

TDJA-EDU 2x4

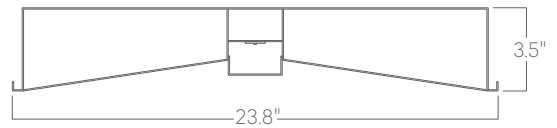


Our architectural troffers offer a variety of standard sizes and features suitable for any modern space.

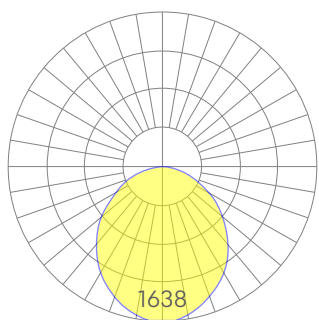
Features

- Cold-rolled steel housing
- Specifiable color temperature. CRI > 90, R9 >50
- Integral, specifiable dimmable drivers or PoE
- 5 Year, 50,000 hour warranty
- WELL Building Standard compatible [learn more](#)

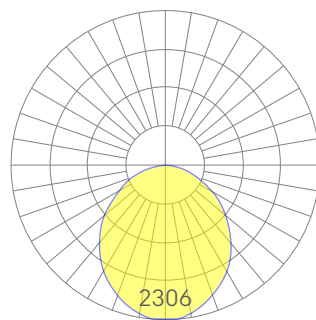
Dimensions



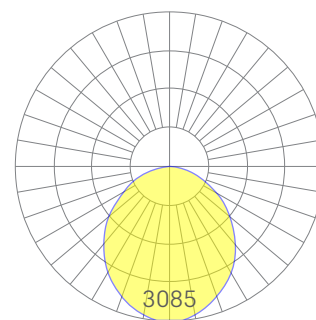
Optics



low



medium



high

Representative distribution and peak candela. For other options see order information or IES files [here](#).

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Ordering Information



Example: TDJA - X - 35 - MED - UNV - DB - W - AC - SD - CCS - DAYCKT - NA

Fixture ID	1	Size	2	Color Temperature	3	Output	4
TDJA		2x4		27 2700K/90 CRI 30 3000K/90 CRI 35 3500K/90 CRI 40 4000K/90 CRI 50 5000K/90 CRI WD ¹ Warm Dim 2200K-3000K TW ² Tunable White 2700K-6500K <small>¹Must use WD10 driver ²Must use TW10 or PSQ driver</small>		LOW Low output MED Medium output HIGH High output CUST Custom output ¹ <small>¹consult factory</small>	
Voltage	5	Driver	6	Finish	7	Mounting	8
UNV Universal (120/277V) 347V ¹ 347V <small>¹Must use DB Driver</small>		DB Standard 0-10V 1% DB.1% 0-10V 0.1% ELV 2-wire 1% (120V only) TRI Forward phase (120V only) LDE1 Lutron Digital EcoSystem DALI DALI-2 Driver PoE Power over ethernet. TW10 Dual channel, 0-10V for tunable white. WD10 0-10V Warm Dim PSQ Lutron T-Series 2-channel 1% for tunable white DMX ¹ DMX512 <small>¹Set to default address 001. RDM capable. Contact us for other addressing needs.</small>		W White CC ¹ Custom Color <small>¹Custom Color. See finish options here.</small>		T 9/16" Tee Grid T15 15/16" Tee Grid SG Slot Grid/Interlude F Flange	
Optics	9	Sensors/Controls	10	Circuit	11	Options	12
SD Standard Diffuser <small>Consult factory for other options</small>		NA None ACM Acuity nLight Module Only CCS Casambi Module		NA None EM120V Emergency Pack EM277V Emergency Pack EMCKT Emergency Circuit DAYCKT Daylight Circuit		WH6 6ft whips preinstalled	

Performance

Output ¹	Watts	Lumens
Low	40	4161
Medium	58	5858
High	80	7837

¹Based on a typically configured 90 CRI, 3500K luminaire using one driver.

