

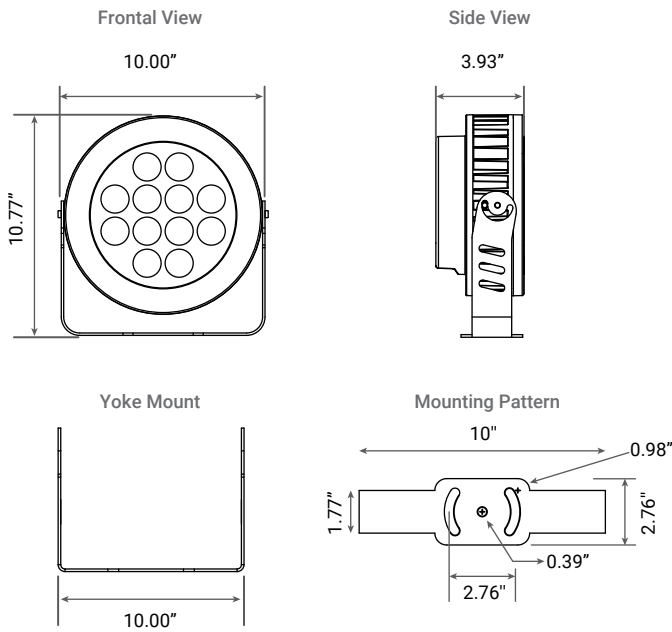


RGB + WHITE (4000K)



120° ADJUSTABILITY

DIMENSIONS



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
5000L	4896L	72W

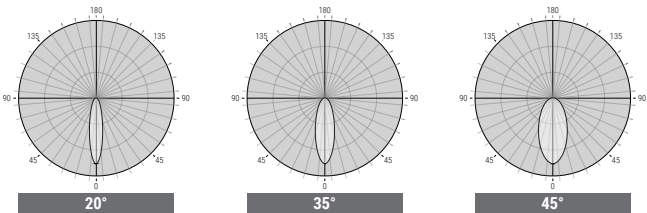
Wattage is based on 120VAC, all channels on. Actual wattage may vary +/- 5%

FEATURES

O-FLA-102-RGBW is a specification-grade RGBW architectural floodlight designed for precision, performance, and creative flexibility. Its quad-chip RGBW source delivers vibrant color and a clean, neutral 4000K tunable white, paired with selectable beam angles (20°, 35°, 45°) for tailored optical control. Full DMX/RDM compatibility enables integration into dynamic lighting systems, while its IP66-rated aluminum housing ensures reliable performance in demanding outdoor environments.

Developed for professionals who seek to sculpt space with color and light, it delivers refined control, striking visual impact, and long-term durability for architectural, civic, and commercial applications.

LUMENS	UP TO 5000L
COLORS & CCT	RGB + White (4000K)
CONTROL	DMX/RDM
CRI	85+ Standard, 2SDCM Color Quality
VOLTAGE	120-277VAC 50/60Hz
MOUNTING	Rotational Yoke Mount - 120°
OPTICS	20°, 35°, 45°
FINISH	White (WH), Bronze (BZ), Black (BK), Silver (SI)
WORKING TEMPERATURE	-20°C (-4°F) to 50°C (122°F)
SURGE PROTECTION	2.5kV
RATED	IP66
LIFETIME	L70 ≥ 50,000 hours
EPA RATING	0.9ft²



OPTICS

Constructed with optical-grade PMMA optic and silk screen tempered glass len, the fixture ensures superior light transmission, clarity, and durability. This high-quality material maintains optical performance over time, offering excellent resistance to UV radiation and yellowing.

Luminaire available in 5000L at 40K.

Optical Distribution Options:

Engineered for precision lighting effects, this luminaire is available with a range of high-performance optics to suit a variety of architectural applications: 20°, 35°, 45°.

CONSTRUCTION

Constructed from 6063 high-density extruded aluminum alloy, this fixture offers superior strength, corrosion resistance, and thermal conductivity—ideal for both indoor and outdoor wall grazing or wall washing applications. The use of 6063 aluminum ensures excellent heat dissipation and structural integrity, contributing to long-term durability and consistent performance in demanding environments. Available in white, bronze, black, and silver finishes.

MOUNTING

YM (Yoke Mount)

Available option. Offers flexible adjustment of the fixture's orientation, allowing customized light direction for a wide range of mounting applications.

OPTIONS & ACCESSORIES

Options include leading cables for primary power input, interlink cables for connecting multiple units, junctions for branching configurations, and termination caps to seal unused ports. These components are available separately to provide flexibility for various site conditions.

