JUNO

RetroBasics™ RB4SC RGBW

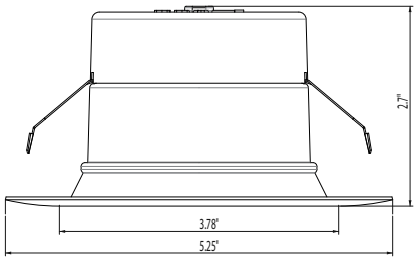
4" Smart LED Trim Kit

Project:
Fixture Type:
Location:
Contact/Phone:

RB4SC RGBW Series

Works with SmartThings · works with alexa · works with Hey Google · ZigBee · ENERGY STAR · C US · TITLE 24 PART 6 · WET LOCATION™ · AIR-LOC · 2700K to 5000K + RGBW · DIMMABLE LED

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.[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
- 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

 © 2022-2023 Acuity Brands Lighting, Inc.

RetroBasics™ RB4SC RGBW

4" Smart LED Trim Kit

ORDERING INFORMATION

4" Downlight

Example: RB4SC RGBW MW M6

Series		Color Temperature		Finish		Options		Packaging	
RB4SC	RetroBasics 4" 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

Notes

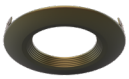
1 L/SKTWHIP must be selected for product shipping to California.

ACCESSORIES

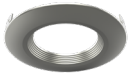
TRIM INSERTS (for field configuration; ordered separately)

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

MB baffle

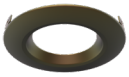


BRZ baffle

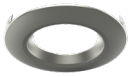


SNP baffle

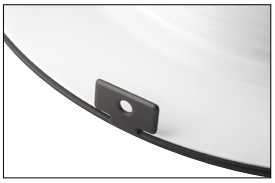
MB smooth



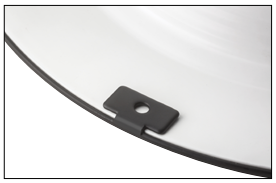
BRZ smooth



SNP smooth



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

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

IC1FW LEDT24 - Firewall Fire Rated Quick Connect LED Housing

 © 2022-2023 Acuity Brands Lighting, Inc.

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

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) Précision des couleurs (CRI)	**90**

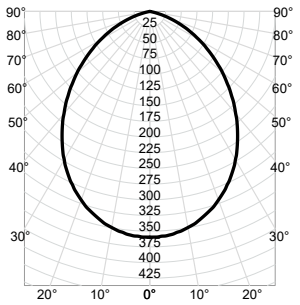
 © 2022-2023 Acuity Brands Lighting, Inc.

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

0°	360
5°	358
15°	337
25°	299
35°	244
45°	182
55°	120
65°	64
75°	15
85°	0
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	266	36%
0° - 40°	418	56%
0° - 60°	665	89%
0° - 90°	745	100%
90° - 180°	0	0%
0° - 180°	745	100%

Coefficients of Utilization

ρf / ρc / ρw	80% 50%	80% 30%	80% 10%	20% 50%	20% 30%	20% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	107	103	100	105	102	99	101	98	96
2	95	89	85	93	88	84	90	86	82
3	85	78	72	83	77	72	81	75	70
4	76	68	62	75	68	62	73	66	61
5	69	61	55	68	60	54	66	59	54
6	62	54	48	62	54	48	60	53	48
7	57	49	43	56	49	43	55	48	43
8	52	44	39	52	44	39	50	44	39
9	48	41	35	48	40	35	47	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

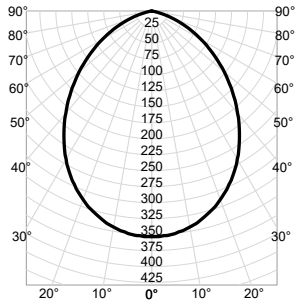
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	10.0	12.1
8.0	5.6	16.2
10.0	3.6	20.2
12.0	2.5	24.3
14.0	1.8	28.3

Beam Angle: 90.7°
Field Angle: 140.8°

Luminance (cd/sq.m)

	Average Luminance
0°	47,228
45°	33,766
55°	27,446
65°	19,867
75°	7,603
85°	0

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

0°	353
5°	351
15°	331
25°	293
35°	239
45°	179
55°	118
65°	63
75°	15
85°	0
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	261	36%
0° - 40°	411	56%
0° - 60°	654	89%
0° - 90°	732	100%
90° - 180°	0	0%
0° - 180°	732	100%

Coefficients of Utilization

ρf / ρc / ρw	80% 50%	80% 30%	80% 10%	20% 50%	20% 30%	20% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	107	103	100	105	102	99	101	98	96
2	95	89	85	93	88	84	90	86	82
3	85	78	72	83	77	72	81	75	70
4	76	68	62	75	68	62	73	66	61
5	69	61	55	68	60	54	66	59	54
6	62	54	48	62	54	48	60	53	48
7	57	49	43	56	49	43	55	48	43
8	52	44	39	52	44	39	50	44	39
9	48	41	35	48	40	35	47	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

