



FMDR LED Flush Mount Series
17" Round Switchable White Flush Mounts

FMDR Series



FMDR 17IN MW
Matte White



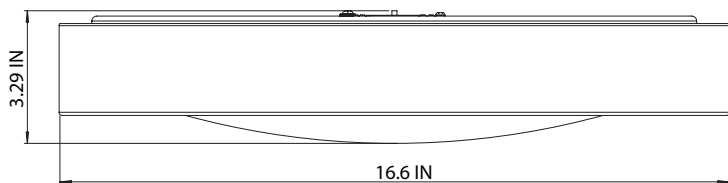
FMDR 17IN MB
Matte Black



Shown with Halo Effect



Dimensions



Project:
Fixture Type:
Location:
Contact/Phone:

Product Features

The FMDR Flush Mount Series brightens your surroundings and elevates the overall atmosphere featuring a seamlessly integrated Halo Accent adding a subtle, unique glow to any space. These 17in fixtures are available in matte white or black finishes with a white acrylic diffuser for a great look in any setting or decor. With five selectable color temperatures ranging from warm (2700K) to daylight (5000K), getting the right look for your space is a breeze.

Applications

- Residential and light commercial applications including multi-family, hospitality, assisted living, dormitories and other multi-level construction
- Ideal for foyers, hallways, corridors, living rooms, bedrooms, bathrooms, home offices, kitchens and more
- Close-to-ceiling, direct wire with mounting hardware

Performance

Delivered Lumens	2200 nominal at 30K
LED Color Temperature	2700K/3000K/3500K/4000K/5000K
CRI	90+
Voltage	Dedicated 120V
Dimming	Phase Dimming down to 10%

Specifications

	Width	Depth
FMDR 17IN	16.63	3.29

All dimensions are inches unless otherwise indicated.



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FMDR 17IN
Matte Black






ORDERING INFORMATION

FMDR Flush Mounts

Example: FMDR 17IN SWW5 90CRI MW M4

Series	Size	Color Temperature	CRI	Trim/Finish
FMDR 17" Round Decorative Flush Mount	17IN 17 inches	SWW5 Switchable CCT 2700K/3000K/3500K/4000K/5000K	90CRI 90CRI	MW Matte White MB Matte Black

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 Maestro Rocker style 120V 600W/MACL-153M/ STCL-153	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 Caseta Wireless in-wall 150W/PD-6WCL	Lutron Vive® Wireless Reverse-phase 120V 600W/MRF2S-6ELV	



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SPECIFICATIONS

Construction

Sleek contemporary design with white acrylic diffuser and steel pan • 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 FMDR 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 -20°C (-4°F) to 25°C (77°F) • 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.

PERFORMANCE DATA

	FMDR
Input Voltage	120V
Input Power Typical	24.3 (+/-5%)
Power Factor	0.99
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

MATTE WHITE FOR 2200 LUMENS

LIGHTING PERFORMANCE DATA DONNÉES DE PERFORMANCE DE L'ÉCLAIRAGE

Light Appearance (CCT)
Aspect de la lumière (CCT)

2700K soft white | blanc doux

2141 lumens | 90 lumens per watt

3000K warm white | blanc chaud

2250 lumens | 95 lumens per watt

3500K neutral white | blanc neutre

2320 lumens | 98 lumens per watt

4000K cool white | blanc froid

2365 lumens | 99 lumens per watt

5000K daylight | lumière du jour

2411 lumens | 101 lumens per watt

Watts **23.8**

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

MATTE BLACK FOR 1975 LUMENS

LIGHTING PERFORMANCE DATA DONNÉES DE PERFORMANCE DE L'ÉCLAIRAGE

Light Appearance (CCT)
Aspect de la lumière (CCT)

2700K soft white | blanc doux

1946 lumens | 82 lumens per watt

3000K warm white | blanc chaud

1975 lumens | 83 lumens per watt

3500K neutral white | blanc neutre

2003 lumens | 84 lumens per watt

4000K cool white | blanc froid

2016 lumens | 85 lumens per watt

5000K daylight | lumière du jour

2023 lumens | 85 lumens per watt

Watts **23.8**

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



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PHOTOMETRICS

Distribution Curve

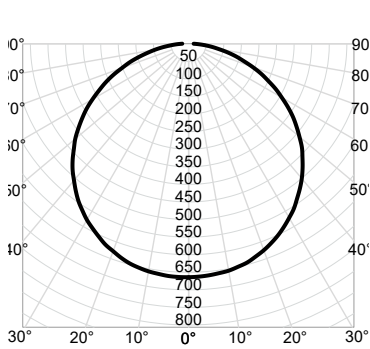
Distribution Data

Output Data

Coefficient of Utilization

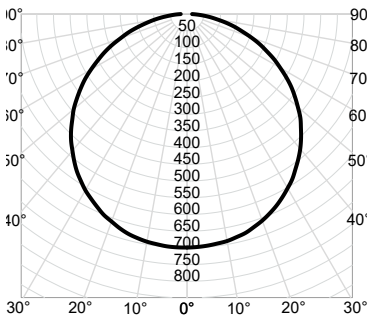
Illuminance Data at 30" Above Floor for a Single Luminaire