Accessory options are available for DMX/RDM control. Separately Sold:

- DMX Address Writer and Tester
- RDM Address Writer and Tester
- DMX Controller

DIMMING & DRIVER INFORMATION

Powered by high-quality constant current LED drivers, rated for 50–60Hz operation with input voltages of 120–277V.

DMX/RDM - Full-range control via DMX512 with bi-directional RDM communication.

WARRANTY

5-year warranty for parts and components (labor not included).

LISTINGS

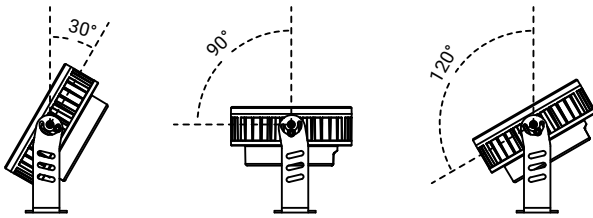
ETL certified.

IP66 Rated.

Suitable for Wet Location.

RoHs compliant – Contains no mercury or lead.

ADJUSTABILITY



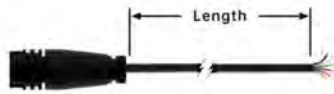
MAXIMUM DAISY CHAIN LIMITS

Power	72W
Main Voltage	120V
Max. Power	1080W
Max No. of Fixtures	13 Fixtures
Max. Cable Length (Leading + Interlink)	65.61'

Example: O-FLA-102-RGBW-5000L-DMX/RDM-MVOLT-85-20-BK

O-FLA-102-RGBW									
SERIES	LUMENS	DIMMING	VOLTAGE	CRI	DISTRIBUTION	MOUNTING	FINISH	ACCESSORIES	OPTIONS
O-FLA-102-RGBW	5000L	DMX/RDM	MVOLT 120-277V	85+ 90+	20° 35° 45°	Yoke Mount (STANDARD, LEAVE BLANK)	BZ - Bronze BK - Black WH - White SI - Silver	MR-WT25 (DMX Address Writer and Tester) DMXCAT (RDM Address Writer and Tester) LPSA-512 (DMX Controller)	ECACF--(LENGTH)--6PIN 6-pin Power and Data Combined Lead-in (DMX/RDM) ECACL--(LENGTH)--6PIN 6-pin Power Lead-in (DMX/RDM) AC-LEADIN-336 6-pin Power and Signal Combined T-joint (DMX/RDM) DMX-ENDCAP-AC-6PIN End Cap (DMX/RDM)

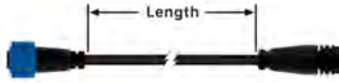
LEAD-IN CABLE (INCLUDED)



6-pin Power and Data Combined Lead-in

Dimming: DMX/RDM
Length: 0.98', 6.56', 19.66', 49.21'
Part Number: ECACF-(LENGTH)-6PIN
• PLEASE SPECIFY THE LENGTH

INTERLINK CABLE (INCLUDED)



6-pin Power Lead-in

Dimming: DMX/RDM
Length: 0.98', 6.56', 19.66'
Part Number: ECACL-(LENGTH)-6PIN
• PLEASE SPECIFY THE LENGTH

JUNCTIONS & TERMINATION (INCLUDED)



6-pin Power and Signal Combined T-joint

Dimming: DMX/RDM
Part Number: AC-LEADIN-336



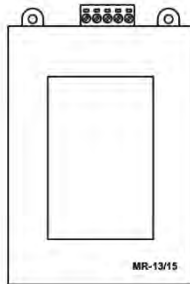
6-pin DMX End Cap

Dimming: DMX/RDM
Part Number: DMX-ENDCAP-AC-6PIN

CABLE CORE COLOR CODING

CABLE	FUNCTION	CORE	WIRE SIZE
Power Lead In/ Power Extension Cable	L (live)	Black	16AWG
	N (Neutral)	White	16AWG
	GND (Earth)	Green	16AWG
Data Lead In	DMX+	Purple	20AWG
	DMX-	Pink	20AWG
	DMX GND	Yellow	20AWG
Power and Data Power Combine	L (live)	Black	16AWG
	N (Neutral)	White	16AWG
	GND (Earth)	Green	16AWG
	DMX+	Purple	22AWG
	DMX-	Pink	22AWG
	DMX GND	Yellow	22AWG

DMX AND RDM CONTROL ACCESSORIES (SOLD SEPARATELY)



DMX Address Writer and Tester

Description: A compact handheld device supporting DMX512 and RDM protocols, enabling DMX channel programming, testing, and control via USB Type-C power.

