



# HOLOPHANE®

## FEATURES & SPECIFICATIONS

### INTENDED USE

Specification premium, high performance static T8 luminaires provide general illumination for recessed applications; ideal for schools, hospitals and other applications where fixture depth is a requirement. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

### ATTRIBUTES

Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

### CONSTRUCTION

Smooth hemmed fixture sides and ends for easy handling. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized.

Steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Door frame assemblies hinge or latch from either side of fixture. Powder-painted steel latches provide easy, secure door closure. Spring-loaded cam latches standard.

No asbestos is used in this product.

### FINISH

Five-stage iron-phosphate pre-treatment ensures superior paint adhesion. Painted parts finished with high-gloss, baked white enamel.

### OPTICAL

Broad range of lens options available to meet specific performance requirements.

### ELECTRICAL SYSTEM

Thermally-protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast is standard. Energy-saving and electronic ballasts sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

### LISTING

UL Listed (standard). Optional: Canada CSA or C-UL. Mexico NOM.

### WARRANTY

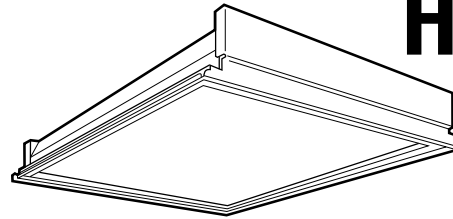
Guaranteed for one year against mechanical defects in manufacture.

NOTE: Specifications subject to change without notice.

Catalog Number	
Notes	Type

### Specification Premium T8 Troffer

# HT 2'X2'

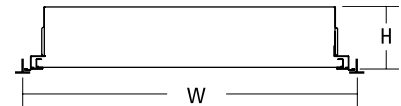


Compact Fluorescent,  
Straight and U Lamps  
2, 3 or 4 Lamps  
CF, TT5 or T8 Only

### Specifications

- Length: 24 (610)
- Width: 24 (610)
- Depth: 4-1/2 (114)
- Weight: 16 lbs (7 kg)

All dimensions are inches (millimeters).



## ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: HT22 G 2 U316 A12125 MVOLT GEB10IS

### HT22

Series	Number of lamps	Lamp type	Door frame	Voltage <sup>1</sup>	Options
HT22 2' wide	2	17 17W T8 (24")	(blank) Flush steel, white	120	1/4 One 4-lamp ballast
	3	U31 31W T8 (24")	FN Flush aluminum, natural	277	1/3 One 3-lamp ballast
	4	U316 31W T8 (6" leg, 24")	FM Flush aluminum, matte black	347	GEB10IS Electronic ballast, <10% THD, Instant Start
	Not included.	CF40 40W TT5	FW Flush aluminum, white	MVOLT Others available.	GEB10RS Electronic ballast, < 10% THD, Rapid Start
		14T5 14W T5 (22")	RN Regressed aluminum, natural		EL Emergency battery pack (nominal 300 lumens)
		24T5HO 24W T5HO (22")	RM Regressed aluminum, matte black		GLR Internal fast-blow fuse <sup>2</sup>
			RW Regressed aluminum, white		GMF Internal slow-blow fuse <sup>2</sup>
					LST Tandem-wired fixture pairs (shared ballasts)
					PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit
					LP735 Lamped; 700-series, 3500K
					LP__ Lamped, specify lamp type and color
					PAF Painted after fabrication (white enamel)
					LASC LA school safety cable
					JP Job pack without individual cartons, G trim only
					CSA CSA Certified
					NOM NOM Certified
					GEBIOPS Program start <sup>3</sup>

Diffuser type
A12 #12 pattern acrylic
A12125 #12 pattern acrylic, 0.125" thick
A19 #19 pattern acrylic, 0.156" thick
A15 #15 pattern acrylic, 0.200" thick
PC1S 1/2" x 1/2" x 1/2" plastic cube silver louver
PC2S 1-1/2" x 1-1/2" x 1" plastic cube silver louver
PC3S 3/4" x 3/4" x 1/2" plastic cube silver louver
84 HoloPhane pattern 8224

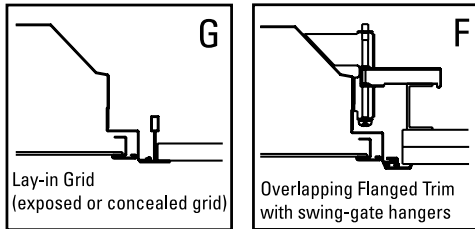
### NOTES:

- 1 MVOLT standard for 120V and 277V applications. Some options require voltage specified.
- 2 Must specify voltage.
- 3 T5 only

# HT 2'x2' Troffer T8 Troffer

## MOUNTING DATA

Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).

