



Photometric Data

LTL#: 17563

CAT#: OPT W12 24 232 UV ISI B 841/ADV

Zonal Lumen Summary

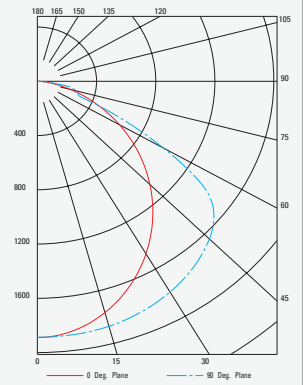
ZONE	LUMENS	%LAMP	%FIXT
0-30	1380	22.2	25.3
0-40	2315	37.3	42.4
0-60	4363	69.2	80.0
0-90	5457	86.9	100.0
90-180	0	0.0	0.0
0-180	5457	81.2	100.0

Total Luminaire Efficiency: 88.0%

CIE Type: Direct

Plane: 0-Deg 90-Deg

Spacing Criteria: 1.22 1.48



OPT SERIES

High lumen, high efficiency fluorescent

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 and wireguard safety options.

Light Distribution

OPT fixtures are available with a variety of lens/louver 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 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 OPT fixture housing is brake formed from heavy gauge cold rolled steel. Ends and socket plates are permanently riveted together for strength and rigidity. The housing is pre-painted with a durable, highly reflective finish. Optional powder-coat finish available.

Optical Reflector

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

Lampholders

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

The standard lens is a high efficiency 23 pattern clear acrylic. Optional lenses are available, see ordering information.

Ballasts

All 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.

Please specify when ordering

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

Fixture ordering guide

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	I7	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	W95	B60	835	TG*4
	DL1		4	32	UV	4	SI+		F	841	SS*4
	DL2		5	U32	HV		PS		GSK	850	ES ()
	W6		6	36			PSL		GC		XL
	W9		8	40			PSH		WG		
	W12			50			PD		20G		
	W18			54			SDH		SDT		
	CALI			55			AX		NAT		
									2PCF		
									NV		
									RLY		
									PP		

*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 36/40/50/55 lamps.

*3 Consult factory for manufacturing specific ordering codes/availability.

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

Available fixture selections

Lens Selections	Lamp Type Selections	Ballast Selections	Options Selections	Lamp Color Selections
D12 Standard Prismatic	I7 F17T8 System	HI High Ballast Factor (HBF) Electronic*	W() Single Circuit Whip (Specify Length)	BLANK Lamps Not Included
D125 0.125" Prismatic	24 F24T5HO System	LI Low Ballast Factor (LBF) Electronic*	E() Emergency Pack (# Lumens)	830 80+ CRI, 3000K
D23 23 Pattern High Dispersion, High Efficiency	U31 FU31T8 System	SI Standard Ballast Factor (NBF) Electronic**	B60 Bodine 2 Lamp Emergency Ballast (600-700 Lumens)	835 80+ CRI, 3500K
DL1 0.118" Clear Lexan	32 F32T8 System	SI+ 1.0BF Electronic*	F Inline Fuse	841 80+ CRI, 4100K
DL2 0.220" Clear Lexan	U32 FU32T8 System	PS Programmed Start (NBF)	GSK Gadget Door Frame & Housing	850 80+ CRI, 5000K*
W6 6 Cell White (1x4)	36 FT36W/2G11 System	PSH Programmed Start HBF***	GC Grid Clips	* T8, T5HO & 40w Biac Only
W9 9 Cell (2x2)	40 FT40W/2G11 System	PD Programmed Start Dimming	WG Wire Guard	Lamp Options Selections
W12 12 Cell White (2x4)	50 FT50W/2G11 System	SDH Step Dimming HBF (100% to 60% Dimming)*	20G 20 Gauge	HP High Performance, Long Life Lamps*
W18 18 Cell White (2x4)	54 F54T5HO System	AX Daylight Harvesting Ballast with remote mount photosensor*	SDT Step Down Transformer (480V to 277V)	A Amalgam Tip Lamps**
CALI 0.118" Clear Acrylic	55 FT55W/2G11 System		NAT Natatorium Finish	TG Tubeguarded Lamps
Voltage Selections	Reflector Selections		2PCF Double Powdercoat	SS Shattershielded Lamps
I2 120V	E Enhanced Aluminum		NV No Venting in Housing	ES() Energy Saver (Specify Wattage)***
27 277V	W Highly Reflective White Aluminum		RLY Low Voltage Relay	XL Long Life*
34 347V	W95 95% Reflective Diffuse, Bright White Reflector		PP Postpainted, Powdercoat Finish	
UV 120-277V				
HV 347-480V				

Common fixture selections

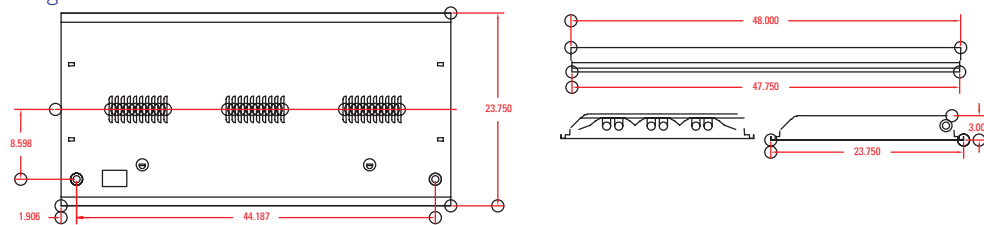
Catalog number	System	# of lamps	Wattage (120/277V)*	Initial system lumens*	Mean system lumens*
OPT D23 24 454 UV IPS E	T5HO	4	232w / 226w	20,000	19,000
OPT DL1 24 554 UV 2PS E	T5HO	5	304w / 300w	25,150	23,893
OPT D125 22 617 UV 2PS W	T8	6	94w / 94w	8,100	7,830
OPT(F) D12 24 632 UV 2HI E	T8	6	222w / 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 Philips Optimum for current availability and ordering information

Dimensional drawing



Fixture Type: _____

Catalog #: _____ Quantity: _____

Project: _____

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