



RetroBasics™ LED Downlight Retrofit

4" Switchable White LED Retrofit Module

Project:
Fixture Type:
Location:
Contact/Phone:

RB4 / RB4S SWW5 Series



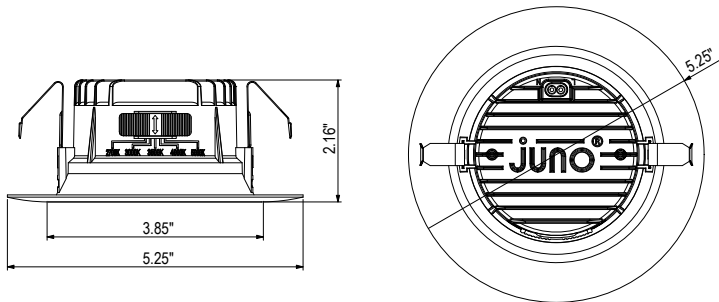
RB4



RB4S



Dimensions



Specifications

Aperture: 3.85"
 Ceiling opening: 4.25"
 Overlap trim: 5.25"
 Height: 2.16"

Product Features

RetroBasics LED retrofits provide the most economical solution for efficiently lighting a space using LED technology with virtually zero maintenance. This 4" LED downlight module can be used to provide general illumination in any room. Use as a retrofit 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.

Easily change your LED color temperature directly on the trim

- Switchable white technology provides the flexibility to choose between 5 different LED color temperatures
- Tactile slider switch integrated into trim allows for easy color selectability
- Switch factory preset at 3000K CCT

Practical, functional design

- Non-conductive thermal plastic trim ideal for dead front applications
- Low profile construction optimized for wider fixture spacings
- Baffle and smooth trim options available offering a choice of traditional or more modern aesthetic

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

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 outdoor soffits
- For use with housings installed in IC rated applications (direct contact with insulation)

Performance

Delivered Lumens	Up to 625 lumens nominal
LED Color Temperature	Switchable White (2700K, 3000K, 3500K, 4000K, 5000K) Default set at 3000K
CRI	90+
Voltage	Dedicated 120 VAC
Dimming	Dimmable flicker-free dimming from 100% to 10%

For a list of compatible dimmers see [JUNORBSERIES-DIM](#)

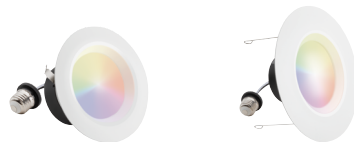
Other RetroBasics Models Available:

RetroBasics Downlight



5/6" Downlight

RetroBasics Downlight Juno Connect



4" Downlight

5/6" Downlight

RetroBasics Adjustable Switchable and JunoConnect



4" Adjustable

5/6" Adjustable



RetroBasics™ LED Downlight Retrofit

4" Switchable White LED Retrofit Module

ORDERING INFORMATION

4" Downlight

Example: RB4S SWW5 MW M6

Series	Color Temperature	Finish	Packaging
RB4 RetroBasics 4" Baffle	SWW5 Switchable White (2700K, 3000K, 3500K, 4000K, 5000K)	MW Matte White	M6 Master Pack - individually boxed
RB4S RetroBasics 4" Smooth			

Additional Ordering Options:

Contractor Packs available by ordering as the following:

Baffle 6 pack: RB4 SWW5 CP6 MW M2

Smooth 6 pack: RB4S SWW5 CP6 MW M2

Contractor Pack (CP6) Ordering Examples:

Example 1: Ordered in Qty of 1

Ordered Line: Qty: 1 RB4 SWW5 CP6 MW M2

*Will receive 1 box with 6 units not individually packaged

Example 2: Ordered in Qty of 2

Ordered Line: Qty: 2 RB4 SWW5 CP6 MW M2

*Will receive 1 master carton that includes 2 separate boxes with 6 units in each box not individually packaged

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™ LED Downlight Retrofit

4" Switchable White LED Retrofit Module

Specifications/Electrical Data

LED Downlight Retrofit Trim

Molded thermal plastic housing with non-conductive trim frame offered in baffle or smooth 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

LED Light Engine

LEDs are mounted directly to housing providing superior thermal management to ensure long life • Switchable white LED color temperature technology offers 2700K, 3000K, 3500K, 4000K, 5000K all in one trim • Switch factory set at 3000K • 90 CRI minimum • Accommodates 120 volts AC at 60Hz • Dimmable with most standard incandescent, magnetic low voltage and electronic low voltage dimmers • For a list of compatible dimmers, see [JUNORBSERIES-DIM](#).

