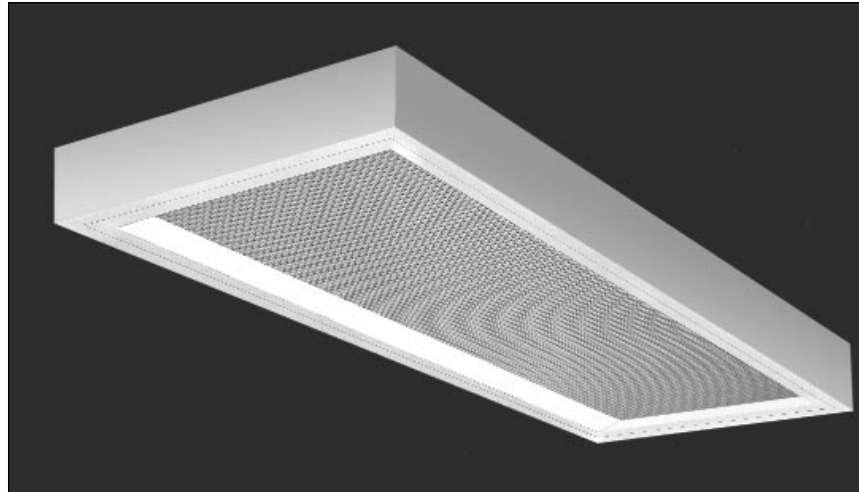


## APPLICATIONS

The EXCELON® "RD" series of surface units with regressed aluminum door are designed and precision engineered to meet the highest quality standard for todays discriminating specifier. Offering the widest choice of lamp/diffuser configurations. Exclusive LIGHT-LOCK™ design and positive hinging and high efficiency makes this the ideal troffer for any and all general lighting requirements. For offices, stores, schools, hospitals and public buildings.



## SPECIFICATIONS

**CONSTRUCTION:** Die formed of 20 gauge cold rolled steel, rigidly fabricated, and electrically welded to insure true and perfect alignment.

**SOCKET PLATE:** Die formed of heavy gauge cold rolled steel, securely mounted and readily removable for socket maintenance.

**REFLECTOR:** Die formed of heavy gauge cold rolled steel, securely mounted to housing. Formed to optically correct contour to provide maximum efficiency, removable to access wiring. XTA-XTRALUME® energy efficient reflector available (see Options).

**DOOR:** Heavy gauge extruded aluminum with mitered corners, 5/8" regress, with exclusive "LIGHT-LOCK™" design for light tight fit to housing. Door hinges from either side on concealed T-slot hinges and is secured in the closed position by positive locking lever latches allowing access to the interior without the use of tools.

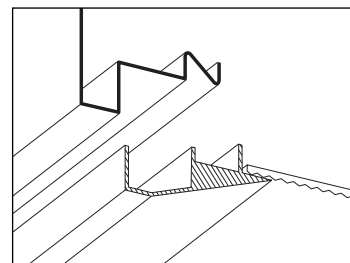
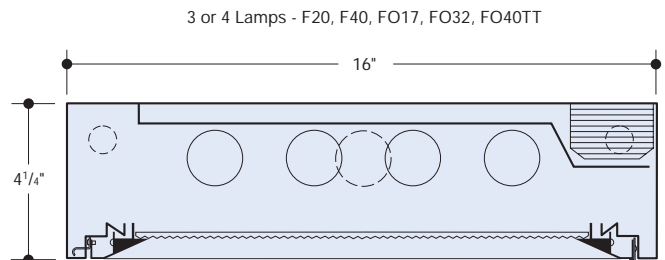
**ELECTRICAL:** Thermally protected Class "P" Energy Saving Rapid HPF 265MA-T8, 430MA T12, 270MA-Biax (Twin Tube), Trigger Start LPF magnetic ballast for 118V 60 Hz operation standard. Optional electronic ballasts, other voltages and frequencies available, (consult factory).

**MOUNTING:** Installed flush with ceiling, surface mounted, singly or in continuous rows. For continuous mounting - knockouts are removed in end and units joined together. Adequate knockouts for stem or flush surface mounting are provided. **CONSULT FACTORY FOR STEM MOUNTING.**

**FINISH:** All steel and aluminum component parts are completely protected against rust and discoloration after fabrication through an automated conveyerized multi-stage phosphate bonding process. Finished with an electrostatic baked white polyester thermosetting powder coating. This electronic computer controlled integrated system assures consistent high reflectance efficiency and maximum durability.

**CERTIFICATION:** The EXCELON® "RD" Series 456 is U.L. and C.U.L. listed and bears the label of the I.B.E.W./AFL-CIO, Local #3. Optionally listed for damp locations "DL".

EXCELON®, XTRALUME® and LEGION® are registered trademarks of LEGION LIGHTING CO., INC. LIGHT-LOCK™ is a trademark of LEGION LIGHTING CO., INC.



Exclusive LIGHT-LOCK™ design for light tight fit of door to housing. