

VERSATILE T-BAR FIXTURES FOR 2X2 AND 2X4 STANDARD CEILING GRIDS

Provide Recessed GridFlex™ fixtures for seamless integrations into stylistic grid ceilings. With a total fixture depth the thickness of the T-bar grid, Gridflex™ can fit into the tightest ceiling cavities. Pre-engineered patterns allow unlimited geometric patterns without cutting/modifying the T-bar grid. Linear Slant fixtures allow additional visual patterns to lead the eye beyond typical closed shapes. The dropdown TW3 lens adds extra brightness to the ceiling.

BENEFITS

- Create patterns of brightness within the design field.
- Accent and visually reinforce the ceiling grid, tile patterns or locations on the floor plan.
- Shallow housings allow placement anywhere a T-grid can fit.
- Shadow free lens without pixels or lines.
- Visually comfortable patterns of light.

EXAMPLE APPLICATIONS



GridFlex™ Standard on 24" Ceiling pattern.



GridFlex™ on Ceiling pattern.



GridFlex™ on Ceiling pattern.

GridFlex™ INSTALLATION EXAMPLES

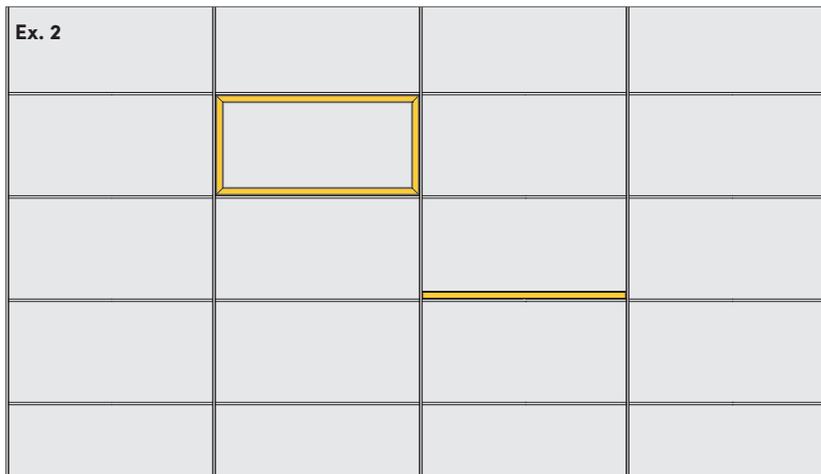
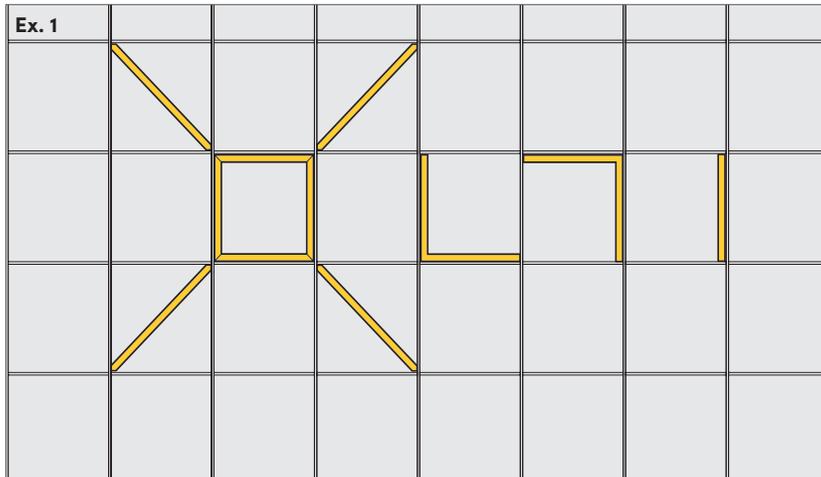
GridFlex™ shapes allow larger patterns to be developed. Fixtures can be located on each side of a T-grid or come together at a ceiling node and not interfere with each other. Larger 48Baseline fixtures shapes, ship as individual segments to be quickly joined together on site. Remote Power Supply Enclosure (PSE) may clip to grid or be

surface mounted. With Constant Current LEDs, lumen output can be specified for various lumen outputs to provide uniform lumens.

