



Saturn LED Flush Mount Series

13" Round & Square and 16" Round & Semi-Flush
Switchable White Flush Mounts

Project:
Fixture Type:
Location:
Contact/Phone:

FMSATL and FMSFSATL Series



FMSATL 13IN RD
Brush Nickel Finish



FMSATL 13IN SQ
Brush Nickel Finish



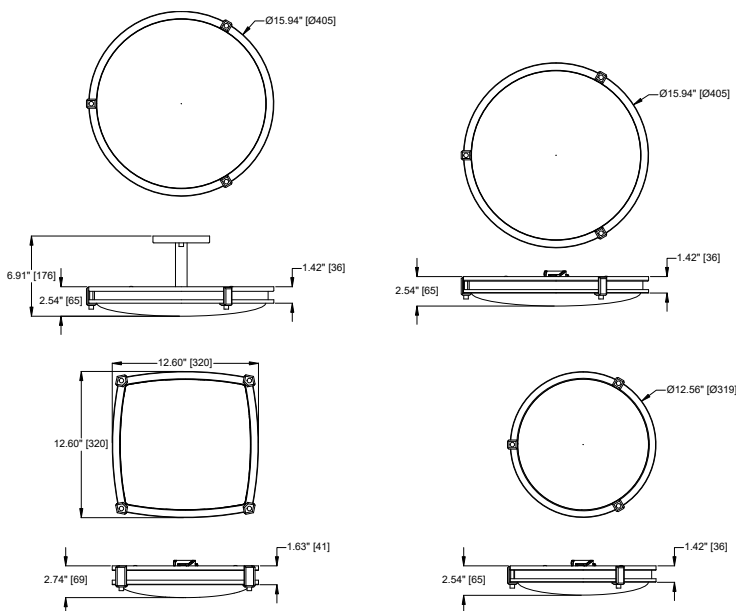
FMSATL 16IN RD
Brush Nickel Finish



FMSFSATL 16IN RD
Brush Nickel Finish



Dimensions



Product Features

The Saturn Flush Mount Series features a sleek low-profile design, an acrylic white lens, and even illumination providing a touch of modern elegance to any application. With five selectable color temperatures ranging from warm (2700K) to daylight (5000K), getting the right look for your space is a breeze. The flush mounts are available in 13" round and square and 16" round housing styles with matte black, brush nickel and bronze finishes to compliment any decorative residential or commercial applications.

Applications

- Installer friendly snap-and-go installation system, saving time and resources
- Residential and light commercial applications including multi-family, hospitality, assisted living, dormitories and other multi-level construction
- Ideal for foyers, hallways, bedrooms, home offices, and kitchens
- Close-to-ceiling, direct wire with mounting hardware and installation instructions included

Performance

Delivered Lumens	13" RD & SQ nominal 1200L at 30K 16" RD nominal 1800L at 30K
LED Color Temperature	2700K/3000K/3500K/4000K/5000K
CRI	90+
Voltage	Dedicated 120V
Dimming	Phase Dimming down to 10%

Specifications

	Width	Depth
FMSATL 13" RD	12.56"	2.54"
FMSATL 13" SQ	12.6"	2.74"
FMSATL 16" RD	15.94"	2.54"
FMSFSATL 16" RD	15.94"	6.91"

All dimensions are inches (centimeters) unless otherwise indicated.



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Brush Nickel Finish



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ORDERING INFORMATION

Saturn Flush Mount

Example: FMSATL 13IN RD SWW5 90CRI 120V MB

	Series	Size	Trim Designation	Color Temperature	CRI	Voltage	Trim Finish
Flush Mount	FMSATL 13" Round Decorative Flush Mount	13IN 13 inches	RD Round	SWW5 2700K/3000K/3500K/4000K/5000K	90CRI 90CRI	120 120V	MB Matte Black
			SQ Square				BZA Antique Bronze
	FMSATL 16" Round Decorative Flush Mount	16IN 16 inches	RD Round	SWW5 2700K/3000K/3500K/4000K/5000K	90CRI 90CRI	120 120V	BN Brushed Nickel
Semi-Flush Mount	FMSFSATL 16" Round Decorative Semi-Flush Mount	16IN 16 inches	RD Round	SWW5 2700K/3000K/3500K/4000K/5000K	90CRI 90CRI	120 120V	MB Matte Black
							BZA Antique Bronze
							BN Brushed Nickel



Matte Black



Brush Nickel



Antique Bronze

JBOX Compatibility

	3-1/2" Octagon Box Steel	4" Drawn Octagon 1-1/2" Deep Steel	4" Round Plastic / New York	4" Round Plastic / New York	4" Dia. Ceiling Box With Bar Plastic / New York
Exterior LxWxH	3.2" x 3.2" x 1.55"	3.54" x 3.54" x 1.55"	4" Dia. x 2.3"	4" Dia. x 2.375"	14.5" x 4.5" x 4"
Mounting Dimension	2.75"	3.5"	2.75" / 3.5"	2.75" / 3.5"	2.75" / 3.5"

Dimmer Compatibility

Forward Phase Dimmers	Reverse Phase Dimmers	Acuity Brands Dimmers
Lutron RadioRa INC Neutral based 120V 1000W/RRD-10ND	Lutron Diva ELV® single pole 120V 300W/DVELV-300P	Acuity SensorSwitch® Forward phase paddle dimmer/WPD WH
Lutron RadioRa 250W Resi Dimmer/RRD-PRO	Lutron Maestro ELV® single pole 120V 600W/MAELV-600	
Lutron Vive Wireless dimmer w/ neutral 120V 600W/MRF2S-6ND	Lutron Vive® Wireless Reverse-phase 120V 600W/MRF2S-6ELV	
Lutron Caseta Wireless in-wall 150W/PD-6WCL	Lutron Caseta® Reverse-Phase 120V 150W/PD-5NE	
Leviton Illumatech® INC single pole 120V 600W/IPL06-10Z		



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Specifications

Construction

Low profile white acrylic diffuser and steel pan • Milky white acrylic, diffuser dome lens conceals the LEDs from direct view and provides uniform lens luminance.

