

PARA 2' x 4'

Parabolic Lens Troffer, Grid Mount



FEATURES & SPECIFICATIONS

INTENDED USE

Specification grade, parabolic lens troffer provides low glare, light cut-off, and visual comfort for all commercial and industrial buildings requiring general illumination with recessed configurations. Black perimeter (reveal) provides “floating” louver façade. Available in static and air return configurations.

SIZE W x L x H in inches (mm)

23.75W x 48.0L x 5.5Dp (300 x 1220 x 140)

MATERIALS & FEATURES

Housing is die-formed and embossed code 22 gage steel. Finish is high reflectance baked white enamel, with black reveal support rails. Wiring knockouts are provided on back and end of housing. Ballast cover or reflector snaps into place; no tools required for ballast access. Louvers are formed from aluminum, are available in a variety of finishes and cell counts, and are held closed by two positive cam latches. Premium, full specular reflectors are available as an option to increase efficiency or modify lighting distribution.

- POST PAINTED POWDER COAT LUMINAIRE FINISH
- Aluminum louver - standard is low iridescent semi-specular (satin), also available in full specular (bright), and white finish.
- Louvers hinge from either side; field reversible.
- Access plate to simplify installation

LAMP

2, 3, or 4 lamp positions

MOUNTING

Recessed inverted T-Bar ceilings. Grid mount.

LISTING

Fixture and Ballast: UL Listed.

Ballast: Thermally protected, class P, HPF, Non PCB.

TYPICAL OPTIONS AND ACCESSORIES

Emergency ballasts, whips, and frame kits. See options page at the end of the T02Grid section, or contact factory for more details.

ORDERING INFORMATION

Example: **PARA 18C 332 MV**

PARA		18C		3		32		MV			
Series		Lamp Count		Lamp Type [1]		Ballast & Voltage [1]					
PARA Parabolic Louver, Grid Mount		2, 3, or 4 Lamps Not included		40 32 28 54	48 in. T12 [7] 48 in. T8 46 in. T5 46 in. T5HO	MV	Electronic, Multivolt (120-277)	HMV [4]	Electronic, Multivolt, Hi-Lume		
Function		Louver Cell Count & Material [2]									
(blank)	Static	12C	12 cell (2x6 pattern) semi-specular, 3in nominal							X1	Wired for single ended LED T8 lamps
R	Air Return	16C	16 cell (2x8 pattern) semi-specular, 3in nominal							X2	Wired for double ended LED T8 lamps
		18C	18 cell (3x6 pattern) semi-specular, 3in nominal							XX	No sockets, ballasts or wiring
		32C	32 cell (4x8 pattern) semi-specular, 3in nominal							For Multiple ballasts add the following code to the end of the ballast designation (11)(21)(22) or (31) based on how the fixture will be controlled.	
		24C	24 cell (4x6 pattern) semi-specular, 3in nominal							Options [1]	
		18F	18 cell (3x6 pattern) Full specular, 3in nominal							RA	Regressed aluminum door, white
		32F	32 cell (4x8 pattern) Full specular, 3in nominal							RAB	Regressed aluminum door, black
		18W	18 cell (3x6 pattern) White, 4in nominal							WP	6 ft. 3 wire 18 gauge whip
		32W	32 cell (4x8 pattern) White, 4in nominal							WP10	6 ft. 4 wire 18 gauge 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	Triple Gasketed (lens/frame + frame/troffer to T-bar grid)
										LN15W35	Single ended 15W 1800 Lumen 3500K* Incl.
										LN18W35	Single ended 18W 2100 Lumen 3500K* Incl.

Notes

- [1] See end of T02Grid for many additional lamps, ballasts, finishes, and options.
- [2] Custom louvers available in any cell configuration. 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] 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.

* Change 35 to 40 or 50 for 4000K or 5000K

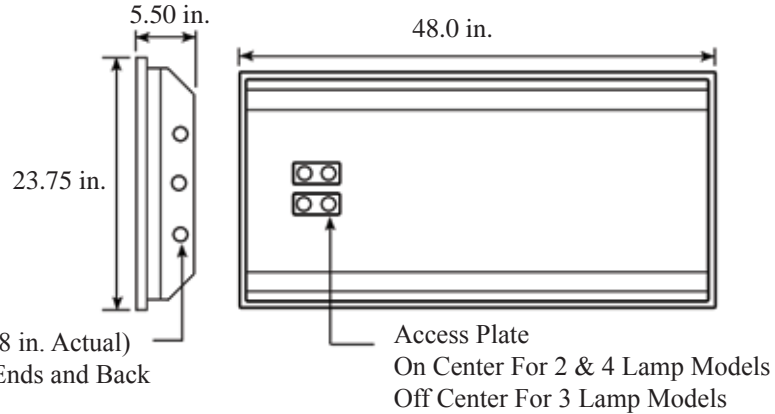
PARA 2' x 4'

Parabolic Lens Troffer, Grid Mount



DIMENSIONS

All dimensions are inches. Specifications subject to change without notice.



