LNWW | RGBW Smart Rail

OVERVIEW

Applications: Outdoor (IP65)

Efficacy: 18 lm/W

Dimming: DMX512

Driver: CATIYA YSD-24300-DTL

Operating Temp: -40° to 122° F

Lifespan: 30,000 hours

Warranty: 3 years

TECHNICAL SPECIFICATIONS

Watts	3W	7.5W	12W
Lumens	± 54	± 135	± 216

Size	See Diagrams	**CCT**	RGB + 3000K + 4000K + 6000K
Voltage	DC24V	**IP Rating**	IP65 (Water Resistant)
Dimming	DMX512	**Materials**	Aluminum, PMMA
Beam Angle	120°	**Finish**	White
CRI	≥85	**Lens**	Frosted
PF	›0.9	**Lifespan**	30,000 hours

FEATURES

Mounting: These lights come with a surface mount bracket, and optional clips are available.

Optional Accessories:

- DMX512
- DMX512 Signal Amplifier - 28"
- T Connector Cables - 9" x 6"
- 300W Driver
- Mounting Clips

SARIN's LED RGBW Smart Rails are commonly used in place of neon flex and rope light. These area lights are safe for outdoor use and protected from rain, snow, and weak jets of water, such as sprinklers.

Smart Rails are programmable in sections which allows for a wide variety of light patterns, modes and colors. It has a low profile and bars connect end-to-end to minimize seams. The light body has excellent heat dissipation with 6063 aluminum to fully ensure stability and long lifespan. The diffuser is made from durable and UV-resistant PMMA.

ORDER FORM

Custom housing colors available upon request.

Custom Model Assembly

Fixture	CCT (K)	Watts (W)	Beam Angle	Voltage	Mounting	Accessories
☐ LNWW	☐ RGBW	☐ 3	☐ 120°	☐ 24V	**A** Surface Mount	**C** T Cable
		☐ 7.5			**B** Clips	**D** 300W Driver
		☐ 12				**E** DMX512
						F DMX512 Amplifier

SES-LNWW-RGBW-3-A-C-D-E _____   SES-LNWW-_____ _____

EXAMPLE MODEL NUMBER   QUANTITY   MODEL NUMBER   QUANTITY

ACCESSORIES

Surface Mount

Mount Clip

9"   6"

T Cable

300W 24V Driver

DMX512

Signal Amplifier
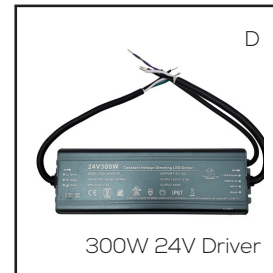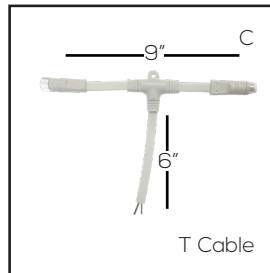
COMMON STOCK MODELS

| Item Code	Model Number	Item Code	Model Number
11230	SES-LNWW-RGBW-3	41230-B	SES-LNWW-CABLE
11231	SES-LNWW-RGBW-7.5	41230-C	SES-LNWW-DMX-AMP
11232	SES-LNWW-RGBW-12	40929-A	SES-DMX-CONTROLLER
41230-A	YSD-24300-DTL		

INSTRUCTIONS

Installation:

Methods: This fixture can be set up on a flat surface or hanged on the wall or under a ceiling. If you want to hang it, please be sure that you will fix the screw to the wall or ceiling very carefully to avoid any problem.

a) Flat surface installation

b) Hanging installation
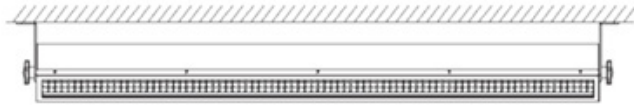
DMX512 Fixture Note:

1. This fixture uses UCS512C4 DMX chips, please use a suitable DMX address setting machine which can support UCS512C4 chips to write address. Please follow the wiring diagram to connect DMX fixtures, so that their PI/PO works.