LED Light Engine

LED board mounted directly to steel pan designed to provide superior thermal management and ensure long life • Switchable white LED color temperature technology offers 2700K/3000K/3500K/4000K/5000K all in one flush mount • 90 CRI minimum • Accommodates 120 volts AC at 60Hz.

Electrical Connections

Fixture provided with leads for direct wire connection in JBox.

Installation

Junction Box Mounting

The driverless Saturn Series installs directly into industry standard junction boxes that requires no separate mounting bracket for installation • Compatible boxes include 3-1/2" and 4" octagon junction boxes (1-1/2" minimum depth), round mud rings with 2-3/4" mounting centers, and 3" & 4" diameter non-metallic boxes • Provides fast installation of fully assembled fixture to JBox • Suitable for ceiling mount only.

Life

High performance, long functional life of 50,000 hrs (L70).

Labels

CSA certified to US and Canadian safety standards • Damp location listed at -4-77°F (-20-25°C) • Certified to the high efficacy requirements of California T24 JA8-2022.

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.



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PHOTOMETRICS

Distribution Curve

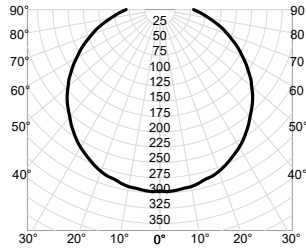
Distribution Data

Output Data

Coefficient of Utilization

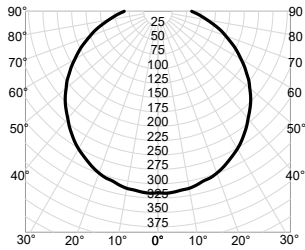
Illuminance Data at 30" Above Floor for a Single Luminaire

FMSATL 13IN RD SWW5 90CRI_27K Input Watts: 18.0, Delivered Lumens: 1192, LPW: 66.2, S/MH: 1.29, Test No: ISF 241276P1



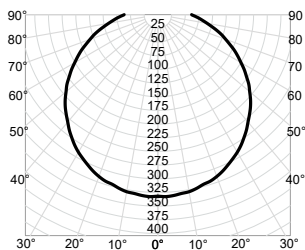
CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance								
					50%	30%	10%	50%	30%	10%	50%	30%					10%							
0°	0° - 30°	235	20%	0	116	116	116	111	111	111	103	103	103	6.0	8.2	22.7	0°	4,236						
5°	0° - 40°	389	33%	1	98	92	88	94	89	85	87	83	80	8.0	4.6	30.3	45°	3,501						
15°	0° - 60°	712	60%	2	84	76	70	81	74	68	75	69	64	10.0	3.0	37.8	55°	3,300						
25°	0° - 90°	1,027	86%	3	73	64	57	70	62	56	65	59	53	12.0	2.1	45.4	65°	3,102						
35°	90° - 180°	164	14%	4	64	55	48	62	53	47	58	50	45	14.0	1.5	52.9	75°	2,941						
45°	0° - 180°	1,192	100%	5	57	48	41	55	46	40	51	44	38				85°	3,011						
55°		177		6	51	42	35	49	41	35	46	39	33	Beam Angle: 124.3°										
65°		138		7	46	37	31	45	36	30	42	35	29	Field Angle: 233.5°										
75°		100		8	42	33	27	41	33	27	38	31	26											
85°		68		9	38	30	24	37	29	24	35	28	23											
90°		55		10	35	27	22	34	27	22	32	26	21											

FMSATL 13IN RD SWW5 90CRI_30K Input Watts: 18.0, Delivered Lumens: 1268, LPW: 70.4, S/MH: 1.29, Test No: ISF 241276P2



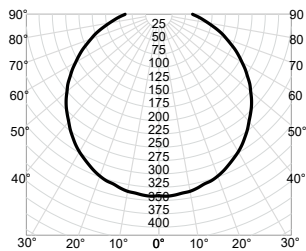
CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance								
					50%	30%	10%	50%	30%	10%	50%	30%					10%							
0°	0° - 30°	250	20%	0	116	116	116	111	111	111	103	103	103	6.0	8.8	22.7	0°	4,506						
5°	0° - 40°	413	33%	1	98	92	88	94	89	85	87	83	80	8.0	4.9	30.3	45°	3,724						
15°	0° - 60°	757	60%	2	84	76	70	81	74	68	75	69	64	10.0	3.2	37.8	55°	3,510						
25°	0° - 90°	1,093	86%	3	73	64	57	70	62	56	65	59	53	12.0	2.2	45.4	65°	3,300						
35°	90° - 180°	175	14%	4	64	55	48	62	53	47	58	50	45	14.0	1.6	52.9	75°	3,128						
45°	0° - 180°	1,268	100%	5	57	48	41	55	46	40	51	44	38				85°	3,203						
55°		188		6	51	42	35	49	41	35	46	39	33	Beam Angle: 124.3°										
65°		147		7	46	37	31	45	36	30	42	35	29	Field Angle: 233.5°										
75°		106		8	42	33	27	41	33	27	38	31	26											
85°		72		9	38	30	24	37	29	24	35	28	23											
90°		59		10	35	27	22	34	27	22	32	26	21											