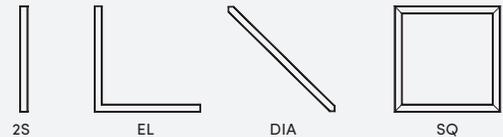
1. Armstrong® 24Baseline shown with xxx.
2. Armstrong® DesignFlex® xxxx shown with
3. Some Shapes cross over Tbars. Chevrons ship out as 2 individual fixture. Hex shapes ship

out as 6 individual fixtures. Individual CL2P cords (10ft std) are factory supplied from each unit to connect it to the remote power supply enclosure. Shown on an Armstrong® 60Degree 24Baseline.

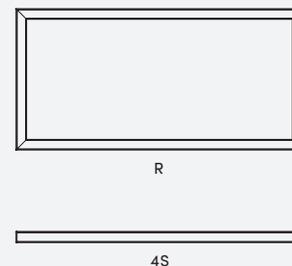
4. Armstrong® xxxxx



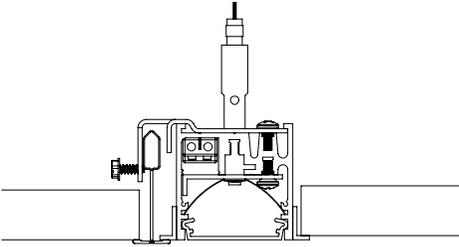
90° ANGLE 2'x2'



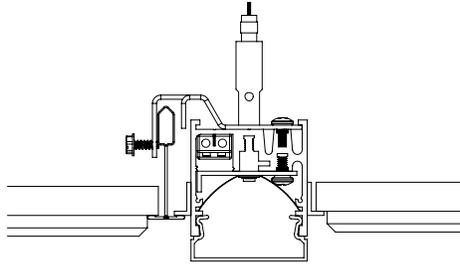
90° ANGLE 2'x4'



CROSS SECTION 9F



CROSS SECTION 9T WITH TW3 LENS



ORDERING NOTES

- All products are viewed and ordered from Reflected Ceiling Plan. (hint: allow baseline grids to run horizontally when viewing for proper ordering of Right and Left Parallelogram shapes or Slants).
- Product ship with all required mounting brackets and hangers for standard grid style installation.

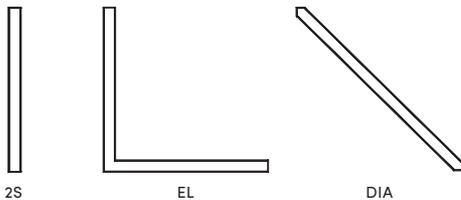
ORDERING

Sample Catalog Number: GFS15-X-DALI-X-[blank]

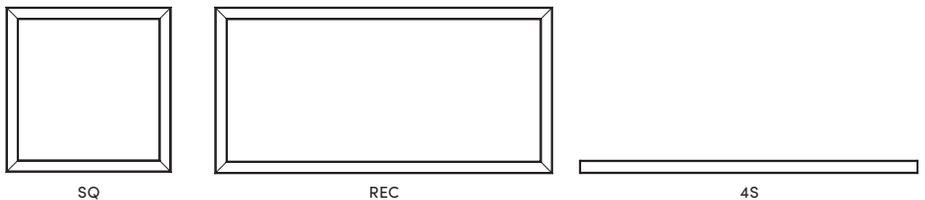
SERIES	GRIDFLEX™ SHAPES	OUTPUT & COLOR	WIRE HARNESS	LENS
GFS15	lumen data at 80CC35, (80w/ft, 3500K, 90+CRI) consult factory for others outputs			
GridFlex 1.5" lens width	90S24 (xxW, xxxlm) 90° Straight, 24" Base 90EL24 (xxW, xxxlm) 90° L Shape, 24" Base 90DIA24 (xxW, xxxlm) 90° Diagonal, 24" Base 90SQ24 (xxW, xxxlm) 90° Square, 24" Base 90S48 (xxW, xxxlm) 90° Straight, 48" Base 90REC48 (xxW, xxxlm) 90° Rectangle, 48" Base	Constant Current LEDs —CC up to 8.0w/ft (26.3W/M), 80CC= 8.0W/ft (732 lms/ft, 91.5 lms/w @35K) Color 27 2700K 90+ CRI 30 3000K 90+ CRI 40 4000K 90+ CRI TW XX/XX Turnable White 90+ CRI	1 Single	W White Flush TW3 3/8" Tall White

