APPLICATIONS

Premium recessed deep cell parabolic T-bar troffer designed for maximum efficiency and visual comfort. Ideal for commercial and industrial buildings requiring general illumination with recessed configurations and low glare.
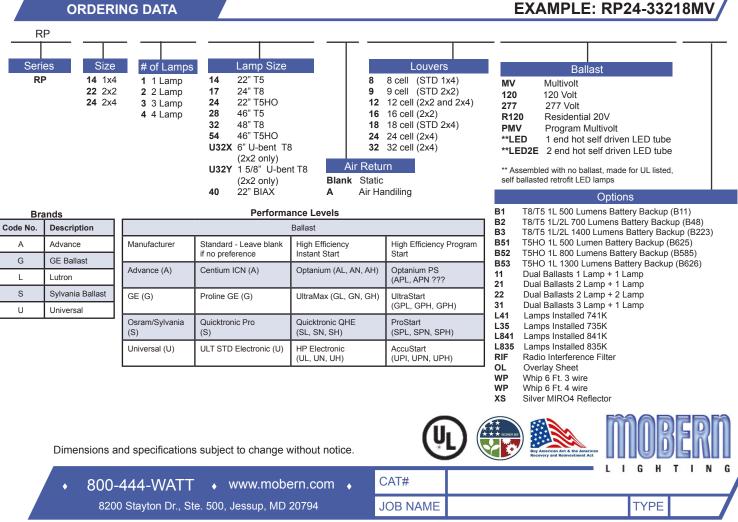
FEATURES & BENEFITS

♦ > 90% reflectivity
♦ Corrosion and scratch resistant
♦ Smooth edges for easy handling
♦ Louver manufactured from low iridescent semi-specular anodized aluminum
♦ Protective plastic dust cover keeps louver clean during shipping and installation
♦ Black reveal provides gap free floating louver appearance
♦ Hinges from either side
♦ Die-formed steel T-hinges
♦ Positive locking cam action latches
♦ Air functions - choice of static, air supply or heat removal
♦ Various cell configurations available
♦ Access plate for quick wiring
♦ Pre-lamp available
♦ Equipped with Integral Earthquake Clips
♦ Every fixture individually tested
♦ **UL** listed for damp location

SPECIFICATIONS

Housing and ends are die-formed from code gauge cold rolled steel. Precision formed anodized semi-specular aluminum louver. Standard normal 3" deep cell louvers are manufactured using interlocked construction and mitred corners. Wiring access plate or knockouts are provided on back of housing for flexible conduit attachment. Ballasts cover and snap into place eliminating the need for tools when accessing the ballast. Listed by and bears **UL** label.
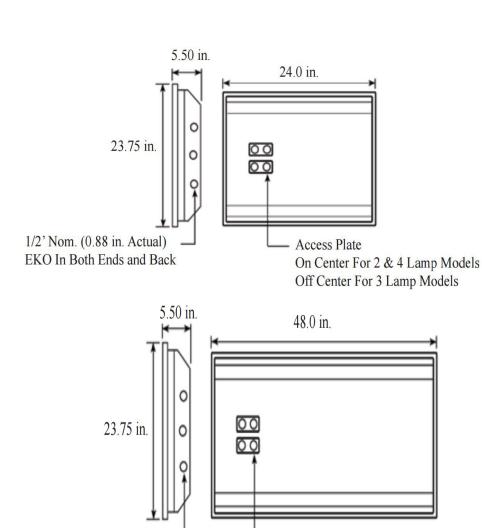
ORDERING DATA

EXAMPLE: RP24-33218MV

RP

Series	Size	# of Lamps	Lamp Size	Louvers	Ballast
RP	**14** 1x4	**1** 1 Lamp	**14** 22" T5	**8** 8 cell (STD 1x4)	**MV** Multivolt
	22 2x2	**2** 2 Lamp	**17** 24" T8	**9** 9 cell (STD 2x2)	**120** 120 Volt
	24 2x4	**3** 3 Lamp	**24** 22" T5HO	**12** 12 cell (2x2 and 2x4)	**277** 277 Volt
		4 4 Lamp	**28** 46" T5	**16** 16 cell (2x2)	**R120** Residential 20V
			32 48" T8	**18** 18 cell (STD 2x4)	**PMV** Program Multivolt
			54 46" T5HO	**24** 24 cell (2x4)	****LED** 1 end hot self driven LED tube
			U32X 6" U-bent T8 (2x2 only)	**32** 32 cell (2x4)	****LED2E** 2 end hot self driven LED tube
			U32Y 1 5/8" U-bent T8 (2x2 only)		
			40 22" BIAX		

** Assembled with no ballast, made for UL listed, self ballasted retrofit LED lamps

Air Return

Blank Static
A Air Handiling

Brands

Code No.	Description
A	Advance
G	GE Ballast
L	Lutron
S	Sylvania Ballast
U	Universal

Performance Levels

Ballast			
Manufacturer	Standard - Leave blank if no preference	High Efficiency Instant Start	High Efficiency Program Start
Advance (A)	Centium ICN (A)	Optanium (AL, AN, AH)	Optanium PS (APL, APN ???)
GE (G)	Proline GE (G)	UltraMax (GL, GN, GH)	UltraStart (GPL, GPH, GPH)
Osram/Sylvania (S)	Quicktronic Pro (S)	Quicktronic QHE (SL, SN, SH)	ProStart (SPL, SPN, SPH)
Universal (U)	ULT STD Electronic (U)	HP Electronic (UL, UN, UH)	AccuStart (UPI, UPN, UPH)

Options

B1	T8/T5 1L 500 Lumens Battery Backup (B11)
B2	T8/T5 1L/2L 700 Lumens Battery Backup (B48)
B3	T8/T5 1L/2L 1400 Lumens Battery Backup (B223)
B51	T5HO 1L 500 Lumen Battery Backup (B625)
B52	T5HO 1L 800 Lumen Battery Backup (B585)
B53	T5HO 1L 1300 Lumen Battery Backup (B626)
11	Dual Ballasts 1 Lamp + 1 Lamp
21	Dual Ballasts 2 Lamp + 1 Lamp
22	Dual Ballasts 2 Lamp + 2 Lamp
31	Dual Ballasts 3 Lamp + 1 Lamp
L41	Lamps Installed 741K
L35	Lamps Installed 735K
L841	Lamps Installed 841K
L835	Lamps Installed 835K
RIF	Radio Interference Filter
OL	Overlay Sheet
WP	Whip 6 Ft. 3 wire
WP	Whip 6 Ft. 4 wire
XS	Silver MIRO4 Reflector

Dimensions and specifications subject to change without notice.

♦ 800-444-WATT ♦ www.mobern.com ♦
8200 Stayton Dr., Ste. 500, Jessup, MD 20794

CAT#
JOB NAME
TYPE

REV. 05/01/2018

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DIMENSIONS

5.50 in.

24.0 in.

23.75 in.

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

5.50 in.

48.0 in.

23.75 in.

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

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PHOTOMETRICS FOR 2x4

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Lamp configurations 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

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