FMSATL 13IN RD SWW5 90CRI_35K Input Watts: 18.0, Delivered Lumens: 1333, LPW: 74.1, S/MH: 1.29, Test No: ISF 241276P3



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								
					50%	30%	10%	50%	30%	10%	50%	30%					10%							
0°	0° - 30°	263	20%	0	116	116	116	111	111	111	103	103	103	6.0	9.2	22.7	0°	4,737						
5°	0° - 40°	435	33%	1	98	92	88	94	89	85	87	83	80	8.0	5.2	30.3	45°	3,915						
15°	0° - 60°	796	60%	2	84	76	70	81	74	68	75	69	64	10.0	3.3	37.8	55°	3,690						
25°	0° - 90°	1,149	86%	3	73	64	57	70	62	56	65	59	53	12.0	2.3	45.4	65°	3,469						
35°	90° - 180°	184	14%	4	64	55	48	62	53	47	58	50	45	14.0	1.7	52.9	75°	3,289						
45°	0° - 180°	1,333	100%	5	57	48	41	55	46	40	51	44	38				85°	3,367						
55°		198		6	51	42	35	49	41	35	46	39	33	Beam Angle: 124.3°										
65°		154		7	46	37	31	45	36	30	42	35	29	Field Angle: 233.5°										
75°		112		8	42	33	27	41	33	27	38	31	26											
85°		76		9	38	30	24	37	29	24	35	28	23											
90°		62		10	35	27	22	34	27	22	32	26	21											

FMSATL 13IN RD SWW5 90CRI_40K Input Watts: 18.0, Delivered Lumens: 1369, LPW: 76.1, S/MH: 1.29, Test No: ISF 241276P4



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								
					50%	30%	10%	50%	30%	10%	50%	30%					10%							
0°	0° - 30°	270	20%	0	116	116	116	111	111	111	103	103	103	6.0	9.5	22.7	0°	4,867						
5°	0° - 40°	447	33%	1	98	92	88	94	89	85	87	83	80	8.0	5.3	30.3	45°	4,023						
15°	0° - 60°	818	60%	2	84	76	70	81	74	68	75	69	64	10.0	3.4	37.8	55°	3,792						
25°	0° - 90°	1,181	86%	3	73	64	57	70	62	56	65	59	53	12.0	2.4	45.4	65°	3,564						
35°	90° - 180°	189	14%	4	64	55	48	62	53	47	58	50	45	14.0	1.7	52.9	75°	3,379						
45°	0° - 180°	1,369	100%	5	57	48	41	55	46	40	51	44	38				85°	3,459						
55°		203		6	51	42	35	49	41	35	46	39	33	Beam Angle: 124.3°										
65°		158		7	46	37	31	45	36	30	42	35	29	Field Angle: 233.5°										
75°		115		8	42	33	27	41	33	27	38	31	26											
85°		78		9	38	30	24	37	29	24	35	28	23											
90°		63		10	35	27	22	34	27	22	32	26	21											



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FMSATL 16IN
Brush Nickel Finish



FMSFATL 16IN
Brush Nickel Finish

PHOTOMETRICS

Distribution Curve

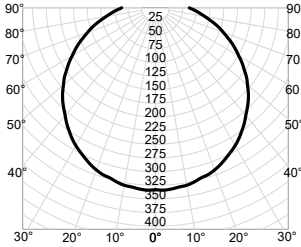
Distribution Data

Output Data

Coefficient of Utilization

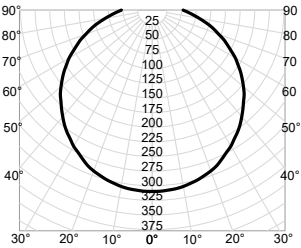
Illuminance Data at 30" Above Floor for a Single Luminaire

FMSATL 13IN RD SWW5 90CRI_50K Input Watts: 18.0, Delivered Lumens: 1338, LPW: 74.3, S/MH: 1.29, Test No: ISF 241276P5



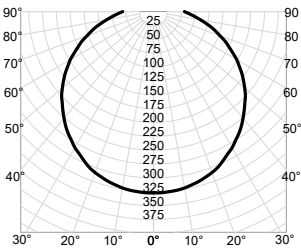
CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
		Zone	Lumens	% Fixture	pf	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
					pc	50%	30%	10%	50%	30%	10%	50%	30%						10%
0°	333	0° - 30°	264	20%	0	116	116	116	111	111	111	103	103	103	6.0	9.3	22.7	0°	4,754
5°	333	0° - 40°	436	33%	1	98	92	88	94	89	85	87	83	80	8.0	5.2	30.3	45°	3,930
15°	322	0° - 60°	799	60%	2	84	76	70	81	74	68	75	69	64	10.0	3.3	37.8	55°	3,704
25°	304	0° - 90°	1,153	86%	3	73	64	57	70	62	56	65	59	53	12.0	2.3	45.4	65°	3,482
35°	276	90° - 180°	184	14%	4	64	55	48	62	53	47	58	50	45	14.0	1.7	52.9	75°	3,301
45°	240	0° - 180°	1,338	100%	5	57	48	41	55	46	40	51	44	38				85°	3,380
55°	199				6	51	42	35	49	41	35	46	39	33	Beam Angle: 124.3°				
65°	155				7	46	37	31	45	36	30	42	35	29	Field Angle: 233.5°				
75°	112				8	42	33	27	41	33	27	38	31	26					
85°	76				9	38	30	24	37	29	24	35	28	23					
90°	62				10	35	27	22	34	27	22	32	26	21					

