

COOPER LIGHTING SOLUTIONS - METALUX®

DESCRIPTION

The New Optica HP Retrofit Kit is an effective "Energy Savings Alternative" for today's environmentally conscious marketplace. The Optica Retrofit Kit is designed for installation into a 2' x 2' parabolic or troffer as low as 3.5" deep. This retrofit kit system has been developed to produce the maximum efficiency in the market, faster install time and full NEC compliance.

In a marketplace where economics, energy awareness and conservation are key product specifications, the Optica Retrofit Kit is the right solution for any commercial, educational or retail merchandising retrofit kit application.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction

The retrofit kit assembly consists of four components and fits into most parabolics and troffers. Universal brackets are made from code gauge steel and come pre-wired to ballast and sockets. Kits are pre-assembled and ready for quick, easy install right out of the box. A one-piece high reflectance white reflector installs without any hardware, while a die formed steel louver provides the last component of this retrofit system.

Minimum housing depth = 3-1/2"

Ready-Set

Pre-installed self-tapping screws easily penetrates existing fixture body and ends. Leveling flange aligns, supports, and holds hardware in place, letting you hold the brackets with one

hand while driving in screws. No parts bag or extra hardware needed.

Electrical

Standard Class "P" electronic ballast with captive hardware for ease of install. Push-in lampholders. UL/cUL Listed. Suitable for damp locations. No junction box required.

Louver Finish

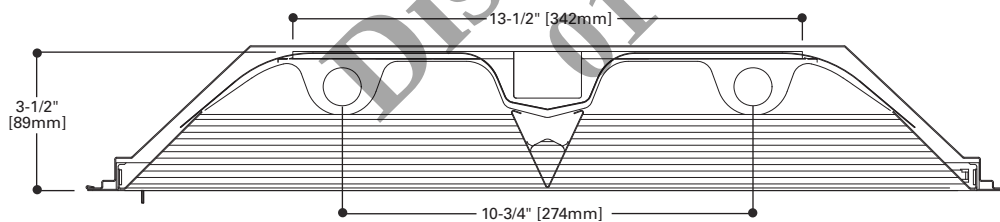
Cold rolled steel w/multistage iron phosphate pre-treatment for maximum bonding. Highly reflective matte white finish on all reflective surfaces for increased efficiency.

Hinge/Latch

Positive spring loaded, self locking, steel latching allows for easy opening and closing of louver or other shielding media. Hinging and latching can be done from either side of the retrofit kit for increased installation flexibility and ease of maintenance.

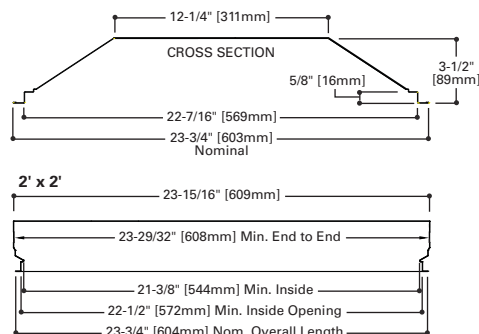
Optics

Die formed white louver w/faceted straight-blade cross members provides a clean edge with no hem, increasing overall optical efficiency to above 90%. Optional 97% reflective White Optics material is available to help maximize kit efficiency, distribution, energy savings and payback.

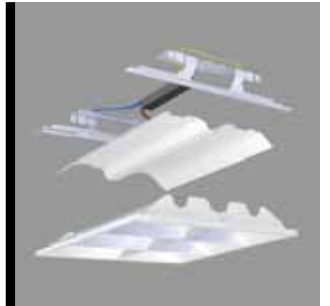


RETROFIT COMPATIBILITY

The OpticaHP retrofit kit was designed to upgrade troffer or parabolic fixtures from all major manufacturers that have the following minimum dimensions:



Before ordering refer to these dimensions as a reference or contact your local representative for a trial install prior to ordering large job quantities.



OpticaHP Retrofit 2x2

2U1-5/8

217

214T5

224T5

2 LAMP TROFFER AND PARABOLIC
RETROFIT KIT

Patent Pending



whiteoptics™



ENERGY DATA

Input Watts:

EB Ballast & STD Lamps

217=36

2U1-5/8=61

T5 Ballast & STD Lamps

214T5=34

224T5=52

LAMPS CONTAIN MERCURY. DISPOSE ACCORDING TO
LOCAL, STATE OR FEDERAL LAWS

LINEAR DISCONNECT

Safe and convenient means of
disconnecting power.



ORDERING INFORMATION

SAMPLE NUMBER: ART-2OP-217-UNV-EB81-10B

Product ART =Advanced Retrofit Technology	Width 2 =2' Nominal	Number of Lamps 2 =2 lamps (Not Included)	Distribution Blank =White (Medium) WO =White Optics (General)	Voltage ⁽¹⁾ 120V =120 Volt 277V =277 Volt 347V =347 Volt UNV =Universal Voltage 120-277 ⁽²⁾ NB =No Ballast	Ballast Type T5 Ballasts EBT __=T5 or T5HO Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor=1.0 Ballast/FactorType EBT_N =T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Normal Ballast Factor=.90 EBT_H =T5 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor=1.15 T8 Ballasts EB8 __=T8 Electronic Start. Total Harmonic Distortion < 10% EB8_/PLUS =T8 Electronic Start. Total Harmonic Distortion < 10%. High Ballast Factor > 1.15 ER8 __=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% High Performance T8 Ballasts HB8 __=T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 – .88 HB8_L =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Low Ballast Factor .77 – .82 HB8_N =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Normal Ballast Factor 1.0 HB8_H =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Normal Ballast Factor 1.15 – 1.20 HR8 __=T8 Electronic Program Rapid ⁽³⁾ Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 – .88 HR8_DIM =T8 Electronic Program ⁽³⁾ Rapid Start. Total Harmonic Distortion < 10%. Step Dimming. Ballast Factor .88 HR8_L =T8 Electronic Program ⁽³⁾ Rapid Start. Total Harmonic Distortion < 10%. Low Ballast Factor .71 – .79 HR8_H =T8 Electronic Program ⁽³⁾ Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 – 1.20	Packaging 10B =Bulk Pack U =Unit Pack (Consult factory for other packaging options)
	Series OP =Optica Retrofit Kit	Wattage (Length) U1-5/8 =31W 6-5/8" U-Lamp (24") 17 =17W T8 (24") 14T5 =14W T5 (24") 24T5 =24W T5HO (24")		Emergency Option EL =Emergency Installed. Low Profile Battery Pack Only. (consult factory)		Number of Ballasts 1 =1 Ballast 2 =2 Ballasts [Blank] =No Ballast (NB Option Only)

NOTES: ⁽¹⁾ Products also available in non-US voltages and frequencies for international markets. ⁽²⁾ Not available when specifying emergencies, voltage must be specific. ⁽³⁾ Recommended when using retrofits together with motion sensor, daylight harvesting or similar controls.

For complete product data, go to www.metalux-lighting.com. Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Solutions Representative for availability and ordering information.