

Metalux AP Series

DESCRIPTION

FM series is a versatile LED ceiling or wall mount series which can be used in a broad range of residential and commercial applications. This series provides customers with a high quality luminaire utilizing the latest LED, solid state lighting and electronic driver technology for optimal performance and maximized energy efficiency. With a traditional opal white lens, the FM series produces even, uniform light distribution and is an ideal choice for offices, corridors, stairways, bedroom, closet and foyers applications and T8 replacing incandescent, circline or compact fluorescent lamps.

Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Construction

Housing consists of die formed steel which is post painted to offer the ideal aesthetics. Diffuser are white opal injection molded acrylic blends offering the ideal light distribution. These lens are offered in three different sizes: 11, 15, 19 inch models. Lens are attached with easy mount tabs.

Controls

Equipped standard with non-dimmable electronic drivers which provides extensive energy savings over existing fluorescent lamp options. All drivers are suitable for 120V applications. Dimmable to 10% compatible with most Triac dimmers.

Electrical

Long-Life LED system coupled with electrical driver to deliver optimal performance. LEDs are 4000K with a typical CRI 80. Projected life is 50,000 hours at 70% lumen output.

Shielding

Specially developed LED lens blend allows this product series to offer optimal light out and providing smooth even illumination with no pixelation. Lenses are designed from smooth opal white acrylic and provide 360° uniform light distribution. Lens is easily removed for installation and maintenance.

Installation

Fixture may be surface (wall or ceiling) mounted.

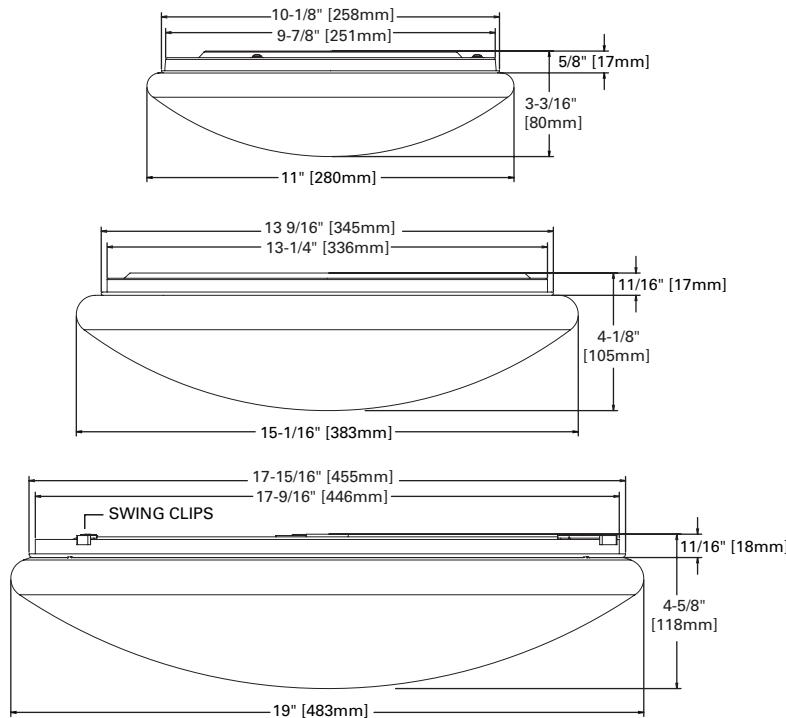
Compliance

UL/CUL Listed. Energy Star Qualified. Lighting Facts Approved. Suitable for Damp locations. Models less than 4 inches are ADA Compliant.



FM
LED Flushmount

Wall or Ceiling Mount



WATTAGE

Size	4000K	Watts
11"	1100	13.5
15"	1700	21.3
19"	2450	30.5

ORDERING INFORMATION

Catalog No.	UPC	I2of5
FM11WR40R	080083770083	10080083770080
FM15WR40R	080083760466	10080083760463
FM19WR40R	080083760473	10080083760470

SHIPPING DATA

Catalog No.	Individual Wt.	Master Pack
FM11	1.8 lbs.	4
FM15	3.5 lbs.	4
FM19	5.55 lbs.	2

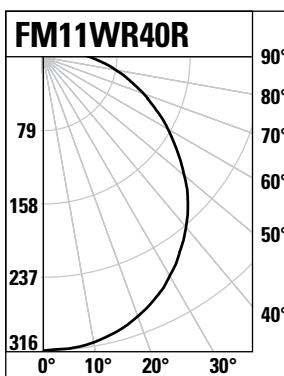
4000K LIGHTING FACTS

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	1100
Watts	13.3
Lumens Per Watt (Efficacy)	83
Color Accuracy (CRI)	80
Light Color (CCT)	4000K Correlated Color Temperature (CCT)
2700K	3000K
4500K	6500K
FM11WR40	

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	1700
Watts	20.2
Lumens Per Watt (Efficacy)	83
Color Accuracy (CRI)	80
Light Color (CCT)	4000K Correlated Color Temperature (CCT)
2700K	3000K
4500K	6500K
FM15WR40	

