured to meet the highest quality standards. We offer a limited warranty that covers defects in materials and workmanship for a period of 5 years from the date of purchase for standard products, and 3 years for inground and customized products. For customized products, please consult your sales representative for confirmation of warranty terms. The determination of whether a product is defective will be made by Luminoscape. Should any product be deemed defective in materials or workmanship, Luminoscape will, at its discretion, repair or replace the product at no charge. Luminoscape reserves the right to use similar, new, repaired, or remanufactured products or parts as part of this limited warranty process.

This warranty is expressly limited to the repair or replacement of the product. In no case shall the total remedy exceed the purchase price of the defective product. Luminoscape shall not be liable for any incidental or consequential damages arising from or related to the use of the products.

Warranty Period:

Luminoscape provides a standard warranty of 5 years for our products. For inground and customized orders, the warranty period is 3 years. In exceptional cases, further details regarding the warranty period may be discussed with your sales representative.

Warranty Protection:

This limited warranty does not apply where

- Products that have been improperly modified, adjusted, repaired or any alterations.
- Products that are damaged due to improper installation or connection not in accordance with the product wiring diagram.
- Products that have been improperly modified, adjusted, repaired or any alterations.
- Damage from any "Acts of God" includes floods, lightning, landslides, earthquakes, tornadoes, hurricanes and wildfires.
- Damage results from electrical power surges and spikes.
- Products used in an inappropriate environmental conditions (temperature, humidity, moisture, etc.) outside the normal specified range.
- Electrical power surges and spikes.
- Products are damaged due to chemical exposure or corrosion.
- Products have exceeded their operational lifespan as specified in the product documentation.
- Please consult your sales representative for any specific warranty questions or concerns.

Remark: No distributor or supplier of Luminoscape has the authority to modify or amend this Limited Warranty. This warranty may not be transferred or assigned by the original end user.