



## OTR SERIES

### Aesthetic troffer Retrofit Kit with louver

The OTR troffer retrofit kit is designed to offer the end user an aesthetic and cost effective way to increase the efficiency and lumen output of existing troffer fixtures.

Applications include conference rooms, offices, supermarkets and retail applications.

OTR retrofit kits are available with a variety of lamp and reflector combinations allowing the customer to design the OTR system to meet or exceed existing light levels and customize the “look” to match their specific needs. The OTR 2x4 with FW12 louver/subframe and Diffuse White reflector is a popular fixture selection, especially for retail applications.

#### **Mounting Methods**

The OTR troffer retrofit is designed for easy installation in existing troffer fixtures. A subframe is provided for retrofit with a new efficient louver.

#### **Product Construction**

The OTR fixture's socket bars are made from pre-painted heavy gauge cold rolled steel. They are designed to fit most standard troffer fixtures.

#### **Optical Reflector**

The system is precision brake formed of the selected aluminum material. The one piece reflector is removable without the use of tools and is designed to simply snap into place.

#### **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.

#### **Louver**

Standard 2x4 louver is a shallow, high efficiency, white 12 cell. Optional louvers are available, see ordering information. Subframe standard with all louvers.

#### **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	Louver	Size (FT)	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Options	Lamp Color	Lamp Options
OTR	FW9	22	2	24	UV	1	PS	W		841	

### Fixture ordering guide

Fixture Series	Louver	Size (FT)	# of Lamps*1	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Options	Lamp Color	Lamp Options*3
OTR	FW6	14	1	17	BLANK	BLANK	NB*2	E	E ( )	BLANK	HP
OTR*4	FW9	22	2	24	12	1	HI	W	F	830	A
	FW12	24	3	U31	27	2	LI	B	SDT	835	TG
	FW18		4	32	34		SI		US*2	841	SS
				U32	UV		SI+		NS	850	ES ( )
				36	HV		PS				XL
				40			PSL				
				50			PSH				
				54			PD				
				55			SDH				
							AX				

\*1 1x4 fixture available with up to 2 - 32/54w lamps; 2x2 fixture available with up to 4 - 17/24/U31/36/40/50/55w or 2 - U32w; 2x4 fixture available with up to 4 - 32/36/40/50/54/55w lamps (consult factory for custom configurations).

\*2 OTR ordered with No Ballast will be shipped with Shunted Sockets, unless Unshunted Sockets are specified.

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

\*4 Custom 2x2 option: OTR W9 22 (23 3/4 x 23 3/4) 224 UV 1PS W

### Available fixture selections

Louver Selections	Lamp Type Selections	Ballast Selections	Options Selections	Lamp Color Selections
FW6 6 Cell White (1x4 & 2x2)	17 F17T8 System	NB Ballast Not Included	E( ) Emergency Pack (# Lumens)	BLANK Lamps Not Included
FW9 9 Cell White (2x2)	24 F24T5HO System	HI High Ballast Factor (HBF) Electronic*	F Inline Fuse	830 80+ CRI, 3000K
FW12 12 Cell White (2x4)	U31 FU31T8 System	LI Low Ballast Factor (LBF) Electronic*	SDT Step Down Transformer (480V to 277V)	835 80+ CRI, 3500K
FW18 18 Cell White (2x4)	32 F32T8 System	SI Standard Ballast Factor (NBF) Electronic**	US Unshunted Sockets	841 80+ CRI, 4100K
	U32 FU32T8 System	SI+ I.0BF Electronic*	NS No Sockets	850 80+ CRI, 5000K
	36 FT36W/2G11 System	PS Programmed Start (NBF)		
	40 FT40W/2G11 System	PSL Programmed Start LBF*		
	50 FT50W/2G11 System	PSH Programmed Start HBF***		
	54 F54T5HO System	PD Programmed Start Dimming		
	55 FT55W/2G11 System	SDH Step Dimming HBF (100% to 60% Dimming)*		
		AX Daylight Harvesting Ballast with Remote Mount Photosensor*		
		* T8 Only		
		*** T8 & 40w Biac Only		
		**** T8, 36, 40 & 50w Biac Only		
Voltage Selections			Reflector Selections	Lamp Options Selections
BLANK No Ballast			E Enhanced Aluminum	HP High Performance, Long Life Lamps*
12 120V			W Highly Reflective White Aluminum	A Amalgam Tip Lamps**
27 277V			B 95% Reflective Extreme White Aluminum	TG Tubeguarded Lamps
34 347V				SS Shattershielded Lamps
UV 120-277V				ES( ) Energy Saver (Specify Wattage)***
HV 347-480V				XL Long Life*
				* T8 Only
				** 54w, T5HO Only
				*** 32, U32, 40, 54w Only

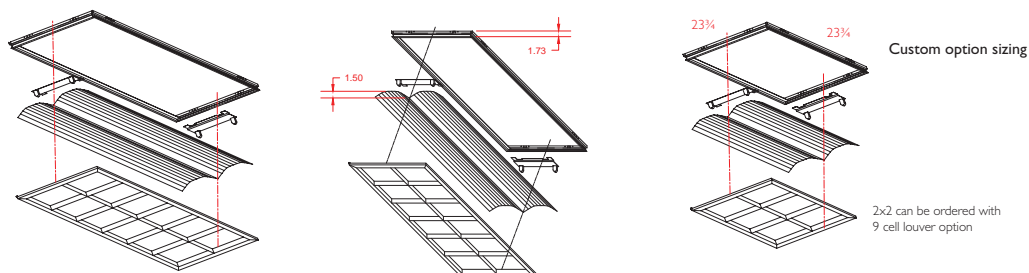
### Common fixture selections

Catalog number	System	# of lamps	Wattage (120/277V)*	Initial system lumens*	Mean system lumens*
OTR FW9 22 317 UV 1LI W	T8	3	40w / 40w	3,645	3,524
OTR FW12 24 232 UV 1HI W	T8	2	74w / 73w	7,130	6,900
OTR FW12 24 254 UV 1PS B	T5HO	2	116w / 115w	10,000	9,500
OTR FW12 24 432 UV 1HI E	T8	4	148w / 145w	14,632	14,160

\*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: \_\_\_\_\_

Retrofit Kits | [www.philips.com/optimum](http://www.philips.com/optimum) | Phone (800) 541-9082 | Fax (855) 231-0414

