

FLUXWERX®

SPECIFICATION DATA  
TRANSOM 2x2 (TR1-22)

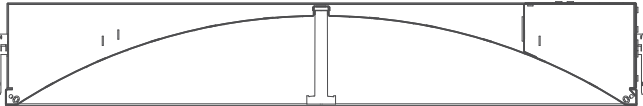
CATALOG #

PROJECT

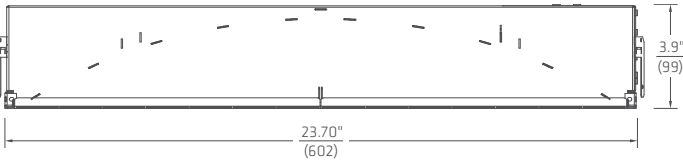
NOTES



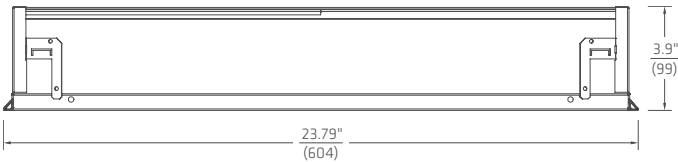
CROSS SECTION



DIMENSIONS



FRONT VIEW



SIDE VIEW

PERFORMANCE SUMMARY

	A	B	C
Light (lm)	2650	3200	4050
Energy (W)	23	29	38
Efficacy (lm/W)	113	110	104
Color Rendering (CRI)	80+		
Color Accuracy (SDCM)	< 2		
L70 Estimate (h)	200,000		
Lumen Maintenance per TM21 (@ 60,000 h)	L90		

Summary values are nominal and based on 4000K CCT.  
DLC qualified for each lumen output (A, B, C) in 3000K, 3500K and 4000K.

FEATURES

- Luminous, transparent vertical lens is framed by a clear anodized aluminum rail.
- Innovative Anidolic optics produce a visually comfortable, controlled optical distribution.
- Priced for a wide range of real-world projects.
- Available in three sizes – 2x2, 1x4 & 2x4 – to suit a variety of applications and spaces.
- Up to 10' x 10' spacing, capable of delivering close to 40 fc at less than 0.4 W/ft².
- Suitable for both T-Grid and drywall ceilings, using optional Trim or Trimless flange kits.



# SPECIFICATION DATA

## TRANSOM 2x2 (TR1-22)

### ORDER GUIDE

1	2	3	4	5	6	OPTIONS	CONTROLS
TR1	22						

1 FAMILY	2 SIZE	3 ENERGY <sup>2</sup>	4 CCT	5 DRIVER
TR1 Transom	14 1 x 4	A 23 W	30 3000 K	F1 Non-Dim
	▶22 2 x 2	B 29 W	35 3500 K	F2 0-10 V Dim 3%
	24 2 x 4	C 38 W	40 4000 K	E1 eidoLED ECO 0-10 V Dim 1%
	52 20" x 24"	D 47 W <sup>3</sup>		E2 eidoLED SOLO 0-10 V Dim 0.1%
	54 20" x 48" <sup>1</sup>			E3 eidoLED ECO DALI Dim 1%
				E4 eidoLED SOLO DALI Dim 0.1%
				L1 Lutron Hi-Lume 1% EcoSystem (LDE1)
	<sup>1</sup> Optional filler panels available for 20 x 60.	<sup>2</sup> Nominal input power. Add 4 W for 347 V with E1-4/L1. <sup>3</sup> 1 x 4   2 x 4   20 x 48 only.		

6 VOLTAGE	OPTIONS <sup>5</sup>	CONTROLS
M 120-277 V	B Battery Pack	RE1 Remote Enlighted Smart Sensor
3 347 V <sup>4</sup>	C Chicago Plenum	VN1 Acuity nLight Converter
	F 6' Flex Whip	
	H Emergency Switching (GTD or Controller)	
	K1 Drywall Flange Kit - Trim	
	K2 Drywall Flange Kit - Trimless	
<sup>4</sup> 347 V Driver for F1/F2, 347 V Transformer & Driver for E1-4/L1.	<sup>5</sup> BP & GTD available for 120-277 V.	