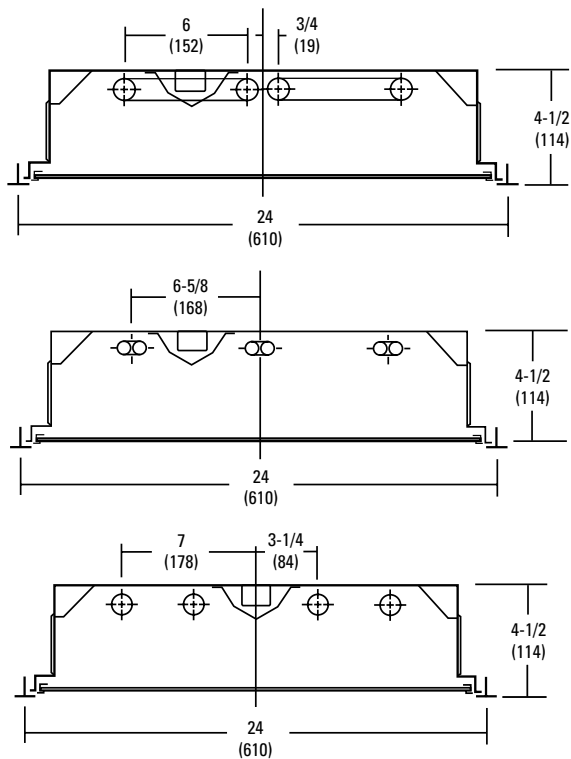


### Notes

- 1 Recommended rough-in dimensions for F trim fixtures 24" x 24" (Tolerance is +1/4", -0"). Swing-gate range 1-5/8" to 3-3/4". Swing-gate span 23-3/8" to 26-11/16".

## DIMENSIONS

All dimensions are inches (millimeters). Specifications subject to change without notice.



## PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

### HT22 G 2U316 A12125

Report: **LTL 14138**

LUMENS PER LAMP: **2800**

Luminaire Efficiency: **80.2%**

#### Coefficients of Utilization

	80%				20%			30%		
	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%
	0	96	96	96	96	89	89	89	85	85
1	88	84	81	78	79	77	75	76	74	72
2	81	75	70	65	70	66	63	68	65	62
3	74	66	60	55	63	58	54	61	56	53
4	68	59	53	48	56	51	47	54	50	46
5	63	53	47	42	51	45	41	49	44	41
6	59	48	42	37	46	40	36	45	40	36
7	54	44	37	33	42	36	32	41	36	32
8	51	40	34	29	39	33	29	38	33	29
9	47	37	31	27	36	30	26	35	30	26
10	45	34	28	24	33	28	24	32	27	24

#### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1456.3	26.0	32.4
0° - 40°	2367.0	42.3	52.7
0° - 60°	3835.3	68.5	85.4
0° - 90°	4492.9	80.2	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	4492.9	80.2	100.0

### HT22 G 3CF40 A12125

Report: **LTL 14222**

LUMENS PER LAMP: **3150**

Luminaire Efficiency: **81.0%**

#### Coefficients of Utilization

	80%				20%			30%		
	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%
	0	96	96	96	96	90	90	90	86	86
1	89	85	82	79	80	78	76	77	75	73
2	82	76	70	66	71	67	64	69	65	63
3	75	67	61	56	64	59	55	61	57	54
4	69	60	54	49	57	52	48	55	51	47
5	64	54	47	42	52	46	42	50	45	41
6	59	49	42	37	47	41	37	46	41	37
7	55	45	38	33	43	37	33	42	37	33
8	51	41	34	30	39	34	30	38	33	30
9	48	38	31	27	36	31	27	36	30	27
10	45	35	29	25	34	28	25	33	28	24

#### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	2531.4	26.8	33.1
0° - 40°	4104.4	43.4	53.6
0° - 60°	6571.9	69.5	85.9
0° - 90°	7652.1	81.0	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	7652.1	81.0	100.0

### HT22 G 3 17 A12125

Report: **LTL 14149**

LUMENS PER LAMP: **1325**

Luminaire Efficiency: **77.8%**

#### Coefficients of Utilization

	80%				20%			30%		
	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%
	0	93	93	93	93	86	86	86	83	83
1	85	82	79	76	77	75	73	74	72	70
2	78	72	68	63	68	65	61	66	63	60
3	72	64	59	54	61	56	52	59	55	52
4	66	58	51	46	55	50	45	53	48	45
5	61	52	45	40	49	44	40	48	43	39
6	57	47	40	36	45	39	35	44	39	35
7	53	43	36	32	41	35	31	40	35	31
8	49	39	33	29	38	32	28	37	32	28
9	46	36	30	26	35	29	26	34	29	25
10	43	33	27	23	32	27	23	31	27	23

#### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1009.1	25.4	32.6
0° - 40°	1638.7	41.2	53.0
0° - 60°	2645.3	66.5	85.6
0° - 90°	3090.9	77.8	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	3090.9	77.8	100.0



**HOLOPHANE**  
LEADER IN LIGHTING SOLUTIONS