

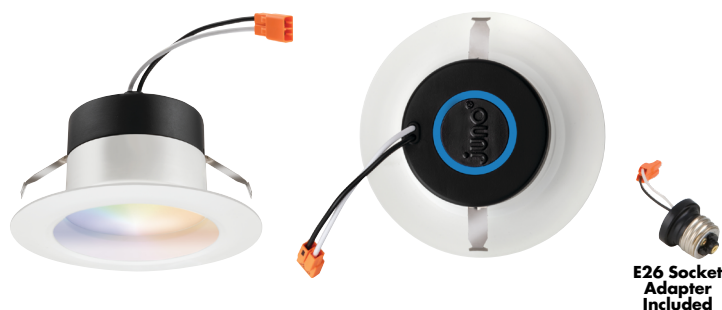


# RetroBasics™ RB4SC RGBW

## 4" Smart LED Trim Kit

Project:
Fixture Type:
Location:
Contact/Phone:

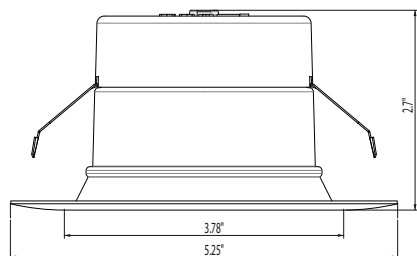
### RB4SC RGBW Series



E26 Socket Adapter Included



### Dimensions



### Specifications

Aperture: 3.78"  
 Ceiling opening: 4.25"  
 Overlap trim: 5.25"  
 Height: 2.7"

### Performance

Delivered Lumens	Up to 730 lumens nominal
LED Color Temperature	Tunable White (2700K to 5000K) + RGB Colors
CRI	90+
Voltage	Dedicated 120 VAC
Dimming	Dimmable to 1% Not for use with Wall Dimmers

### Product Features

The RetroBasics™ Smart LED trim kits with RGBW color changing functionality is the perfect way to get connected with a Smart Home Lighting solution. Once connected to the smart home platform via Bluetooth or Zigbee, the Smart RetroBasics LED trims can be controlled either via voice command, time schedules, or with the app. Commission through the SmartThings app or Alexa and Google voice assistant apps. Once installed, controlling the lighting from your mobile device is simple and easy to customize lighting from on/off, fine-tuning the color temperatures (2700K to 5000K) or tunable RGBW for full color spectrum options, dimming to set the mood, and grouping to control an entire lighting application at once.

The Smart RGBW trim kit is used to replace legacy incandescent technology in an already installed housing or pair with the quick connect LED housings for a low-cost LED downlight solution.

The LED module maintains at least 70% light output for 50,000 hours.

- Direct set-up for basic operation or hub for expanded features and functionality.<sup>1,2</sup>
- Pairs with smart devices to enable voice control (see [Quick Start Guide](#))
- Customize lighting to fine-tune the color temperatures (2700K to 5000K) or RGB for full color changing functionality,

### Practical, functional design

- Spun aluminum housing in smooth trim flange design
- Low profile construction optimized for wider fixture spacings
- Optional field installable trim insert accessories to compliment any room available in three painted finishes including matte black, bronze and satin nickel

### Easy installation and serviceability

- All-in-one design where electronics are integrated into trim replaces the existing lamp and trim
- Trim features quick connect plug for easy electrical connection in seconds
- Retention springs are pre-installed and designed to fit into most 4" compatible recessed housings

### Notes

- 1 For integration with Alexa: an Echo (4th Generation Smart Home Hub), Echo Plus, or Echo Show 10 is required. Integration with older Alexa devices will require an Amazon eero 6 Mesh Wifi system or a SmartThings hub.
- 2 For integration with Google speakers: a SmartThings hub is required when installing 6 or more light fixtures.

### Applications

- Retrofit into existing recessed housings or use with quick connect housings for new construction or remodel applications
- Wet rated and air-loc: perfect for showers, bathrooms, and eaves
- For use with housings installed in IC rated applications (direct contact with insulation)

### Other RetroBasics Models Available:

#### RetroBasics Smart Downlight



5/6" Downlight

#### RetroBasics Switchable Downlight



4" Downlight

5/6" Downlight

#### RetroBasics Adjustable Switchable and Smart Downlight



4" Adjustable

5/6" Adjustable



# RetroBasics™ RB4SC RGBW 4" Smart LED Trim Kit

## ORDERING INFORMATION

### 4" Downlight

Example: RB4SC RGBW MW M6

Series	Color Temperature	Finish	Options	Packaging
<b>RB4SC</b> RetroBasics 4" Smart LED RGBW Smooth Trim Kit	<b>RGBW</b> Tunable White (2700K to 5000K) + RGB Colors	<b>MW</b> Matte White	<b>L/SKTWHIP<sup>1</sup></b> No E26 Adapter (CA only)	<b>M6</b> Master Pack - Individually Packaged