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 625 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 • 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 • T20 Certified.

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

	RB4 /RB4S
Input Voltage	120V
Input Power Typical	7.2W (+/-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	
609 lumens 85 lumens per watt	
3000K warm white blanc chaud	
618 lumens 86 lumens per watt	
3500K neutral white blanc neutre	
625 lumens 87 lumens per watt	
4000K cool white blanc froid	
622 lumens 86 lumens per watt	
5000K daylight blanc neutre	
606 lumens 84 lumens per watt	
Watts	7.2
Color Accuracy (CRI) Précision des couleurs (CRI)	90

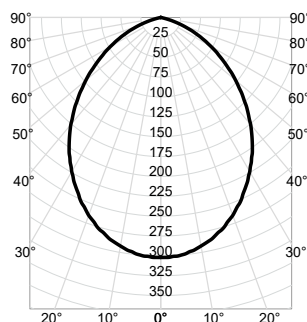


RetroBasics™ LED Downlight Retrofit

4" Switchable White LED Retrofit Module

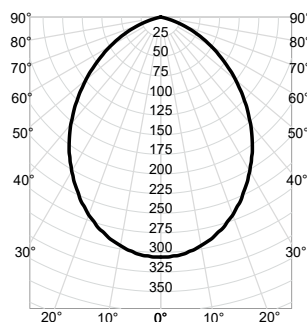
PHOTOMETRICS

RB4 SWW5 MW M6 - 2700K Input Watts: 7.2, Delivered Lumens: 609, LPW: 84.6, S/MH: 1.11, Test No: 80119811-001P1



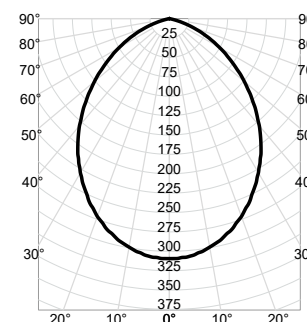
CP Summary		Zonal Lumen Summary		Coefficients of Utilization							Cone of Light			Luminance (cd/sq.m)				
	0°	Zone	Lumens % Fixture	pf	80%		20%		50%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance			
				pc	50%	30%	10%	50%	30%	10%	50%					30%	10%	
0°	302	0° - 30°	220 36%	0	119	119	119	116	116	116	111	111	111	6.0	8.4	11.9	0°	39,672
5°	300	0° - 40°	345 57%	1	107	104	101	105	102	99	101	98	96	8.0	4.7	15.8	45°	27,681
15°	280	0° - 60°	547 90%	2	95	90	85	94	88	84	90	86	82	10.0	3.0	19.8	55°	22,215
25°	245	0° - 90°	609 100%	3	85	78	73	84	77	72	81	75	71	12.0	2.1	23.7	65°	15,542
35°	201	90° - 180°	0 0%	4	77	69	63	75	68	62	73	67	62	14.0	1.5	27.7	75°	5,076
45°	149	0° - 180°	609 100%	5	69	61	55	68	61	55	66	59	54				85°	0
55°	97			6	63	55	49	62	54	49	60	53	48	Beam Angle: 89.3°				
65°	50			7	57	49	44	57	49	44	55	48	43	Field Angle: 139.4°				
75°	10			8	53	45	39	52	44	39	51	44	39					
85°	0			9	49	41	36	48	41	36	47	40	35					
90°	0			10	45	38	33	45	37	33	44	37	32					

RB4 SWW5 MW M6 - 3000K Input Watts: 7.2, Delivered Lumens: 617, LPW: 85.7, S/MH: 1.11, Test No: 80119811-001P2