DRIVER	FLANGE LIP	COLOR	OPTIONS
Driver options on next page.			
R Remote PoExx (unknown) PoElgor NP60 PoEMolex CoreSync PoEWtec Smart engine CL2Pxx Longer length CLP2 supply cable (Std 10') to reach Remote/PoE driver	9F 9/16" Flush Flange 9T 9/16" Tegular Flange raised 5/16" for Tegular tiles.	WH White BL Black C Custom (Add E if entire fixture needs color i.e. BZE)	CL2Pxx Longer length CL2P feed cable (std is 10') EM Feed cable labeled for connection to EM circuit EME Entire fixture connects to Emergency circuit

24" STANDARD SHAPES



48" STANDARD SHAPES



NOTES

- Patterns are viewed from RCP position.
- Lumen data at 80CC35, (80w/ft, 3500K, 90+CRI) consult factory for others outputs.

POWER SUPPLY ENCLOSURES

- Remote mounted Power Supply Enclosures (PSE) contain up to (3) 24vdc Constant Voltage (CV) or Constant Current (CC) Drivers for simple Class 2 installations.
- Class 2P cable comes attached to the fixture, which is routed to the remote PSE.
- CC Drivers are programmed at the factory. For specific lumen output and system wattage to fit your project needs, contact your Dado representative or the factory.
- May be surface mounted, recessed in 2x4 walls, located above accessible ceilings, or clipped to grid structure.
- Standard PSE is die formed 16ga CRS with white painted after fabrication finish.
- PSE A & C Enclosures are die formed 16ga aluminum, natural finish. PSE C includes caddy clips for T-bar mounting.

- Rated to damp location use, Non-IC installations. Consult factory for IC installations.
- All drivers are short circuit and overload protected.
- Listed for 90C conductors with 1/2" trade size knock outs.
- All drivers Class A sound rated.
- All drivers are 120V thru 277V, 50/60Hz except for class LUT-LTE which is 120V only. Other world voltages available, consult factory for lead time.
- Dado Lighting ships a wide variety of 3rd party drivers, including Meanwell, ERG, Xitanium, GRE, LTF, ELDO and Lutron. Consult factory for additional drivers for specific project needs.

POWER SUPPLY OPTIONS

Sample Catalog Number: R-X-DALI-X-[blank]

DRIVER	QTY	CONTROL TYPE	WATTAGE	PSE STYLE*	DIMMING LEVEL	LINKS
R	X (factory determined)		X (factory determined)	X (factory determined)	Dimming level percentage	Wiring Diagrams & additional info
R (Remote)	X		X	X		
	(1, 2)	D010-xxmA	(100)	(Std, A, C)	1.0%	Link
	(1, 2)	DALI	(100)	(Std)	0.1%	Link
	(1, 2)	TW	(100)	(Std)	1.0%	Link
	(1, 2)	LUT-LDE	(40)	(Std, A, C)	1.0%	Link
	(1, 2)	LUT-TW	(50)	(Std, A, C)	0.1%	Link
	(1, 2)	ELDO-TW	(100, MC)	(Std, C)	0.1%	Link
	(1, 2)	ELDO-DALI	(100, MC)	(Std, C)	0.1%	Link
	(1, 2)	ELDO010	(100, MC)	(Std, C)	0.1%	Link

*leave blank for Std or enter a PSC letter, Ex. "C".