**Notes**

1 L/SKTWHIP must be selected for product shipping to California.

## ACCESSORIES

### TRIM INSERTS (for field configuration; ordered separately)

Series	Finish	Packaging
<b>RB4TRIM</b> 4" Baffle	<b>MB</b> Matte Black	<b>R6</b> Retail Pack of 6 Units
<b>RB4STRIM</b> 4" Smooth	<b>BRZ</b> Bronze	
	<b>SNP</b> Satin Nickel Paint	



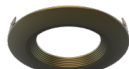
Pre-Install color finish trim insert over white 4" RetroBasics trim kit



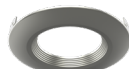
Press down tabs on color finish trim insert to create final RetroBasics LED trim assembly



MB baffle



BRZ baffle



SNP baffle



MB smooth



BRZ smooth



SNP smooth

Pairs perfectly with Juno housings for a complete downlight solution: Order housings as separate catalog number.

### QC4 Series - New Construction Quick Connect LED Housing



### QC4R Series - Remodel Quick Connect LED Housing



### ICIFW LEDT24 - Firewall Fire Rated Quick Connect LED Housing





# RetroBasics™ RB4SC RGBW

## 4" Smart LED Trim Kit

### Specifications/Electrical Data

#### LED Downlight Retrofit Trim

Spun aluminum housing in smooth trim flange design in matte white finish

- Pressed-in diffusing lens optimized for concealing the LEDs from direct view in the on and off state
- All-in-one design where LED light engine mounts directly to the trim for ease of installation into existing 4" recessed housings with medium base sockets or quick connect LED housings
- Provided with push-in friction springs
- Optional field installable trim insert accessories to compliment any room available in three painted finishes including matte black, bronze and satin nickel

#### LED LIGHT ENGINE

LEDs are integrated to one piece high purity aluminum, thermally conductive housing to provide uninterrupted heat transfer to ensure long life of the LED.

- Tunable white color temperatures (2700K to 5000K) or RGB for full color changing functionality
- 90 CRI minimum
- Accommodates 120 volts AC at 60Hz

#### Optical System

Regressed, diffused lens at end of mixing chamber to provide even light distribution for general illumination

- Optimized for wide fixture spacings
- Up to nominal 730 lumens is equivalent to 65W BR30 lamp.

#### Electrical Connections

Trim features quick connect plug installed as standard for installation into Juno quick connect housings with mating connector

- Trim ships with a medium base socket adapter whip for installation into 4" incandescent housings with medium base sockets.

#### Life

Rated for 50,000 hours at 70% lumen maintenance.

#### Labels

CSA certified to US and Canadian safety standards • ENERGY STAR® certified product • Suitable for wet location, covered ceiling • Air-Loc certified in accordance with ASTM E283-2004 • NOM Certified • Can be used to comply with California Title 24 Part 6 High Efficacy LED light Source Requirements

**Testing:** All reports are based on published industry procedures; field performance may differ from laboratory performance.

#### Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

### PERFORMANCE DATA

RB4SC	
Input Voltage	120V
Input Power Typical	9.5W (+/-5%)
Power Factor	.9
Frequency	60 Hz
EMI/RFI	FCC Title 47, Part 15 Class B (consumer)
Minimum Starting Temp	-20°C (-4°F) minimum

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25° C

#### LIGHTING PERFORMANCE DATA DONNÉES SUR LE RENDEMENT DE L'ÉCLAIRAGE

Light Appearance (CCT)  
Aspect de la lumière (CCT)

**2700K** soft white | blanc doux

745 lumens | 78 lumens per watt

**3000K** warm white | blanc chaud

730 lumens | 77 lumens per watt

**3500K** neutral white | blanc neutre

738 lumens | 77 lumens per watt

**4000K** cool white | blanc froid

737 lumens | 78 lumens per watt

**5000K** daylight | blanc neutre

759 lumens | 80 lumens per watt

Watts **9.5**

Color Accuracy (CRI) **90**  
Précision des couleurs (CRI)