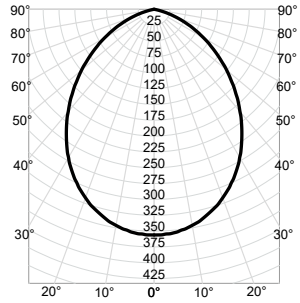
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	9.8	12.1
8.0	5.5	16.2
10.0	3.5	20.2
12.0	2.5	24.3
14.0	1.8	28.3

Beam Angle: 90.7°
Field Angle: 140.8°

Luminance (cd/sq.m)

	Average Luminance
0°	46,403
45°	33,177
55°	26,967
65°	19,520
75°	7,470
85°	0

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

0°	356
5°	354
15°	333
25°	296
35°	241
45°	180
55°	119
65°	63
75°	15
85°	0
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	263	36%
0° - 40°	414	56%
0° - 60°	659	89%
0° - 90°	738	100%
90° - 180°	0	0%
0° - 180°	738	100%

Coefficients of Utilization

ρf / ρc / ρw	80% 50%	80% 30%	80% 10%	20% 50%	20% 30%	20% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	107	103	100	105	102	99	101	98	96
2	95	89	85	93	88	84	90	86	82
3	85	78	72	83	77	72	81	75	70
4	76	68	62	75	68	62	73	66	61
5	69	61	55	68	60	54	66	59	54
6	62	54	48	62	54	48	60	53	48
7	57	49	43	56	49	43	55	48	43
8	52	44	39	52	44	39	50	44	39
9	48	41	35	48	40	35	47	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

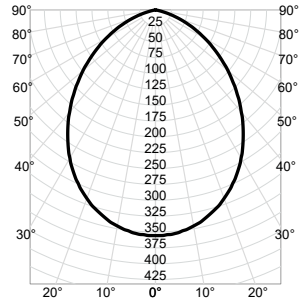
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	9.9	12.1
8.0	5.6	16.2
10.0	3.6	20.2
12.0	2.5	24.3
14.0	1.8	28.3

Beam Angle: 90.7°
Field Angle: 140.8°

Luminance (cd/sq.m)

	Average Luminance
0°	46,784
45°	33,449
55°	27,188
65°	19,680
75°	7,532
85°	0

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

0°	356
5°	354
15°	333
25°	295
35°	241
45°	180
55°	119
65°	63
75°	15
85°	0
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	263	36%
0° - 40°	414	56%
0° - 60°	658	89%
0° - 90°	737	100%
90° - 180°	0	0%
0° - 180°	737	100%

Coefficients of Utilization

ρf / ρc / ρw	80% 50%	80% 30%	80% 10%	20% 50%	20% 30%	20% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	107	103	100	105	102	99	101	98	96
2	95	89	85	93	88	84	90	86	82
3	85	78	72	83	77	72	81	75	70
4	76	68	62	75	68	62	73	66	61
5	69	61	55	68	60	54	66	59	54
6	62	54	48	62	54	48	60	53	48
7	57	49	43	56	49	43	55	48	43
8	52	44	39	52	44	39	50	44	39
9	48	41	35	48	40	35	47	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	9.9	12.1
8.0	5.6	16.2
10.0	3.6	20.2
12.0	2.5	24.3
14.0	1.8	28.3

Beam Angle: 90.7°
Field Angle: 140.8°

Luminance (cd/sq.m)

	Average Luminance
0°	46,720
45°	33,403
55°	27,151
65°	19,653
75°	7,521
85°	0

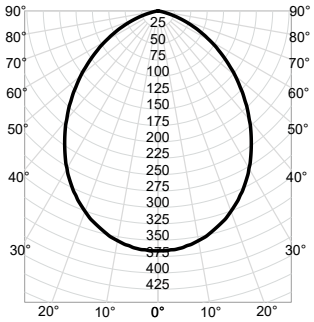
© 2022-2023 Acuity Brands Lighting, Inc. Rev. 09/5/23

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

	0°
0°	366
5°	364
15°	343
25°	304
35°	248
45°	185
55°	122
65°	65
75°	15
85°	0
90°	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	271	36%
0° - 40°	426	56%
0° - 60°	678	89%
0° - 90°	759	100%
90° - 180°	0	0%
0° - 180°	759	100%

Coefficients of Utilization

ρf / ρc / ρw	80% 50%	80% 30%	80% 10%	20% 50%	20% 30%	20% 10%	50% 50%	50% 30%	50% 10%
0	119	119	119	116	116	116	111	111	111
1	107	103	100	105	102	99	101	98	96
2	95	89	85	93	88	84	90	86	82
3	85	78	72	83	77	72	81	75	70
4	76	68	62	75	68	62	73	66	61
5	69	61	55	68	60	54	66	59	54
6	62	54	48	62	54	48	60	53	48
7	57	49	43	56	49	43	55	48	43
8	52	44	39	52	44	39	50	44	39
9	48	41	35	48	40	35	47	40	35
10	45	37	32	44	37	32	43	37	32

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	10.2	12.1
8.0	5.7	16.2
10.0	3.7	20.2
12.0	2.5	24.3
14.0	1.9	28.3

Beam Angle: 90.7°
Field Angle: 140.8°

Luminance (cd/sq.m)

	Average Luminance
0°	48,115
45°	34,400
55°	27,962
65°	20,240
75°	7,746
85°	0

© 2022-2023 Acuity Brands Lighting, Inc.