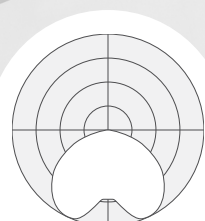


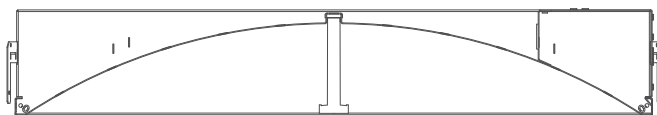
FLUXWERX®

SPECIFICATION DATA TRANSOM 2x4 (TR124)

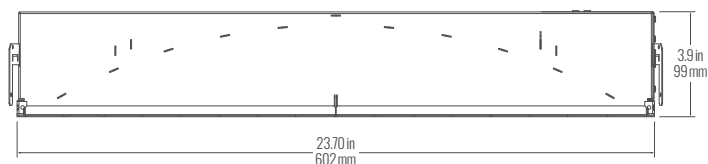


100% Dn

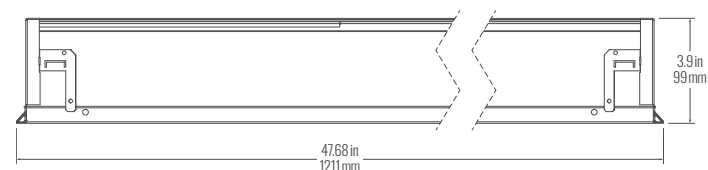
CROSS SECTION



DIMENSIONS



FRONT VIEW



SIDE VIEW

CATALOG

PROJECT

NOTES

PERFORMANCE FOCUS

80 CRI 4000 K (TR124x40)

	Energy (W)	Light (lm)	Efficacy (lm/W)
A	22 W	2600	121
B	27 W	3250	121
C	34 W	4100	120
D	43 W	5000	118

Color Matching (SDCM)	Lumen Maintenance (hr)	
	L90 per TM21	L70 Estimate
< 2	> 60,000	> 200,000

Nominal values, refer to back pages for full performance data.

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 five sizes – 2x2, 1x4, 2x4, 20"×2 and 20"×4 – 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 2x4 (TR124)

ORDER GUIDE

1	2	3	4	5	6	OPTIONS	CONTROLS
TR1	24						

1	FAMILY	2	SIZE	3	ENERGY ²	4	CRI-CCT	5	DRIVER
TR1	Transom	14	1 x 4	A	22 W	30	80 CRI 3000 K	F1	Non-Dim
		22	2 x 2	B	27 W	35	80 CRI 3500 K	F2	0-10 V Dim 3%
		▶ 24	2 x 4	C	34 W	40	80 CRI 4000 K	F4	Line Voltage Dim (Fwd/Rev) 3% 120 V
		52	20" x 24"	D	43 W	93	90 CRI 3000 K	E1	eldoLED ECO 0-10 V Dim 1%
		54	20" x 48" ¹			90	90 CRI 3500 K	E2	eldoLED SOLO 0-10 V Dim 0.1%
						94	90 CRI 4000 K	E3	eldoLED ECO DALI-2 DT6 Dim 1%
								E4	eldoLED SOLO DALI-2 DT6 Dim 0.1%
								L1	Lutron Hi-Lume 1% EcoSystem (LDE1)

¹ Optional filler panels available for 20 x 60.

² Nominal input power. Add 4 W for Battery Pack or 347 V

6	VOLTAGE	OPTIONS ⁵	CONTROLS
M	120-277 V	B Battery Pack	RE1 Remote Enlighted Smart Sensor
1	120 V ³	C Chicago Plenum	VN1 Acuity nLight Converter
2	277 V ³	F 6' Flex Whip	
3	347 V ⁴	H Emergency Switching (GTD or Controller)	
		K1 Drywall Flange Kit - Trim	
		K2 Drywall Flange Kit - Trimless	

³ Fixed voltage only for (F4) Line Dim Driver or nLight controls.

⁴ 347V transformer.

⁵ BP & GTD available for 120-277V.