DRIVER NOTES

PoE No Power Supply needed with PoE, as injectors are supplied by others.

D010-xxmA Dimming Electronic drivers - Input 120V thru 277V, 50/60Hz. 0-10V Dimming or on/off switching, Constant Current version to dim to 1% without flicker. xxmA determined by factory to achieve the specified W/ft. Up to 100W for class 2 applications.

DALI Digital Addressable Lighting Interface, DALI 2 protocol. Single channel, Linear dimming 100%-0% 1Khz PWM dimming, 255 levels. 97% efficiency, Input 120V thru 277V, 50/60Hz, auto recovery mode.

TW Tunable White Module - (2)Ch 0-10Vdc controllers (by others) for independent color temperature and brightness control. Can also be used for warm dim with color temperature selection of 2200K-3000K. Input 120V thru 277V, 50/60Hz.

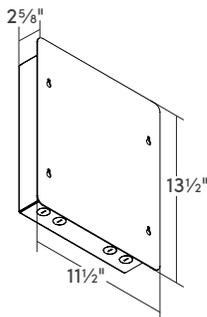
LUT-LDE Lutron Hi-Lume Dims to 1% SOFTB with EcoSystem. Input 120V thru 277V, 50/60Hz. Available wattage 40W.

LUT-TW LutronTunable White T series (PSQ), Dims to 0.1% with T series Node. (2) Channels. Input 120V thru 277V, 50/60Hz. Available wattage 50W.

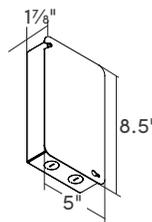
ELDO-TW Eldo Dual Drive with Lightshape technology Dims to 0.1%. (2) Channel DALI-2. For Intensity and color temperature control. Input 120V thru 277V, 50/60Hz. Available wattage 100W. Consult factory for 0-10V option.

ELDO-DALI Eldo Drive Dims to Dark to 0.1%. DALI-2. Input 120V thru 277V, 50/60Hz. Available wattage up to 100W. Consult factory for DMX option. Consult factory for Multiple Control (MC) option of fixtures from one driver, reducing PSE based on selected lumen output.

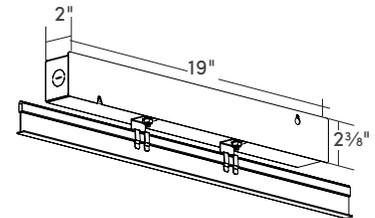
ELDO010 Eldo Drive Dims to Dark to 0.1%. DALI-2. (1) channel control. Input 120V thru 277V, 50/60Hz. Available wattage up to 100W. Consult factory for Multiple Control (MC) option of fixtures from one driver, reducing PSE based on selected lumen output.



Standard (Blank)



Power Supply Enclosure Style A



Power Supply Enclosure Style C

CONSTRUCTION

- Extruded aluminum housing, (0.075 nominal) anodized for superior performance.
- Housing ships with 10ft of CL2P plenum rated cable attached on back. This reaches remote power supplies. Longer lengths available.
- Multiple housing couple together with pins and bolts to provide a secure fit and proper alignment.
- Choice of flush or tegular flanges. Outside flanges nests onto T-grid. Inside flanges are aluminum with ¼" lip supports to interior ceiling tile.
- Hanger bracket, die formed galv steel preattached to housing for perimeter support. Can be repositioned in the field.
- Support cable suspension, bracket slides and locks are along the back of housings.

LED

- Constant Current leds for smooth dimming, no flicker, and up to 0.1% control.
- Standard 90+CRI, Ra9 >50 for all LED colors, single CCT and tunable white.
- LEDs attach to a removable cartridge for easy relamping and maintenance.
- Cartridge is all aluminum heat sink with polarity keyed quick disconnect and are secured via screws.
- Binned for 2 MacAdams ellipses.