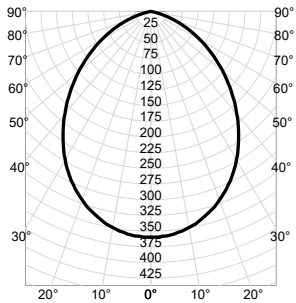


# RetroBasics™ RB4SC RGBW

## 4" Smart LED Trim Kit

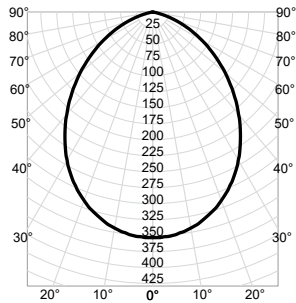
### PHOTOMETRICS

**RB4SC RGBW MW M6 - 2700K** Input Watts: 9.5, Delivered Lumens: 745, LPW: 78.4, S/MH: 1.13, Test No: 80119816 - 001P1



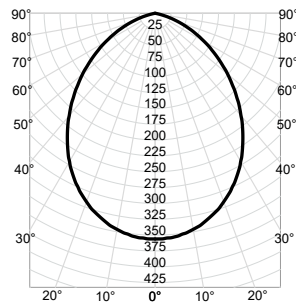
CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
								pf		80%		70%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance			
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%									
0°	0° - 30°	266	36%	0	119	119	119	116	116	116	111	111	111	6.0	10.0	12.1	0°	47,228				
5°	0° - 40°	418	56%	1	107	103	100	105	102	99	101	98	96	8.0	5.6	16.2	45°	33,766				
15°	0° - 60°	665	89%	2	95	89	85	93	88	84	90	86	82	10.0	3.6	20.2	55°	27,446				
25°	0° - 90°	745	100%	3	85	78	72	83	77	72	81	75	70	12.0	2.5	24.3	65°	19,867				
35°	90° - 180°	0	0%	4	76	68	62	75	68	62	73	66	61	14.0	1.8	28.3	75°	7,603				
45°	0° - 180°	745	100%	5	69	61	55	68	60	54	66	59	54	Beam Angle: 90.7°			85°	0				
55°		120		6	62	54	48	62	54	48	60	53	48	Field Angle: 140.8°								
65°		64		7	57	49	43	56	49	43	55	48	43									
75°		15		8	52	44	39	52	44	39	50	44	39									
85°		0		9	48	41	35	48	40	35	47	40	35									
90°		0		10	45	37	32	44	37	32	43	37	32									

**RB4SC RGBW MW M6 - 3000K** Input Watts: 9.5, Delivered Lumens: 732, LPW: 77.1, S/MH: 1.13, Test No: 80119816 - 001P2



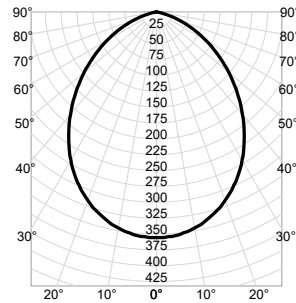
CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
								pf		80%		70%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance			
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%									
0°	0° - 30°	261	36%	0	119	119	119	116	116	116	111	111	111	6.0	9.8	12.1	0°	46,403				
5°	0° - 40°	411	56%	1	107	103	100	105	102	99	101	98	96	8.0	5.5	16.2	45°	33,177				
15°	0° - 60°	654	89%	2	95	89	85	93	88	84	90	86	82	10.0	3.5	20.2	55°	26,967				
25°	0° - 90°	732	100%	3	85	78	72	83	77	72	81	75	70	12.0	2.5	24.3	65°	19,520				
35°	90° - 180°	0	0%	4	76	68	62	75	68	62	73	66	61	14.0	1.8	28.3	75°	7,470				
45°	0° - 180°	732	100%	5	69	61	55	68	60	54	66	59	54	Beam Angle: 90.7°			85°	0				
55°		118		6	62	54	48	62	54	48	60	53	48	Field Angle: 140.8°								
65°		63		7	57	49	43	56	49	43	55	48	43									
75°		15		8	52	44	39	52	44	39	50	44	39									
85°		0		9	48	41	35	48	40	35	47	40	35									
90°		0		10	45	37	32	44	37	32	43	37	32									

