

RETROFIT KIT 2x2 Series (27W)



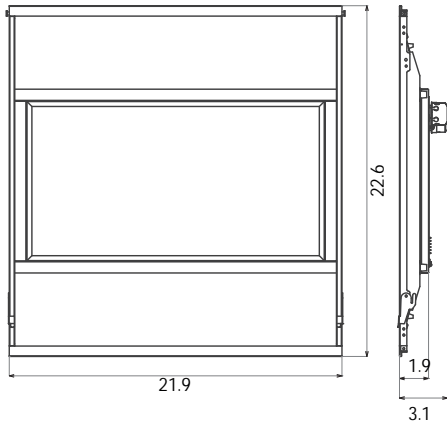
PRODUCT DESCRIPTION

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

School Retail

DIMENSIONS



PERFORMANCE OVERVIEW

| PERFORMANCE | FRK4EA-02735E10US |
|-------------------|-------------------|
| Light Output (Lm) | 2,406 |
| Efficiency (Lm/W) | 90 |
| CRI | 83 |
| Input Voltage (V) | 120-277 |

| PHYSICAL INFO | |
|------------------|-------------------------------|
| Dimension (inch) | 21.9 (L) x 22.6 (W) x 3.1 (H) |

| INSTALLATION | |
|------------------|---------------------------------|
| Spacing Criteria | 1.26 (0-180°) / 1.28 (90°-270°) |
| Mounting | Retrofit Kit |

| WARRANTY | |
|--|--|
| 5-Year Warranty (Terms and Conditions Apply) | |

CERTIFICATIONS & QUALIFICATIONS



ORDERING INFORMATION

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

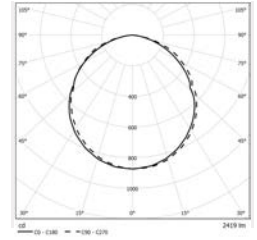
PHOTOMETRIC DATA: FRK4EA-02735E10US

Test No: 2692334-01
Test Date: 1/8/2014

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 |
| RW | 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