

**OET**  
SERIES

## Economy Grade Recessed Troffer

### Product Description

A high efficiency fluorescent lay-in style fixture that provides exceptional light distribution for general areas.

Applications include retail, office areas, manufacturing, and gymnasiums with the Lexan or wireguard safety options.

OET fixtures are available with a variety of lens/louver and reflector combinations – allowing the customer to maximize efficiency and customize the “look” to meet their specific needs. Popular combinations include the D23 lens with Enhanced Specular reflector and the White 12 cell louver (2x4) with the Highly Reflective White Reflector.

### Mounting Methods

Standard troffer mounting for easy installation in T-bar ceilings.

Optional Flange Kit available for installation in NEMA Type F, drywall and plaster ceilings.

### Product Construction

The OET fixture housing is brake formed from heavy gauge cold rolled steel. Ends are permanently riveted to housing for strength and rigidity. The housing is pre-painted with a durable, highly reflective finish.

**Optical Reflector** system is precision brake formed of the selected aluminum material. The one piece reflector is removable without the use of tools.

**Lampholders** are made of a Polycarbonate material; these locking-style lampholders are utilized to ensure positive lamp retention. Additionally, the material contributes to a longer life product in high temperature applications. Compact fluorescent lampholders are standard 2G11 base snap-in type.

**Lens** Standard lens is a clear, 0.1” prismatic acrylic lens. Optional lenses/louvers are available, see ordering information.

**Ballasts** are electronic programmed-start (T5HO) or instant-start (T8) as a standard. Optional ballasts are available, consult factory for available systems and system specifications. Available voltages: 120v, 277v, 347v, voltage sensing 120-277v and 347-480v.

**Listings** – All fixtures are UL and CUL listed.

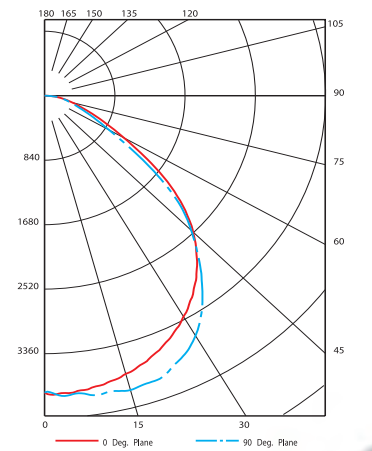
### Photometric Data

LTL NUMBER: 09670  
CAT#: OET D12 24 432 12 1SI E 741

#### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	3172	27.3	32.6
0-40	5210	44.9	53.6
0-60	8555	73.8	88.0
0-90	9724	83.8	100.0
90-180	0	0.0	0.0
0-180	9724	83.8	100.0

TOTAL LUMINAIRE EFFICIENCY: DIRECT			83.8%
PLANE:	0-DEG	90-DEG	
SPACING CRITERIA:	1.2	1.3	
LUMINOUS LENGTH:	45.750	21.500	



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OET – Fixture Ordering Information

Fixture Series	Lens	Size (FT)	# of Lamps*2	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Options	Lamp Color	Lamp Options*3
OET	D12	14	2	17	12	1	HI	E	W ( )	BLANK	HP
OET(F)*1	D125	22	3	24	27	2	LI	W	E ( )	830	A
	D23	24	4	U31	34	3	SI	B	F	835	TG*4
	DL1			32	UV		SI+		GC	841	SS*4
	DL2			U32	HV		PS		20G	850	ES ( )
	W6			36			PSL		SDT		XL
	W9			40			PSH		RLY		
	W12			50			PD				
	W18			54			SDH				
	CAL1			55			AX				

Please Specify When Ordering:

Fixture Series	Lens	Size (FT)	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Options	Lamp Color	Lamp Options
OET											

\*1 OET(F) is a flanged troffer designed for installation in sheetrock ceilings.

\*2 1x4 Fixture available with up to 3 – 32/54w lamps; 2x2 Fixture available with up to 4 – 17w/24w, 2 – U32w & 3 – U31, 36w, 40w, 50w & 55w lamps; 2x4 Fixture available with up to 4 - 32w, 36w, 40w, 50w 54w & 55w lamps.

\*3 Consult Factory for Manufacturer Specific Ordering Codes/Availability.

\*4 Use in lensed fixtures is limited. Contact factory for specific application details.