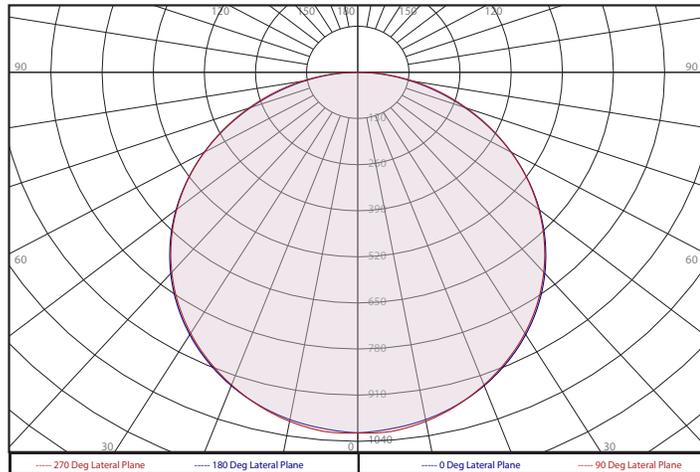
OPTICS

- White optic high efficacy reflector.
- Snap in high transmission acrylic lens (0.060 nominal) with matte white finish. Flush mounted lens is 30% recycled material.
- Damp rated operating ambient, 0° – 40°C (32° – 105°F).

PHOTOMETRIC DATA

LightLab International Allentown LLC
Independent Test No. LLIA001643-002
Candlepower Distribution (cd)

Cat. No: HL/LL/GL15-8.0ACC-359-1-W-R-S-48-S-in
One E33WPG1050-D LED driver labeled as 880mA
Tested according to LM-79-08
Luminous Length: 48"
Width: 1.75"



Visit dadolighting.com for complete photometric data.

ENVIRONMENTAL DATA

Temp range: 0° – 40°C (32° – 105°F)
No Mercury, No UV, No Flicker
Warranty: 5 years
cETLus Damp Listed IC Rated

LENS

- White optic high efficacy reflector.
- Snap in high transmission acrylic lens (0.060 nominal) with matte white finish, flush mounted lens. 30% recycled material.
- Matte white Acrylic lens provides soft luminous, pixel free, smooth illumination.

OPTIONS

- **CP** Chicago plenum rated housing with jbox for attachment of ½" EMT.
- **EM** Labeled feed cables. Require relay by others to switch from normal EM input at driver. Dado does not provide battery packs.
- **EME** Labeled feed cables. Requires relay by others to switch from normal to EME input at driver. Dado does not provide battery packs.

OTHER

- For unique patterns, modifications or to combine onto other ceiling materials, consult factory for shop drawings.
- Consult factory for wider widths and additional patterns.
- Consult factory for surface mounting and pendant mounting options.
- Not all options shown are contained on this spec sheet. See website or consult with factory for any unlisted options.

Lumen Output	
Input Voltage	120.0 V
Input Power	34.47 W (8.8W/ft)
Power Factor	0.998
Current THD	4.1%
Luminous Flux	2927.8 m/ft
Total Efficacy	84.9 lm/W

Color Data	
CCT	2539K
CRI (Ra)	92
R9	55
TM-30: Rf	90
TM-30: Rg	98

Zonal Lumens		
Zone	Lumen	% Luminaire
0-30°	782.5	26.7%
0-40°	1278.9	43.7%
0-60°	2262.6	77.3%
60-90°	665	22.8%
90-180°	0.2	0.0%
0-180°	2928	100%

Angle	Along	45°	Across
0°	1016	1016	1016
5°	1008	1009	1016
10°	994	994	999
15°	971	969	973
20°	940	935	938
25°	900	893	897
30°	854	845	849
35°	800	791	796
40°	739	731	735
45°	674	666	670
50°	603	596	600
55°	528	523	527
60°	450	446	451
65°	369	368	373
70°	288	290	295
75°	209	212	218
80°	133	138	144
85°	63	69	73
90°	0	8	12

Average Luminance (cd/m²)			
Angle	Along	45°	Across
0°	21991	21991	21991
45°	20613	20368	20509
55°	19907	19715	19877
65°	18903	18861	19086
75°	17464	17765	18230
85°	15586	17027	18071