



OPT
SERIES

High Lumen, High Efficiency Fluorescent

Product Description:

A high efficiency fluorescent high-bay, lay-in style fixture, that provides exceptional light distribution for general areas. Applications include: retail, office areas, manufacturing and gymnasiums with the Lexan and wireguard safety options.

OPT fixtures are available with a variety of lens/louwer and reflector combinations – allowing the customer to maximize efficiency and customize the fixture “look” to meet their specific needs. Popular combinations include the D23 lens with Enhanced Specular reflector; and the White 18 cell louwer (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 OPT 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. Optional Powder Coat Finish Available.

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.”

Lens – Standard lens is a high efficiency 23 pattern clear acrylic. Optional lenses are available, see ordering information.

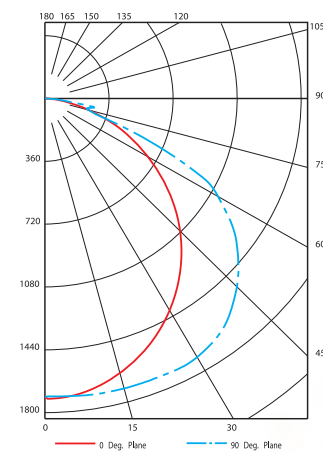
Ballasts are electronic programmed-start (T5HO) and instant-start (T8) as a standard. Optional ballasts are available, consult factory for available systems and system specifications. Available voltages: 120v 277v, 347v, voltage sensing 120-277v and 347-480v.

Listings – All fixtures are UL and CUL listed.

Photometric Data

LTL NUMBER: 14515
CAT#: OPT W12 24 232 UV 1SI W 841ADV

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	1377	22.2	25.6
0-40	2313	37.3	42.9
0-60	4290	69.2	79.6
0-90	5390	86.9	100.0
90-180	0	0.0	0.0
0-180	13888	81.2	100.0
TOTAL LUMINAIRE EFFICIENCY:			86.9%
TOTAL REFLECTANCE OF PAINT:			90.8%
CIE TYPE: DIRECT			
PLANE:	0-DEG	90-DEG	
SPACING CRITERIA:	1.2	1.4	
SHIELDING ANGLES:	12	19	
LUMINOUS LENGTH:	44.350	20.250	



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OPT – Fixture Ordering Information

Fixture Series	Lens	Size (FT)	# of Lamps*2	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Options	Lamp Color	Lamp Options*3
OPT	D12	14	1	17	12	1	HI	E	W ()	BLANK	HP
OPT(F)*1	D125	22	2	24	27	2	LI	W	E ()	830	A
	D23	24	3	U31	34	3	SI	B	F	835	TG*4
	DL1		4	32	UV	4	SI+		GSK	841	SS*4
	DL2		5	U32	HV		PS		GC	850	ES ()
	W6		6	36			PSL		WG		XL
	W9		8	40			PSH		20G		
	W12			50			PD		SDT		
	W18			54			SDH		NAT		
	CAL1			55			AX		2PCF		
									NV		
									RLY		
									PP		

Please Specify When Ordering:

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

*1 OPT(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 6 – 17/24w, 2 – U32w, 4 – U31w & 5 – 36/40/50/55w lamps; 2x4 Fixture available with up to 6 – 32w/54w lamps & 8 – 36/40/50/55w 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 F24T5HO System
- U31 FU31T8 System
- 32 F32T8 System
- U32 FU32T8 System
- 36 FT36W/2G11 System
- 40 FT40W/2G11 System
- 50 FT50W/2G11 System
- 54 F54T5HO 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
- GSK Gasket Door Frame & Housing
- GC Grid Clips
- WG Wireguard
- 20G 20 gauge NYC Standards
- SDT Step Down Transformer (480 to 277V)
- NAT Natatorium Finish
- 2PCF Double Powdercoat
- NV No Venting in Housing

(Continued in next column)

- RLY Low Voltage Relay
- PP Postpainted, Powdercoat Finish

Lamp Color Selections

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

*T8, T5HO & 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*

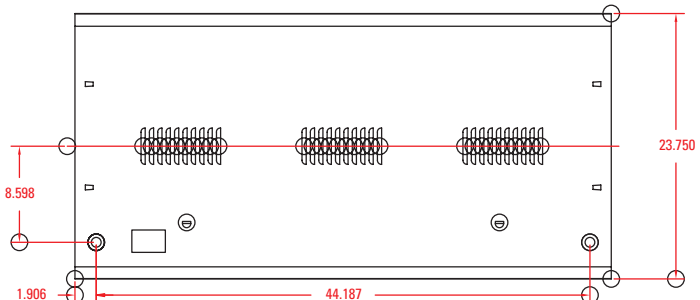
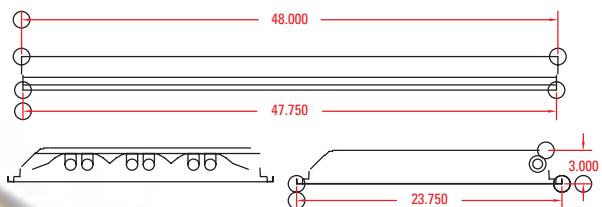
* T8 Only
 ** T5HO Only
 *** 32,U32,40,54w Only

Common Fixture Selections

Catalog Number	System	# of Lamps	Wattage (120/277V)*	Initial System Lumens*	Mean System Lumens*
OPT D23 24 454 UV 1PS E	T5HO	4	232w/226w	20,000	19,000
OPT DL1 24 554 UV 2PS E	T5HO	5	304w / 300w	25,150	23,893
OPT D125 22 617 UV 2PS W	T8	6	94w/94w	8,100	7,830
OPT(F) D12 24 632 UV 2HI E	T8	6	222w/218w	21,948	21,240

*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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