FMDR 17IN SWW5 90CRI MW M4 - 27K Input Watts: 23.8, Delivered Lumens: 2141, LPW: 90.0, S/MH: 1.27, Test No: ISF25 030414P1



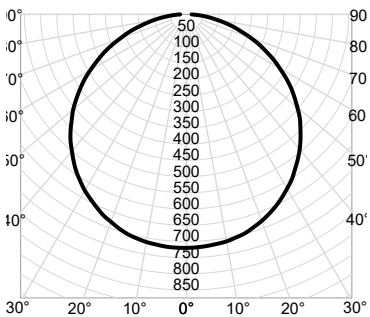
CP Summary		Zonal Lumen Summary				Coefficients of Utilization										Cone of Light			Luminance (cd/sq.m)	
0°	Zone	Lumens	% Fixture	pf pc	80%		20%		70%		50%		Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance	Beam Angle: 116.3°	Field Angle: 164.8°		
0°	0° - 30°	524	24%	0	50%	30%	10%	50%	30%	10%	50%	30%	10%				0°	4,513		
5°	0° - 40°	863	40%	1	102	97	93	99	95	91	94	90	87	6.0	18.4	19.3	45°	4,107		
15°	0° - 60°	1,545	72%	2	88	81	76	86	80	74	81	76	72	10.0	6.6	25.7	55°	3,890		
25°	0° - 90°	2,004	94%	3	77	69	63	75	68	62	71	65	60	12.0	4.6	38.6	65°	3,483		
35°	90° - 180°	137	6%	4	68	60	53	67	58	52	63	56	51	14.0	3.4	45.0	75°	2,893		
45°	0° - 180°	2,141	100%	5	61	52	45	60	51	45	57	49	44				85°	1,913		
55°		362		6	55	46	39	54	45	39	51	44	38							
65°		250		7	50	41	35	49	40	34	46	39	34							
75°		140		8	45	37	31	44	36	31	42	35	30							
85°		45		9	41	33	28	41	33	27	39	32	27							
90°		14		10	38	30	25	37	30	25	36	29	24							

FMDR 17IN SWW5 90CRI MW M4 - 30K Input Watts: 23.8, Delivered Lumens: 2254, LPW: 94.7, S/MH: 1.27, Test No: ISF25 030414P2



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	Beam Angle: 116.3°	Field Angle: 164.8°		
0°	0° - 30°	552	24%	0	50%	30%	10%	50%	30%	10%	50%	30%	10%				0°	4,751		
5°	0° - 40°	908	40%	1	102	97	93	99	95	91	94	90	87	6.0	19.4	19.3	45°	4,323		
15°	0° - 60°	1,626	72%	2	88	81	76	86	80	74	81	76	72	10.0	7.0	32.2	55°	4,095		
25°	0° - 90°	2,110	94%	3	77	69	63	75	68	62	71	65	60	12.0	4.9	38.6	65°	3,666		
35°	90° - 180°	144	6%	4	68	60	53	67	58	52	63	56	51	14.0	3.6	45.0	75°	3,045		
45°	0° - 180°	2,254	100%	5	61	52	45	60	51	45	57	49	44				85°	2,014		
55°		381		6	55	46	39	54	45	39	51	44	38							
65°		263		7	50	41	35	49	40	34	46	39	34							
75°		147		8	45	37	31	44	36	31	42	35	30							
85°		47		9	41	33	28	41	33	27	39	32	27							
90°		15		10	38	30	25	37	30	25	36	29	24							

FMDR 17IN SWW5 90CRI MW M4 - 35K Input Watts: 23.8, Delivered Lumens: 2321, LPW: 97.5, S/MH: 1.27, Test No: ISF25 030414P3