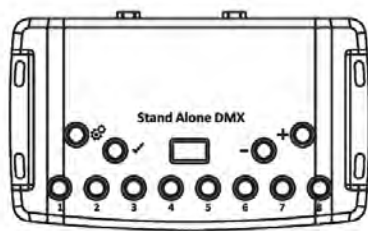
Brand: MR Technology
Part Number: MR-WT25



RDM Address Writer and Tester

Description: A compact, battery-powered device for DMX and RDM control via Bluetooth, enabling DMX testing, RDM monitoring, and DIP switch configuration through a dedicated smartphone app.

Brand: City Theatrical
Part Number: DMXCAT



DMX Controller

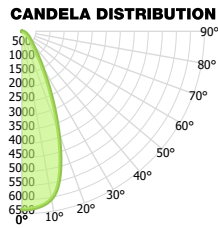
Description: The Chromateq LPSA512 is a compact 512-channel DMX interface that offers onboard scene storage and playback without the need for a computer. With support for a real-time clock and IR control, it's an ideal solution for small to mid-sized installations.

Brand: Chromateq
Part Number: LPSA-512

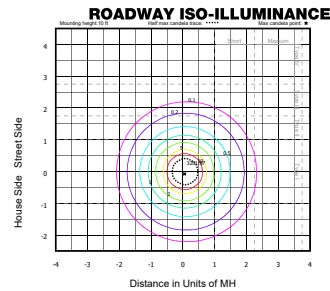
O-FLA-102-RGBW-5000L-DMX-RDM-MVOLT-85-45-BK

TEST NO.: **EL07282568**

INPUT WATTS: **72.0** LUMENS: **4474** EFFICACY: **62** FIELD SPREAD: **80H By 80V**

BEAM ANGLE: **45**

	0°	90°
0°	6340	6340
10°	6057	5572
20°	3799	2764
30°	1432	971
40°	590	473
50°	328	288
60°	195	168
70°	97	74
80°	19	8
90°	0	0

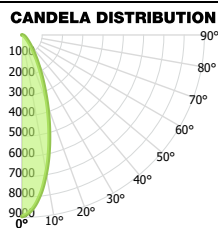


ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	1991	45%
0° - 30°	3107	69%
0° - 40°	3681	82%
0° - 60°	4258	95%
0° - 80°	4467	100%
0° - 90°	4474	100%

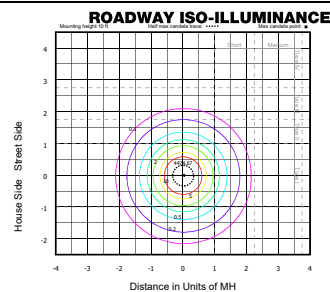
O-FLA-102-RGBW-5000L-DMX-RDM-MVOLT-85-35-BK

TEST NO.: **EL07282568**

INPUT WATTS: **72.0** LUMENS: **4896** EFFICACY: **68** FIELD SPREAD: **74H By 74V**

BEAM ANGLE: **35**

	0°	90°
0°	8945	8945
10°	6892	7100
20°	3643	3831
30°	1534	1612
40°	639	672
50°	297	310
60°	165	171
70°	80	85
80°	15	18
90°	0	0

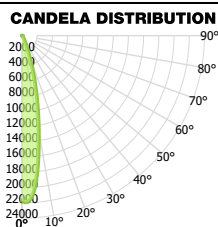


ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	2276	46%
0° - 30°	3464	71%
0° - 40°	4138	85%
0° - 60°	4709	96%
0° - 80°	4891	100%
0° - 90°	4896	100%

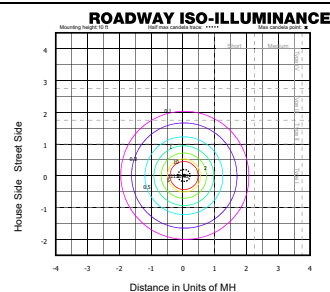
O-FLA-102-RGBW-5000L-DMX-RDM-MVOLT-85-20-BK

TEST NO.: **EL07282568**

INPUT WATTS: **71.0** LUMENS: **4647** EFFICACY: **65** FIELD SPREAD: **42H By 42V**

BEAM ANGLE: **20**

	0°	90°
0°	21663	21663
10°	12718	10240
20°	2933	1943
30°	577	463
40°	299	274
50°	204	190
60°	140	126
70°	74	61
80°	17	8
90°	0	0



ZONAL LUMEN SUMMARY		
ZONE	UMENS	% LUMINAIRE
0° - 20°	3348	72%
0° - 30°	3912	84%
0° - 40°	4155	89%
0° - 60°	4496	97%
0° - 80°	4643	100%
0° - 90°	4647	100%