

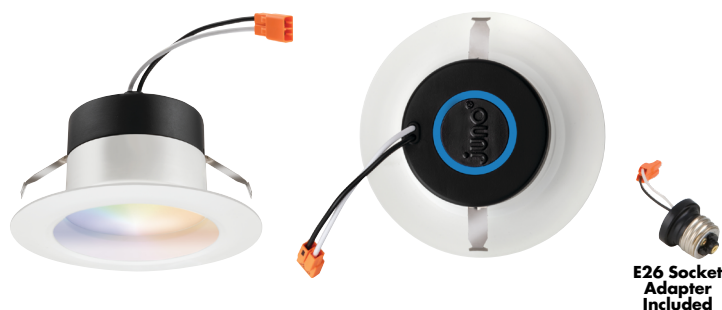


RetroBasics™ RB4SC RGBW

4" Smart LED Trim Kit

Project:
Fixture Type:
Location:
Contact/Phone:

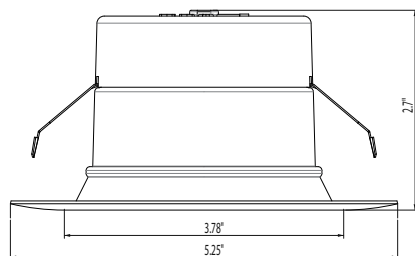
RB4SC RGBW Series



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.^{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



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/SKTWHIP¹ 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	



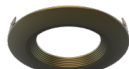
Pre-Install color finish trim insert over white 4" RetroBasics trim kit



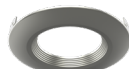
Press down tabs on color finish trim insert to create final RetroBasics LED trim assembly



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

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)

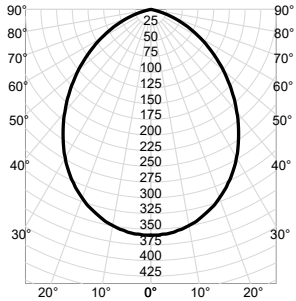


RetroBasics™ RB4SC RGBW

4" Smart LED Trim Kit

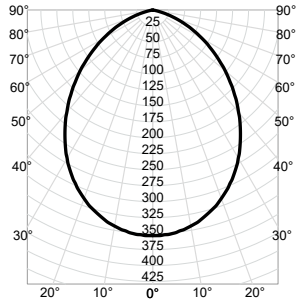
PHOTOMETRICS

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



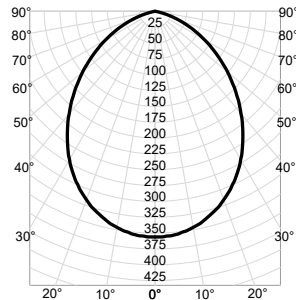
CP Summary		Zonal Lumen Summary		Coefficients of Utilization						Cone of Light			Luminance (cd/sq.m)					
				pf	80%			20%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
0°	Zone	Lumens	% Fixture	pc	50%	30%	10%	50%	30%	10%					50%	30%	10%	
0°	0° - 30°	266	36%	0	119	119	119	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				85°	0
55°		120		6	62	54	48	62	54	48	60	53	48					
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



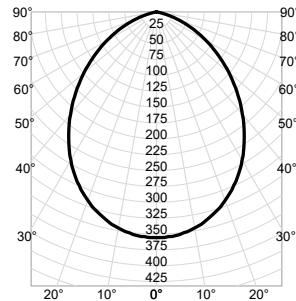
CP Summary		Zonal Lumen Summary		Coefficients of Utilization						Cone of Light			Luminance (cd/sq.m)					
				pf	80%			20%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
0°	Zone	Lumens	% Fixture	pc	50%	30%	10%	50%	30%	10%					50%	30%	10%	
0°	0° - 30°	261	36%	0	119	119	119	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				85°	0
55°		118		6	62	54	48	62	54	48	60	53	48					
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%			20%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
0°	Zone	Lumens	% Fixture	pc	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				85°	0
55°		119		6	62	54	48	62	54	48	60	53	48					
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%			20%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
0°	Zone	Lumens	% Fixture	pc	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				85°	0
55°		119		6	62	54	48	62	54	48	60	53	48					
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					

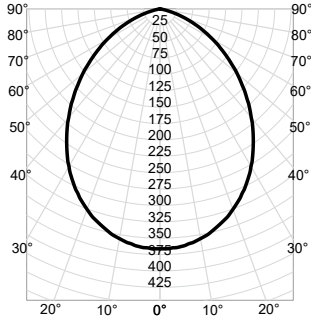


RetroBasics™ RB4SC RGBW

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°
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					

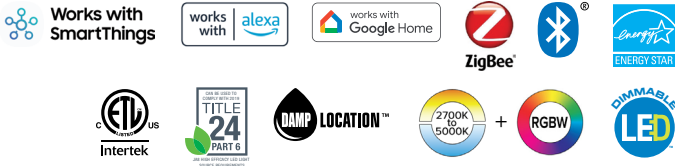


RetroBasics™ RB4AC RGBW

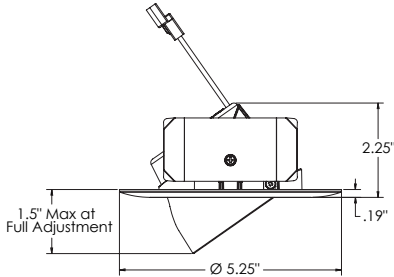
4" Smart LED Adjustable Trim Kit

Project:
Fixture Type:
Location:
Contact/Phone:

RB4AC RGBW Series



Dimensions



Specifications

- Aperture: 2.88"
- Ceiling opening: 4.25"
- Overlap trim: 5.25"
- Height: 2.25"
- Vertical Adjustment: 35°

Performance

Delivered Lumens	Up to 687 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 adjustable 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 RGB for full color spectrum options, dimming to set the mood, and grouping to control an entire lighting application at once.

The Smart Adjustable 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.

This LED adjustable module is designed to work in 4" housings and can be used for accent lighting and wall washing in any room.

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

- Direct set-up with or without a hub^{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
 - Robust die cast aluminum trim for years of trouble free operation
 - Flood optic provided as standard
 - Adjustable gimbal design provides 35° vertical aiming
- 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 with 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 SmartThings hub.
- 2 For integration with Google speakers: 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
- Damp rated: perfect for bathrooms and eaves
- For use with housings installed in IC rated applications (direct contact with insulation)

Other RetroBasics Models Available:

RetroBasics Adjustable and Smart Downlight

RetroBasics Smart Downlight

RetroBasics Switchable Downlight



5/6" Adjustable



4" Downlight



5/6" Downlight



4" Downlight



5/6" Downlight



RetroBasics™ RB4AC RGBW

4" Smart LED Adjustable Trim Kit



ORDERING INFORMATION

4" Downlight

Example: RB4AC RGBW MW M6

Series	Color Temperature	Finish	Options	Packaging
RB4AC RetroBasics 4" Smart LED Adjustable RGBW Trim Kit	RGBW Tunable White (2700K to 5000K) + RGB Colors	MW Matte White	L/SKTWHIP¹ No E26 Adapter (CA only)	M6 Master Pack - Individually Packaged

Notes

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

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 - New Construction Quick Connect LED Housing



IC1FW LEDT24 - Firewall Fire Rated Quick Connect LED Housing





RetroBasics™ RB4AC RGBW

4" Smart LED Adjustable Trim Kit



Specifications/Electrical Data

LED Downlight Retrofit Trim

Cast aluminum trim with matte white gimbal and flange • Up to 35° vertical adjustment • 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

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 687 lumens is equivalent to 65W PAR30 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

ETL certified to US and Canadian safety standards • ENERGY STAR® certified product • Suitable for damp location • 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

RB4AC	
Input Voltage	120V
Input Power Typical	8W (+/-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

680 lumens | 85 lumens per watt

3000K warm white | blanc chaud

687 lumens | 86 lumens per watt

3500K neutral white | blanc neutre

710 lumens | 89 lumens per watt

4000K cool white | blanc froid

700 lumens | 88 lumens per watt

5000K daylight | blanc neutre

658 lumens | 82 lumens per watt

Watts **8**

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



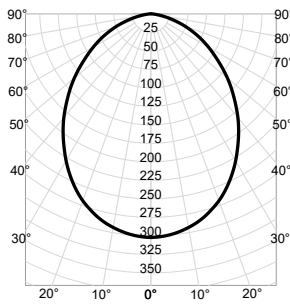
RetroBasics™ RB4AC RGBW

4" Smart LED Adjustable Trim Kit



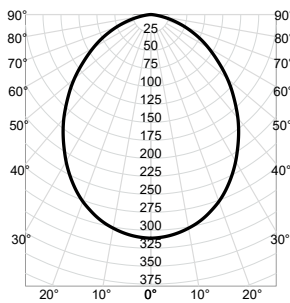
PHOTOMETRICS

RB4AC RGBW MW M6 - 2700K Input Watts: 8.0, Delivered Lumens: 680, LPW: 85.0, S/MH: 1.13, Test No: 22-551-1P1



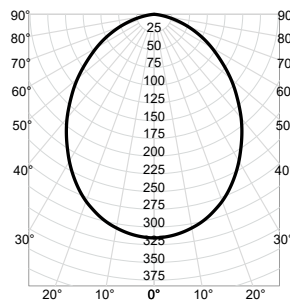
CP Summary		Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf	pc	80%			20%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	0°	45°	85°				
						50%	30%	10%	50%	30%	10%								50%	30%	10%	
0°	0° - 30°	223	33%	0	119	119	119	116	116	116	111	111	111	6.0	8.4	12.7	0°	66,261				
5°	0° - 40°	352	52%	1	106	102	98	103	100	97	99	96	94	8.0	4.7	16.9	45°	49,129				
15°	0° - 60°	574	84%	2	93	87	82	91	86	81	88	83	79	10.0	3.0	21.1	55°	42,432				
25°	0° - 90°	680	100%	3	83	75	69	81	74	68	78	72	67	12.0	2.1	25.4	65°	35,980				
35°	90° - 180°	0	0%	4	74	66	59	72	65	59	70	63	58	14.0	1.5	29.6	75°	25,742				
45°	0° - 180°	680	100%	5	66	58	52	65	57	51	63	56	51				85°	8,580				
55°	111			6	60	52	45	59	51	45	57	50	45									
65°	69			7	55	46	41	54	46	40	52	45	40									
75°	30			8	50	42	36	50	42	36	48	41	36									
85°	3			9	46	38	33	46	38	33	45	38	33									
90°	0			10	43	35	30	42	35	30	41	35	30									

RB4AC RGBW MW M6 - 3000K Input Watts: 8.0, Delivered Lumens: 700, LPW: 87.5, S/MH: 1.13, Test No: 22-551-1P2



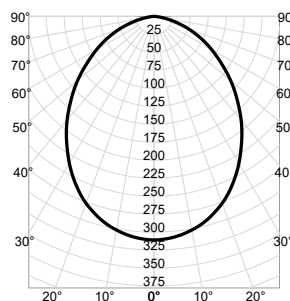
CP Summary		Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf	pc	80%			20%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	0° <th rowspan="2">45° <th rowspan="2">85°</th> </th>	45° <th rowspan="2">85°</th>	85°				
						50%	30%	10%	50%	30%	10%								50%	30%	10%	
0°	0° - 30°	230	33%	0	119	119	119	116	116	116	111	111	111	6.0	8.6	12.7	0°	68,210				
5°	0° - 40°	362	52%	1	106	102	98	103	100	97	99	96	94	8.0	4.9	16.9	45°	50,574				
15°	0° - 60°	591	84%	2	93	87	82	91	86	81	88	83	79	10.0	3.1	21.1	55°	43,680				
25°	0° - 90°	700	100%	3	83	75	69	81	74	68	78	72	67	12.0	2.2	25.4	65°	37,038				
35°	90° - 180°	0	0%	4	74	66	59	72	65	59	70	63	58	14.0	1.6	29.6	75°	26,499				
45°	0° - 180°	700	100%	5	66	58	52	65	57	51	63	56	51				85°	8,833				
55°	114			6	60	52	45	59	51	45	57	50	45									
65°	71			7	55	46	41	54	46	40	52	45	40									
75°	31			8	50	42	36	50	42	36	48	41	36									
85°	4			9	46	38	33	46	38	33	45	38	33									
90°	0			10	43	35	30	42	35	30	41	35	30									

RB4AC RGBW MW M6 - 3500K Input Watts: 8.0, Delivered Lumens: 710, LPW: 88.8, S/MH: 1.13, Test No: 22-551-1P3



CP Summary		Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf	pc	80%			20%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	0° <th rowspan="2">45° <th rowspan="2">85°</th> </th>	45° <th rowspan="2">85°</th>	85°				
						50%	30%	10%	50%	30%	10%								50%	30%	10%	
0°	0° - 30°	233	33%	0	119	119	119	116	116	116	111	111	111	6.0	8.8	12.7	0°	69,185				
5°	0° - 40°	368	52%	1	106	102	98	103	100	97	99	96	94	8.0	4.9	16.9	45°	51,297				
15°	0° - 60°	599	84%	2	93	87	82	91	86	81	88	83	79	10.0	3.2	21.1	55°	44,304				
25°	0° - 90°	710	100%	3	83	75	69	81	74	68	78	72	67	12.0	2.2	25.4	65°	37,567				
35°	90° - 180°	0	0%	4	74	66	59	72	65	59	70	63	58	14.0	1.6	29.6	75°	26,877				
45°	0° - 180°	710	100%	5	66	58	52	65	57	51	63	56	51				85°	8,959				
55°	116			6	60	52	45	59	51	45	57	50	45									
65°	72			7	55	46	41	54	46	40	52	45	40									
75°	32			8	50	42	36	50	42	36	48	41	36									
85°	4			9	46	38	33	46	38	33	45	38	33									
90°	0			10	43	35	30	42	35	30	41	35	30									

RB4AC RGBW MW M6 - 4000K Input Watts: 8.0, Delivered Lumens: 700, LPW: 87.5, S/MH: 1.13, Test No: 22-551-1P4



CP Summary		Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf	pc	80%			20%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	0° <th rowspan="2">45° <th rowspan="2">85°</th> </th>	45° <th rowspan="2">85°</th>	85°				
						50%	30%	10%	50%	30%	10%								50%	30%	10%	
0°	0° - 30°	230	33%	0	119	119	119	116	116	116	111	111	111	6.0	8.6	12.7	0°	68,210				
5°	0° - 40°	362	52%	1	106	102	98	103	100	97	99	96	94	8.0	4.9	16.9	45°	50,574				
15°	0° - 60°	591	84%	2	93	87	82	91	86	81	88	83	79	10.0	3.1	21.1	55°	43,680				
25°	0° - 90°	700	100%	3	83	75	69	81	74	68	78	72	67	12.0	2.2	25.4	65°	37,038				
35°	90° - 180°	0	0%	4	74	66	59	72	65	59	70	63	58	14.0	1.6	29.6	75°	26,499				
45°	0° - 180°	700	100%	5	66	58	52	65	57	51	63	56	51				85°	8,833				
55°	114			6	60	52	45	59	51	45	57	50	45									
65°	71			7	55	46	41	54	46	40	52	45	40									
75°	31			8	50	42	36	50	42	36	48	41	36									
85°	4			9	46	38	33	46	38	33	45	38	33									
90°	0			10	43	35	30	42	35	30	41	35	30									



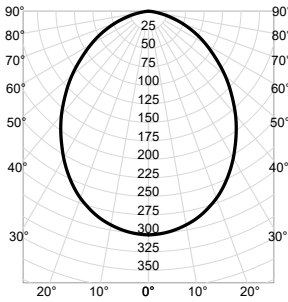
RetroBasics™ RB4AC RGBW

4" Smart LED Adjustable Trim Kit



PHOTOMETRICS

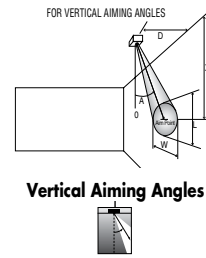
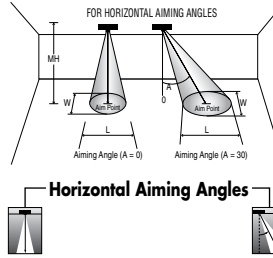
RB4AC RGBW MW M6 - 5000K Input Watts: 8.0, Delivered Lumens: 680, LPW: 85.0, S/MH: 1.13, Test No: 22-551-1P5



CP Summary	Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
	0°	Zone	Lumens	% Fixture	pw	80%		70%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	0°	85°		
						50%	30%	10%	50%	30%	10%							50%	30%
0°	302	0° - 30°	223	33%	0	119	119	119	116	116	116	111	111	111	6.0	8.4	12.7	0°	66,261
5°	300	0° - 40°	352	52%	1	106	102	98	103	100	97	99	96	94	8.0	4.7	16.9	45°	49,129
15°	283	0° - 60°	574	84%	2	93	87	82	91	86	81	88	83	79	10.0	3.0	21.1	55°	42,432
25°	250	0° - 90°	680	100%	3	83	75	69	81	74	68	78	72	67	12.0	2.1	25.4	65°	35,980
35°	206	90° - 180°	0	0%	4	74	66	59	72	65	59	70	63	58	14.0	1.5	29.6	75°	25,742
45°	158	0° - 180°	680	100%	5	66	58	52	65	57	51	63	56	51				85°	8,580
55°	111				6	60	52	45	59	51	45	57	50	45					
65°	69				7	55	46	41	54	46	40	52	45	40					
75°	30				8	50	42	36	50	42	36	48	41	36					
85°	3				9	46	38	33	46	38	33	45	38	33					
90°	0				10	43	35	30	42	35	30	41	35	30					

CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



FIXTURE	BEAM SPREAD°	CBCP	0°				30°			30°				
			MH	FC	L	W	FC	L	W	D	FC	X	L	W
RB4AC RGBW MW M6 - 3000K	93°	328	3	35	6.3	6.3	23	13.5	7.3	1	41	1.7	*	4.2
			4	19	8.5	8.5	13	18.0	9.8	2	10	3.5	*	8.5
			5	12	10.6	10.6	8	22.5	12.2	3	4	5.2	*	12.7
			6	9	12.7	12.7	6	26.9	14.6	4	3	6.9	*	16.9
			7	6	14.8	14.8	4	31.5	17.1	5	2	8.7	*	21.2

*Covers full length of wall based on typical mounting heights of 8-12 feet.



RetroBasics™ RB56AC RGBW

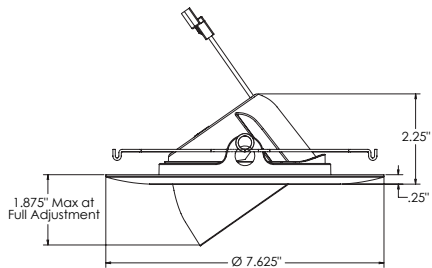
5/6" Smart LED Adjustable Trim Kit

Project:
Fixture Type:
Location:
Contact/Phone:

RB56AC RGBW Series



Dimensions



Specifications

- Aperture: 3.88"
- Ceiling opening: 5.25"
- Overlap trim: 7.625"
- Height: 2.5"
- Vertical Adjustment: 35°

Performance

Delivered Lumens	Up to 850 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 adjustable 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 RGB for full color spectrum options, dimming to set the mood, and grouping to control an entire lighting application at once.

The Smart Adjustable 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.

This LED adjustable module is designed to work in both 5" and 6" housings and can be used for accent lighting and wall washing in any room.

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

- Direct set-up with or without a hub^{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
- Robust die cast aluminum trim for years of trouble free operation
- Flood optic provided as standard
- Adjustable gimbal design provides 35° vertical aiming

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 with 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 SmartThings hub.
- 2 For integration with Google speakers: 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
- Damp rated: perfect for bathrooms and eaves
- For use with housings installed in IC rated applications (direct contact with insulation)

Other RetroBasics Models Available:

RetroBasics Adjustable and Smart Downlight



4" Adjustable

RetroBasics Smart Downlight



4" Downlight



5/6" Downlight

RetroBasics Switchable Downlight



4" Downlight



5/6" Downlight



RetroBasics™ RB56AC RGBW

5/6" Smart LED Adjustable Trim Kit



ORDERING INFORMATION

5/6" Downlight

Example: RB56AC RGBW MW M6

Series	Color Temperature	Finish	Options	Packaging
RB56AC RetroBasics 5/6" Smart LED Adjustable RGBW Trim Kit	RGBW Tunable White (2700K to 5000K) + RGB Colors	MW Matte White	L/SKTWHIP¹ No E26 Adapter (CA only)	M6 Master Pack - Individually Packaged

Notes

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

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 - New Construction Quick Connect LED Housing





RetroBasics™ RB56AC RGBW

5/6" Smart LED Adjustable Trim Kit



Specifications/Electrical Data

LED Downlight Retrofit Trim

Cast aluminum trim with matte white gimbal and flange • Up to 35° vertical adjustment • 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

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 780 nominal lumens is equivalent to 75W PAR30 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

ETL certified to US and Canadian safety standards • ENERGY STAR® certified product • Suitable for damp location • 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

RB56AC	
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

850 lumens | 94 lumens per watt

3000K warm white | blanc chaud

871 lumens | 96 lumens per watt

3500K neutral white | blanc neutre

881 lumens | 97 lumens per watt

4000K cool white | blanc froid

851 lumens | 94 lumens per watt

5000K daylight | blanc neutre

821 lumens | 91 lumens per watt

Watts **9**

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



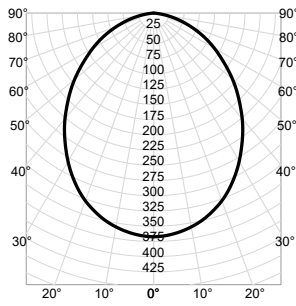
RetroBasics™ RB56AC RGBW

5/6" Smart LED Adjustable Trim Kit



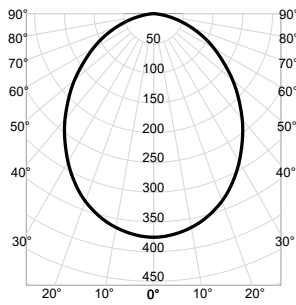
PHOTOMETRICS

RB56AC RGBW MW M6 - 2700K Input Watts: 9.0, Delivered Lumens: 851, LPW: 94.6, S/MH: 1.14, Test No: 22-551-2P1



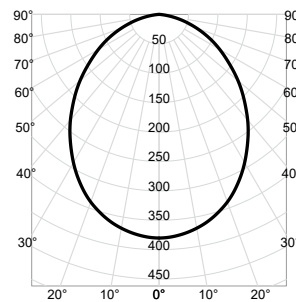
CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)
0°	Zone	Lumens	% Fixture	pf	pc	80%		20%		70%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
						50%	30%	10%	50%	30%	10%	50%	30%					10%	
0°	0° - 30°	273	32%	0	119	119	119	116	116	116	111	111	111	6.0	10.2	13.1	0° 46,228		
5°	0° - 40°	431	51%	1	105	101	98	103	100	96	99	96	93	8.0	5.7	17.4	45° 35,137		
15°	0° - 60°	710	83%	2	93	86	81	91	85	80	87	82	78	10.0	3.7	21.8	55° 30,856		
25°	0° - 90°	851	100%	3	82	74	68	81	73	68	78	71	66	12.0	2.6	26.2	65° 26,847		
35°	90° - 180°	0	0%	4	73	65	59	72	64	58	69	63	57	14.0	1.9	30.5	75° 20,524		
45°	0° - 180°	851	100%	5	66	57	51	65	57	51	63	56	50				85° 6,600		
55°		141		6	60	51	45	59	51	45	57	50	44						
65°		90		7	54	46	40	53	45	40	52	45	39						
75°		42		8	50	41	36	49	41	36	48	41	35						
85°		5		9	46	38	32	45	38	32	44	37	32						
90°		0		10	42	35	30	42	34	29	41	34	29						

RB56AC RGBW MW M6 - 3000K Input Watts: 9.0, Delivered Lumens: 871, LPW: 96.8, S/MH: 1.14, Test No: 22-551-2P2



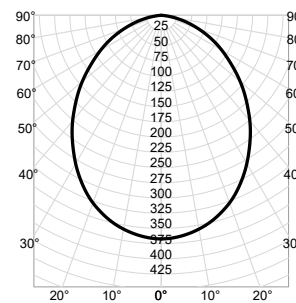
CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)
0°	Zone	Lumens	% Fixture	pf	pc	80%		20%		70%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
						50%	30%	10%	50%	30%	10%	50%	30%					10%	
0°	0° - 30°	279	32%	0	119	119	119	116	116	116	111	111	111	6.0	10.4	13.1	0° 47,316		
5°	0° - 40°	441	51%	1	105	101	98	103	100	96	99	96	93	8.0	5.9	17.4	45° 35,964		
15°	0° - 60°	726	83%	2	93	86	81	91	85	80	87	82	78	10.0	3.8	21.8	55° 31,582		
25°	0° - 90°	871	100%	3	82	74	68	81	73	68	78	71	66	12.0	2.6	26.2	65° 27,478		
35°	90° - 180°	0	0%	4	73	65	59	72	64	58	69	63	57	14.0	1.9	30.5	75° 21,006		
45°	0° - 180°	871	100%	5	66	57	51	65	57	51	63	56	50				85° 6,756		
55°		144		6	60	51	45	59	51	45	57	50	44						
65°		92		7	54	46	40	53	45	40	52	45	39						
75°		43		8	50	41	36	49	41	36	48	41	35						
85°		5		9	46	38	32	45	38	32	44	37	32						
90°		0		10	42	35	30	42	34	29	41	34	29						

RB56AC RGBW MW M6 - 3500K Input Watts: 9.0, Delivered Lumens: 881, LPW: 97.9, S/MH: 1.14, Test No: 22-551-2P3



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		
						50%	30%	10%	50%	30%	10%	50%	30%					10%	
0°	0° - 30°	282	32%	0	119	119	119	116	116	116	111	111	111	6.0	10.6	13.1	0° 47,860		
5°	0° - 40°	447	51%	1	105	101	98	103	100	96	99	96	93	8.0	5.9	17.4	45° 36,378		
15°	0° - 60°	735	83%	2	93	86	81	91	85	80	87	82	78	10.0	3.8	21.8	55° 31,945		
25°	0° - 90°	881	100%	3	82	74	68	81	73	68	78	71	66	12.0	2.6	26.2	65° 27,794		
35°	90° - 180°	0	0%	4	73	65	59	72	64	58	69	63	57	14.0	1.9	30.5	75° 21,248		
45°	0° - 180°	881	100%	5	66	57	51	65	57	51	63	56	50				85° 6,833		
55°		146		6	60	51	45	59	51	45	57	50	44						
65°		93		7	54	46	40	53	45	40	52	45	39						
75°		44		8	50	41	36	49	41	36	48	41	35						
85°		5		9	46	38	32	45	38	32	44	37	32						
90°		0		10	42	35	30	42	34	29	41	34	29						

RB56AC RGBW MW M6 - 4000K Input Watts: 9.0, Delivered Lumens: 851, LPW: 94.6, S/MH: 1.14, Test No: 22-551-2P4



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		
						50%	30%	10%	50%	30%	10%	50%	30%					10%	
0°	0° - 30°	273	32%	0	119	119	119	116	116	116	111	111	111	6.0	10.2	13.1	0° 46,228		
5°	0° - 40°	431	51%	1	105	101	98	103	100	96	99	96	93	8.0	5.7	17.4	45° 35,137		
15°	0° - 60°	710	83%	2	93	86	81	91	85	80	87	82	78	10.0	3.7	21.8	55° 30,856		
25°	0° - 90°	851	100%	3	82	74	68	81	73	68	78	71	66	12.0	2.6	26.2	65° 26,847		
35°	90° - 180°	0	0%	4	73	65	59	72	64	58	69	63	57	14.0	1.9	30.5	75° 20,524		
45°	0° - 180°	851	100%	5	66	57	51	65	57	51	63	56	50				85° 6,600		
55°		141		6	60	51	45	59	51	45	57	50	44						
65°		90		7	54	46	40	53	45	40	52	45	39						
75°		42		8	50	41	36	49	41	36	48	41	35						
85°		5		9	46	38	32	45	38	32	44	37	32						
90°		0		10	42	35	30	42	34	29	41	34	29						



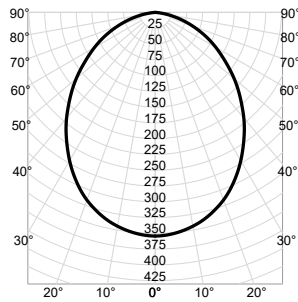
RetroBasics™ RB56AC RGBW

5/6" Smart LED Adjustable Trim Kit



PHOTOMETRICS

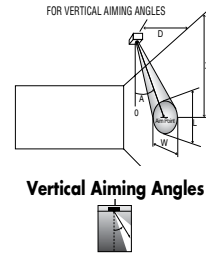
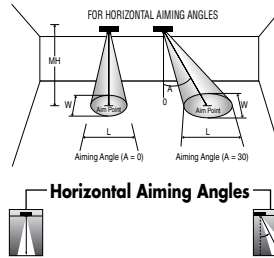
RB56AC RGBW MW M6 - 5000K Input Watts: 9.0, Delivered Lumens: 821, LPW: 91.2, S/MH: 1.14, Test No: 22-551-2P5



CP Summary	Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
	0°	Zone	Lumens	% Fixture	pf pc	80%				70%				50%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
						pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
0°	354	0° - 30°	263	32%	0	119	119	119	116	116	116	111	111	111	6.0	9.8	13.1	0°	44,597		
5°	351	0° - 40°	416	51%	1	105	101	98	103	100	96	99	96	93	8.0	5.5	17.4	45°	33,897		
15°	332	0° - 60°	685	83%	2	93	86	81	91	85	80	87	82	78	10.0	3.5	21.8	55°	29,767		
25°	295	0° - 90°	821	100%	3	82	74	68	81	73	68	78	71	66	12.0	2.5	26.2	65°	25,899		
35°	245	90° - 180°	0	0%	4	73	65	59	72	64	58	69	63	57	14.0	1.8	30.5	75°	19,799		
45°	190	0° - 180°	821	100%	5	66	57	51	65	57	51	63	56	50	Beam Angle: 95.0°			85°	6,367		
55°	136				6	60	51	45	59	51	45	57	50	44	Field Angle: 152.5°						
65°	87				7	54	46	40	53	45	40	52	45	39							
75°	41				8	50	41	36	49	41	36	48	41	35							
85°	4				9	46	38	32	45	38	32	44	37	32							
90°	0				10	42	35	30	42	34	29	41	34	29							

CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



FIXTURE	BEAM SPREAD°	CBCP	0°				30°			30°				
			MH	FC	L	W	FC	L	W	D	FC	X	L	W
RB56AC RGBW MW M6 - 3000K	95°	379	3	41	6.5	6.5	26	14.4	7.5	1	48	1.7	*	4.3
			4	23	8.7	8.7	15	19.2	10.1	2	11	3.5	*	8.7
			5	15	10.9	10.9	10	24.1	12.6	3	5	5.2	*	13.1
			6	10	13.1	13.1	7	28.8	15.1	4	3	6.9	*	17.4
			7	7	15.3	15.3	5	33.6	17.6	5	2	8.7	*	21.9

*Covers full length of wall based on typical mounting heights of 8-12 feet.

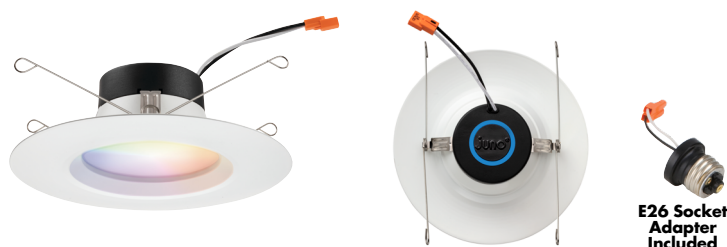


RetroBasics™ RB56SC RGBW

5/6" Smart LED Trim Kit

Project:
Fixture Type:
Location:
Contact/Phone:

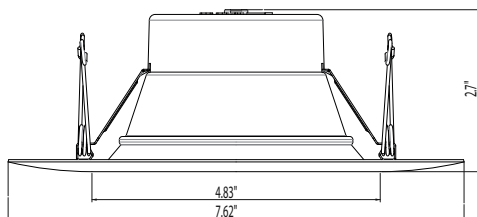
RB56SC RGBW Series



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.

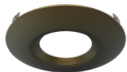
ACCESSORIES

TRIM INSERTS (for field configuration; ordered separately)

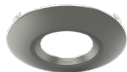
Series	Finish	Packaging
RB56TRIM 5/6" Baffle	MB Matte Black	R6 Retail Pack of 6 Units
RB56STRIM 5/6" Smooth	BRZ Bronze	
	SNP Satin Nickel Paint	



MB baffle



BRZ baffle



SNP baffle



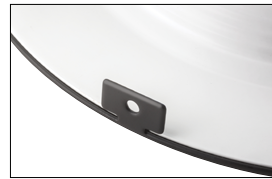
MB smooth



BRZ smooth



SNP smooth



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

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)

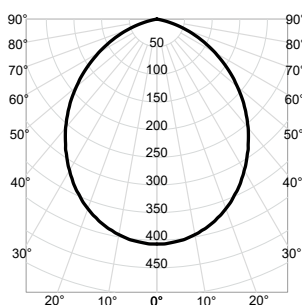


RetroBasics™ RB56SC RGBW

5/6" Smart LED Trim Kit

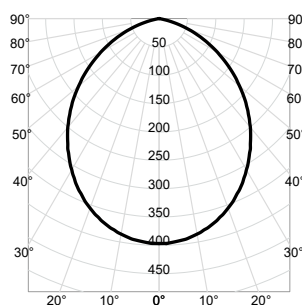
PHOTOMETRICS

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



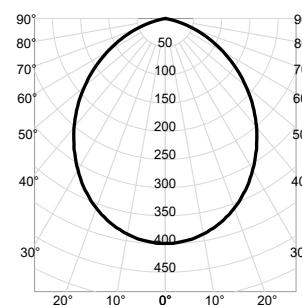
CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
0°	0° - 30°	304	33%	0	119	119	119	116	116	116	111	111	111	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	95	95	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	80	80	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	69	69	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	59	59	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	52	52	52				85°	0			
55°	156			6	61	53	47	60	52	46	58	51	46	46	46	46								
65°	88			7	56	47	41	55	47	41	53	46	41	41	41	41								
75°	26			8	51	43	37	50	43	37	49	42	37	37	37	37								
85°	0			9	47	39	34	46	39	34	45	38	33	33	33	33								
90°	0			10	43	36	31	43	36	31	42	35	31	31	31	31								

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



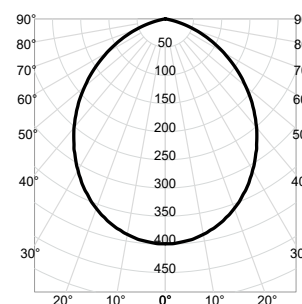
CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
0°	0° - 30°	296	33%	0	119	119	119	116	116	116	111	111	111	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	95	95	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	80	80	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	69	69	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	59	59	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	52	52	52				85°	0			
55°	152			6	61	53	47	60	52	46	58	51	46	46	46	46								
65°	86			7	56	47	41	55	47	41	53	46	41	41	41	41								
75°	25			8	51	43	37	50	43	37	49	42	37	37	37	37								
85°	0			9	47	39	34	46	39	34	45	38	33	33	33	33								
90°	0			10	43	36	31	43	36	31	42	35	31	31	31	31								

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	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
0°	0° - 30°	298	33%	0	119	119	119	116	116	116	111	111	111	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	95	95	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	80	80	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	69	69	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	59	59	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	52	52	52				85°	0			
55°	153			6	61	53	47	60	52	46	58	51	46	46	46	46								
65°	86			7	56	47	41	55	47	41	53	46	41	41	41	41								
75°	25			8	51	43	37	50	43	37	49	42	37	37	37	37								
85°	0			9	47	39	34	46	39	34	45	38	33	33	33	33								
90°	0			10	43	36	31	43	36	31	42	35	31	31	31	31								

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	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance				
0°	0° - 30°	298	33%	0	119	119	119	116	116	116	111	111	111	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	95	95	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	80	80	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	69	69	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	59	59	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	52	52	52				85°	0			
55°	153			6	61	53	47	60	52	46	58	51	46	46	46	46								
65°	86			7	56	47	41	55	47	41	53	46	41	41	41	41								
75°	25			8	51	43	37	50	43	37	49	42	37	37	37	37								
85°	0			9	47	39	34	46	39	34	45	38	33	33	33	33								
90°	0			10	43	36	31	43	36	31	42	35	31	31	31	31								

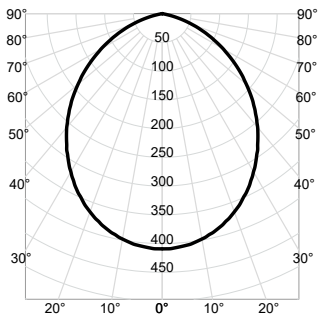


RetroBasics™ RB56SC RGBW

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°