

FET22 Series 2x2 (32W Color Tunable)



Edge Lit 2x2

Winner of 2013 "DOE" Next Generation Luminaires Design Competition

PRODUCT DESCRIPTION

- System Input Power: 32W
- Efficacy: 110 lm/W
- Lifetime Rating: 50,000Hrs
- Input Frequency(Hz): 50/60Hz
- IP 44 Rated – Protected from water spray from any direction.
- CCT: 2700K ~ 6500K
- **Wireless controls w/SMART Dimming & Color tunable**

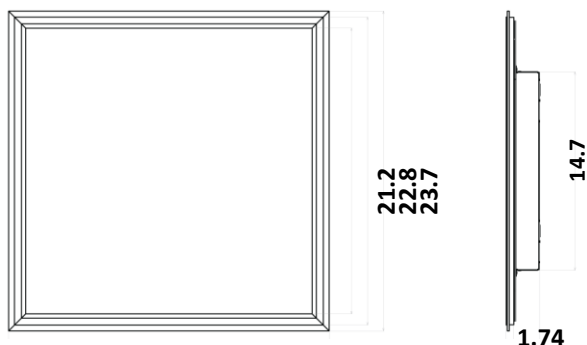
PRODUCT DESCRIPTION

Samjin's FTB Edge-Lit Flat Panel Series is designed for maximum uniformity with minimum glare. This minimalist design provides a biophilic illumination for various living environments. **Smart System is an advanced color tunable office lighting system that can provide daylight simulation between 2,700K to 6,500K, while dynamically interacting with both occupancy and photo sensors.**

APPLICATIONS

Office	Fitness Center
School	Retail
Healthcare	24 / 7 hr Operations

DIMENSIONS (Inches)



ORDERING INFORMATION

FET	22	-032	SK	CT	IUS
Model	Size	Wattage	CCT	CCT	Mounting
FET Edge Lit	22 2' x 2'	-32 032 W	SK Smart Kelvin Control	CT Color Tunable 2700 ~6500 K	IUS Recessed (Surface Mounted Frames Available)

Product Specification Options:

➤ SKCT SMART Wireless Dimming & Color Tunable

PERFORMANCE	FET22-032SKCTIUS
Light Output (lm)	3456.9 lm
Power (W)	30.47 W
Efficacy (lm/W)	113.45 lm/W
CCT (K)	2700 ~ 6500 Color Tunable
CRI (Ra)	> 84.8
Power Factor	> 0.9313
Input Voltage(V)	100 – 277 v

PHYSICAL INFO

Dimension (inches)	23.7"(L) x 23.7" (W) x 1.74"(H)
Weight (lb)	10.4 lb

INSTALLATION

Spacing Criteria	1.24 (0-180°)	1.24 (90°-270°)
Control	RF Controls – CCT Tunable	
Mounting	Recessed	

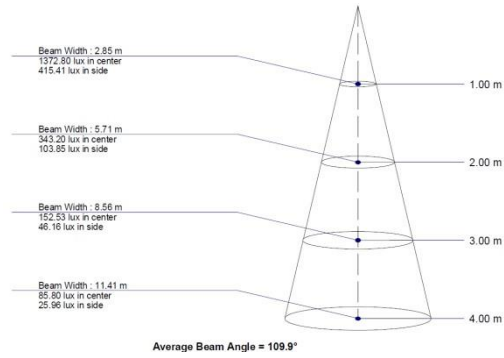
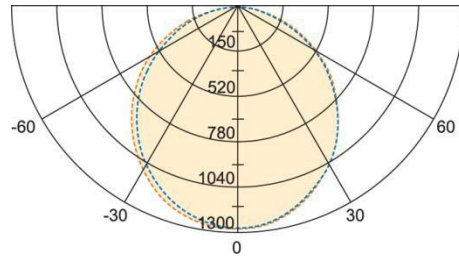
WARRANTY

5-Year Warranty (Terms and Conditions Apply)

CERTIFICATIONS & QUALIFICATIONS



LIGHT DISTRIBUTION & DISTANCE LUMINARY



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	Luminaire
0~30	1,217	32	32
30~60	1,937	50	50
60~90	685	18	18
0~90	3,840	100	100

COEFFICIENTS OF UTILIZATION

RC	90				70				50			0
	60	50	30	10	60	50	30	10	50	30	10	0
RW	60	50	30	10	60	50	30	10	50	30	10	0
RCR (0)	1.10	1.10	1.10	1.10	1.08	1.08	1.08	1.08	1.05	1.05	1.05	1.00
1	1.00	0.98	0.94	0.91	0.97	0.95	0.92	0.89	0.93	0.90	0.88	0.84
2	0.90	0.86	0.80	0.75	0.87	0.84	0.78	0.74	0.82	0.77	0.73	0.69
3	0.81	0.76	0.69	0.63	0.78	0.74	0.68	0.62	0.72	0.66	0.61	0.58
4	0.73	0.68	0.60	0.53	0.71	0.66	0.59	0.53	0.64	0.58	0.52	0.50
5	0.67	0.61	0.53	0.46	0.64	0.59	0.52	0.46	0.58	0.51	0.45	0.43
6	0.61	0.55	0.47	0.40	0.59	0.54	0.46	0.40	0.52	0.45	0.40	0.37
7	0.56	0.50	0.42	0.36	0.54	0.49	0.41	0.35	0.48	0.40	0.35	0.33
8	0.52	0.46	0.38	0.32	0.50	0.45	0.37	0.32	0.44	0.37	0.31	0.29
9	0.48	0.42	0.34	0.29	0.46	0.41	0.34	0.28	0.40	0.33	0.28	0.26
10	0.45	0.39	0.31	0.26	0.43	0.38	0.31	0.26	0.37	0.30	0.26	0.24

CR = Room Cavity Ratio
 RC = Effective Ceiling Cavity Reflectance
 RW = Wall Reflectance

SAMJIN LED FET Luminaire Series With an integral Emergency Battery Kit

FEATURES

SAMJIN LED Flat Panel recessed troffer luminaire with an integral **Philips Bodine Emergency LED Driver (BSL17C)** is configured with a 90-minute Battery Pack, compliant with the NFPA 101 Life Safety Code

Operation

When AC power fails, it immediately switches to the emergency mode, operating the LEDs for 90 minutes. When AC power restored the emergency driver automatically returns to normal mode. Recharge Time: 24Hrs.
Warranty: 5 years

Emergency LED Driver (BSL17C)

Performance Summary

Delivered Light Output: 1300 (PLUS) lumens
Input Voltage: 120-277VAC
Input Current: 60 [Hz]
Input Power: 3.0 W
Output Voltage: $V_o = 30\sim 80$ [VDC]
Output Current: $I_o = 200$ [mA] (Max)
Output Power: 7.0 W (Max)

Battery Sustainability Time

Illumination Time: 90 minute or more
Recharge Time: 24Hrs.
Test Switch: Indicator

Certification

UL 924 Issue:2006/02/24 Ed:9 Rev:2011/02/18 UL Standard for Safety Emergency Lighting and Power Equipment
CSA C22.2#141 Issue:2010/09/01 Ed:4 Unit Equipment for Emergency Lighting)



Ordering Information

Reference SAMJIN Troffer specsheets for ordering details.