

## INTENDED USE

The Alcon 14029 Selectable CCT and Wattage Linear Surround Frame Light Fixture integrates seamlessly into T-bar ceilings, delivering high-CRI illumination for offices, classrooms, hotels, malls, and medical facilities. Its field-adjustable design allows selection of five color temperatures and three wattage levels, ensuring tailored performance and energy efficiency. With precision optics for smooth, uniform light, it provides a versatile solution for both public and back-of-house applications.

## FEATURES

**Construction:** Extruded aluminum frame with white finish

**Lens:** Edge-lit frosted acrylic diffuser

**Beam Angle:** 120° Wide

**Mounting:** Recessed T-Bar Grid

**Color Temperature:** 30/35/40/50/65K selectable switch

**Wattage:** 20/30/40W or 40/50/60W selectable switch

**Efficacy:** Up to 132 lm/W

**Voltage:** 120–277V

**Driver:** 0–10V

**Operating Temperature:** –4°F to 113°F (–20°C to 45°C)

**THD:** <20%

**Power Factor:** >0.9

**Emergency Battery:** Internal with 90 minutes of operation

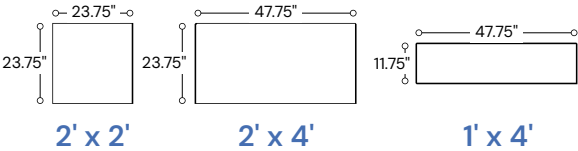
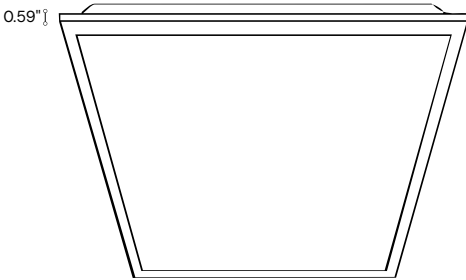
**CRI:** 80+

**Life:** 50,000 Hours (L70)

**Warranty:** 5 Years carefree for parts & components

(Labor not included)

**Listings:** cULus, Damp Location listed



## ORDERING INFORMATION Example:

| Model | Size        | Wattage Selectable | Options                           |
|-------|-------------|--------------------|-----------------------------------|
| 14029 | 14 1x4 Foot | 40 20W / 30W / 40W | EM8 8W Internal Emergency Battery |
|       | 22 2x2 Foot | 60 40W / 50W / 60W |                                   |
|       | 24 2x4 Foot |                    |                                   |

## PERFORMANCE DATA

### 20/30/40W

| Wattage | CCT   | Lumens | LPW |
|---------|-------|--------|-----|
| 40W     | 3000K | 4800   | 120 |
|         | 3500K | 5000   | 125 |
|         | 4000K |        |     |
|         | 5000K |        |     |
|         | 6500K |        |     |
| 30W     | 3000K | 3960   | 122 |
|         | 3500K | 3810   | 127 |
|         | 4000K | 3840   | 128 |
|         | 5000K |        |     |
|         | 6500K |        |     |
| 20W     | 3000K | 2500   | 125 |
|         | 3500K | 2600   | 130 |
|         | 4000K | 2640   | 132 |
|         | 5000K |        |     |
|         | 6500K |        |     |

### 40/50/60W

| Wattage | CCT   | Lumens | LPW |
|---------|-------|--------|-----|
| 60W     | 3000K | 7200   | 120 |
|         | 3500K | 7500   | 125 |
|         | 4000K |        |     |
|         | 5000K |        |     |
|         | 6500K |        |     |
| 50W     | 3000K | 6100   | 122 |
|         | 3500K | 6350   | 127 |
|         | 4000K | 6400   | 128 |
|         | 5000K |        |     |
|         | 6500K |        |     |
| 40W     | 3000K | 5000   | 125 |
|         | 3500K | 5200   | 130 |
|         | 4000K | 5280   | 132 |
|         | 5000K |        |     |
|         | 6500K |        |     |

## ELECTRICAL DATA

### 20/30/40W

| Driver Current (mA) | Nominal Power (W) | Input Voltage (V) | Current (A) |
|---------------------|-------------------|-------------------|-------------|
| 950                 | 40                | 120               | 0.33        |
|                     |                   | 208               | 0.19        |
|                     |                   | 240               | 0.17        |
|                     |                   | 277               | 0.14        |

### 40/50/60W

| Driver Current (mA) | Nominal Power (W) | Input Voltage (V) | Current (A) |
|---------------------|-------------------|-------------------|-------------|
| 1450                | 60                | 120               | 0.5         |
|                     |                   | 208               | 0.29        |
|                     |                   | 240               | 0.25        |
|                     |                   | 277               | 0.22        |

COMPATIBLE DIMMERS

|        |                                                                      |
|--------|----------------------------------------------------------------------|
|        | <div><div>ALCON</div><div>LIGHTING</div></div>                       |
| 0-10 V | <a href="#">2100</a><br><a href="#">2101</a><br><a href="#">2102</a> |

COLOR TEMPERATURE GUIDE

2700K

WARM WHITE

friendly  
personal  
intimate

HOMES  
LIBRARIES  
RESTAURANTS

X

3000K

SOFT WHITE GLOW

soft  
warm  
pleasing

HOMES  
HOTEL ROOMS  
LOBBIES  
RETAIL STORES

✓

3500K

NEUTRAL GLOW

sociable  
inviting  
non-threatening

EXECUTIVE OFFICES  
RECEPTION AREAS  
SUPERMARKETS

✓

4000K

COOL WHITE GLOW

neat  
clean  
efficient

OFFICES  
CLASSROOMS  
MASS MERCHANDISERS  
SHOWROOMS

✓

5000K

DAYLIGHT GLOW

bright  
cool  
alert

GRAPHICS INDUSTRY  
HOSPITALS  
GALLERIES  
BEAUTY SALONS

✓