Lens Selections

- D12** Standard Prismatic
- D125** 0.125" Prismatic
- D23** 23 Pattern High Dispersion, High Efficiency
- DL1** 0.118" Clear Lexan
- DL2** 0.220" Clear Lexan
- W6** 6 Cell White (1x4)
- W9** 9 Cell White (2x2)
- W12** 12 Cell White (2x4)
- W18** 18 Cell White (2x4)
- CAL1** 0.118" Clear Acrylic

Lamp Type Selections

- 17** F17T8 System
- 24** F24T5H0 System
- U31** FU31T8 System
- 32** F32T8 System
- U32** FU32T8 System
- 36** FT36W/2G11 System
- 40** FT40W/2G11 System
- 50** FT50W/2G11 System
- 54** F54T5H0 System
- 55** FT55W/2G11 System

Voltage Selections

- 12** 120V
- 27** 277V
- 34** 347V
- UV** 120-277V
- HV** 347-480V

Ballast Selections

- HI** High Ballast Factor (HBF) Electronic\*
- LI** Low BF (LBF) Electronic\*
- SI** Standard BF (NBF) Electronic \*\*
- SI+** 1.0 BF Electronic \*
- PS** Programmed Start NBF
- PSL** Programmed Start LBF \*
- PSH** Programmed Start HBF\*\*\*
- PD** Programmed Start Dimming
- SDH** Step Dimming HBF (100% to 60% Dimming)\*
- AX** Daylight Harvesting Ballast with remote mount photosensor\*

\* T8 Only  
 \*\* T8 & 40w Biax Only  
 \*\*\* T8, 36, 40 & 50w Biax Only

Reflector Selections

- E** Enhanced Aluminum
- W** Highly Reflective White Aluminum
- B** 95% Reflective Extreme White Aluminum

Options Selections

- W ( )** Single Circuit Whip (Specify Length)
- E ( )** Emergency Pack (# Lumens)
- F** Inline Fuse
- GC** Grid Clips
- 20G** 20 gauge NYC Standards
- SDT** Step Down Transformer (480 to 277V)
- RLY** Low Voltage Relay

Lamp Color Selections

- BLANK** Lamps Not Included
- 830** 80+ CRI, 3000K
- 835** 80+ CRI, 3500K
- 841** 80+ CRI, 4100K
- 850** 80+ CRI, 5000K\*

\*T8, T5H0 & 40w BX Only

Lamp Options Selections

- HP** High Performance, Long Life\*
- A** Amalgam Tip\*\*
- TG** Tubeguarded
- SS** Shattershielded
- ES ( )** Energy Saver (Specify Wattage)\*\*\*
- XL** Long Life\*

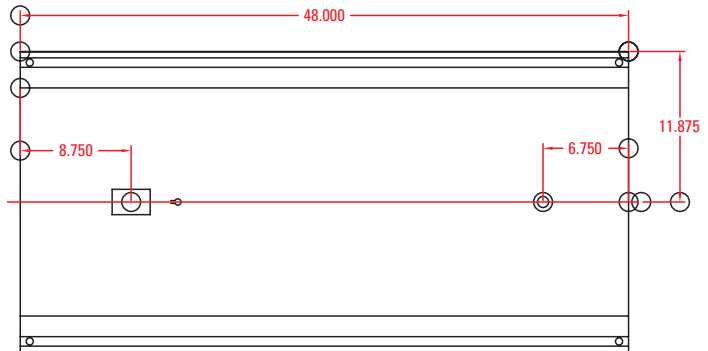
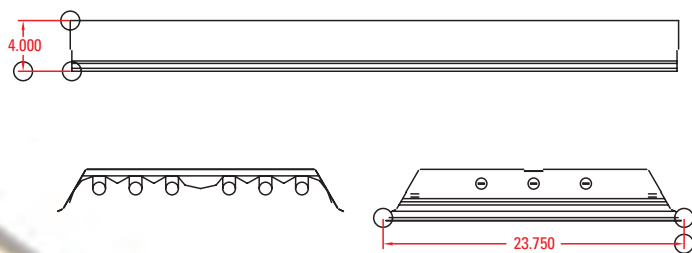
\* T8 Only  
 \*\* T5H0 Only  
 \*\*\* 32,U32,40,54w Only

Common Fixture Selections

Catalog Number	System	# of Lamps	Wattage (120/277V)*	Initial System Lumens*	Mean System Lumens*
OET D23 22 217 UV 1LI	T8	2	27w / 27w	2,370	2,291
OET D12 14 232 UV 1PS W	T8	2	59w / 58w	5,518	5,340
OET CAL1 24 432 UV 1PSH W	T8	4	147w / 144w	14,384	13,920
OET D125 24 454 UV 1PS E	T5H0	4	232w / 226w	20,000	19,000

\*Wattages may vary depending on the ballast manufacturer and lamp type used.

Initial and mean system lumens are the initial/mean lumen output of the lamp/ballast system as rated by lamp and ballast manufacturer and may vary from manufacturer to manufacturer. Specifications and dimensions subject to change without notice. Contact Optimum Lighting for current availability and ordering information.



Fixture Type: \_\_\_\_\_

Catalog #: \_\_\_\_\_ Quantity: \_\_\_\_\_

Project: \_\_\_\_\_

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