

FEATURES

- Wet label shallow housing troffer
- Gasketed to provide additional seal between door, lens, and housing
- Mitered corners standard on door frame
- Rolled or hemmed housing edges
- Mechanical light trap
- All metal parts are white powder coat, painted after fabrication
- UL listed 1598 for wet location covered ceiling applications
- Integral T-bar clips quickly secure fixture to the grid system without the need for time-consuming loose parts
- Snap-in ballast covers can be removed when lamps are installed
- Corner hinging for easy insertion and removal of shielding frame
- Housing ends are secured by unique corner interlock and screws
- Heat sink embossments behind ballasts for cooler operation and longer life
- Metal to metal light leak protection on all four sides of shielding frame

PROJECT INFORMATION

Project Name _____

Type _____

Catalog No. _____

Date _____

FLANGED FEATURES

Four adjustable Uni-Lugs for quick easy installation. Optional plaster frames available for individual or row mounting. Fixture end flanges are removable for row mounting. Joiner channels are included.

HOUSING

Heavy gauge steel. Die formed for extra rigidity. Designed for installation in standard inverted tee grid ceilings.

BALLASTS

Energy efficient, thermally protected automatic resetting, Class P, high power factor sound rated A, unless otherwise specified, NEMA Premium compliant.

ELECTRICAL

Standard class "P" thermally protected automatic resetting ballast, sound rated Class P, NEMA Premium Compliant. All ballasts extend a minimum of 6" through ceiling. NEC compliant ballast design that is suitable for use in wet locations.

SHIELDING

100% prismatic acrylic lens and roll-embossed, diagonally oriented male prism unbreakable lens as specified.

FINISH

All metal parts are processed with a five phase phosphate binding treatment, and are pre-painted with high gloss baked white enamel 90% reflective. Flange units are painted with fabric paint with a polyester powder coat, reflective of 90%. All metal parts are processed with a five phase phosphate binding treatment, and are pre-painted with a high gloss baked white enamel. Finally, units are painted after fabrication with a polyester powder coat reflective of 90%. Option of F2 for higher reflective.

FLANGED MOUNT INSTALLATION

Fixtures are installed from below the ceiling and are overlapping trim fixtures. Adjustable Uni-Lugs secure the fixture to ceiling structure. Plaster frames are available if required.

CERTIFICATION

All luminaires are built to UL 1598 standards and have appropriate UL and cUL or CSA labels. Wet location labeling is standard. UL Sanitation approved.

ORDERING INFORMATION

EXAMPLE WT24-332G-FAA12-EU-C488-GLR

WT 24		NO. OF LAMPS		CEILING TYPE		SHIELDING		VOLTAGE		OPTIONS	
MODEL	WT Wet Location Lensed Troffer	2 Two	3 Three	Inverted Tee	A12 Pattern 12 Acrylic 0.100" Nominal (Standard)	U 120V-277V	F830 T8, 78+CRI, 3000K Lamps, Furn/Inst.				
		4 Four	6 Six	Grid	A12.125 Pattern 12 Acrylic 0.125" Nominal	347 347V	F835 T8, 78+CRI, 3500K Lamps, Furn/Inst.				
				Grid with End Flange	A19 Pattern 19 Acrylic 0.156" Male Prism		F841 T8, 78+CRI, 4100K Lamps, Furn/Inst.				
					DR12 High Impact Acrylic Pattern 12, .140" (Std.)		SLL Spring Loaded Latches				
SIZE	24" x 48" x 1.5" Watt			DOOR STYLE		BALLAST	GMF Slow Blow Fuse				
	4', 3', 32, 30, 28 or 26" Watt			FA White Flush Aluminum	For complete list of lenses and louvers, see options and accessories.	E Electronic T8, Instant Start	GLR Fast Blow Fuse				
	4', T5HO: 54 or 50" Watt			RA White Regressed Aluminum		3E 3-Lamp Electronic T8, Instant Start	C388 3/8" Flex with 3 No. 18 Wires				
						4E 4-Lamp Electronic T8, Instant Start	C384 3/8" Flex with 3 No. 14 Wires				
						24E (1) 2-Lamp and (1) 4-Lamp Electronic T8, Instant Start	C488 3/8" Flex with 4 No. 18 Wires				
						EP Electronic T5 or T8, Programmed Start	C424 1/2" Flex with 4 No. 14 Wires				
						3EP 3-Lamp Electronic T5HO or T8, Programmed Start	CP Chicago Plenum				
						4EP 4-Lamp Electronic T5HO (N/A 347V) or T8, Programmed Start					
						24EP (1) 2-Lamp and (1) 4-Lamp Electronic T5HO (N/A 347V) or T8, Programmed Start					