FMSATL 13IN SQ SWW5 90CRI_27K Input Watts: 18.0, Delivered Lumens: 1277, LPW: 70.9, S/MH: 1.27, Test No: ISF 241290P1



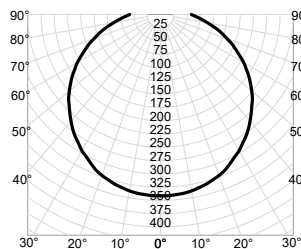
CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
		Zone	Lumens	% Fixture	pf	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
					pc	50%	30%	10%	50%	30%	10%	50%	30%						10%
0°	310	0° - 30°	246	19%	0	115	115	115	111	111	111	103	103	103	6.0	8.6	22.5	0°	3,401
5°	309	0° - 40°	406	32%	1	97	92	87	93	89	85	86	82	79	8.0	4.8	29.9	45°	2,849
15°	300	0° - 60°	743	58%	2	84	76	69	80	73	67	74	68	64	10.0	3.1	37.4	55°	2,736
25°	281	0° - 90°	1,081	85%	3	73	64	57	70	62	55	65	58	52	12.0	2.2	44.9	65°	2,573
35°	254	90° - 180°	197	15%	4	64	55	48	62	53	46	57	50	44	14.0	1.6	52.4	75°	2,459
45°	221	0° - 180°	1,277	100%	5	57	47	41	55	46	40	51	43	38				85°	2,483
55°	184				6	51	42	35	49	41	34	46	38	33	Beam Angle: 123.8°				
65°	142				7	46	37	31	44	36	30	42	34	29	Field Angle: 254.0°				
75°	102				8	42	33	27	41	32	27	38	31	26					
85°	65				9	38	30	24	37	29	24	35	28	23					
90°	53				10	35	27	22	34	27	22	32	25	21					

FMSATL 13IN SQ SWW5 90CRI_30K Input Watts: 18.0, Delivered Lumens: 1349, LPW: 74.9, S/MH: 1.27, Test No: ISF 241290P2



CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
		Zone	Lumens	% Fixture	pf	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
					pc	50%	30%	10%	50%	30%	10%	50%	30%						10%
0°	327	0° - 30°	260	19%	0	115	115	115	111	111	111	103	103	103	6.0	9.1	22.5	0°	3,593
5°	326	0° - 40°	428	32%	1	97	92	87	93	89	85	86	82	79	8.0	5.1	29.9	45°	3,010
15°	317	0° - 60°	785	58%	2	84	76	69	80	73	67	74	68	64	10.0	3.3	37.4	55°	2,889
25°	297	0° - 90°	1,142	85%	3	73	64	57	70	62	55	65	58	52	12.0	2.3	44.9	65°	2,718
35°	268	90° - 180°	208	15%	4	64	55	48	62	53	46	57	50	44	14.0	1.7	52.4	75°	2,597
45°	233	0° - 180°	1,349	100%	5	57	47	41	55	46	40	51	43	38				85°	2,622
55°	194				6	51	42	35	49	41	34	46	38	33	Beam Angle: 123.8°				
65°	150				7	46	37	31	44	36	30	42	34	29	Field Angle: 254.0°				
75°	107				8	42	33	27	41	32	27	38	31	26					
85°	69				9	38	30	24	37	29	24	35	28	23					
90°	56				10	35	27	22	34	27	22	32	25	21					

FMSATL 13IN SQ SWW5 90CRI_35K Input Watts: 18.0, Delivered Lumens: 1408, LPW: 78.2, S/MH: 1.27, Test No: ISF 241290P3



CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
		Zone	Lumens	% Fixture	pf	80%				20%				Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance		
					pc	50%	30%	10%	50%	30%	10%	50%	30%						10%
0°	341	0° - 30°	271	19%	0	115	115	115	111	111	111	103	103	103	6.0	9.5	22.5	0°	3,749
5°	340	0° - 40°	447	32%	1	97	92	87	93	89	85	86	82	79	8.0	5.3	29.9	45°	3,141
15°	331	0° - 60°	819	58%	2	84	76	69	80	73	67	74	68	64	10.0	3.4	37.4	55°	3,016
25°	310	0° - 90°	1,191	85%	3	73	64	57	70	62	55	65	58	52	12.0	2.4	44.9	65°	2,836
35°	280	90° - 180°	217	15%	4	64	55	48	62	53	46	57	50	44	14.0	1.7	52.4	75°	2,710
45°	243	0° - 180°	1,408	100%	5	57	47	41	55	46	40	51	43	38				85°	2,737
55°	203				6	51	42	35	49	41	34	46	38	33	Beam Angle: 123.8°				
65°	156				7	46	37	31	44	36	30	42	34	29	Field Angle: 254.0°				
75°	112				8	42	33	27	41	32	27	38	31	26					
85°	72				9	38	30	24	37	29	24	35	28	23					



Saturn LED Flush Mount Series

1 3" Round & Square and 1 6" Round & Semi-Flush
Switchable White Flush Mounts



FMSATL 16IN
Brush Nickel Finish



FMSFSATL 16IN
Brush Nickel Finish

PHOTOMETRICS

Distribution Curve

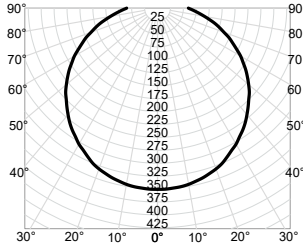
Distribution Data

Output Data

Coefficient of Utilization

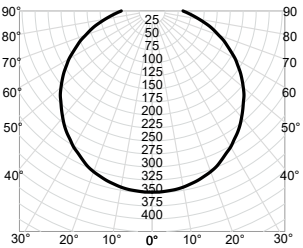
Illuminance Data at 30" Above Floor for a Single Luminaire