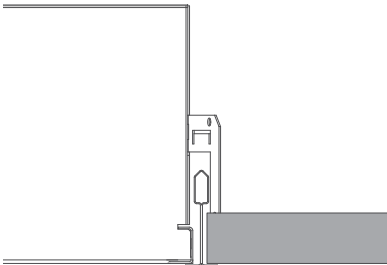
PRODUCT DETAILS



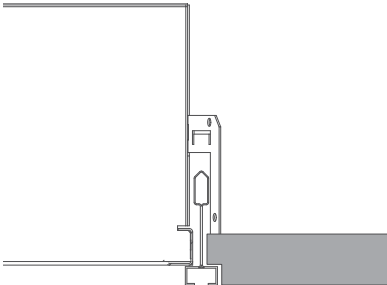
LINEAR ANIDOLIC OPTIC

CEILING INTEGRATION

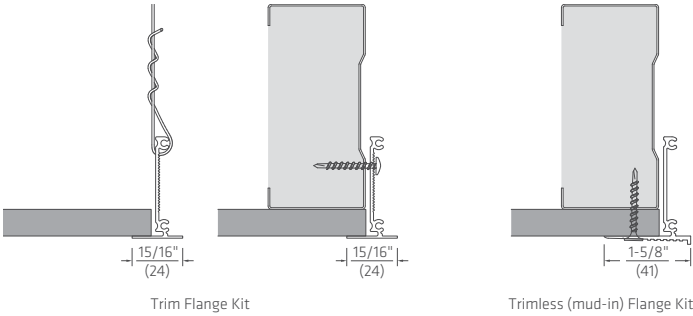
FLAT GRID



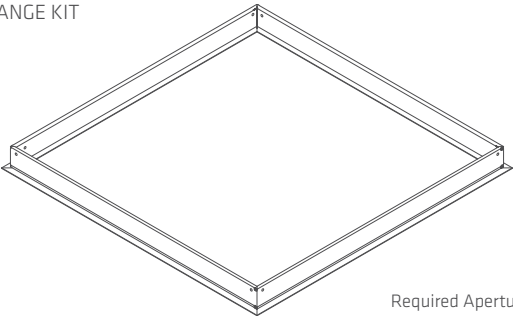
SLOT GRID



DRYWALL



DRYWALL FLANGE KIT



Required Aperture:  $\frac{24.5}{622} \times \frac{24.5}{622}$

SPECIFICATION DATA  
TRANSOM 2x2 (TR1-22)

## NOTES

## CONSTRUCTION

- Clear anodized aluminum lower rail
- Formed 22 ga. steel housing
- Quick wire access plate and integral seismic restraint tabs/tie-offs
- Optional drywall trim or trimless (mud-in) flange kits
- High reflectance diffuse white textured powdercoat

## OPTICAL

- Anidolic optical structures with linear light extraction elements
- Precision molded high transmittance clear acrylic lenses
- Long life LED system designed for typical TM21 lumen maintenance  $\geq$  L90 @ 60,000 h
- Available in CCTs 3000 K, 3500 K or 4000 K with CRI  $\geq$  80 and R9  $\geq$  0, all with color accurate binning  $\leq$  2 SDCM

## ELECTRICAL

- Integral high efficiency drivers for 50–60 Hz, 120–277 V or 347 V
- Power Factor  $> 0.90$
- Total Harmonic Distortion  $< 20\%$
- Dim level: Standard 3%, optional 1% or 0.1%
- Optional Battery Pack delivers 10 W Class 2 rated output for 90 min. Use 12 W input energy to estimate emergency flux, typically 1150–1750 lm (@100–150 lm/W).
- Optional GTD (Generator Transfer Switch), 120–277 V, disables 0–10 V control during emergency for full light output
- Optional flex whip: 6' prewired
- Surge Protection: Meets ANSI C82.11 spec and ANSI/IEEE C62.41
- Inrush Current: Meets NEMA 410

## ENVIRONMENTAL &amp; CARE

- Designed for use in dry or damp indoor locations with ambient temperatures of 0–30° C (32–86° F)
- Not suitable for natatorium environments, e.g. swimming pools, hot tubs and saunas. The luminaire may be damaged by chemicals such as chlorine, solvents, ammonia, alcohol or sulfur in the area of operation or in cleaning products. Damage from contaminants is not covered under warranty.
- Clean only by wiping with a slightly water-damp, soft, clean cloth.

## WEIGHT

- Maximum 14 lbs (6.4 kg) with standard driver
- Maximum 18 lbs (8.2 kg) with battery pack or 347 V transformer

## WARRANTY

- 5 year limited warranty on all components and workmanship

## INDEPENDENT TESTING

- IESNA LM79
- IESNA LM80 (LED @ 9,000 or 10,000 h)

## APPROVALS

- UL Listed (USA + Canada)
- CCEA Chicago Plenum
- IC Rated
- Lighting Facts®
- DesignLights Consortium®  
*Most options DLC qualified, please check catalog number in the QPL list ([www.designlights.org/QPL](http://www.designlights.org/QPL))*

## CONTROLS &amp; SENSORS

Fluxwerx products are designed for simple integration with a wide range of sensors, lighting controls and building management systems. Many projects incorporate occupancy sensing, daylight harvesting, individual or central adjustment of light levels and luminaire or space monitoring in order to save energy, reduce costs and maximize occupant comfort. Fluxwerx offers a number of standard driver and controller options to support various wired and wireless network protocols.

