

APPLICATION

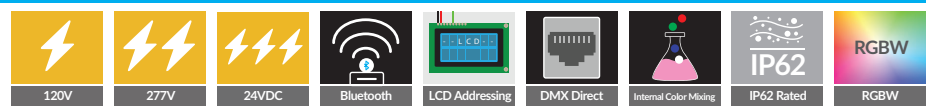
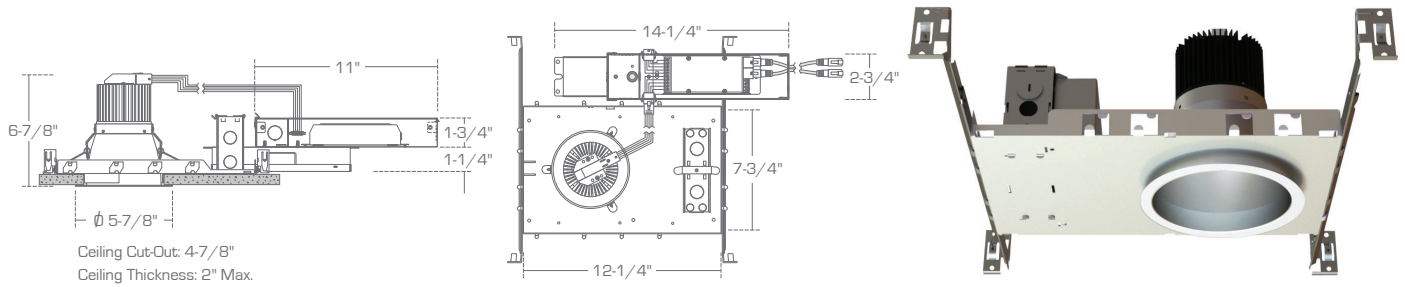
For the use of direct ambient and/or accent lighting. To install as recessed in ceilings. Perfect for applications desiring a dynamic color changing effect. Recommended for retail, modern residential, hospitality and entertainment installations. RGBW design allows fine-tuned pastel colors, saturated hues without sacrificing illumination brightness. DMX control option allows the use of DMX512 Control Systems to

individually control and change colors, set looks, and add lighting effects which can affect moods, feelings and atmosphere.

- For New Construction, Remodel and Retrofit Applications.
- 20W 600 Max. Lumen
- DMX control via LCD screen selection
- IP62 Rated
- Proprietary quick connectors included
- LED Die Colors: RGBW
- Static Colors Available

- Using InternaMix™ proprietary technology, colors are efficiently blended together through an internal mixing chamber. The one-color output reduces unsightly views of isolated rainbow-like striations.
- Smooth and flicker-free dimming of all colors down to 1% using patented color mixing and dimming technologies developed at Philips Color Kinetics®
- 5-Year Warranty

DIMENSIONS



ORDERING - Example: SR4WW/SH4-FRM/PWR

HOUSING FRAME	FINISH	MOUNTING	POWER & CONTROL METHOD
SR4	WW: White Reflector/White Ring SW: Satin Reflector/White Ring BB: Black Reflector/Black Ring	Blank: Remodel /SH4-FRM: Optional Mounting Frame	/PWR: Remote 36V PWM Dimming* /PPDMX10: 120V/277V DMX Dimming /PPDBT10: 120V/277V BlueTooth Dimming

*Remote Power Supply and Data Enabler Required.

ACCESSORIES

72" RJ45 Extension • SWR2RJ45-BK-72	SWR2RJ45-BK-72	DMX RJ45/Terminal Block Coupler • PCL003	PCL003
RJ45 DMX Terminator • PCL002	PCL002	RJ45 Coupler • PCL004	PCL004

2025.08.13

SPECIFICATIONS

OUTPUT

Beam Angle: 60°

Lumens: 600 Max. Lumen

LED Channels: Red/Green/Blue/White (4,000K)

LED Die Colors: Red (620-635nm), Green (520-535nm),

Blue (450-465nm) and Neutral White (4000K)

ELECTRICAL

Input Voltage: 120V, 277V, and 34V DC available

Power Consumption: 20W

CONTROL

Interface: DMX Control via LCD screen selection

Control System: DirectDMX Color Control. Color controlled with USITT DMX512A Standard Protocol to work with Coloronix or 3rd Party DMX Systems. DMX Data fed to housing via proprietary 3-wire data cable. Data Input/Output ports allow daisy-chaining of DMX Signal.

