RGB + WHITE (4000K)

120° ADJUSTABILITY

FEATURES

O-FLA-101-RGBW is a specification-grade compact 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 (25°, 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.

DIMENSIONS

Frontal View
8.34"

9.94"

Side View
3.93"

Yoke Mount
8.34"

Mounting Pattern
8.35"
1.77"
0.98"
2.76"
0.39"
2.76"

LUMENS	UP TO 2500L
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	25°, 35°, 45°
FINISH	White (WH), Bronze (BZ), Black (BK), Silver (SI)
WORKING TEMPERATURE	-20ºC (-4ºF) to 50ºC (122ºF)
SURGE PROTECTION	2.5kV
RATED	IP66
LIFETIME	L70 ≥ 50,000 hours
EPA RATING	0.57ft²

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
2500L	2539L	36W

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

25°   35°   45°

ETL Intertek · IP66 · FOR WET LOCATION · IK06 · 5-YEAR LIMITED WARRANTY

elite   w w w . i u s e e l i t e . c o m   Due to the constant improvement in LED technology, all details are subject to change without notice. Consult factory for up-to-date information.

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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 2500L 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: 25°, 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.
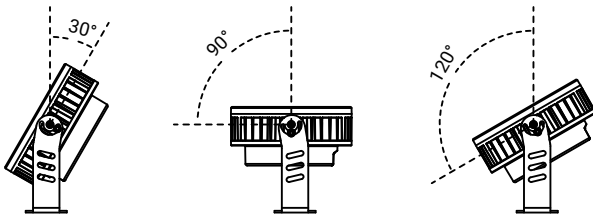
WARRANTY

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	36W
Main Voltage	120V
Max. Power	1080W
Max No. of Fixtures	30 Fixtures
Max. Cable Length (Leading + Interlink)	65.61'

Example: O-FLA-101-RGBW-2500L-DMX/RDM-MVOLT-85-25-BK

SERIES	LUMENS	DIMMING	VOLTAGE	CRI	DISTRIBUTION	MOUNTING	FINISH	ACCESSORIES	OPTIONS
O-FLA-101-RGBW	2500L	DMX/RDM	MVOLT 120-277V	85+ 90+	25° 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)
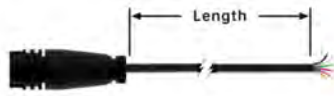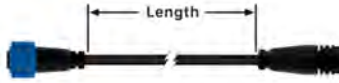
6-pin Power and Data Combined Lead-in
Dimming: DMX/RDM
Length: 0.98', 6.56', 19.66', 49.21'
Part Number: ECACF−(LENGTH)−6PIN
• PLEASE SPECIFY THE LENGTH

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)
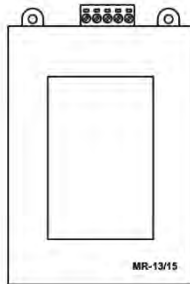
DMX Address Writer and Tester

Description: A compact handheld device supporting DMX512 and RDM protocols, enabling DMX channel programming, testing, and control via USB Type-C power.
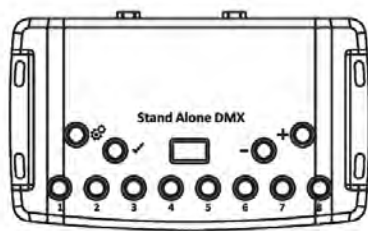
Brand: MR Technology
Part Number: MR-WT25

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 Theatrial
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
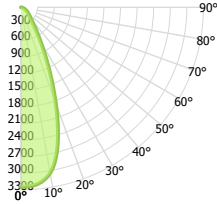**Part Number:** LPSA-512

O-FLA-101-RGBW-2500L-DMX-RDM-MVOLT-85-45-BK

TEST NO.: **EL07282568**

INPUT WATTS: **35.9**   LUMENS: **2297**   EFFICACY: **64**   FIELD SPREAD: **80H By 80V**   BEAM ANGLE: **45**
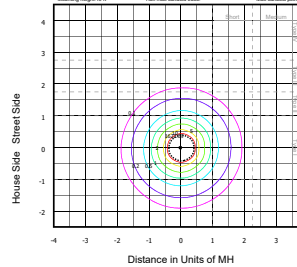
CANDELA DISTRIBUTION

CANDELA TABLE

	0°	90°
0°	3247	3247
10°	3042	2988
20°	1839	1743
30°	705	665
40°	302	303
50°	175	181
60°	108	110
70°	54	53
80°	13	10
90°	0	0

ROADWAY ISO-ILLUMINANCE

ZONAL LUMEN SUMMARY

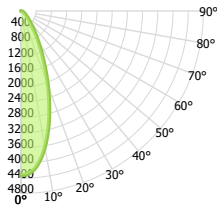| ZONE	UMENS	% LUMINAIRE
0° - 20°	1005	44%
0° - 30°	1563	68%
0° - 40°	1860	81%
0° - 60°	2173	95%
0° - 80°	2293	100%
0° - 90°	2297	100%

O-FLA-101-RGBW-2500L-DMX-RDM-MVOLT-85-35-BK

TEST NO.: **EL07282568**

INPUT WATTS: **36.0**   LUMENS: **2539**   EFFICACY: **71**   FIELD SPREAD: **76H By 76V**   BEAM ANGLE: **35**
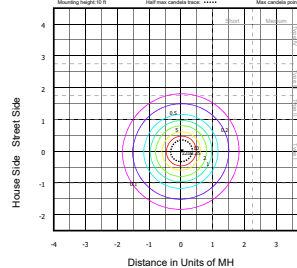
CANDELA DISTRIBUTION

CANDELA TABLE

	0°	90°
0°	4322	4322
10°	3631	3415
20°	2073	1941
30°	890	859
40°	374	368
50°	170	178
60°	93	101
70°	47	53
80°	11	13
90°	0	0

ROADWAY ISO-ILLUMINANCE

ZONAL LUMEN SUMMARY

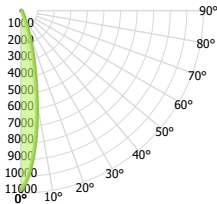| ZONE	UMENS	% LUMINAIRE
0° - 20°	1134	45%
0° - 30°	1758	69%
0° - 40°	2120	83%
0° - 60°	2432	96%
0° - 80°	2536	100%
0° - 90°	2539	100%

O-FLA-101-RGBW-2500L-DMX-RDM-MVOLT-85-25-BK

TEST NO.: **EL07282568**

INPUT WATTS: **36.6**   LUMENS: **2528**   EFFICACY: **69**   FIELD SPREAD: **45H By 45V**   BEAM ANGLE: **25**
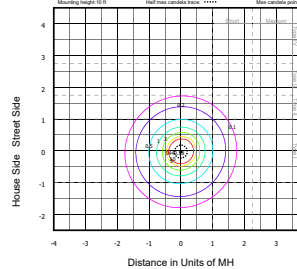
CANDELA DISTRIBUTION

CANDELA TABLE

	0°	90°
0°	10796	10796
10°	5521	6476
20°	1328	1498
30°	312	317
40°	167	179
50°	116	123
60°	79	85
70°	41	43
80°	9	9
90°	0	0

ROADWAY ISO-ILLUMINANCE

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1747	69%
0° - 30°	2083	82%
0° - 40°	2229	88%
0° - 60°	2434	96%
0° - 80°	2525	100%
0° - 90°	2528	100%