FMSATL 13IN SQ SWW5 90CRI_40K Input Watts: 18.0, Delivered Lumens: 1446, LPW: 80.3, S/MH: 1.27, Test No: ISF 241290P4



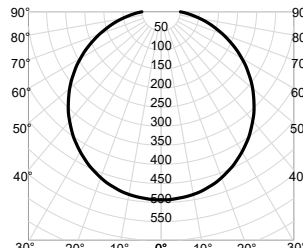
CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	20%										Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
					50%	30%	10%	50%	30%	10%	50%	30%	10%	50%					30%
0°	0° - 30°	278	19%	0.115	0.115	0.115	0.111	0.111	0.111	0.103	0.103	0.103	6.0	9.7	22.5	0°	3,850		
5°	0° - 40°	459	32%	1.97	92	87	93	89	85	86	82	79	8.0	5.5	29.9	45°	3,226		
15°	0° - 60°	842	58%	2.84	76	69	80	73	67	74	68	64	10.0	3.5	37.4	55°	3,097		
25°	0° - 90°	1,223	85%	3.73	64	57	70	62	55	65	58	52	12.0	2.4	44.9	65°	2,913		
35°	90° - 180°	223	15%	4.64	55	48	62	53	46	57	50	44	14.0	1.8	52.4	75°	2,783		
45°	0° - 180°	1,446	100%	5.57	47	41	55	46	40	51	43	38				85°	2,811		
55°		208		6.51	42	35	49	41	34	46	38	33	Beam Angle: 123.8°						
65°		161		7.46	37	31	44	36	30	42	34	29	Field Angle: 254.0°						
75°		115		8.42	33	27	41	32	27	38	31	26							
85°		74		9.38	30	24	37	29	24	35	28	23							
90°		60		10.35	27	22	34	27	22	32	25	21							

FMSATL 13IN SQ SWW5 90CRI_50K Input Watts: 18.0, Delivered Lumens: 1437, LPW: 79.8, S/MH: 1.27, Test No: ISF 241290P5



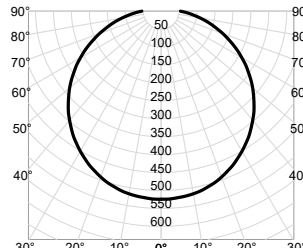
CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	20%										Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
					50%	30%	10%	50%	30%	10%	50%	30%	10%	50%					30%
0°	0° - 30°	276	19%	0.115	0.115	0.115	0.111	0.111	0.111	0.103	0.103	0.103	6.0	9.7	22.5	0°	3,826		
5°	0° - 40°	456	32%	1.97	92	87	93	89	85	86	82	79	8.0	5.4	29.9	45°	3,206		
15°	0° - 60°	836	58%	2.84	76	69	80	73	67	74	68	64	10.0	3.5	37.4	55°	3,078		
25°	0° - 90°	1,216	85%	3.73	64	57	70	62	55	65	58	52	12.0	2.4	44.9	65°	2,895		
35°	90° - 180°	221	15%	4.64	55	48	62	53	46	57	50	44	14.0	1.8	52.4	75°	2,766		
45°	0° - 180°	1,437	100%	5.57	47	41	55	46	40	51	43	38				85°	2,793		
55°		207		6.51	42	35	49	41	34	46	38	33	Beam Angle: 123.8°						
65°		160		7.46	37	31	44	36	30	42	34	29	Field Angle: 254.0°						
75°		114		8.42	33	27	41	32	27	38	31	26							
85°		73		9.38	30	24	37	29	24	35	28	23							
90°		59		10.35	27	22	34	27	22	32	25	21							

FMSATL 16IN RD SWW5 90CRI_27K Input Watts: 25.0, Delivered Lumens: 1709, LPW: 68.4, S/MH: 1.27, Test No: ISF 241275P1



CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	20%										Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
					50%	30%	10%	50%	30%	10%	50%	30%	10%	50%					30%
0°	0° - 30°	387	23%	0.117	0.117	0.117	0.114	0.114	0.114	0.107	0.107	0.107	6.0	13.7	20.5	0°	4,323		
5°	0° - 40°	637	37%	1.100	95	91	97	93	89	91	88	84	8.0	7.7	27.3	45°	3,607		
15°	0° - 60°	1,152	67%	2.86	79	73	84	77	71	79	73	68	10.0	4.9	34.2	55°	3,381		
25°	0° - 90°	1,585	93%	3.75	67	60	73	65	59	69	62	57	12.0	3.4	41.0	65°	3,099		
35°	90° - 180°	124	7%	4.66	57	50	65	56	49	61	54	48	14.0	2.5	47.9	75°	2,758		
45°	0° - 180°	1,709	100%	5.59	50	43	58	49	42	55	47	41				85°	2,433		
55°		279		6.53	44	37	52	43	37	49	42	36	Beam Angle: 119.3°						
65°		208		7.48	39	33	47	38	32	45	37	32	Field Angle: 180.7°						
75°		137		8.44	35	29	43	34	29	41	33	28							
85°		75		9.40	32	26	39	31	26	37	30	25							
90°		51		10.37	29	24	36	28	23	35	28	23							