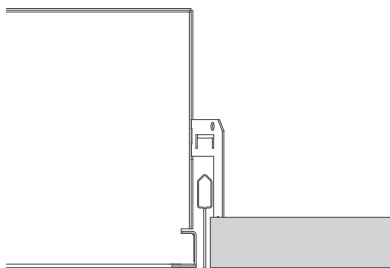
PRODUCT DETAILS



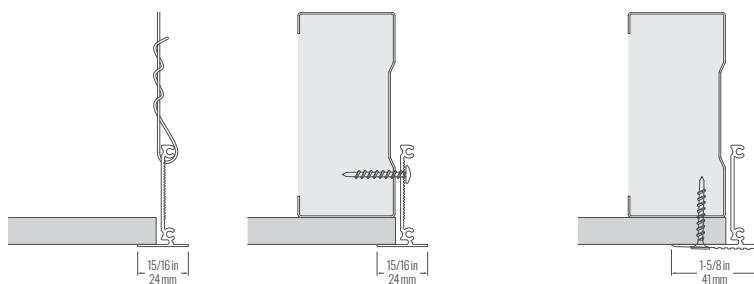
LINEAR ANIDOLIC OPTIC

CEILING INTEGRATION

FLAT GRID



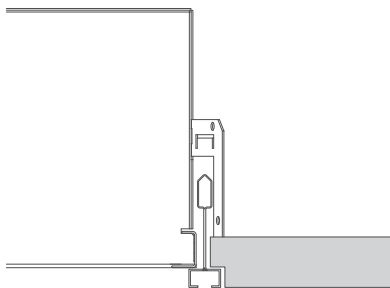
DRYWALL



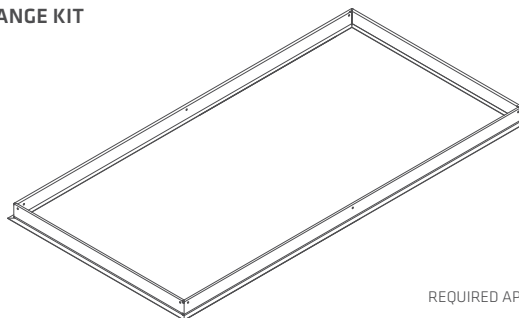
TRIM FLANGE KIT

TRIMLESS (MUD-IN) FLANGE KIT

SLOT GRID



DRYWALL FLANGE KIT



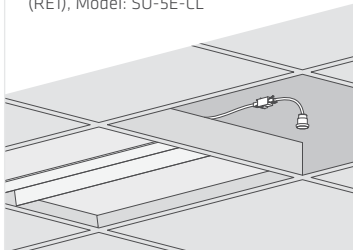
REQUIRED APERTURE: 24.5 x 48.5 in
622 x 1232 mm

CONTROLS & 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.

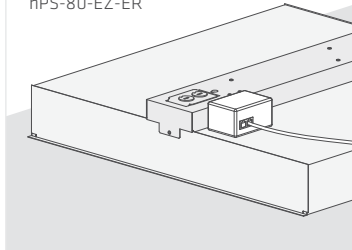
enlighted™

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, 0-10V 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®

LEVITON®

Wattstopper®

DISTECH
CONTROLS

Pass & Seymour®

EATON®

CRESTRON®

SPECIFICATION DATA

TRANSOM 2x4 (TR124)

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 3000K, 3500K, 4000K with CRI \geq 80 and R9 \geq 0, or CRI \geq 90 and R9 \geq 50, all with color accurate binning \leq 2 SDCM

ELECTRICAL

- Integral high efficiency drivers for 50–60 Hz, 120–277 V and transformer for 347 V
- Power Factor $>$ 0.90
- Total Harmonic Distortion $<$ 20%
- Dim level: Standard 3%, optional 1% or 0.1%
- Optional flex whip: 6' prewired
- Surge Protection: Meets ANSI C82.11 spec and ANSI/IEEE C62.41
- Inrush Current: Meets NEMA 410

EMERGENCY

- 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

ENVIRONMENTAL & CARE

- Designed for use in dry or damp indoor locations with ambient temperatures of 0–30° C (32–86° F)
- 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.
- Not suitable for natatorium environments, e.g. swimming pools, hot tubs and saunas.
- Clean only by wiping with a slightly water-damp, soft, clean cloth.

WEIGHT

- Maximum 27 lbs (12.3 kg) with standard driver
- Maximum 31 lbs (14.1 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
- DesignLights Consortium®
Most options DLC qualified, please check catalog number in the QPL list (www.designlights.org/QPL)

Protected by one or more US patents: 10215344, 10830415, 9733411, 9823406, D698973; EU patents: 002260752-0001, 002260752-0002, 002260752-0003.

