

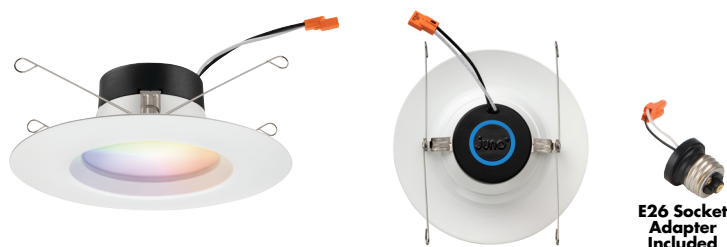


RetroBasics™ RB56SC RGBW

5/6" Smart LED Trim Kit

Project:
Fixture Type:
Location:
Contact/Phone:

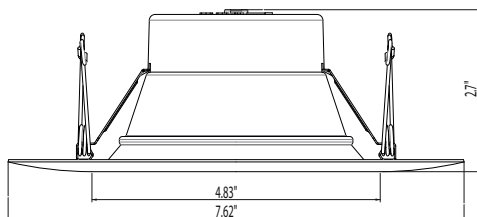
RB56SC RGBW Series



E26 Socket Adapter Included



Dimensions



Specifications

Aperture: 4.83"
 Ceiling opening: 5.25"
 Overlap trim: 7.62"
 Height: 2.7"

Performance

Delivered Lumens	Up to 885 nominal lumens
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.^{1,2}
- 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
- Torsion springs are pre-installed and designed to fit into most 5" or 6" 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



4" Downlight

RetroBasics Switchable Downlight



4" Downlight



5/6" Downlight

RetroBasics Adjustable Switchable and Smart Downlight



4" Adjustable



5/6" Adjustable



RetroBasics™ RB56SC RGBW

5/6" Smart LED Trim Kit

ORDERING INFORMATION

5/6" Downlight

Example: RB56SC RGBW MW M6

Series	Color Temperature	Finish	Options	Packaging
RB56SC RetroBasics 5/6" Smart LED RGBW Smooth Trim Kit	RGBW Tunable White (2700K to 5000K) + RGB Colors	MW Matte White	L/SKTWHIP ¹ No E26 Adapter (CA only)	M6 Master Pack - Individually Packaged

Additional Ordering Options:

Contractor Packs available by ordering as the following:
Smooth 4 pack: RB56SC RGBW MW CP4 M2

Contractor Pack (CP4) Ordering Examples:

Example 1: Ordered in Qty of 1

Ordered Line: Qty: 1 RB56SC RGBW MW CP4 M2
*Will receive 1 box with 4 units not individually packaged

Example 2: Ordered in Qty of 2

Ordered Line: Qty: 2 RB56SC RGBW MW CP4 M2
*Will receive 1 master carton that includes 2 separate boxes with 4 units in each box not 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
RB56TRIM 5/6" Baffle	MB Matte Black	R6 Retail Pack of 6 Units
RB56STRIM 5/6" Smooth	BRZ Bronze	
	SNP Satin Nickel Paint	



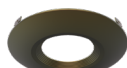
Pre-Install color finish trim insert over white 5/6" RetroBasics trim kit



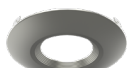
Press down tabs on color finish trim insert to create final RetroBasics LED trim assembly



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.

QC6 Series - New Construction Quick Connect LED Housing



QC6R Series - Remodel Quick Connect LED Housing





RetroBasics™ RB56SC RGBW

5/6" 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 5" or 6" recessed housings with medium base sockets or quick connect LED housings
- Provided with torsion 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 885 nominal lumens is equivalent to 75W 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 5" or 6" 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

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

RB56SC	
Input Voltage	120V
Input Power Typical	11.5W (+/-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

911 lumens | 79 lumens per watt

3000K warm white | blanc chaud

885 lumens | 77 lumens per watt

3500K neutral white | blanc neutre

893 lumens | 78 lumens per watt

4000K cool white | blanc froid

893 lumens | 78 lumens per watt

5000K daylight | blanc neutre

916 lumens | 80 lumens per watt

Watts **11.5**

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

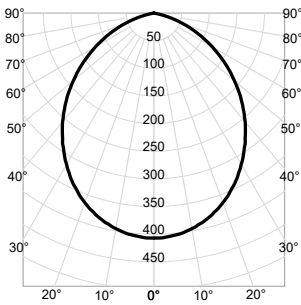


RetroBasics™ RB56SC RGBW

5/6" Smart LED Trim Kit

PHOTOMETRICS

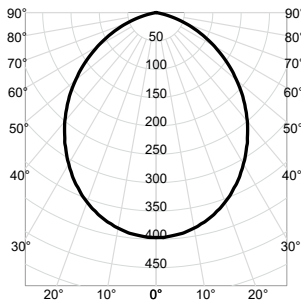
RB56SC RGBW MW M6 - 2700K Input Watts: 11.5, Delivered Lumens: 911, LPW: 79.2, S/MH: 1.15, Test No: 80119816 - 002P1



CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pw	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance								
					50%	30%	10%	50%	30%	10%	50%	30%					10%							
0°	0° - 30°	304	33%	0	119	119	119	116	116	116	111	111	111	6.0	11.3	13.4	0°	32,781						
5°	0° - 40°	483	53%	1	106	103	100	104	101	98	100	97	95	8.0	6.4	17.8	45°	25,515						
15°	0° - 60°	795	87%	2	94	88	83	92	87	82	89	84	80	10.0	4.1	22.3	55°	21,906						
25°	0° - 90°	911	100%	3	84	76	71	82	75	70	79	74	69	12.0	2.8	26.7	65°	16,771						
35°	90° - 180°	0	0%	4	75	67	61	74	66	60	71	65	59	14.0	2.1	31.2	75°	8,091						
45°	0° - 180°	911	100%	5	67	59	53	66	58	53	64	57	52				85°	0						
55°	156			6	61	53	47	60	52	46	58	51	46											
65°	88			7	56	47	41	55	47	41	53	46	41											
75°	26			8	51	43	37	50	43	37	49	42	37											
85°	0			9	47	39	34	46	39	34	45	38	33											
90°	0			10	43	36	31	43	36	31	42	35	31											

Beam Angle: 96.1°
Field Angle: 145.1°

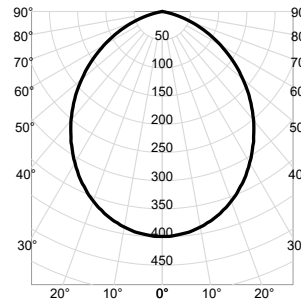
RB56SC RGBW MW M6 - 3000K Input Watts: 11.5, Delivered Lumens: 888, LPW: 77.2, S/MH: 1.15, Test No: 80119816 - 002P2



CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pw	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance								
					50%	30%	10%	50%	30%	10%	50%	30%					10%							
0°	0° - 30°	296	33%	0	119	119	119	116	116	116	111	111	111	6.0	11.0	13.4	0°	31,954						
5°	0° - 40°	471	53%	1	106	103	100	104	101	98	100	97	95	8.0	6.2	17.8	45°	24,871						
15°	0° - 60°	775	87%	2	94	88	83	92	87	82	89	84	80	10.0	4.0	22.3	55°	21,353						
25°	0° - 90°	888	100%	3	84	76	71	82	75	70	79	74	69	12.0	2.8	26.7	65°	16,348						
35°	90° - 180°	0	0%	4	75	67	61	74	66	60	71	65	59	14.0	2.0	31.2	75°	7,887						
45°	0° - 180°	888	100%	5	67	59	53	66	58	53	64	57	52				85°	0						
55°	152			6	61	53	47	60	52	46	58	51	46											
65°	86			7	56	47	41	55	47	41	53	46	41											
75°	25			8	51	43	37	50	43	37	49	42	37											
85°	0			9	47	39	34	46	39	34	45	38	33											
90°	0			10	43	36	31	43	36	31	42	35	31											

Beam Angle: 96.1°
Field Angle: 145.1°

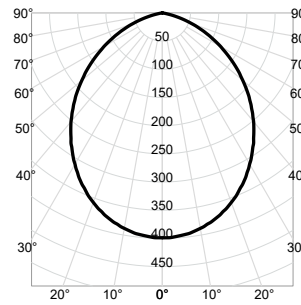
RB56SC RGBW MW M6 - 3500K Input Watts: 11.5, Delivered Lumens: 893, LPW: 77.7, S/MH: 1.15, Test No: 80119816 - 002P3



CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pw	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance								
					50%	30%	10%	50%	30%	10%	50%	30%					10%							
0°	0° - 30°	298	33%	0	119	119	119	116	116	116	111	111	111	6.0	11.1	13.4	0°	32,134						
5°	0° - 40°	474	53%	1	106	103	100	104	101	98	100	97	95	8.0	6.2	17.8	45°	25,011						
15°	0° - 60°	780	87%	2	94	88	83	92	87	82	89	84	80	10.0	4.0	22.3	55°	21,473						
25°	0° - 90°	893	100%	3	84	76	71	82	75	70	79	74	69	12.0	2.8	26.7	65°	16,440						
35°	90° - 180°	0	0%	4	75	67	61	74	66	60	71	65	59	14.0	2.0	31.2	75°	7,931						
45°	0° - 180°	893	100%	5	67	59	53	66	58	53	64	57	52				85°	0						
55°	153			6	61	53	47	60	52	46	58	51	46											
65°	86			7	56	47	41	55	47	41	53	46	41											
75°	25			8	51	43	37	50	43	37	49	42	37											
85°	0			9	47	39	34	46	39	34	45	38	33											
90°	0			10	43	36	31	43	36	31	42	35	31											

Beam Angle: 96.1°
Field Angle: 145.1°

RB56SC RGBW MW M6 - 4000K Input Watts: 11.5, Delivered Lumens: 893, LPW: 77.7, S/MH: 1.15, Test No: 80119816 - 002P4



CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pw	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance								
					50%	30%	10%	50%	30%	10%	50%	30%					10%							
0°	0° - 30°	298	33%	0	119	119	119	116	116	116	111	111	111	6.0	11.1	13.4	0°	32,134						
5°	0° - 40°	474	53%	1	106	103	100	104	101	98	100	97	95	8.0	6.2	17.8	45°	25,011						
15°	0° - 60°	780	87%	2	94	88	83	92	87	82	89	84	80	10.0	4.0	22.3	55°	21,473						
25°	0° - 90°	893	100%	3	84	76	71	82	75	70	79	74	69	12.0	2.8	26.7	65°	16,440						
35°	90° - 180°	0	0%	4	75	67	61	74	66	60	71	65	59	14.0	2.0	31.2	75°	7,931						
45°	0° - 180°	893	100%	5	67	59	53	66	58	53	64	57	52				85°	0						
55°	153			6	61	53	47	60	52	46	58	51	46											
65°	86			7	56	47	41	55	47	41	53	46	41											
75°	25			8	51	43	37	50	43	37	49	42	37											
85°	0			9	47	39	34	46	39	34	45	38	33											
90°	0			10	43	36	31	43	36	31	42	35	31											

Beam Angle: 96.1°
Field Angle: 145.1°

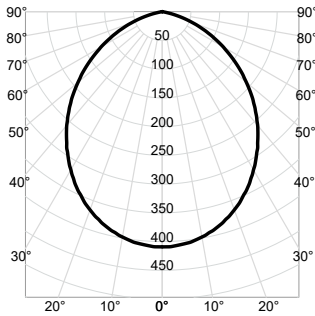


RetroBasics™ RB56SC RGBW

5/6" Smart LED Trim Kit

PHOTOMETRICS

RB56SC RGBW MW M6 - 5000K Input Watts: 11.5, Delivered Lumens: 916, LPW: 79.7, S/MH: 1.15, Test No: 80119816 - 002P5



CP Summary	Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
	0°	Zone	Lumens % Fixture	pf	80%		20%		70%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
				pc	50%	30%	10%	50%	30%	10%	50%	30%	10%					
0°	409	0° - 30°	306 33%	0	119	119	119	116	116	116	111	111	111	6.0	11.4	13.4	0°	32,961
5°	406	0° - 40°	486 53%	1	106	103	100	104	101	98	100	97	95	8.0	6.4	17.8	45°	25,655
15°	385	0° - 60°	800 87%	2	94	88	83	92	87	82	89	84	80	10.0	4.1	22.3	55°	22,026
25°	345	0° - 90°	916 100%	3	84	76	71	82	75	70	79	74	69	12.0	2.8	26.7	65°	16,863
35°	290	90° - 180°	0 0%	4	75	67	61	74	66	60	71	65	59	14.0	2.1	31.2	75°	8,136
45°	225	0° - 180°	916 100%	5	67	59	53	66	58	53	64	57	52				85°	0
55°	157			6	61	53	47	60	52	46	58	51	46					
65°	88			7	56	47	41	55	47	41	53	46	41					
75°	26			8	51	43	37	50	43	37	49	42	37					
85°	0			9	47	39	34	46	39	34	45	38	33					
90°	0			10	43	36	31	43	36	31	42	35	31					

Beam Angle: 96.1°
Field Angle: 145.1°