FMSATL 16IN RD SWW5 90CRI_30K Input Watts: 25.0, Delivered Lumens: 1819, LPW: 72.8, S/MH: 1.27, Test No: ISF 241275P2



CP Summary		Zonal Lumen Summary			Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	20%										Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	
					50%	30%	10%	50%	30%	10%	50%	30%	10%	50%					30%
0°	0° - 30°	412	23%	0.117	0.117	0.117	0.114	0.114	0.114	0.107	0.107	0.107	6.0	14.6	20.5	0°	4,599		
5°	0° - 40°	678	37%	1.100	95	91	97	93	89	91	88	84	8.0	8.2	27.3	45°	3,838		
15°	0° - 60°	1,226	67%	2.86	79	73	84	77	71	79	73	68	10.0	5.2	34.2	55°	3,597		
25°	0° - 90°	1,687	93%	3.75	67	60	73	65	59	69	62	57	12.0	3.6	41.0	65°	3,297		
35°	90° - 180°	132	7%	4.66	57	50	65	56	49	61	54	48	14.0	2.7	47.9	75°	2,934		
45°	0° - 180°	1,819	100%	5.59	50	43	58	49	42	55	47	41				85°	2,589		
55°		297		6.53	44	37	52	43	37	49	42	36	Beam Angle: 119.3°						
65°		221		7.48	39	33	47	38	32	45	37	32	Field Angle: 180.7°						
75°		146		8.44	35	29	43	34	29	41	33	28							
85°		80		9.40	32	26	39	31	26	37	30	25							
90°		54		10.37	29	24	36	28	23	35	28	23							



Saturn LED Flush Mount Series

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Switchable White Flush Mounts



FMSATL 16IN
Brush Nickel Finish



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PHOTOMETRICS

Distribution Curve

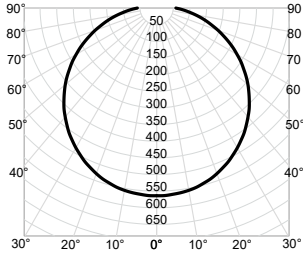
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

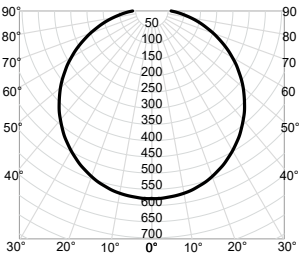
FMSATL 16IN RD SWW5 90CRI_35K Input Watts: 25.0, Delivered Lumens: 1956, LPW: 78.2, S/MH: 1.27, Test No: ISF 241275P3



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								
					pw	50%	30%	10%	50%	30%	10%	50%					30%	10%						
0°	0° - 30°	443	23%	0	117	117	117	114	114	114	107	107	107	6.0	15.7	20.5	0°	4,946						
5°	0° - 40°	729	37%	1	100	95	91	97	93	89	91	88	84	8.0	8.8	27.3	45°	4,127						
15°	0° - 60°	1,318	67%	2	86	79	73	84	77	71	79	73	68	10.0	5.6	34.2	55°	3,868						
25°	0° - 90°	1,814	93%	3	75	67	60	73	65	59	69	62	57	12.0	3.9	41.0	65°	3,545						
35°	90° - 180°	142	7%	4	66	57	50	65	56	49	61	54	48	14.0	2.9	47.9	75°	3,155						
45°	0° - 180°	1,956	100%	5	59	50	43	58	49	42	55	47	41				85°	2,784						
55°		319		6	53	44	37	52	43	37	49	42	36											
65°		238		7	48	39	33	47	38	32	45	37	32											
75°		157		8	44	35	29	43	34	29	41	33	28											
85°		86		9	40	32	26	39	31	26	37	30	25											
90°		58		10	37	29	24	36	28	23	35	28	23											

Beam Angle: 119.3°
Field Angle: 180.7°

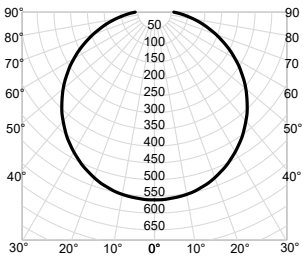
FMSATL 16IN RD SWW5 90CRI_40K Input Watts: 25.0, Delivered Lumens: 2008, LPW: 80.3, S/MH: 1.27, Test No: ISF 241275P4



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								
					pw	50%	30%	10%	50%	30%	10%	50%					30%	10%						
0°	0° - 30°	454	23%	0	117	117	117	114	114	114	107	107	107	6.0	16.1	20.5	0°	5,077						
5°	0° - 40°	748	37%	1	100	95	91	97	93	89	91	88	84	8.0	9.0	27.3	45°	4,236						
15°	0° - 60°	1,353	67%	2	86	79	73	84	77	71	79	73	68	10.0	5.8	34.2	55°	3,971						
25°	0° - 90°	1,862	93%	3	75	67	60	73	65	59	69	62	57	12.0	4.0	41.0	65°	3,640						
35°	90° - 180°	146	7%	4	66	57	50	65	56	49	61	54	48	14.0	3.0	47.9	75°	3,239						
45°	0° - 180°	2,008	100%	5	59	50	43	58	49	42	55	47	41				85°	2,858						
55°		328		6	53	44	37	52	43	37	49	42	36											
65°		244		7	48	39	33	47	38	32	45	37	32											
75°		161		8	44	35	29	43	34	29	41	33	28											
85°		88		9	40	32	26	39	31	26	37	30	25											
90°		59		10	37	29	24	36	28	23	35	28	23											