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

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			PARA18C332		Spacing ratio. Along 1.2		Across 1.6	
0	0.84	0.84	0.83	0.82	0.81	0.81	0.78	0.78	0.78
1	0.78	0.75	0.73	0.74	0.71	0.69	0.71	0.69	0.67
2	0.73	0.68	0.63	0.66	0.63	0.59	0.64	0.61	0.58
3	0.67	0.61	0.55	0.59	0.55	0.51	0.58	0.54	0.50
4	0.62	0.55	0.49	0.54	0.49	0.45	0.52	0.48	0.44
5	0.58	0.49	0.43	0.48	0.43	0.39	0.47	0.42	0.39
6	0.53	0.44	0.39	0.44	0.38	0.34	0.43	0.38	0.34
7	0.50	0.40	0.35	0.40	0.35	0.31	0.39	0.34	0.31
8	0.46	0.37	0.32	0.37	0.31	0.28	0.36	0.31	0.28
9	0.43	0.34	0.29	0.34	0.28	0.25	0.33	0.28	0.25
10	0.41	0.31	0.26	0.31	0.26	0.23	0.30	0.26	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			PARA32C432		Spacing ratio. Along 1.2		Across 1.3	
0	0.76	0.75	0.75	0.74	0.73	0.73	0.7	0.7	0.7
1	0.7	0.68	0.66	0.66	0.64	0.63	0.64	0.62	0.61
2	0.65	0.61	0.57	0.6	0.56	0.54	0.58	0.55	0.53
3	0.61	0.55	0.5	0.54	0.5	0.46	0.52	0.48	0.46
4	0.56	0.49	0.45	0.49	0.44	0.41	0.47	0.43	0.4
5	0.52	0.45	0.39	0.44	0.39	0.36	0.43	0.38	0.35
6	0.48	0.4	0.35	0.4	0.35	0.31	0.39	0.34	0.31
7	0.45	0.37	0.32	0.36	0.32	0.28	0.35	0.31	0.28
8	0.42	0.34	0.29	0.33	0.29	0.25	0.33	0.28	0.25
9	0.39	0.31	0.26	0.31	0.26	0.23	0.3	0.26	0.23
10	0.37	0.29	0.24	0.28	0.24	0.21	0.28	0.24	0.21

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			PARA18C232M20		Spacing ratio. Along 1.2		Across 1.3	
0	0.91	0.9	0.9	0.89	0.88	0.88	0.84	0.84	0.84
1	0.85	0.81	0.78	0.83	0.8	0.77	0.77	0.74	0.73
2	0.78	0.73	0.68	0.76	0.71	0.67	0.69	0.65	0.62
3	0.72	0.65	0.59	0.7	0.64	0.59	0.62	0.57	0.54
4	0.67	0.58	0.52	0.65	0.57	0.52	0.56	0.51	0.47
5	0.62	0.52	0.46	0.6	0.52	0.46	0.5	0.45	0.41
6	0.57	0.47	0.41	0.56	0.47	0.41	0.45	0.4	0.36
7	0.53	0.43	0.37	0.52	0.43	0.37	0.41	0.36	0.32
8	0.5	0.4	0.34	0.49	0.39	0.33	0.38	0.33	0.29
9	0.46	0.36	0.3	0.45	0.36	0.3	0.35	0.3	0.26
10	0.43	0.34	0.28	0.43	0.33	0.28	0.32	0.27	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			PARA18C332M20		Spacing ratio. Along 1.2		Across 1.3	
0	0.92	0.93	0.93	0.9	0.91	0.91	0.87	0.87	0.86
1	0.88	0.85	0.82	0.86	0.83	0.81	0.8	0.78	0.76
2	0.82	0.77	0.73	0.81	0.76	0.72	0.73	0.7	0.68
3	0.77	0.7	0.65	0.75	0.69	0.65	0.67	0.63	0.6
4	0.72	0.64	0.59	0.71	0.64	0.58	0.62	0.57	0.54
5	0.67	0.59	0.53	0.66	0.58	0.53	0.57	0.52	0.48
6	0.63	0.54	0.48	0.62	0.53	0.48	0.52	0.47	0.44
7	0.59	0.5	0.44	0.58	0.49	0.44	0.48	0.43	0.4
8	0.56	0.46	0.41	0.55	0.46	0.4	0.45	0.4	0.37
9	0.52	0.43	0.37	0.51	0.43	0.37	0.42	0.37	0.34
10	0.49	0.4	0.35	0.48	0.4	0.34	0.39	0.34	0.31