

E3FMB

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



OVERVIEW

Energetic Lighting's E3FMB 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 12", 14", & 18" diameter, 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 using the included crossbar and hardware, 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

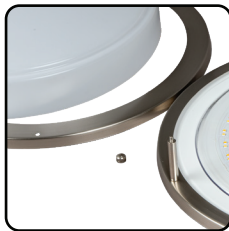
- EZCCT field-selectable CCT - 3000K, 4000K & 5000K @ >90 CRI
- EZWATT field-selectable Wattage - 3 steps, 22W, 18W, or 15W
- Standard twist install keyhole slots for easy installation over standard ceiling junction box screws, crossbar and hardware included
- Model E3FMB1522T, E3FMB14T-93050, and E3FMB2432T-93050 Suitable for dry or damp location installations
Model E3FMB1522TW - Suitable for wet location installations
- Dimmable down to 10% with standard triac wall switch dimmers
- Minimum 85% lumen maintenance @ 50,000 hours – L85/50,000 (per IES TM21)
- Minimum projected L70 @ 112,000 hours = maintenance free illumination (per IES TM21)



Highlights



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



Standard 3-piece housing with toolless thumb nut retainers for easy access to inner compartment



Elegant brushed aluminum trim with large diffusion lens to provide an even light distribution



Wet location model (E3FMB1522TW, #40051) provided with foam gasket on both diffuser rim and back housing panel to prevent water ingress

Load Information

Input Voltage	120Vac
Power Factor	0.98
THD	15%
Low Temp Start	-20°C (-4°F)
Max Temp	40°C (104°F)
Unit Weight	2.5 lbs

Shipping Information

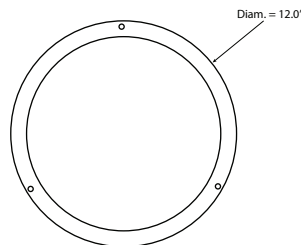
Item	Weight	Box Qty.
E3FMB14T-93050	TBA	1 per pack
E3FMB2432T-93050	TBA	1 per pack
E3FMB1522T-93050	4 lbs	1 per pack
E3FMB1522TW-93050	26 lbs	6 per case

Lumen Maintenance

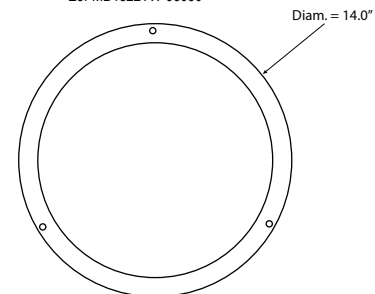
Ambient Temp	TM-21 Lumen Maint. (50,000 hours)	Theoretical L70 (hours)
25°C	>85%	112,000

Dimensions

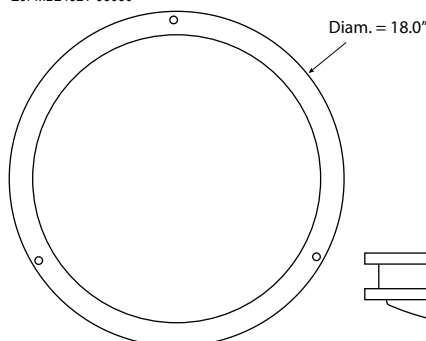
E3FMB14T-93050



E3FMB1522T-93050
E3FMB1522TW-93050



E3FMB2432T-93050



STOCK ORDERING INFORMATION
Suitable for Dry and Damp Location installation

Catalog Logic	Order #	Lumens	Wattage	LPW	Color Temperature	CRI	Voltage	Dimming	Certifications	Pallet Qty
E3FMB1522T-93050	40050	1540LM, 1260LM, 1000LM	22W, 18W, 15W Select	70	3000K, 4000K, 5000K Select	92.7	120	Triac dimmable	ETL, Energy Star, JA8	84

Suitable for Wet Location installation

Catalog Logic	Order #	Lumens	Wattage	LPW	Color Temperature	CRI	Voltage	Dimming	DLC	Pallet Qty
E3FMB1522TW-93050	40051	1540LM, 1260LM, 1000LM	22W, 18W, 15W Select	70	3000K, 4000K, 5000K Select	92.7	120	Triac dimmable	ETL, Energy Star, JA8	84