DRIVERS + EMERGENCY

STANDARD DRIVER OPTIONS	
  	F1 Non-Dim F2 0–10 V Dim 3% F4 Line Voltage Dim 3% (Forward/Reverse) 120 V
	E1 eldoLED ECO 0–10 V Dim 1% E2 eldoLED SOLO 0–10 V Dim 0.1% E3 eldoLED ECO DALI-2 DT6 Dim 1% E4 eldoLED SOLO DALI-2 DT6 Dim 0.1%
	L1 Lutron Hi-Lume 1% EcoSystem (LDE1)

EMERGENCY OPTIONS	
 	B Battery Pack Bodine BSL310 (10 W) H Emergency Switching Functional Devices ESRB Emergency Lighting Relay

Driver and emergency selection may be limited by product or version.
For further options, contact Fluxwerx.

SPECIFICATION DATA

TRANSOM 2x4 (TR124)

FAMILY PERFORMANCE

COLOR

80 CRI	4000 K	3500 K	3000 K
Color Rendering (CRI)	82	82	82
Red Index (R9)	2	1	1
Fidelity (TM-30 R _f)	84	85	85
Gamut (TM-30 R _g)	97	96	96
Color Matching (SDCM)	< 2		

90 CRI	4000 K	3500 K	3000 K
Color Rendering (CRI)	94	94	94
Red Index (R9)	77	76	76
Fidelity (TM-30 R _f)	90	91	91
Gamut (TM-30 R _g)	99	98	98
Color Matching (SDCM)	< 2		

Typical colorimetry values.

LUMEN MAINTENANCE

	A 22 W	B 27 W	C 34 W	D 43 W
L90 per TM-21 (hr)	> 60,000			
L70 Estimate (hr)	> 200,000			

OUTPUT MULTIPLIERS

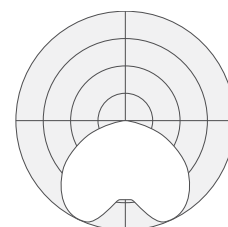
MULTIPLIER		Applies To
90 CRI	0.84	All 80 CRI
Battery Pack	0.55	Energy A (22 W)

For 90 CRI or emergency BP, use multipliers to scale published Light (lm), Efficacy (lm/W), Intensity (Cd), Luminance (Cd/m²) and photometric files.

VERSION PERFORMANCE

TR124 - 80 CRI

CONFIGURATION			LIGHT & POWER				VISUAL COMFORT			LIGHT DISTRIBUTION
CCT	ENERGY (NOM.)		LIGHT (lm)	POWER (W)	EFFICACY (lm/W)	MAX BEAM INTENSITY (Cd)	MAX INTENSITY 45-90° (Cd)	MAX LUMINANCE 45-90° (Cd/m ²)	UGR (4H x 8H)	
TR124x40 4000 K	A	43 W	2612	21.55	121.2	833	691	1,450	18.5	
	B	27 W	3247	26.88	120.8	1,035	859	1,800	19.3	
	C	34 W	4083	33.97	120.2	1,302	>1,000	2,260	20.1	
	D	43 W	5027	42.57	118.1	1,602	>1,000	2,780	20.8	
TR124x35 3500 K	A	43 W	2577	21.55	119.6	822	682	1,430	18.5	
	B	27 W	3204	26.88	119.2	1,021	847	1,770	19.3	
	C	34 W	4029	33.97	118.6	1,284	>1,000	2,230	20	
	D	43 W	4960	42.57	116.5	1,581	>1,000	2,750	20.8	
TR124x30 3000 K	A	43 W	2542	21.30	119.4	810	672	1,410	18.4	
	B	27 W	3160	26.57	119.0	1,007	836	1,750	19.2	
	C	34 W	3974	33.57	118.4	1,267	>1,000	2,200	20	
	D	43 W	4893	42.07	116.3	1,560	>1,000	2,710	20.7	



Transom Recessed
100% Dn

Photometry Reports: 14538129.11, 14538129.12, 14538129.13, 14538129.14A, 14538129.15

Photometry baseline established with integrating sphere and goniophotometer results from an independent accredited testing laboratory per IES LM-79-2008, ANSI C78.377-2017. Remaining table values scaled from baseline data.