

APPLICATIONS

The TEG-U-LUME® series of modular units offer the versatility of being able to be used individually or grouped into patterns of virtually any configuration desired, and blends with the tegular look.

The clean minimal trim frame when installed into the ceiling allows the shielding to be flush with the ceiling plane, providing an integrated look and regressed reveal around it.



SPECIFICATIONS

HOUSING: Die formed of 20 ga. cold rolled steel, rigidly fabricated, and electrically welded to insure true and perfect alignment.

SOCKET PLATE: Die formed of code ga. cold rolled steel, securely mounted and readily removable for socket maintenance.

REFLECTOR: Die formed of code ga. cold rolled steel, securely mounted to housing. Formed to optically correct contour to provide maximum efficiency, removable to access wiring without the use of tools. XTA-XTRALUME® energy efficient reflector available (see Options).

ELECTRICAL: T8 265MA Electronic Instant StartHPF and T5 430MA to 300MA HPF Class "A" sound rated, <10% THD (less than 10% Total Harmonic Distortion). HPF 270MA-BIAX (Twin Tube) U.L., C.S.A., FCC Listed Type 1 for multi volt operation. Other voltages and frequencies available. CONSULT FACTORY. Quick Wire Access Plate for feed entry with adequate number of 7/8" dia. KO's in ends for feed-thru in runs.

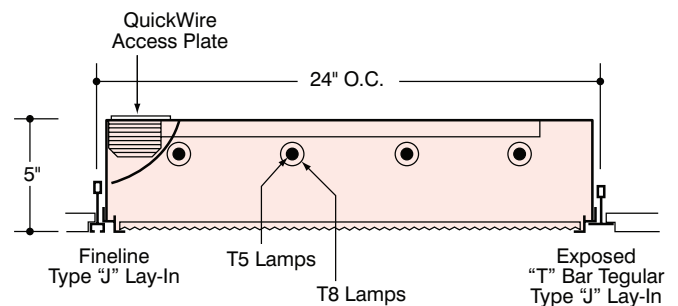
DIFFUSER: Accepts flat plastic or cube louvers, lift and shift to remove and relamp. (See shielding media).

TRIM: Extruded aluminum, precision mitered and mechanically locked corners. Post powder coated white finish.

MOUNTING: For grid type ceilings, unit rests on the flanges of the exposed tee. Fine Line or Grid Clips are supplied with all Lay-in units. See ceilings and specify type. Knockouts are provided on back and ends for feed and thru-wiring.

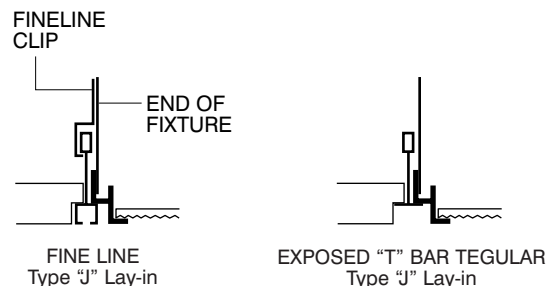
FINISH: All steel components parts are completely protected against rust and discoloration after fabrication through an automated conveyorized multi-stage phosphate bonding process. Finished with an electrostatic baked white polyester thermosetting powder coating. This electronic computer controlled integrated system assures consistent 88%+ reflectance efficiency and maximum durability.

CERTIFICATION: U.L. and C.U.L. listed and bears the label of the I.B.E.W./AFL-CIO, Local #3. Optionally U.L. and C.U.L. listed for damp locations "DL".



CEILINGINGS

- + Type (J) Exposed inverted "T", Tegular ceiling.
- + Type (J) Exposed inverted "T", Fineline ceiling. (Requires Fineline clips).
- + (J) Exposed: The corners of the ceiling opening should be well supported to withstand the weight of the troffer.



ORDERING CHART

	NOM. SIZE	NO. AND TYPE LAMPS	WT.	CATALOG NO.
T8 LAMPS	2 x 2	2-FO17-OCT-T8	25	882-217 EBO
		3-FO17-OCT-T8	27	882-317 EBO
		4-FO17-OCT-T8	27	882-417 EBO
		6-FO17-OCT-T8	30	882-617 EBO
		■ 2-FBO32-OCT-T8	25	882-2U32 EBO
		● 3-FBO31-OCT-T8	30	882-3U31 EBO
		** 2-F40TT-RS	25	882-2BX40
		** 3-F40TT-RS	30	882-3BX40
	2 x 4	** 4-F40TT-RS	30	882-4BX40
		2-FO32-OCT-T8	38	882-232 EBO
		3-FO32-OCT-T8	41	882-332 EBO
		4-FO32-OCT-T8	41	882-432 EBO
		6-FO32-OCT-T8	41	882-632 EBO
		T5 LAMPS	2 x 2	2-F14-T5
2-F24HO-T5				882-224 HO
3-F14-T5	14			882-314
3-F24HO-T5				882-324 HO
4-F14-T5				882-414
4-F24HO-T5				882-424 HO
2 x 4	6-F14-T5			882-614
	2-F28-T5			882-228
	2-F54HO-T5			882-254 HO
	3-F28-T5		28	882-328
	3-F54HO-T5			882-354 HO
	4-F28-T5			882-428
	4-F54HO-T5			882-454 HO
	6-F28-T5			882-628

■ Lamp spacing made for 6" center T8 U-lamps. For OCTIC T8 1 5/8" center, change lamp no. to 2U31.