Suitable for Dry and Damp Location installation

Catalog Logic	Order #	Lumens	Wattage	LPW	Color Temperature	CRI	Voltage	Dimming	DLC	Pallet Qty
E3FMB14T-93050	40049	980 LM	14W	70	3000K, 4000K, 5000K Select	90	120	Triac dimmable	ETL, Energy Star, JA8	TBD

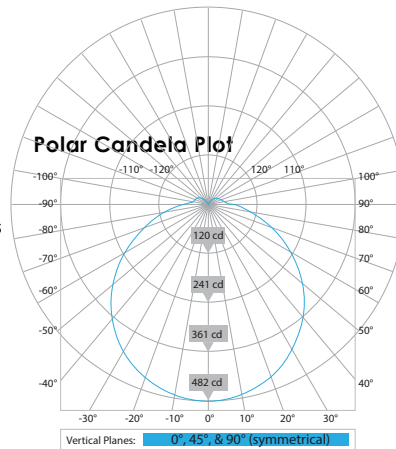
Suitable for Dry and Damp Location installation

Catalog Logic	Order #	Lumens	Wattage	LPW	Color Temperature	CRI	Voltage	Dimming	DLC	Pallet Qty
E3FMB2432T-93050	40053	1680 LM, 1960 LM, 2240 LM	24W, 28W, 32W Select	70	3000K, 4000K, 5000K Select	90	120	Triac dimmable	ETL, Energy Star, JA8	TBD

PHOTOMETRIC DATA

Cat Logic: E3FMB1522T-93050*
 Applicable: E3FMB1522TW-93050
 Models:
 Test Report: E3FMB1522T-93050(22W,3000K).ies
 CCT: set at 3000K
 Lamp Type: LED
 Lumens: 1742.2 LM
 Input Watts: 21.5 W (set at 22W)
 Efficacy: 81 LM/W
 Spacing Criteria: [0° : 1.30] [90° : 1.28]

* 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

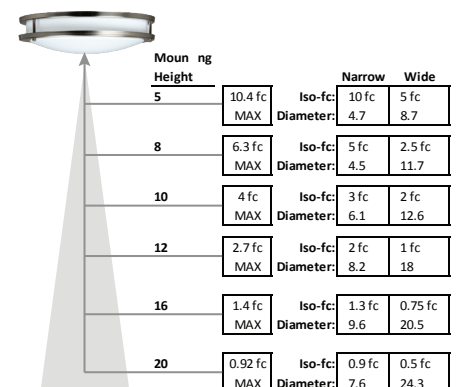

Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-20	176.05	10.1
0-30	375.25	21.5
0-40	618.12	35.5
0-60	1116.31	64.1
0-80	1460.69	83.8
0-90	1555.65	89.3
0-180	1742.25	100

Coefficients of Utilization

Effective Floor Cavity Reflectance 0.20

rc	80%				70%				50%			30%			10%			0%	
	rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																			
0		117	117	117	117	113	113	113	113	105	105	105	98	98	98	92	92	92	89
1		104	99	94	90	101	96	91	87	89	86	82	84	81	78	78	76	74	71
2		94	85	78	72	91	82	76	70	77	71	67	72	68	64	68	64	61	58
3		86	74	66	59	82	72	64	58	67	61	55	63	58	53	59	55	51	48
4		78	66	56	49	75	64	55	48	60	52	47	56	50	45	53	47	43	41
5		72	58	49	42	69	57	48	42	53	46	40	50	44	39	47	42	37	35
6		66	52	43	37	63	51	42	36	48	40	35	45	39	34	43	37	33	30
7		61	47	38	32	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8		57	43	35	29	55	42	34	28	40	33	27	38	31	27	36	30	26	24
9		53	40	31	26	51	39	31	25	37	30	25	35	28	24	33	27	23	21
10		50	36	28	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

Isofootcandle Sampling




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NOTES:



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