Beam Angle: 119.3°
Field Angle: 180.7°

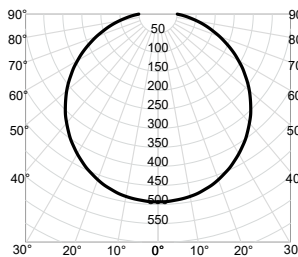
FMSATL 16IN RD SWW5 90CRI_50K Input Watts: 25.0, Delivered Lumens: 1943, LPW: 77.7, S/MH: 1.27, Test No: ISF 241275P5



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								
					pw	50%	30%	10%	50%	30%	10%	50%					30%	10%						
0°	0° - 30°	440	23%	0	117	117	117	114	114	114	107	107	107	6.0	15.6	20.5	0°	4,914						
5°	0° - 40°	724	37%	1	100	95	91	97	93	89	91	88	84	8.0	8.8	27.3	45°	4,100						
15°	0° - 60°	1,310	67%	2	86	79	73	84	77	71	79	73	68	10.0	5.6	34.2	55°	3,843						
25°	0° - 90°	1,802	93%	3	75	67	60	73	65	59	69	62	57	12.0	3.9	41.0	65°	3,523						
35°	90° - 180°	141	7%	4	66	57	50	65	56	49	61	54	48	14.0	2.9	47.9	75°	3,135						
45°	0° - 180°	1,943	100%	5	59	50	43	58	49	42	55	47	41				85°	2,766						
55°		317		6	53	44	37	52	43	37	49	42	36											
65°		236		7	48	39	33	47	38	32	45	37	32											
75°		156		8	44	35	29	43	34	29	41	33	28											
85°		85		9	40	32	26	39	31	26	37	30	25											
90°		57		10	37	29	24	36	28	23	35	28	23											

Beam Angle: 119.3°
Field Angle: 180.7°

FMSFSATL 16IN RD SWW5 90CRI_27K Input Watts: 25.0, Delivered Lumens: 1709, LPW: 68.4, S/MH: 1.27, Test No: ISF 241275P6



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								
					pw	50%	30%	10%	50%	30%	10%	50%					30%	10%						
0°	0° - 30°	387	23%	0	117	117	117	114	114	114	107	107	107	6.0	13.7	20.5	0°	4,323						
5°	0° - 40°	637	37%	1	100	95	91	97	93	89	91	88	84	8.0	7.7	27.3	45°	3,607						
15°	0° - 60°	1,152	67%	2	86	79	73	84	77	71	79	73	68	10.0	4.9	34.2	55°	3,381						
25°	0° - 90°	1,585	93%	3	75	67	60	73	65	59	69	62	57	12.0	3.4	41.0	65°	3,099						
35°	90° - 180°	124	7%	4	66	57	50	65	56	49	61	54	48	14.0	2.5	47.9	75°	2,758						
45°	0° - 180°	1,709	100%	5	59	50	43	58	49	42	55	47	41				85°	2,433						
55°		279		6	53	44	37	52	43	37	49	42	36											
65°		208		7	48	39	33	47	38	32	45	37	32											
75°		137		8	44	35	29	43	34	29	41	33	28											
85°		75		9	40	32	26	39	31	26	37	30	25											

Beam Angle: 119.3°
Field Angle: 180.7°



Saturn LED Flush Mount Series

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Switchable White Flush Mounts



FMSATL 16IN
Brush Nickel Finish



FMSFSATL 16IN
Brush Nickel Finish

PHOTOMETRICS

Distribution Curve

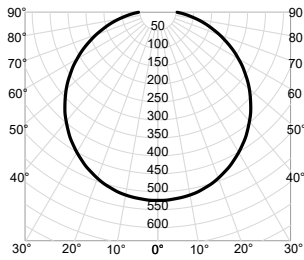
Distribution Data

Output Data

Coefficient of Utilization

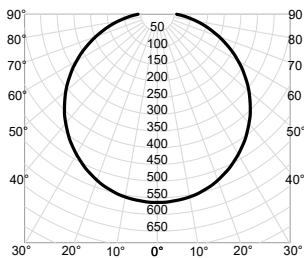
Illuminance Data at 30" Above Floor for a Single Luminaire

FMSFSATL 16IN RD SWW5 90CRI_30K Input Watts: 25.0, Delivered Lumens: 1819, LPW: 72.8, S/MH: 1.27, Test No: ISF 241275P7



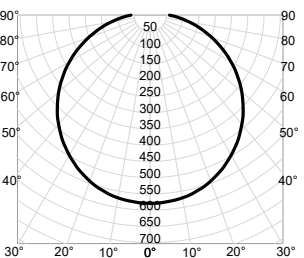
CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	Coefficients of Utilization												Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance					
				pf pc	80%	70%	50%	50%	30%	10%	50%	30%	10%	50%	30%				10%	0°	85°			
0°	524	0° - 30°	412	23%	0	117	117	117	114	114	114	107	107	107	6.0	14.6	20.5	0°	4,599					
5°	522	0° - 40°	678	37%	1	100	95	91	97	93	89	91	88	84	8.0	8.2	27.3	45°	3,838					
15°	507	0° - 60°	1,226	67%	2	86	79	73	84	77	71	79	73	68	10.0	5.2	34.2	55°	3,597					
25°	474	0° - 90°	1,687	93%	3	75	67	60	73	65	59	69	62	57	12.0	3.6	41.0	65°	3,297					
35°	426	90° - 180°	132	7%	4	66	57	50	65	56	49	61	54	48	14.0	2.7	47.9	75°	2,934					
45°	366	0° - 180°	1,819	100%	5	59	50	43	58	49	42	55	47	41				85°	2,589					
55°	297				6	53	44	37	52	43	37	49	42	36	Beam Angle: 119.3°									
65°	221				7	48	39	33	47	38	32	45	37	32	Field Angle: 180.7°									
75°	146				8	44	35	29	43	34	29	41	33	28										
85°	80				9	40	32	26	39	31	26	37	30	25										
90°	54				10	37	29	24	36	28	23	35	28	23										

FMSFSATL 16IN RD SWW5 90CRI_35K Input Watts: 25.0, Delivered Lumens: 1956, LPW: 78.2, S/MH: 1.27, Test No: ISF 241275P8



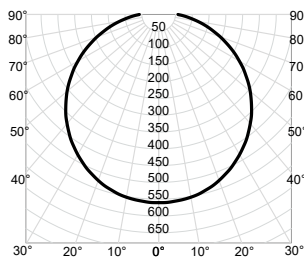
CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	Coefficients of Utilization												Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance					
				pf pc	80%	70%	50%	50%	30%	10%	50%	30%	10%	50%	30%				10%	0°	85°			
0°	564	0° - 30°	443	23%	0	117	117	117	114	114	114	107	107	107	6.0	15.7	20.5	0°	4,946					
5°	562	0° - 40°	729	37%	1	100	95	91	97	93	89	91	88	84	8.0	8.8	27.3	45°	4,127					
15°	545	0° - 60°	1,318	67%	2	86	79	73	84	77	71	79	73	68	10.0	5.6	34.2	55°	3,868					
25°	509	0° - 90°	1,814	93%	3	75	67	60	73	65	59	69	62	57	12.0	3.9	41.0	65°	3,545					
35°	458	90° - 180°	142	7%	4	66	57	50	65	56	49	61	54	48	14.0	2.9	47.9	75°	3,155					
45°	394	0° - 180°	1,956	100%	5	59	50	43	58	49	42	55	47	41				85°	2,784					
55°	319				6	53	44	37	52	43	37	49	42	36	Beam Angle: 119.3°									
65°	238				7	48	39	33	47	38	32	45	37	32	Field Angle: 180.7°									
75°	157				8	44	35	29	43	34	29	41	33	28										
85°	86				9	40	32	26	39	31	26	37	30	25										
90°	58				10	37	29	24	36	28	23	35	28	23										

FMSFSATL 16IN RD SWW5 90CRI_40K Input Watts: 25.0, Delivered Lumens: 2008, LPW: 80.3, S/MH: 1.27, Test No: ISF 241275P9



CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	Coefficients of Utilization												Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance					
				pf pc	80%	70%	50%	50%	30%	10%	50%	30%	10%	50%	30%				10%	0°	85°			
0°	579	0° - 30°	454	23%	0	117	117	117	114	114	114	107	107	107	6.0	16.1	20.5	0°	5,077					
5°	577	0° - 40°	748	37%	1	100	95	91	97	93	89	91	88	84	8.0	9.0	27.3	45°	4,236					
15°	559	0° - 60°	1,353	67%	2	86	79	73	84	77	71	79	73	68	10.0	5.8	34.2	55°	3,971					
25°	523	0° - 90°	1,862	93%	3	75	67	60	73	65	59	69	62	57	12.0	4.0	41.0	65°	3,640					
35°	470	90° - 180°	146	7%	4	66	57	50	65	56	49	61	54	48	14.0	3.0	47.9	75°	3,239					
45°	404	0° - 180°	2,008	100%	5	59	50	43	58	49	42	55	47	41				85°	2,858					
55°	328				6	53	44	37	52	43	37	49	42	36	Beam Angle: 119.3°									
65°	244				7	48	39	33	47	38	32	45	37	32	Field Angle: 180.7°									
75°	161				8	44	35	29	43	34	29	41	33	28										
85°	88				9	40	32	26	39	31	26	37	30	25										
90°	59				10	37	29	24	36	28	23	35	28	23										

FMSFSATL 16IN RD SWW5 90CRI_50K Input Watts: 25.0, Delivered Lumens: 1943, LPW: 77.7, S/MH: 1.27, Test No: ISF 241275P10



CP Summary				Zonal Lumen Summary				Coefficients of Utilization												Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	Coefficients of Utilization												Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance					
				pf pc	80%	70%	50%	50%	30%	10%	50%	30%	10%	50%	30%				10%	0°	85°			
0°	560	0° - 30°	440	23%	0	117	117	117	114	114	114	107	107	107	6.0	15.6	20.5	0°	4,914					
5°	558	0° - 40°	724	37%	1	100	95	91	97	93	89	91	88	84	8.0	8.8	27.3	45°	4,100					
15°	541	0° - 60°	1,310	67%	2	86	79	73	84	77	71	79	73	68	10.0	5.6	34.2	55°	3,843					
25°	506	0° - 90°	1,802	93%	3	75	67	60	73	65	59	69	62	57	12.0	3.9	41.0	65°	3,523					
35°	455	90° - 180°	141	7%	4	66	57	50	65	56	49	61	54	48	14.0	2.9	47.9	75°	3,135					
45°	391	0° - 180°	1,943	100%	5	59	50	43	58	49	42	55	47	41				85°	2,766					
55°	317				6	53	44	37	52	43	37	49	42	36	Beam Angle: 119.3°									
65°	236				7	48	39	33	47	38	32	45	37	32	Field Angle: 180.7°									
75°	156				8	44	35	29	43	34	29	41	33	28										
85°	85				9	40	32	26	39	31	26	37	30	25										
90°	57				10	37	29	24	36	28	23	35	28	23										