HSL - 131 2 x 4

Lensed Troffer, Grid Mount

Specification grade, low profile troffer meets an almost limitless range of applications. Troffer is ideal for all commercial and industrial buildings requiring general illumination with recessed configurations.

Ordering Information

Example: HSL 131 A 232 MV

Series	Function	Lens Material	Lamp Count	Lamp Type	Reflector	Ballast & Voltage [1]	Options
HSL 131 Lensed Troffer Grid Mount	**Blank** Static **R** Return	**A** Prismatic Acrylic #12 Pattern **A.125** Prismatic Acrylic #12 Pattern 1/8" **MW** Matte White Acrylic **SP1** Specular Parabolic Louver 1/2" x 1/2" x 3/8" **SP4** Specular Parabolic Louver 3/4" x 3/4" x 1/2" **SP2** Specular Parabolic Louver 1 1/2" x 1 1/2" x 1" **PLA** White Cubed Acrylic Louver 1/2" x 1/2" x 3/8" **FR** Frosted Acrylic Smooth Lens .04", 100% Dura Frost	**2,3 or 4** Lamps not included	**40** 48in. T12 [7] **32** 48in. T8 **28** 46in. T5 **54** 46in. T5HO	**Blank** No reflector **M20** Mirrored Reflector	**MV** Electronic, Multi volt , 120V -277V **HMV** Electronic, Multivolt , HI-Lume[4] **LMV** Electronic, Multi volt , Lo-Lune [4] **GMV** Line or 0-10V dimming, Multivolt **X1** Wired for single ended LED T8 tubes **X2** Wired for double ended LED T8 tubes **XX** No sockets, ballasts of wiring	**RA** Regressed aluminum door, white **RAB** Regressed aluminum door, black **WP** 6ft. 3 wire, whip **WP10** 6ft. 4 wire, whip **EM** Emergency ballast, 500 lumens **EM14** Emergency ballast, 1400 lumens **GK1** Single Gasketed Door - Single (lens to door frame) **GK2** Double Gasketed Door - (lens.frame + frame to troffer) **GK3** Double Gasketed Door - (lens.frame + frame to troffer)

[1] See end of T02 Grid for many additiona lamps, ballasts, finishes, and options.
[2] Many additional lens materials are available. Contact factory for additional information.
[3] Custom reflectors available to create any light distribution.
[4] HiLume and LoLume ballasts available for T8 lamps only.
[5] Line dimming ballasts available for T8 & T5HO lamps only.
[6] Magnetic ballasts available for T8 & T12 only.
[7] Magnetic & electronic T12 ballasts drive a 34W energy saver lamp.
[8] EM for T5, T5HO requires T5 emergencies

SIZE W X L X H in inches

- 23.75W x 48.0L x 4.0Dp (600 x 610 x 100)

LAMP

- 2, 3, or 4 lamp positions.

MATERIALS & FEATURES

- Housing is die-formed and embossed code 22 gage steel. Finish is high reflectance baked white enamel. Wiring knockouts are provided on back and end of housing. Driver cover or reflector snaps into place; no tools required for ballast access. Lens is held with a hinged steel door frame; frame hinges downward on either side and is held closed by two positive cam latched.
- POST PAINTED POWDER COAT FINISH on certain versions
- Shallow design for low clearance plenums
- Clear 0.10thk A12 acrylic lens is standard; many options available
- Flush steel hinges from either side; field reversible
- Access plate to simplify installation

MOUNTING & INSTALLATION

- Recessed inverted T-Bar ceilings. Grid mount.

LISTING

- Fixture & Ballast: UL Listed.
- Ballast: Thermally protected, class P, HPF, Non PCB

TYPICAL OPTIONS & ACCESSORIES

- Emergency battery backup, whips, regressed doors, wire guards, frame kits, and lenses. See options page at the end on the T02Grid section, or contact factory for more details.

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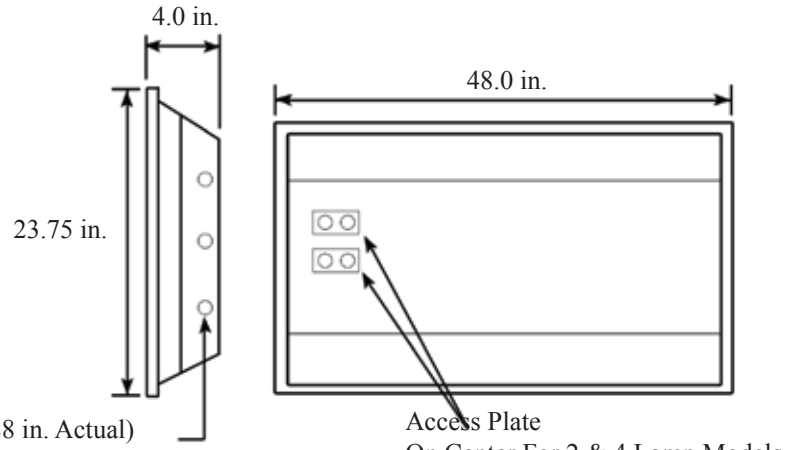

1/2' Nom. (0.88 in. Actual)
EKO In Both Ends and Back

Access Plate
On Center For 2 & 4 Lamp Models
Off Center For 3 Lamp Models

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Lamp configurations shown are typical. Photometric data on these and other configurations available upon request.

Floor	20%	20%	20%	20%	20%	20%	20%	20%	20%
Ceiling	80%	80%	80%	70%	70%	70%	50%	50%	50%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
RCR	Zonal cavity coefficients			131A232		Spacing ratio.	Along 1.2		Across 1.3
0	1.00	1.00	1.00	0.98	0.97	0.97	0.92	0.93	0.92
1	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.80	0.78
2	0.85	0.78	0.72	0.83	0.76	0.71	0.73	0.69	0.65
3	0.78	0.69	0.62	0.76	0.68	0.61	0.65	0.60	0.56
4	0.72	0.62	0.54	0.70	0.61	0.54	0.59	0.53	0.48
5	0.66	0.55	0.48	0.64	0.54	0.47	0.53	0.47	0.42
6	0.61	0.50	0.42	0.60	0.49	0.42	0.48	0.41	0.37
7	0.57	0.45	0.38	0.56	0.45	0.38	0.44	0.37	0.33
8	0.53	0.42	0.35	0.52	0.41	0.34	0.40	0.34	0.30
9	0.50	0.38	0.31	0.49	0.38	0.31	0.37	0.31	0.27
10	0.47	0.35	0.29	0.45	0.35	0.29	0.34	0.28	0.24

Floor	20%	20%	20%	20%	20%	20%	20%	20%	20%
Ceiling	80%	80%	80%	70%	70%	70%	50%	50%	50%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
RCR	Zonal cavity coefficients			131A332		Spacing ratio.	Along 1.2		Across 1.3
0	0.94	0.94	0.93	0.92	0.91	0.91	0.87	0.87	0.87
1	0.87	0.83	0.79	0.84	0.81	0.78	0.78	0.75	0.73
2	0.8	0.73	0.68	0.78	0.72	0.67	0.69	0.65	0.61
3	0.73	0.65	0.58	0.71	0.64	0.58	0.61	0.56	0.52
4	0.68	0.58	0.51	0.66	0.57	0.51	0.55	0.5	0.45
5	0.62	0.52	0.45	0.61	0.51	0.45	0.5	0.44	0.4
6	0.58	0.47	0.4	0.56	0.46	0.4	0.45	0.39	0.35
7	0.54	0.43	0.36	0.52	0.42	0.36	0.41	0.35	0.31
8	0.5	0.39	0.33	0.49	0.39	0.32	0.38	0.32	0.28
9	0.47	0.36	0.3	0.46	0.36	0.3	0.35	0.29	0.25
10	0.44	0.33	0.27	0.43	0.33	0.27	0.32	0.27	0.23

Floor	20%	20%	20%	20%	20%	20%	20%	20%	20%
Ceiling	80%	80%	80%	70%	70%	70%	50%	50%	50%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
RCR	Zonal cavity coefficients			131A432	Spacing ratio.		Along 1.2	Across 1..3	
0	0.95	0.94	0.94	0.93	0.92	0.92	0.88	0.88	0.87
1	0.87	0.83	0.8	0.85	0.82	0.78	0.78	0.76	0.73
2	0.8	0.74	0.68	0.78	0.72	0.67	0.69	0.65	0.62
3	0.74	0.65	0.59	0.72	0.64	0.58	0.62	0.57	0.53
4	0.68	0.59	0.52	0.66	0.57	0.51	0.56	0.5	0.46
5	0.63	0.52	0.45	0.61	0.52	0.45	0.5	0.44	0.4
6	0.58	0.47	0.4	0.56	0.47	0.4	0.45	0.39	0.35
7	0.54	0.43	0.36	0.53	0.42	0.36	0.41	0.35	0.31
8	0.51	0.4	0.33	0.49	0.39	0.33	0.38	0.32	0.28
9	0.47	0.36	0.3	0.46	0.36	0.3	0.35	0.29	0.25
10	0.44	0.33	0.27	0.43	0.33	0.27	0.32	0.27	0.23

Floor	20%	20%	20%	20%	20%	20%	20%	20%	20%
Ceiling	80%	80%	80%	70%	70%	70%	50%	50%	50%
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
RCR	Zonal cavity coefficients			131A232M20		Spacing ratio.	Along 1.2		Across 1.2
0	1.04	1.03	1.02	1.01	1.01	1.00	0.96	0.96	0.95
1	0.96	0.92	0.88	0.93	0.90	0.86	0.86	0.83	0.81
2	0.88	0.81	0.76	0.86	0.80	0.74	0.77	0.72	0.69
3	0.81	0.72	0.66	0.79	0.71	0.65	0.69	0.63	0.59
4	0.75	0.65	0.58	0.73	0.64	0.57	0.62	0.56	0.52
5	0.70	0.59	0.51	0.68	0.58	0.51	0.56	0.50	0.45
6	0.65	0.53	0.46	0.63	0.52	0.45	0.51	0.45	0.40
7	0.60	0.49	0.41	0.59	0.48	0.41	0.47	0.40	0.36
8	0.56	0.45	0.38	0.55	0.44	0.37	0.43	0.37	0.33
9	0.53	0.41	0.34	0.52	0.41	0.34	0.40	0.34	0.29
10	0.49	0.38	0.31	0.48	0.38	0.31	0.37	0.31	0.27