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	Beam Angle: 116.3°	Field Angle: 164.8°		
0°	0° - 30°	568	24%	0	50%	30%	10%	50%	30%	10%	50%	30%	10%				0°	4,893		
5°	0° - 40°	935	40%	1	102	97	93	99	95	91	94	90	87	6.0	20.0	19.3	45°	4,453		
15°	0° - 60°	1,675	72%	2	88	81	76	86	80	74	81	76	72	10.0	7.2	32.2	55°	4,218		
25°	0° - 90°	2,173	94%	3	77	69	63	75	68	62	71	65	60	12.0	5.0	38.6	65°	3,776		
35°	90° - 180°	148	6%	4	68	60	53	67	58	52	63	56	51	14.0	3.7	45.0	75°	3,136		
45°	0° - 180°	2,321	100%	5	61	52	45	60	51	45	57	49	44				85°	2,074		
55°		392		6	55	46	39	54	45	39	51	44	38							
65°		271		7	50	41	35	49	40	34	46	39	34							
75°		151		8	45	37	31	44	36	31	42	35	30							
85°		48		9	41	33	28	41	33	27	39	32	27							
90°		15		10	38	30	25	37	30	25	36	29	24							



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PHOTOMETRICS

Distribution Curve

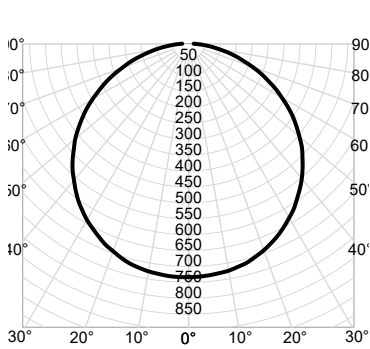
Distribution Data

Output Data

Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

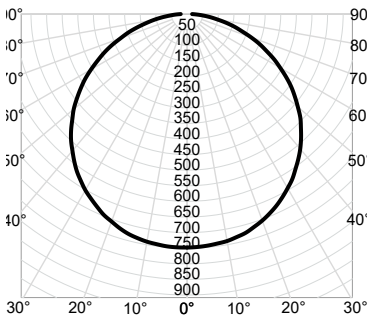
FMDR 17IN SWW5 90CRI MW M4 - 40K Input Watts: 23.8, Delivered Lumens: 2366, LPW: 99.4, S/MH: 1.27, Test No: ISF25 030414P4



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				
						50%	30%	10%	50%	30%	10%						50%	30%	10%
0°	734	0° - 30°	579	24%	0	118	118	118	114	114	114	108	108	108	6.0	20.4	19.3	0°	4,989
5°	731	0° - 40°	954	40%	1	102	97	93	99	95	91	94	90	87	8.0	11.5	25.7	45°	4,539
15°	712	0° - 60°	1,708	72%	2	88	81	76	86	80	74	81	76	72	10.0	7.3	32.2	55°	4,300
25°	665	0° - 90°	2,215	94%	3	77	69	63	75	68	62	71	65	60	12.0	5.1	38.6	65°	3,849
35°	594	90° - 180°	151	6%	4	68	60	53	67	58	52	63	56	51	14.0	3.7	45.0	75°	3,197
45°	506	0° - 180°	2,366	100%	5	61	52	45	60	51	45	57	49	44				85°	2,115
55°	400				6	55	46	39	54	45	39	51	44	38					
65°	276				7	50	41	35	49	40	34	46	39	34					
75°	154				8	45	37	31	44	36	31	42	35	30					
85°	49				9	41	33	28	41	33	27	39	32	27					
90°	16				10	38	30	25	37	30	25	36	29	24					

Beam Angle: 116.3°
Field Angle: 164.8°

FMDR 17IN SWW5 90CRI MW M4 - 50K Input Watts: 23.8, Delivered Lumens: 2411, LPW: 101.3, S/MH: 1.27, Test No: ISF25 030414P5



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				
						50%	30%	10%	50%	30%	10%						50%	30%	10%
0°	748	0° - 30°	590	24%	0	118	118	118	114	114	114	108	108	108	6.0	20.8	19.3	0°	5,084
5°	745	0° - 40°	972	40%	1	102	97	93	99	95	91	94	90	87	8.0	11.7	25.7	45°	4,626
15°	725	0° - 60°	1,740	72%	2	88	81	76	86	80	74	81	76	72	10.0	7.5	32.2	55°	4,382
25°	677	0° - 90°	2,258	94%	3	77	69	63	75	68	62	71	65	60	12.0	5.2	38.6	65°	3,922
35°	606	90° - 180°	154	6%	4	68	60	53	67	58	52	63	56	51	14.0	3.8	45.0	75°	3,258
45°	516	0° - 180°	2,411	100%	5	61	52	45	60	51	45	57	49	44				85°	2,155
55°	408				6	55	46	39	54	45	39	51	44	38					
65°	281				7	50	41	35	49	40	34	46	39	34					
75°	157				8	45	37	31	44	36	31	42	35	30					
85°	50				9	41	33	28	41	33	27	39	32	27					
90°	16				10	38	30	25	37	30	25	36	29	24					

Beam Angle: 116.3°
Field Angle: 164.8°