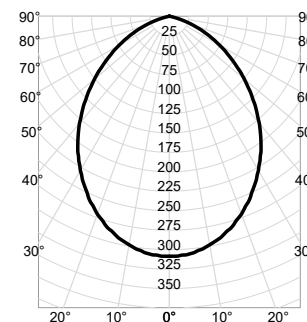
CP Summary		Zonal Lumen Summary		Coefficients of Utilization							Cone of Light			Luminance (cd/sq.m)				
	0°	Zone	Lumens % Fixture	pf	80%		20%		50%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance			
				pc	50%	30%	10%	50%	30%	10%	50%					30%	10%	
0°	306	0° - 30°	223 36%	0	119	119	119	116	116	116	111	111	111	6.0	8.5	11.9	0°	40,193
5°	304	0° - 40°	350 57%	1	107	104	101	105	102	99	101	98	96	8.0	4.8	15.8	45°	28,044
15°	284	0° - 60°	555 90%	2	95	90	85	94	88	84	90	86	82	10.0	3.1	19.8	55°	22,507
25°	248	0° - 90°	617 100%	3	85	78	73	84	77	72	81	75	71	12.0	2.1	23.7	65°	15,746
35°	204	90° - 180°	0 0%	4	77	69	63	75	68	62	73	67	62	14.0	1.6	27.7	75°	5,142
45°	151	0° - 180°	617 100%	5	69	61	55	68	61	55	66	59	54				85°	0
55°	98			6	63	55	49	62	54	49	60	53	48	Beam Angle: 89.3°				
65°	51			7	57	49	44	57	49	44	55	48	43	Field Angle: 139.4°				
75°	10			8	53	45	39	52	44	39	51	44	39					
85°	0			9	49	41	36	48	41	36	47	40	35					
90°	0			10	45	38	33	45	37	33	44	37	32					

RB4 SWW5 MW M6 - 3500K Input Watts: 7.2, Delivered Lumens: 624, LPW: 86.7, S/MH: 1.11, Test No: 80119811-001P3



CP Summary		Zonal Lumen Summary		Coefficients of Utilization							Cone of Light			Luminance (cd/sq.m)				
	0°	Zone	Lumens % Fixture	pf	80%		20%		50%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance			
				pc	50%	30%	10%	50%	30%	10%	50%					30%	10%	
0°	309	0° - 30°	226 36%	0	119	119	119	116	116	116	111	111	111	6.0	8.6	11.9	0°	40,649
5°	307	0° - 40°	354 57%	1	107	104	101	105	102	99	101	98	96	8.0	4.8	15.8	45°	28,362
15°	287	0° - 60°	561 90%	2	95	90	85	94	88	84	90	86	82	10.0	3.1	19.8	55°	22,763
25°	251	0° - 90°	624 100%	3	85	78	73	84	77	72	81	75	71	12.0	2.1	23.7	65°	15,924
35°	206	90° - 180°	0 0%	4	77	69	63	75	68	62	73	67	62	14.0	1.6	27.7	75°	5,201
45°	153	0° - 180°	624 100%	5	69	61	55	68	61	55	66	59	54				85°	0
55°	99			6	63	55	49	62	54	49	60	53	48	Beam Angle: 89.3°				
65°	51			7	57	49	44	57	49	44	55	48	43	Field Angle: 139.4°				
75°	10			8	53	45	39	52	44	39	51	44	39					
85°	0			9	49	41	36	48	41	36	47	40	35					
90°	0			10	45	38	33	45	37	33	44	37	32					

RB4 SWW5 MW M6 - 4000K Input Watts: 7.2, Delivered Lumens: 622, LPW: 86.4, S/MH: 1.11, Test No: 80119811-001P4



CP Summary		Zonal Lumen Summary		Coefficients of Utilization							Cone of Light			Luminance (cd/sq.m)				
	0°	Zone	Lumens % Fixture	pf	80%		20%		50%			Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance			
				pc	50%	30%	10%	50%	30%	10%	50%					30%	10%	
0°	308	0° - 30°	225 36%	0	119	119	119	116	116	116	111	111	111	6.0	8.6	11.9	0°	40,519
5°	306	0° - 40°	353 57%	1	107	104	101	105	102	99	101	98	96	8.0	4.8	15.8	45°	28,272
15°	286	0° - 60°	559 90%	2	95	90	85	94	88	84	90	86	82	10.0	3.1	19.8	55°	22,690
25°	250	0° - 90°	622 100%	3	85	78	73	84	77	72	81	75	71	12.0	2.1	23.7	65°	15,873
35°	205	90° - 180°	0 0%	4	77	69	63	75	68	62	73	67	62	14.0	1.6	27.7	75°	5,184
45°	152	0° - 180°	622 100%	5	69	61	55	68	61	55	66	59	54				85°	0
55°	99			6	63	55	49	62	54	49	60	53	48	Beam Angle: 89.3°				
65°	51			7	57	49	44	57	49	44	55	48	43	Field Angle: 139.4°				
75°	10			8	53	45	39	52	44	39	51	44	39					
85°	0			9	49	41	36	48	41	36	47	40	35					
90°	0			10	45	38	33	45	37	33	44	37	32					

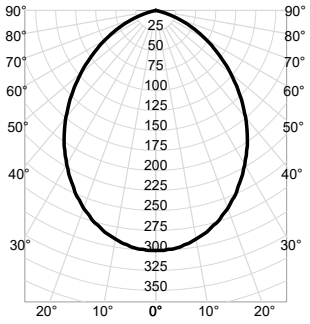


RetroBasics™ LED Downlight Retrofit

4" Switchable White LED Retrofit Module

PHOTOMETRICS

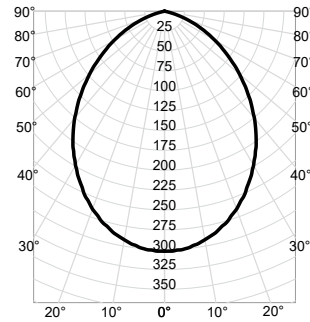
RB4 SWW5 MW M6 - 5000K Input Watts: 7.2, Delivered Lumens: 605, LPW: 84.0, S/MH: 1.11, Test No: 80119811- 001P5



CP Summary		Zonal Lumen Summary		Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)			
0°	Zone	Lumens	% Fixture	pf	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
				pc	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%				
0°	0° - 30°	219	36%		0	119	119	119	116	116	116	111	111	111	6.0	8.3	11.9	0° 39,411
5°	0° - 40°	343	57%		1	107	104	101	105	102	99	101	98	96	8.0	4.7	15.8	45° 27,499
15°	0° - 60°	544	90%		2	95	90	85	94	88	84	90	86	82	10.0	3.0	19.8	55° 22,070
25°	0° - 90°	605	100%		3	85	78	73	84	77	72	81	75	71	12.0	2.1	23.7	65° 15,440
35°	90° - 180°	0	0%		4	77	69	63	75	68	62	73	67	62	14.0	1.5	27.7	75° 5,042
45°	0° - 180°	605	100%		5	69	61	55	68	61	55	66	59	54				85° 0
55°	96				6	63	55	49	62	54	49	60	53	48				
65°	50				7	57	49	44	57	49	44	55	48	43				
75°	10				8	53	45	39	52	44	39	51	44	39				
85°	0				9	49	41	36	48	41	36	47	40	35				
90°	0				10	45	38	33	45	37	33	44	37	32				

Beam Angle: 89.3°
Field Angle: 139.4°

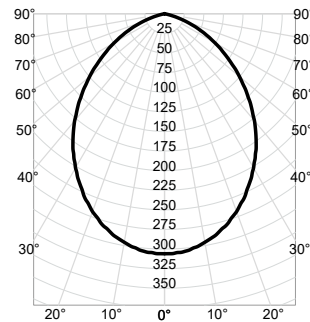
RB4S SWW5 MW M6 - 2700K Input Watts: 7.2, Delivered Lumens: 609, LPW: 84.6, S/MH: 1.11, Test No: 80119811- 001PA1



CP Summary		Zonal Lumen Summary		Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)			
0°	Zone	Lumens	% Fixture	pf	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
				pc	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%				
0°	0° - 30°	220	36%		0	119	119	119	116	116	116	111	111	111	6.0	8.4	11.9	0° 39,672
5°	0° - 40°	345	57%		1	107	104	101	105	102	99	101	98	96	8.0	4.7	15.8	45° 28,044
15°	0° - 60°	547	90%		2	95	90	85	94	88	84	90	86	82	10.0	3.0	19.8	55° 22,215
25°	0° - 90°	609	100%		3	85	78	73	84	77	72	81	75	71	12.0	2.1	23.7	65° 15,542
35°	90° - 180°	0	0%		4	77	69	63	75	68	62	73	67	62	14.0	1.5	27.7	75° 5,076
45°	0° - 180°	609	100%		5	69	61	55	68	61	55	66	59	54				85° 0
55°	97				6	63	55	49	62	54	49	60	53	48				
65°	50				7	57	49	44	57	49	44	55	48	43				
75°	10				8	53	45	39	52	44	39	51	44	39				
85°	0				9	49	41	36	48	41	36	47	40	35				
90°	0				10	45	38	33	45	37	33	44	37	32				

Beam Angle: 89.3°
Field Angle: 139.4°

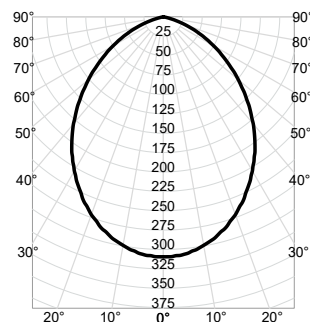
RB4S SWW5 MW M6 - 3000K Input Watts: 7.2, Delivered Lumens: 617, LPW: 85.7, S/MH: 1.11, Test No: 80119811- 001PA2



CP Summary		Zonal Lumen Summary		Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)			
0°	Zone	Lumens	% Fixture	pf	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
				pc	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%				
0°	0° - 30°	223	36%		0	119	119	119	116	116	116	111	111	111	6.0	8.5	11.9	0° 40,193
5°	0° - 40°	350	57%		1	107	104	101	105	102	99	101	98	96	8.0	4.8	15.8	45° 28,044
15°	0° - 60°	555	90%		2	95	90	85	94	88	84	90	86	82	10.0	3.1	19.8	55° 22,507
25°	0° - 90°	617	100%		3	85	78	73	84	77	72	81	75	71	12.0	2.1	23.7	65° 15,746
35°	90° - 180°	0	0%		4	77	69	63	75	68	62	73	67	62	14.0	1.6	27.7	75° 5,142
45°	0° - 180°	617	100%		5	69	61	55	68	61	55	66	59	54				85° 0
55°	98				6	63	55	49	62	54	49	60	53	48				
65°	51				7	57	49	44	57	49	44	55	48	43				
75°	10				8	53	45	39	52	44	39	51	44	39				
85°	0				9	49	41	36	48	41	36	47	40	35				
90°	0				10	45	38	33	45	37	33	44	37	32				

Beam Angle: 89.3°
Field Angle: 139.4°

RB4S SWW5 MW M6 - 3500K Input Watts: 7.2, Delivered Lumens: 624, LPW: 86.7, S/MH: 1.11, Test No: 80119811- 001PA3



CP Summary		Zonal Lumen Summary		Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)			
0°	Zone	Lumens	% Fixture	pf	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
				pc	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%				
0°	0° - 30°	226	36%		0	119	119	119	116	116	116	111	111	111	6.0	8.6	11.9	0° 40,649
5°	0° - 40°	354	57%		1	107	104	101	105	102	99	101	98	96	8.0	4.8	15.8	45° 28,362
15°	0° - 60°	561	90%		2	95	90	85	94	88	84	90	86	82	10.0	3.1	19.8	55° 22,763
25°	0° - 90°	624	100%		3	85	78	73	84	77	72	81	75	71	12.0	2.1	23.7	65° 15,924
35°	90° - 180°	0	0%		4	77	69	63	75	68	62	73	67	62	14.0	1.6	27.7	75° 5,201
45°	0° - 180°	624	100%		5	69	61	55	68	61	55	66	59	54				85° 0
55°	99				6	63	55	49	62	54	49	60	53	48				
65°	51				7	57	49	44	57	49	44	55	48	43				
75°	10				8	53	45	39	52	44	39	51	44	39				
85°	0				9	49	41	36	48	41	36	47	40	35				
90°	0				10	45	38	33	45	37	33	44	37	32				

Beam Angle: 89.3°
Field Angle: 139.4°

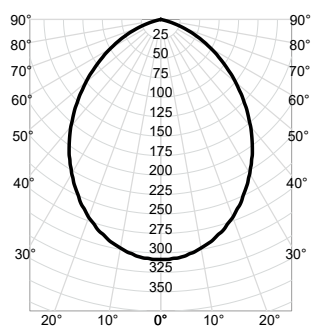


RetroBasics™ LED Downlight Retrofit

4" Switchable White LED Retrofit Module

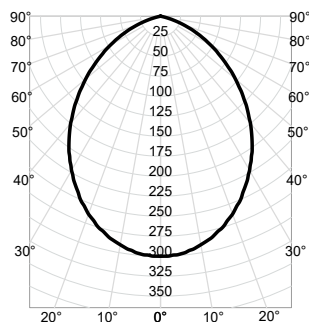
PHOTOMETRICS

RB4S SWW5 MW M6 - 4000K Input Watts: 7.2, Delivered Lumens: 622, LPW: 86.4, S/MH: 1.11, Test No: 80119811- 001PA4



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%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
0°	0° - 30°	225	36%	0	119	119	119	116	116	116	111	111	111	6.0	8.6	11.9	0°	40,519
5°	0° - 40°	353	57%	1	107	104	101	105	102	99	101	98	96	8.0	4.8	15.8	45°	28,272
15°	0° - 60°	559	90%	2	95	90	85	94	88	84	90	86	82	10.0	3.1	19.8	55°	22,690
25°	0° - 90°	622	100%	3	85	78	73	84	77	72	81	75	71	12.0	2.1	23.7	65°	15,873
35°	90° - 180°	0	0%	4	77	69	63	75	68	62	73	67	62	14.0	1.6	27.7	75°	5,184
45°	0° - 180°	622	100%	5	69	61	55	68	61	55	66	59	54	Beam Angle: 89.3°			85°	0
55°	99			6	63	55	49	62	54	49	60	53	48	Field Angle: 139.4°				
65°	51			7	57	49	44	57	49	44	55	48	43					
75°	10			8	53	45	39	52	44	39	51	44	39					
85°	0			9	49	41	36	48	41	36	47	40	35					
90°	0			10	45	38	33	45	37	33	44	37	32					

RB4S SWW5 MW M6 - 5000K Input Watts: 7.2, Delivered Lumens: 605, LPW: 84.0, S/MH: 1.11, Test No: 80119811- 001PA5



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%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
0°	0° - 30°	219	36%	0	119	119	119	116	116	116	111	111	111	6.0	8.3	11.9	0°	39,411
5°	0° - 40°	343	57%	1	107	104	101	105	102	99	101	98	96	8.0	4.7	15.8	45°	27,499
15°	0° - 60°	544	90%	2	95	90	85	94	88	84	90	86	82	10.0	3.0	19.8	55°	22,070
25°	0° - 90°	605	100%	3	85	78	73	84	77	72	81	75	71	12.0	2.1	23.7	65°	15,440
35°	90° - 180°	0	0%	4	77	69	63	75	68	62	73	67	62	14.0	1.5	27.7	75°	5,042
45°	0° - 180°	605	100%	5	69	61	55	68	61	55	66	59	54	Beam Angle: 89.3°			85°	0
55°	96			6	63	55	49	62	54	49	60	53	48	Field Angle: 139.4°				
65°	50			7	57	49	44	57	49	44	55	48	43					
75°	10			8	53	45	39	52	44	39	51	44	39					
85°	0			9	49	41	36	48	41	36	47	40	35					
90°	0			10	45	38	33	45	37	33	44	37	32					