For a specific ballast vendor show as option.

For a complete set of options, see options and accessories section.

PHOTOMETRIC DATA

LUMINAIRE DATA

Luminaire	WT24-332G-FA12-3EU WT Lensed Troffer 2' x 4' 3-Lamp with A12 Pattern Acrylic Prisms Lens
Ballast	B2321120RH-A
Ballast Factor	0.88
Lamp	F32T8
Lumens per Lamp	2900
Total Input Watts	87
Mounting	Recessed
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.25 90° = 1.37
Luminous Opening in Feet	Length: 3.82 Width: 1.82 Height: 0.00

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	2086	24.0	29.5
0-40	3448	39.6	48.8
0-60	5916	68.0	83.8
0-90	7064	81.2	100.0
0-180	7064	81.2	100.0

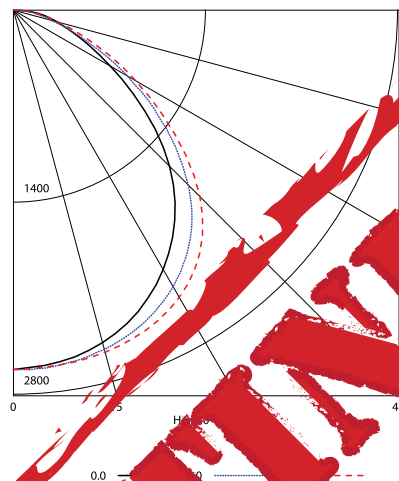
ENERGY DATA

Total Luminaire Efficiency	81.2%
Luminaire Efficacy Rating (LER)	FL - 71
ANSI/IESNA RP-1-2004 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 100 sq. ft.	\$3.38 based on 3000 hrs. and \$0.08 per KWH

COEFFICIENTS OF UTILIZATION (%)

RCR	RW	80				70				50				0			
		70	50	30	10	70	50	30	10	50	30	10	0	50	30	10	0
1	89	85	82	79	87	83	80	78	80	78	75	69	80	78	75	69	69
2	81	75	70	65	79	73	69	64	71	66	63	58	71	66	63	58	58
3	74	66	60	55	72	65	59	54	63	58	53	50	63	58	53	50	50
4	68	59	52	47	66	58	51	46	56	50	46	43	56	50	46	43	43
5	63	53	46	41	61	52	45	40	50	44	40	37	50	44	40	37	37
6	58	48	41	36	57	47	40	35	45	39	35	33	45	39	35	33	33
7	54	43	36	31	53	43	36	31	41	35	31	29	41	35	31	29	29
8	50	40	33	28	49	39	32	28	38	32	28	26	38	32	28	26	26
9	47	36	30	25	46	36	30	25	35	29	25	23	35	29	25	23	23
10	44	33	27	23	43	33	27	23	32	27	23	21	32	27	23	21	21