Custom outputs available. Please consult factory.
For 4000K multiply by 1.05; for 3000K 0.96; for 2700K, 0.92

Technical Information



click [here](#) or scan QR code

Wiring diagrams, PoE and sensor details

Modification date: October, 2021

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Drivers & Electrical

Integral drivers* with 0-10V Dimming standard. Several other driver options available; see ordering information.

*DMX drivers are provided in remote enclosures.

Emergency Back-Up

Emergency, battery-powered drivers are available. Emergency circuits for use with building generators are also available.

PoE (Power over Ethernet)

Compatible with virtually all PoE systems including Molex Coresync, Igor, Smartengine, Platformatics, and NuLED SPICEbox. Consult Factory for systems not listed, See [here](#) for more info.

Weight

25 lbs

Optics

Acrylic lens provides excellent diffusion, high transmission, and no LED imaging.

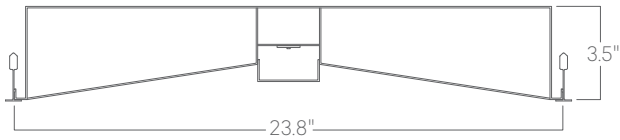
Construction

Cold-rolled steel.

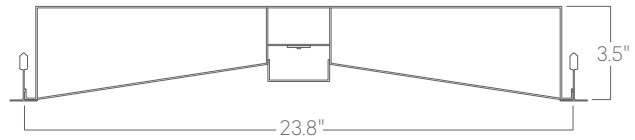
Finishes

All luminaires are finished in high quality polyester powder coating. Our standard color is white. Any RAL color may be specified.

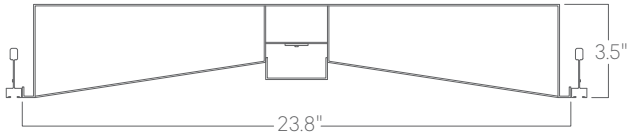
Mounting Options



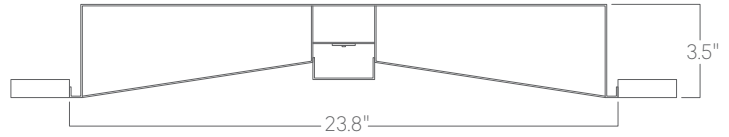
T
9/16" tee grid



T15
15/16" tee grid



SG
slot grid



F
flange

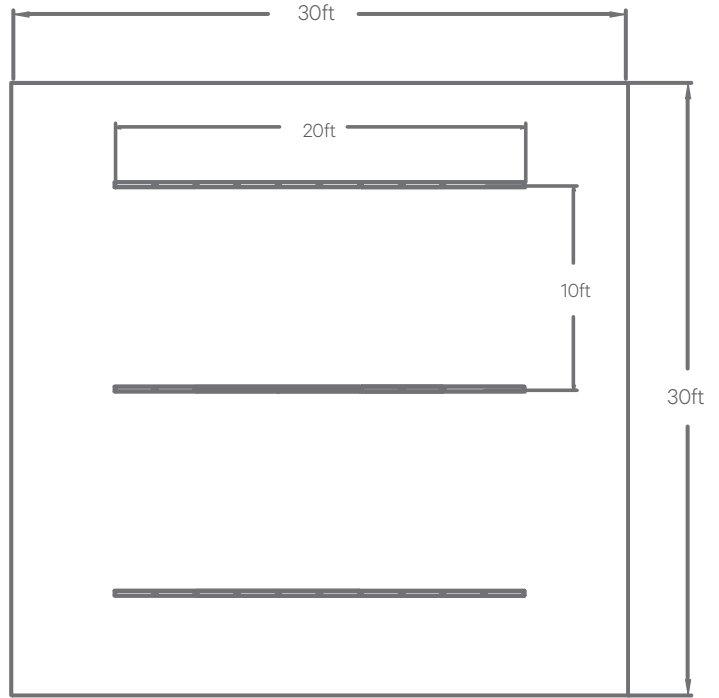
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Sample Fixture Layout:

Classroom Size: 30ft x 30ft
 Ceiling Height: 9.5ft AFF
 Mounting Height: 8ft AFF
 Reflectances: 80/50/20
 Luminaire: LS4 EDU 4FT 3500K LTG1 DB
 Wattage: 7.25W/ft
 Lumen Output: 576lm/ft

Target Levels:

Avg. Foot Candles: 35-50fc
 Unified Glare Rating: <19



Calculations:

23	23	22	22	21	21	20	20	19	17	13	10	10	10
24	24	24	23	23	22	21	20	16	10	10	10	10	10
25	25	24	24	23	23	22	21	10	10	10	10	10	10
25	25	24	24	24	23	22	21	16	10	10	10	10	10
25	24	24	24	23	23	22	21	13	13	10	10	10	10
25	24	24	24	23	23	22	21	13	13	10	10	10	10
25	25	25	24	24	23	22	21	16	10	10	10	10	10
25	25	24	24	24	23	22	21	10	10	10	10	10	10
25	25	25	24	24	23	22	21	16	10	10	10	10	10
25	24	24	24	24	23	22	21	13	13	10	10	10	10
25	24	24	24	23	23	22	21	13	13	10	10	10	10
25	25	24	24	24	23	22	21	16	10	10	10	10	10
25	25	24	24	24	23	22	21	10	10	10	10	10	10
24	24	24	24	23	23	22	21	20	16	10	10	10	10
23	23	22	22	21	21	20	20	13	17	13	10	10	10

UGR: 15.15

9.3	13.0	18.6	24.3	28.2	30.4	31.4	31.8	31.4	30.4	28.1	24.2	18.6	13.0	9.3
11.4	17.3	27.5	37.8	44.2	47.4	48.7	49.1	48.7	47.4	44.2	37.7	27.4	17.3	11.4
12.9	20.4	36.2	48.1	56.1	59.8	61.3	61.9	61.4	59.8	56.1	48.0	34.2	20.4	12.9
12.8	19.1	29.8	40.5	47.2	50.7	52.1	52.6	52.1	50.6	47.1	40.4	29.7	19.1	12.8
12.4	16.9	23.8	30.8	35.8	38.7	40.1	40.4	40.0	38.6	35.7	30.7	23.8	16.9	12.4
12.6	17.1	24.1	31.1	36.1	39.0	40.5	40.8	40.4	39.0	36.1	31.0	24.1	17.1	12.6
13.5	19.9	30.7	41.5	48.4	51.8	53.4	53.9	53.4	51.8	48.3	41.5	30.6	19.9	13.5
14.2	22.0	36.0	50.0	58.3	62.3	64.0	64.3	63.8	62.3	58.2	49.9	35.9	21.9	14.2
13.5	19.9	30.8	41.5	48.4	51.8	53.4	53.9	53.4	51.8	48.3	41.5	30.6	19.9	13.5
12.6	17.1	24.1	31.2	36.2	39.1	40.5	40.9	40.5	39.0	36.1	31.1	24.1	17.1	12.6
12.3	16.9	23.8	30.8	35.9	38.8	40.2	40.6	40.2	38.7	35.8	30.8	23.8	16.9	12.3
12.8	19.1	29.8	40.6	47.4	50.8	52.3	52.7	52.2	50.7	47.3	40.5	29.8	19.1	12.8
12.9	20.4	36.2	48.1	56.2	60.0	61.6	62.1	61.6	60.0	56.2	48.0	34.1	20.4	12.9
11.4	17.3	27.5	37.8	44.2	47.4	48.7	49.2	48.7	47.4	44.1	37.7	27.5	17.3	11.4
9.3	13.0	18.6	24.2	28.2	30.4	31.5	31.8	31.5	30.4	28.2	24.2	18.6	13.0	9.3

AVG FC: 36.7