

FRK6EA (2x4) 25W & 45W RETROFIT KIT Series



Winner of 2014 "DOE" Next Generation Luminaires Design Competition

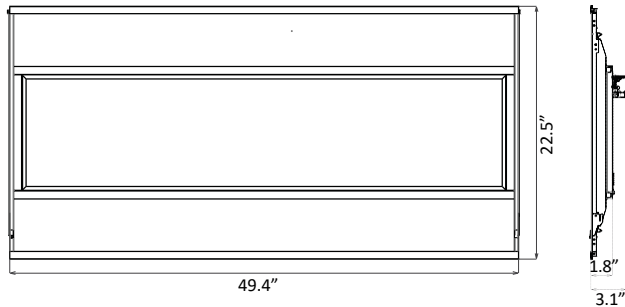
PRODUCT DESCRIPTION

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	FRK6EA-02535E10US	FRK6EA-04535E10US
Light Output (Lm)	2,356	4,263
Power (W)	26.02	45.86
Efficacy (Lm/W)	90.55	92.96
CCT (K)	3,547	3,563
CRI	82.8	83.8
Power Factor	0.972	0.988
Input Voltage (V)	120-277	120-277

PHYSICAL INFO

Dimension	49.4"(L) x 22.5"(W) x 3.1(H)
Weight	11 lb

INSTALLATION

Spacing Criteria	1.26 (0-180°) / 1.20 (90°-270°)
Control	0-10V Dimming
Mounting	Retrofit Kit

WARRANTY

5-Year Warranty (Terms and Conditions Apply)

CERTIFICATIONS & QUALIFICATIONS



DLC Listed
Only 2x4 45W



ORDERING INFORMATION

SAMJIN	FRK	6EA	-025	35	E10
Brand	Model	Size	Wattage	CCT	Mounting
	Retrofit Kit	6EA 2' x 4'	-025 25 watt -045 45 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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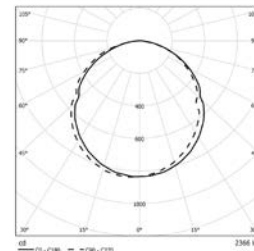
PHOTOMETRIC DATA: FRK6EA-02535E10US

Test No: 2675716-04
Test Date: 12/03/2013

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	Luminaire
0-30	646.8	27.3%	27.3%
0-40	1,060.0	44.8%	44.8%
0-60	1,868.8	79.0%	79.0%
60-90	496.8	21.0%	21.0%
0-90	2,365.6	100%	100%

POLAR CANDELA DISTRIBUTION



COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50			0
	RW	70	50	30	0	70	50	30	0	50	30	20
RCR(0)	119	119	119	119	116	116	116	100	111	111	111	100
1	109	104	100	96	106	102	98	85	98	94	91	84
2	99	91	84	78	96	89	82	71	85	80	75	70
3	90	80	71	65	88	78	70	60	75	68	63	59
4	82	70	62	55	80	69	61	52	67	59	54	50
5	76	63	54	47	74	62	53	45	60	52	46	43
6	70	57	48	41	68	56	47	40	54	46	41	38
7	65	51	42	36	63	50	42	35	49	41	36	33
8	60	47	38	32	59	46	38	32	45	37	32	30
9	56	43	35	29	55	42	34	28	41	34	29	27
10	53	40	32	26	52	39	31	26	38	31	26	24

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

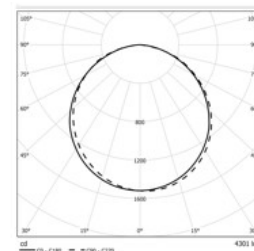
PHOTOMETRIC DATA: FRK6EA-04535E10US

Test No: 2675716-06
Test Date: 12/03/2013

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	Luminaire
0-30	1,176.50	27.40%	27.40%
0-40	1,926.60	44.80%	44.80%
0-60	3,406.00	79.20%	79.20%
60-90	894.8	20.80%	20.80%
0-90	4,300.80	100%	100%

POLAR CANDELA DISTRIBUTION



COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50			0
	RW	70	50	30	0	70	50	30	0	50	30	20
RCR(0)	119	119	119	119	116	116	116	100	111	111	111	100
1	109	104	100	96	106	102	98	85	98	94	91	84
2	99	91	84	78	96	89	83	71	85	80	75	70
3	90	80	71	65	88	78	70	60	75	68	63	59
4	82	70	62	55	80	69	61	52	76	59	54	50
5	76	63	54	47	74	62	53	45	60	52	46	43
6	70	57	48	41	68	56	47	40	54	46	41	38
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