Dimming: Smooth and flicker-free dimming of all colors down to 1% using Patented Color Mixing and Dimming technologies developed at Philips Color Kinetics[®]

Color Mixing: Using InternaMix[™] proprietary technology, colors are efficiently blended together through an internal mixing chamber. The one-color output reduces unsightly views of isolated Red, Green and Blue Diodes for a seamless rainbow-free appearance.

Wireless Bluetooth Control: Bluetooth control via wireless data enabler. Call up standard colors or shows. One Bluetooth enabler per zone. Each fixture is individually controlled. Not recommended for large scale installations or where programming requires intensive dynamic color syncing across fixtures.

LUMEN MAINTENANCE

L70 Life: 35,000 Hours for ambient temperatures under 85°F.

PHYSICAL

Dimensions (Height x Width x Length): 6-7/8" x 7-3/4" x 12-1/4"

Housing Material: Made of heavy gauge cold-rolled steel to protect light emitting diodes, other electronics and preserve optical alignment. Integral junction box provides easy access for electrical maintenance, via remodeling clips. Steel Blades/Springs installed on trim for a tight gap-free installation onto housings. Recommended for ceiling thickness up to 0.75".

Lens: Polycarbonate

Connections: Standard wiring for power in, RJ45 for DMX In/Out

Mounting: Steel pressure springs mounted on trim to ensure positive retention.

Temperature Range: 0°F - 120°F Ambient

CERTIFICATION

Complies to UL1598 and ANSI/UL 8750.

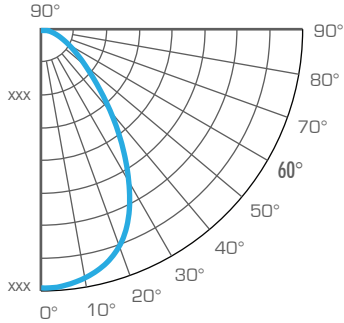
Damp Location Rated. IP62 Protection.

WARRANTY

5-Year Warranty

PHOTOMETRY

CANDELA TABULATION



FOOTCANDLE CALCULATION: SR4

Height	Beam Diameter	FC	Height	Beam Diameter	FC
6'	9'	10	8'	12'	6
8'	12'	6	12'	18.1'	3
10'	15.1'	4	16'	24.1'	1
12'	18.1'	3	20'	30.1'	1
14'	21.1'	2	24'	36.1'	1

SR4SW/PWR - ALL COLORS (21.7W, 360 nm)

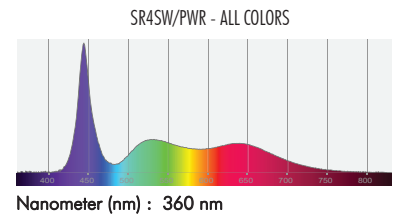
Power:	: 21.7 W
Test Date:	: 11/20/2020
Beam Angle 50%:	: 80.9°
Field Angle 10%:	: 120.7°
Nanometer:	: 360 nm
Lm Delivered:	: 586 lm
CBCP:	: 341 cd
Power Factor:	: 0.98 pf

FOOTCANDLE DISTRIBUTION

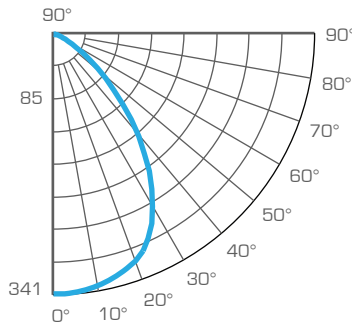
Height	Beam Diameter	FC *
6'	10.2 ft	9 fc
8'	13.6 ft	5 fc
10'	17 ft	3 fc
12'	20.4 ft	2 fc
14'	23.9 ft	2 fc

*at center of beam

SPECTRAL DISTRIBUTION CHART



CANDELA TABULATION



SR4SW/PWR - BLUE (8.4W, 448 nm)

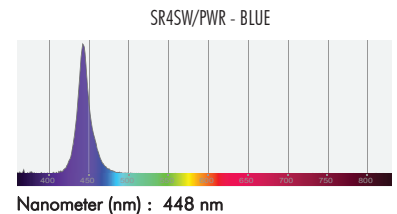
Power:	: 8.4 W
Test Date:	: 11/20/2020
Beam Angle 50%:	: 82.2°
Field Angle 10%:	: 125.4°
Nanometer:	: 448 nm
Lm Delivered:	: 24.9 lm
CBCP:	: 13.2 cd
Power Factor:	: 0.94 pf

FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC *
1'	1.7 ft	13 fc
2'	3.5 ft	3 fc
3'	5.2 ft	1 fc
4'	7 ft	1 fc
5'	8.7 ft	1 fc

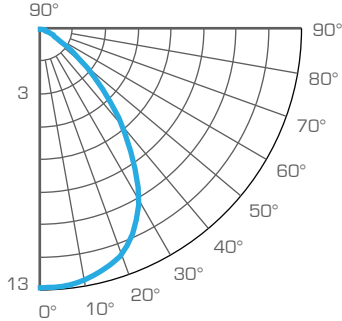
*at center of beam

SPECTRAL DISTRIBUTION CHART



PHOTOMETRY

CANDELA TABULATION



SR4SW/PWR - GREEN (8.6W, 550 nm)

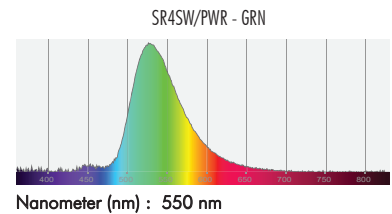
Power:	: 8.6 W
Test Date:	: 11/20/2020
Beam Angle 50%:	: 79.3°
Field Angle 10%:	: 122.3°
Nanometer:	: 550 nm
lm Delivered:	: 260 lm
CBCP:	: 152 cd
Power Factor:	: 0.94 pf

FOOTCANDLE DISTRIBUTION

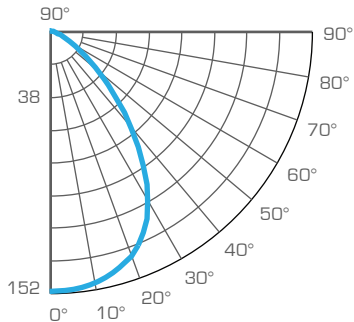
Height	Beam Diameter	FC *
6'	9.9 ft	4 fc
8'	13.3 ft	2 fc
10'	16.6 ft	2 fc
12'	19.9 ft	1 fc
14'	23.2 ft	1 fc

*at center of beam

SPECTRAL DISTRIBUTION CHART



CANDELA TABULATION



SR4SW/PWR - RED (10.5W, 621 nm)

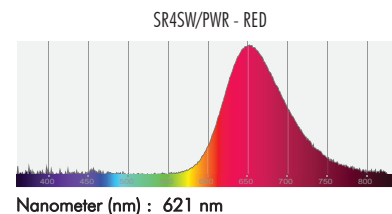
Power:	: 10.5 W
Test Date:	: 11/20/2020
Beam Angle 50%:	: 83.5°
Field Angle 10%:	: 121.9°
Nanometer:	: 621 nm
lm Delivered:	: 53.4 lm
CBCP:	: 29.1 cd
Power Factor:	: 0.95 pf

FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC *
1'	1.8 ft	29 fc
2'	3.6 ft	7 fc
3'	5.4 ft	3 fc
4'	7.1 ft	2 fc
5'	8.9 ft	1 fc

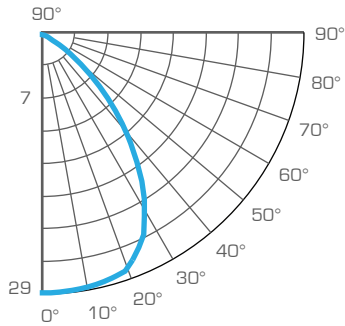
*at center of beam

SPECTRAL DISTRIBUTION CHART



PHOTOMETRY

CANDELA TABULATION



SR4SW/PWR - WHITE (9.6W, 81.2°°, 268lm)

Model No.:	: SR4SW/PWR-WHT
Power:	: 9.6W
Test Date:	: 11/20/2020
Beam Angle 50%:	: 81.2°
Field Angle 10%:	: 120°
CCT (Color Temp):	: 3861 K
CRI Value:	: 83.5
R9 Value:	: 12.9
Lm Delivered:	: 268 lm
CBCP:	: 157 cd
Power Factor:	: 0.95

FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC *
6'	10.3 ft	4 fc
8'	13.7 ft	2 fc
10'	17.1 ft	2 fc
12'	20.6 ft	1 fc
14'	24 ft	1 fc

*at center of beam

Height	Beam Diameter	FC *
8'	13.7 ft	2 fc
12'	20.6 ft	1 fc
16'	27.4 ft	1 fc
20'	34.3 ft	0 fc
24'	41.1 ft	0 fc

*at center of beam

CANDELA TABULATION

