

E4FMR

LED Round Flushmount Fixture
CCT&Wattage Select • 10-yr Warranty



OVERVIEW

Energetic Lighting's E4FMR series of LED round flushmount fixtures are designed to emulate the look and feel of traditional circline fluorescent tube flushmount fixtures, but operate at a significantly lower wattage. Fixtures are available in 13 inch diameter option, replacing one of the most commonly used configurations. ezCCT and ezWatt features allow for field-selection of CCT (3000K, 4000K, or 5000K), and wattage (22W, 18W, or 15W), both accessible by removing the diffuser. Installation is quick and simple when mounting over standard ceiling junction boxes, and further output control is available by installing on circuits with standard wall triac dimmers. With a CRI of >90, this fixture will bring out vibrant true-to-life colors of all objects illuminated within the room. Constructed with a durable steel housing body and LED lifetime rating of at least 50,000 hours, this rugged flushmount is designed for many years of reliable operation.

KEY FEATURES

- EZCCT field-selectable CCT - 3000K (std), 4000K & 5000K @ >90 CRI
- EZWATT field-selectable Wattage - 3 steps, varied by models (see stock ordering information)
- Standard twist install keyhole slots for easy installation over standard ceiling junction box screws
- Suitable for dry or damp location installations
- Dimmable down to 10% with standard triac wall switch dimmers
- Minimum 84% lumen maintenance @ 50,000 hours – L84/50,000 (per IES TM21)
- Minimum projected L70 @ 104,000 hours = maintenance free illumination (per IES TM21)



Highlights



Field-selectable CCT and Wattage control provides flexibility to installation and stocking



Standard toolless twist lock diffuser lens for easy inner compartment access



Easily install over standard junction box mounting screws

Load Information

Input Voltage	120Vac
Power Factor	0.98
THD	<20%
Low Temp Start	-20°C (-4°F)
Max Temp	40°C (104°F)
Unit Weight	1.5 lbs

Shipping Information

Item	Weight	Box Qty.
13-inch fixture	2.5 lbs	1 per pack
	17.5 lbs	6 per case

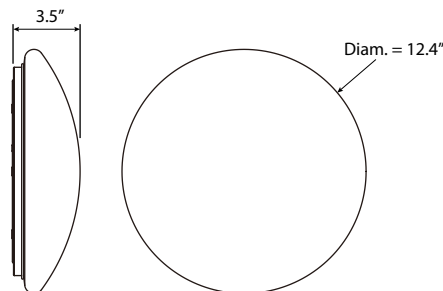
Lumen Maintenance

Ambient Temp	TM-21 Lumen Maint. (50,000 hours)	Theoretical L70 (hours)
25°C	>84%	104,000

Specific Lumen Output

		Color Temperature Setting		
Profile	Wattage Setting	3000K	4000K	5000K
13"	15W	1269	TBA	TBA
	18W	1485	TBA	TBA
	22W	1766	TBA	TBA

Dimensions



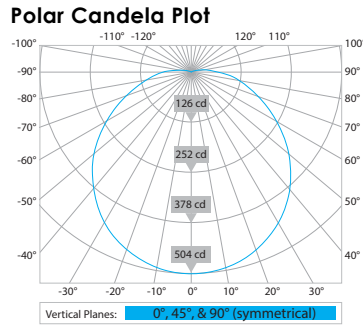
STOCK ORDERING INFORMATION

13-inch Profile

Catalog Logic	Order #	Lumens	Wattage	LPW	Color Temperature	CRI	Voltage	Dimming	Certifications	Pallet Qty
E4FMR1522D-93050	40045	1100, 1300, 1600 LM	15W, 18W, 22W Select	72.7	3000K, 4000K, 5000K Select	95	120	Triac dimmable	ETL, Energy Star	162

PHOTOMETRIC DATA

Cat Logic: E4FMR1522D-93050*
 Test Report: E4FMR1522D-93050(3000K).ies
 CCT: set at 3000K
 Lamp Type: LED
 Lumens: 1766 LM
 Input Watts: 21.7 W (set at 22W)
 Efficacy: 81 LM/W
 Spacing Criteria: [0° : 1.30] [90° : 1.30]



Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-20	184.93	10.5
0-30	394.69	22.4
0-40	650.89	36.9
0-60	1174.76	66.5
0-80	1541.69	87.3
0-90	1646.4	93.2
0-180	1765.74	100

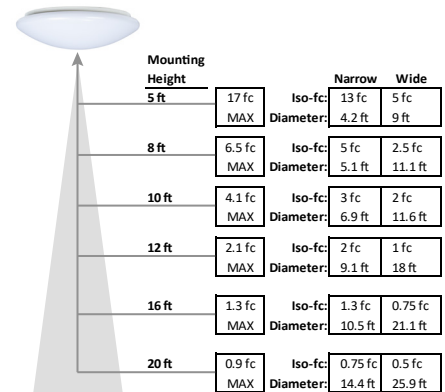
* NOTE: Data produced from 3000K CCT setting where:
 - 4000K values can be estimated by increasing by a factor of (TBA) from 3000K
 - 5000K values can be estimated by increasing by a factor of (TBA) from 3000K

Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

rc	80%				70%				50%			30%			10%			0%
	rw	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	105	99	94	90	102	96	92	88	91	87	84	86	83	80	81	79	76	74
2	95	86	78	72	91	83	76	70	78	73	68	74	69	65	70	66	63	60
3	86	75	66	59	83	73	64	58	69	62	56	65	59	54	61	57	52	50
4	79	66	57	49	76	64	55	49	61	53	47	57	51	46	55	49	45	42
5	72	59	49	42	69	57	48	42	54	47	41	51	45	40	49	43	39	36
6	67	53	43	37	64	51	43	36	49	41	35	46	40	35	44	38	34	31
7	62	48	39	32	59	47	38	32	44	37	31	42	36	31	40	34	30	28
8	57	43	35	29	55	42	34	28	41	33	28	39	32	27	37	31	27	25
9	53	40	31	26	52	39	31	25	37	30	25	36	29	24	34	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	27	22	32	26	22	20

Isofootcandle Sampling





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NOTES:



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