INDOOR CANDELA PLOT



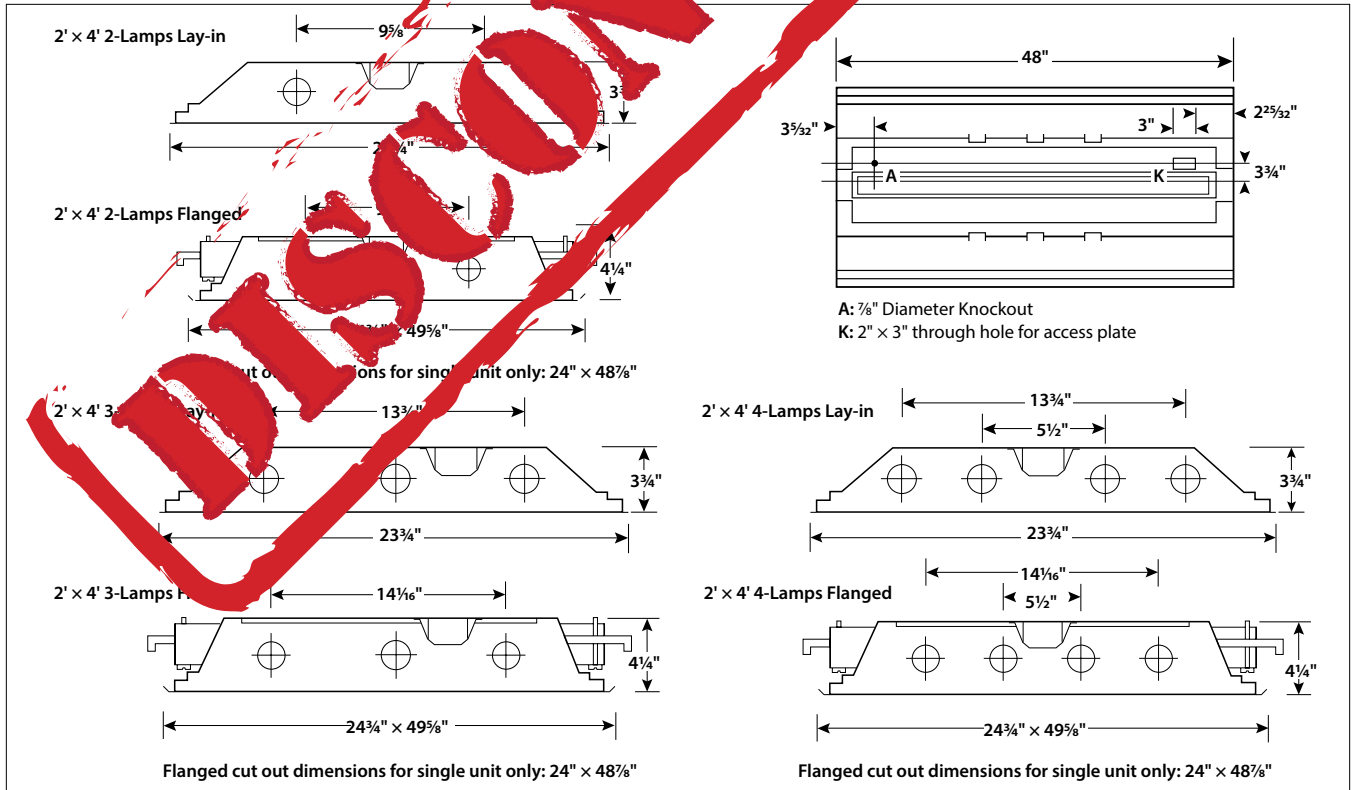
AVG. LUMINANCE (Candela/m²)

Average Luminaire Angle	0.0	22.5	45.0	67.5	90.0
0	4056	4056	4056	4056	4056
30	3900	3900	4287	4287	4287
40	3705	3705	4271	4271	4271
45	3525	3525	4143	4143	4143
60	3225	3225	3890	3890	3890
70	3006	3006	3523	3523	3523
85	2493	2493	3100	3100	3100
90	2221	2221	2795	2795	2795
100	2073	2073	2381	2381	2381
110	1956	1956	2070	2070	2070
120	2015	2015	1783	1783	1783
135	2327	2327	1759	1759	1759

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

DIMENSIONAL DATA



NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.