PRODUCT SPECIFICATIONS	
Lumens (Light Output)	2450
Watts	30.5
Lumens Per Watt (Efficacy)	80
Color Accuracy (CRI)	80
Light Color (CCT)	4000K Correlated Color Temperature (CCT)
2700K	3000K
4500K	6500K
FM19WR40	

PHOTOMETRICS - 4000K



Description		
11" Circular LED flush mount luminaire		
CCT = 4000K		
Lumens = 1162.7		
Input Watts = 13.3		
Efficacy = 87.4		
Test Report = P27996		
Zonal Lumen Summary		
Zone	Lumens	% Fixture
0°-30°	248.2	21.3
0°-40°	408.7	35.2
0°-60°	736	63.3
0°-90°	1041.5	89.6
0°-180°	1162.7	100

Coefficients of Utilization

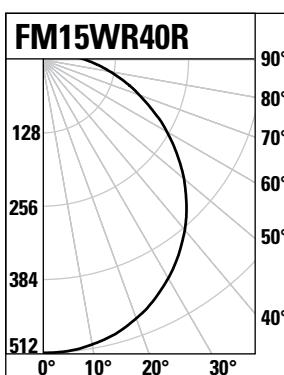
Effective floor cavity reflectance 20%

rc rw	80%				70%				50%				30%				10%				0	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	117	117	117	117	113	113	113	113	105	105	105	99	99	99	92	92	92	90				
1	104	99	94	89	100	95	91	87	89	85	82	83	80	77	78	76	73	70				
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	67	63	60	57				
3	85	74	65	58	82	72	64	57	67	60	55	63	57	52	59	54	50	47				
4	78	65	56	49	75	63	54	48	59	52	46	56	49	44	52	47	43	40				
5	71	58	49	42	69	56	48	41	53	45	40	50	43	38	47	41	37	34				
6	66	52	43	36	63	51	42	36	48	40	35	45	38	33	43	37	32	30				
7	61	47	38	32	59	46	37	31	43	36	30	41	34	30	39	33	29	26				
8	57	43	34	28	55	42	34	28	40	32	27	38	31	26	36	30	26	23				
9	53	39	31	25	51	38	30	25	36	29	24	35	28	24	33	27	23	21				
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19				

Candlepower

0° Flux

0°	316
5°	315
10°	306
15°	286
20°	256
25°	236
30°	216
35°	196
40°	176
45°	156
50°	134
55°	114
60°	96
65°	76
70°	64
75°	51



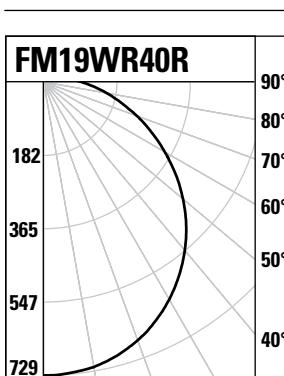
Description		
15" Circular LED flush mount luminaire		
CCT = 4000K		
Lumens = 1880.8		
Input Watts = 20.3		
Efficacy = 92.7		
Test Report = P27998		
Zonal Lumen Summary		
Zone	Lumens	% Fixture
0°-30°	401.9	21.4
0°-40°	662.2	35.2
0°-60°	1195.4	63.6
0°-90°	1673.9	89
0°-180°	1880.8	100

Coefficients of Utilization

Effective floor cavity reflectance 20%

rc rw	80%				70%				50%				30%				10%				0	
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				
1	104	99	94	89	100	95	91	87	89	85	82	83	80	78	78	76	73	70				
2	94	85	78	71	90	82	75	70	77	71	66	72	67	63	67	64	60	57				
3	85	74	66	59	82	72	64	57	67	60	55	63	57	53	59	54	50	48				
4	78	65	56	49	75	63	55	48	59	52	46	56	50	45	52	47	43	40				
5	72	58	49	42	69	56	48	41	53	46	40	50	43	38	47	41	37	35				
6	66	52	43	37	63	51	42	36	48	40	35	45	39	34	43	37	32	30				
7	61	47	38	32	59	46	38	32	43	36	31	41	34	30	39	33	29	26				
8	57	43	34	28	55	43	34	29	40	33	28	39	32	27	37	31	27	24				
9	53	39	31	25	51	38	31	25	36	29	24	35	28	24	34	28	24	22				
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	20				

0°	512
5°	511
10°	496
15°	463
20°	416
25°	357
30°	288
35°	258
40°	215
45°	214
50°	150
55°	84
60°	75
65°	41



Description		
19" Circular LED flush mount luminaire		
CCT = 4000K		
Lumens = 2552.5		
Input Watts = 30.6		
Efficacy = 83.4		
Test Report = P28000		
Zonal Lumen Summary		
Zone	Lumens	% Fixture
0°-30°	570.3	22.3
0°-40°	937.7	36.7
0°-60°	1682.5	65.9
0°-90°	2325.3	91.1
0°-180°	2552.5	100

rc rw	80%				70%				50%				30%				10%				0	
70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10						