2. Connect conjoining fixtures together by connecting the male and female cord ends to each other, then turning clockwise until the connection is secured. To increase the distance between fixtures

3. Ensure the last fixture in the series has a termination end cap attached to the tail wire (female end).

Surface   **Clips**

1   2   3
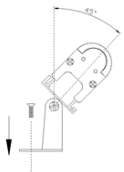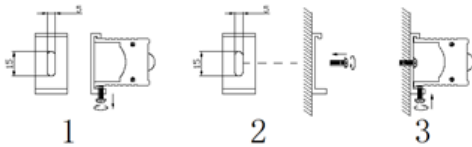
Wiring diagram
Red --- DC24V+
Yellow --- A
Blue ---- B
Green--- PI/PO
Black --- GND

DIMENSIONS

12"   0.6"   1.2"

3W

24"   0.6"   1.2"

7.5W

39"   0.6"   1.2"

12W

ISOLUX DIAGRAM

Polar Candela Distribution
180° 170° 160° 150° 140°

70
58
47
35
23
12
CD: 0
12
23
35
47
58
70

130°
120°
110°
100°
90°
80°
70°
60°
50°
40°

VA: 0°   10° 20° 30°   40°

- Max Cd: 135° H
- 0° H
- 90° H
- 45° H
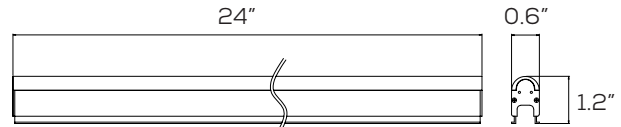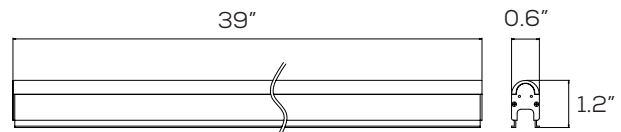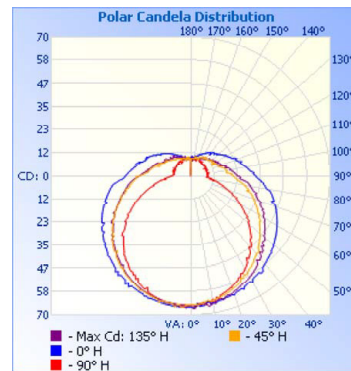
Illuminance at a Distance
	Center Beam fc	Beam Width	
17.0ft	0.23 fc	777.6 ft	56.5 ft
34.0ft	0.06 fc	1,555.2 ft	113.0 ft
51.0ft	0.03 fc	2,332.8 ft	169.5 ft
68.0ft	0.01 fc	3,110.4 ft	226.0 ft
85.0ft	0.01 fc	3,888.1 ft	282.5 ft
102.0ft	0.01 fc	4,665.7 ft	339.0 ft

Vert. Spread: 175.0°
Horiz. Spread: 117.9°

12W

INSTRUCTIONS CONTINUED

CAUTION

1. Connector
2. without connector
3. Cut the wire

Shrink tube-1 D:20mm — Step 1 — The tape should seal the shrink tube-1 very well on each side

Waterproof tape (Auto-Adhesive) — Step 2 — The shrink tube-2 should cover tape totally for sunshine-protection

Shrink tube-2 D:25mm — Step 3

***Neglect on action of the above treatment will lead to filure of waterproof and proper work of the lights!!!
***Water can be sucked into the fixture via interior pipe of the cables after light be switched off,due to minus pressure!!!

CAUTION

DMX Signal Amplifier

GND(E) Blue
D+(Y)   Yellow   DMX
D-(G)   Green   IN
PI(O)   Red

LED CONTROLLER

OUT 1 OUT 2 OUT 3

DMX Signal Amplifier
DMX IN

		Category 5 network cable (CAT5) CONTROLLER OUT
D+(Y)	Yellow	A Green/White
D-(G)	Green	B Orange/white
GND(E)	Blue	GND Green

D+(Y)	Yellow	A Green/White
D-(G)	Green	B Orange/white
GND(E)	Blue	GND Green

D+(Y)	Yellow	A Green/White
D-(G)	Green	B Orange/white
GND(E)	Blue	GND Green

LINE

DMX Signal Amplifier