● Made for 1 5/8" center OCTIC U-lamps only.

** F40TT/RS is the ANSI designation of various lamp manufacturers, i.e.: G.E. Lighting "BIA", Philips "PL", Osram "DULUX-L", Sylvania TWIN TUBE. For F50TT/RS change Cat. No. Example: 882-2BX50.

OCTRON™ is a registered trademark of Sylvania Lighting

REFER TO FRONT OF PAGE FOR CEILING INFORMATION AND DETAILS

OPTIONS

- Suffix "DIM" after catalog no. for dimming ballast.
- Suffix "LT" after catalog no. for cold weather ballast.
- + Suffix "EM" after cat. no. for emergency battery pack, see price list for types.
- Suffix "DL" after catalog no. for damp location.
- Suffix "XTA" after catalog no. for XTRALUME® reflector std. with 85% reflectance. For 95% reflectance please specify your requirements.
- + Battery pack may be mounted on top of 2x2 fixture, adds 2" to depth, or mounted remote in separate box. Consult factory for availability

ELECTRONIC BALLASTS

- Suffix "EBDOA" to catalog number for electronic dimming ballast ADVANCE MARK X.
- Suffix "ECO-10" to catalog number for electronic dimming ballast LUTRON ECO-10.
- Suffix "HIL" to catalog number for LUTRON HI-LUME dimming ballast.

Legion is a Lutron® Silver Partner

Lutron is a registered trademark of Lutron Electronics.

OTHER DIMMING BALLASTS AVAILABLE, CONSULT FACTORY.

SHIELDING MEDIA

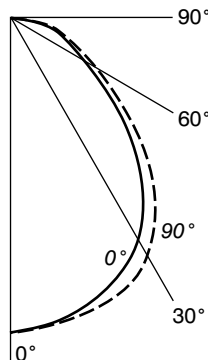
- Type (AL) 1/2" cube aluminum louver-white.
 - Type (PLA) 1/2" cube acrylic louver-white.
 - Type (PAFA) 1/8" cube Paraflex specular silver louver-acrylic.
 - Type (PWA) 1/2" cube Parawedge spec. silver louver-acrylic.
 - Type (PAFIVA) 3/4" x 3/4" x 1/2" deep Paraflex specular silver louver-acrylic.
 - Type (PL3A) 3/4" x 3/4" x 1/2" deep high efficiency spec. silver louver-acrylic.
 - Type (PL5A) 3/4" x 3/4" x 1/2" deep high efficiency spec. silver louver-acrylic.
 - Type (RFA) acrylic plastic refractor.
 - Type (K19A) KSH K19 acrylic lens.
 - Type (FA) flat white acrylic.
 - Type (GRA) glass fiber reinforced acrylic.
 - Type (K15A) 1/16" thick acrylic plastic refractor.
 - Type (K20A) KSH K20 acrylic lens.
 - Type (PH) Parahex specular silver louver.
- Select the diffuser required and add suffix to catalog number.
EXAMPLE: 882-432-RFA.

PHOTOMETRICS

Cat. No. **882-332-RFA**
2x4 Prismatic Acrylic Lens
Lamps: (3) FO32T8
each rated 3200 lumens.

(Consult factory for data for cat. no. **882-2U32-RFA** with 2x2 Prismatic Acrylic Lens)

Total Luminaire Efficiency = 61.4%
Plane 0-Deg. 90-Deg.
Spacing Criteria 1.22 1.29



Average Luminance (Footlamberts)		
Vertical Angle	Horizontal Plane	
	0°	90°
0	395	395
45	307	335
55	219	233
65	177	173
75	174	168
85	170	163

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixt.
0-30	2179	22.7	33.9
0-40	3538	36.9	55.1
0-60	5595	58.3	87.1
0-90	6422	66.9	100.0

Coefficients of Utilization - Zonal Cavity Method											
Floor	20%										
Ceiling	80%			70%				50%			
Walls	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%
0	.79	.79	.79	.79	.78	.78	.78	.78	.74	.74	.74
1	.73	.71	.68	.66	.72	.69	.67	.65	.66	.64	.63
2	.68	.63	.58	.55	.66	.61	.58	.54	.59	.56	.53
3	.62	.56	.51	.47	.61	.55	.50	.46	.53	.49	.46
4	.57	.50	.45	.40	.56	.49	.44	.40	.47	.43	.40
5	.53	.45	.39	.35	.52	.44	.39	.35	.43	.38	.35
6	.49	.41	.35	.31	.48	.40	.35	.31	.39	.34	.31
7	.46	.37	.32	.28	.45	.37	.31	.28	.36	.31	.28
8	.43	.34	.29	.25	.42	.34	.28	.25	.33	.28	.25
9	.40	.31	.26	.23	.39	.31	.26	.23	.30	.26	.22
10	.37	.29	.24	.21	.37	.29	.24	.20	.28	.23	.20

Information supplied primarily for illustrative purposes, subject to change. Consult factory for verification and minimum quantity orders. For other photometric data, consult factory.