## enlighted™

Enlighted wireless, networked smart sensor integrates occupancy sensing, daylight harvesting, energy usage, temperature and light level control. Option: Remote Enlighted sensor (RE1), Model: SU-5E-CL

## nLIGHT

nLight wired, 2-way network supports luminaire light level control as well as occupancy and daylight sensors. Option: Acuity nLight Converter (VN1), Model: nPS-80-EZ or nPS-80-EZ-ER

## eldoLED®

EldoLED drivers support common wired protocols, 0–10 V and DALI. They also provide access to finer dimming control, dynamic white and Bluetooth low-energy (BLE) wireless. Options: ECO 1% (E1), SOLO 0.1% (E2)

## LUTRON®

Lutron EcoSystem network protocol enables on/off, dimming, occupancy sensing and daylight harvesting. Option: Hi-Lume 1% EcoSystem (L1), Model: LDE1

legrand® Wattstopper® Pass &amp; Seymour

LEVITON® EATON® DISTECH CONTROLS™

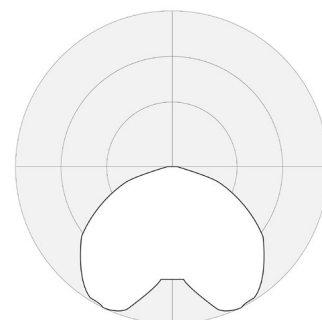
CRESTRON®

# SPECIFICATION DATA

## TRANSOM 2x2 (TR1-22)

### PERFORMANCE DATA

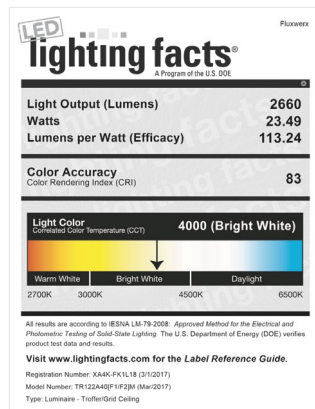
A 23 W	CCT	LIGHT (lm)	ENERGY (W)	EFFICACY (lm/W)	(CRI)	COLOR ACCURACY (R9)	(SDCM)
VERSION <b>TR1-22A40</b>	4000 K	2660	23.49	113.2	83.6	11.4	< 2
	3500 K	2599	23.49	110.6	83.6	11.4	
	REPORT 11555052.09	3000 K	2514	23.57	81.9	3.4	
B 29 W	CCT	LIGHT (lm)	ENERGY (W)	EFFICACY (lm/W)	(CRI)	COLOR ACCURACY (R9)	(SDCM)
VERSION <b>TR1-22B40</b>	4000 K	3220	29.16	110.4	83.6	11.2	< 2
	3500 K	3146	29.16	107.9	83.6	11.2	
	REPORT 11555052.10	3000 K	3071	29.16	81.5	2.1	
C 38 W	CCT	LIGHT (lm)	ENERGY (W)	EFFICACY (lm/W)	(CRI)	COLOR ACCURACY (R9)	(SDCM)
VERSION <b>TR1-22C40</b>	4000 K	4074	39.24	103.8	83.6	10.9	< 2
	3500 K	3980	39.24	101.4	83.6	10.9	
	REPORT 11555052.13	3000 K	3886	39.43	81.5	2.1	



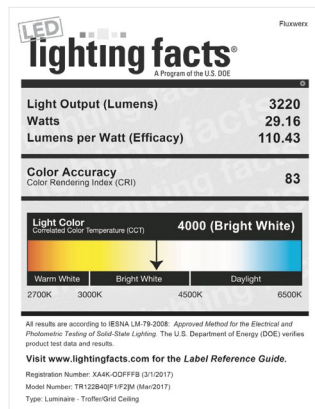
100% Dn  
Transom Recessed  
TR1-22  
4000 K

Integrating Sphere and Photometric results at 3000 and 4000K by an independent accredited testing laboratory per IES LM-79-2008 and ANSI C78.377-2011. Results for 3500K scaled based on integrating sphere results at 38W (C). Candlepower Distribution scaled per total lumens of Integrating Sphere results.

TR1-22A40



TR1-22B40



TR1-22C40