**RB4SC RGBW MW M6 - 3500K** Input Watts: 9.5, Delivered Lumens: 738, LPW: 77.7, S/MH: 1.13, Test No: 80119816 - 001P3



CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
								pf		80%		70%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance			
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%									
0°	0° - 30°	263	36%	0	119	119	119	116	116	116	111	111	111	6.0	9.9	12.1	0°	46,784				
5°	0° - 40°	414	56%	1	107	103	100	105	102	99	101	98	96	8.0	5.6	16.2	45°	33,449				
15°	0° - 60°	659	89%	2	95	89	85	93	88	84	90	86	82	10.0	3.6	20.2	55°	27,188				
25°	0° - 90°	738	100%	3	85	78	72	83	77	72	81	75	70	12.0	2.5	24.3	65°	19,680				
35°	90° - 180°	0	0%	4	76	68	62	75	68	62	73	66	61	14.0	1.8	28.3	75°	7,532				
45°	0° - 180°	738	100%	5	69	61	55	68	60	54	66	59	54	Beam Angle: 90.7°			85°	0				
55°		119		6	62	54	48	62	54	48	60	53	48	Field Angle: 140.8°								
65°		63		7	57	49	43	56	49	43	55	48	43									
75°		15		8	52	44	39	52	44	39	50	44	39									
85°		0		9	48	41	35	48	40	35	47	40	35									
90°		0		10	45	37	32	44	37	32	43	37	32									

**RB4SC RGBW MW M6 - 4000K** Input Watts: 9.5, Delivered Lumens: 737, LPW: 77.6, S/MH: 1.13, Test No: 80119816 - 001P4



CP Summary				Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
								pf		80%		70%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance			
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%									
0°	0° - 30°	263	36%	0	119	119	119	116	116	116	111	111	111	6.0	9.9	12.1	0°	46,720				
5°	0° - 40°	414	56%	1	107	103	100	105	102	99	101	98	96	8.0	5.6	16.2	45°	33,403				
15°	0° - 60°	658	89%	2	95	89	85	93	88	84	90	86	82	10.0	3.6	20.2	55°	27,151				
25°	0° - 90°	737	100%	3	85	78	72	83	77	72	81	75	70	12.0	2.5	24.3	65°	19,653				
35°	90° - 180°	0	0%	4	76	68	62	75	68	62	73	66	61	14.0	1.8	28.3	75°	7,521				
45°	0° - 180°	737	100%	5	69	61	55	68	60	54	66	59	54	Beam Angle: 90.7°			85°	0				
55°		119		6	62	54	48	62	54	48	60	53	48	Field Angle: 140.8°								
65°		63		7	57	49	43	56	49	43	55	48	43									
75°		15		8	52	44	39	52	44	39	50	44	39									
85°		0		9	48	41	35	48	40	35	47	40	35									
90°		0		10	45	37	32	44	37	32	43	37	32									

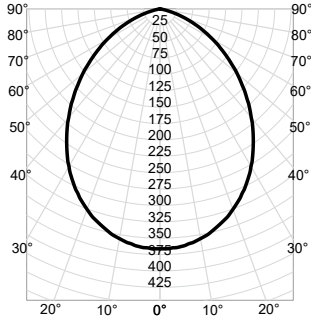


# RetroBasics™ RB4SC RGBW

## 4" Smart LED Trim Kit

### PHOTOMETRICS

RB4SC RGBW MW M6 - 5000K Input Watts: 9.5, Delivered Lumens: 759, LPW: 79.9, S/MH: 1.13, Test No: 80119816 - 001P5



CP Summary	Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
	0°	Zone	Lumens	% Fixture	pf pc	80%		20% 70%		50%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
						pw	50%	30%	10%	50%	30%	10%	50%					30%	10%
0°	366	0° - 30°	271	36%	0	119	119	119	116	116	116	111	111	111	6.0	10.2	12.1	0°	48,115
5°	364	0° - 40°	426	56%	1	107	103	100	105	102	99	101	98	96	8.0	5.7	16.2	45°	34,400
15°	343	0° - 60°	678	89%	2	95	89	85	93	88	84	90	86	82	10.0	3.7	20.2	55°	27,962
25°	304	0° - 90°	759	100%	3	85	78	72	83	77	72	81	75	70	12.0	2.5	24.3	65°	20,240
35°	248	90° - 180°	0	0%	4	76	68	62	75	68	62	73	66	61	14.0	1.9	28.3	75°	7,746
45°	185	0° - 180°	759	100%	5	69	61	55	68	60	54	66	59	54				85°	0
55°	122				6	62	54	48	62	54	48	60	53	48					
65°	65				7	57	49	43	56	49	43	55	48	43					
75°	15				8	52	44	39	52	44	39	50	44	39					
85°	0				9	48	41	35	48	40	35	47	40	35					
90°	0				10	45	37	32	44	37	32	43	37	32					