

FRK4EA (2x2) 27W RETROFIT KIT Series



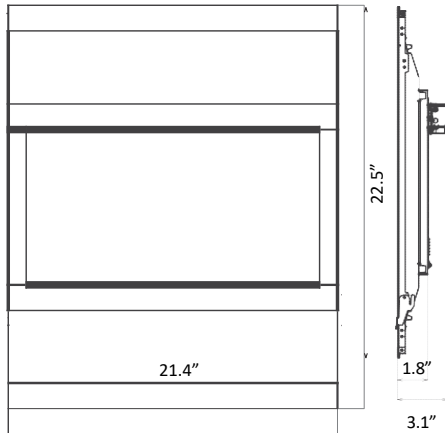
PRODUCT DESCRIPTION

Samjin's innovative architectural retrofit kit series can be retrofitted into most existing troffers in just 10 minutes. Welcoming white light from the edge-lit light source emanates the perfect ambience into the living environment. All retrofit kits are ready for 0-10v dimming and meets all rebate qualification standards.

APPLICATIONS

Office	Fitness Center
School	Retail
Healthcare	

DIMENSIONS



DM/ZT - 0~10 Volt Dimming

FRK Retrofit Kit series can be controlled with standard 0-10V LED dimmers. Tested 0-10V LED Dimmers include:

- Lutron – DIVA
- WattStopper - DLM

PERFORMANCE OVERVIEW

PERFORMANCE	FRK4EA-02735E10US
Light Output (Lm)	2,406
Power (W)	26.72
Efficacy (Lm/W)	90.04
CCT (K)	3,428
CRI	82.7
Power Factor	0.979
Input Voltage (V)	120-277

PHYSICAL INFO	
Dimension	21.4(L) x 22.5(W) x 3.1(H)
Weight	6 lb

INSTALLATION	
Spacing Criteria	1.26 (0-180°) / 1.28 (90°-270°)
Control	0-10V Dimming
Mounting	Retrofit Kit

WARRANTY	
5-Year Warranty (Terms and Conditions Apply)	

CERTIFICATIONS & QUALIFICATIONS



ORDERING INFORMATION

SAMJIN	FRK	4EA	027	35	E10
Brand	Model	Size	Wattage	CCT	Mounting
	Retrofit Kit	2' x 2'	027 27 watt	35 3500K 40 4000K 50 5000K	E10 Retrofit

U.S. Sales Partner ~ Controlled Lighting Corp.
 NY – 914-806-6684 ~ CA - 415-935-1346
sales@controlledlighting.net

SAMJIN LED Inc.
 900 Lane Avenue, Suite 170, Chula Vista, CA 91914
lighting@samjinled.com

Rev. 3/1/18
 Specifications subject to change without notice

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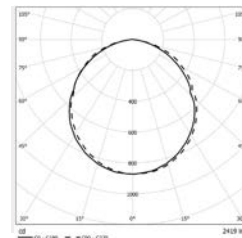
PHOTOMETRIC DATA: Name

Test No: #####
Test Date: 3/11/2013

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	Luminaire
0-30	675.9	27.9%	27.9%
0-40	1,106.0	45.7%	45.7%
0-60	1,941.3	80.3%	80.3%
60-90	477.5	19.7%	19.7%
0-90	2,418.8	100%	100%

POLAR CANDELA DISTRIBUTION



COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50			0
	70	50	30	0	70	50	30	0	50	30	20	0
RCR(0)	119	119	119	119	116	116	116	100	111	111	111	100
1	109	105	100	97	106	102	98	85	98	95	92	85
2	99	91	84	79	97	89	83	72	86	81	76	71
3	91	80	72	66	88	79	71	61	76	69	64	59
4	83	71	62	56	81	70	62	53	67	60	54	51
5	76	63	54	48	74	62	54	46	60	53	47	44
6	70	57	48	42	68	56	48	40	54	47	41	38
7	65	52	43	37	64	51	43	36	49	42	36	34
8	61	47	39	33	59	47	38	32	45	38	33	30
9	57	43	35	30	55	43	35	29	42	34	29	27
10	53	40	32	27	52	39	32	26	38	31	27	25

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

Rev. 03/15/2015

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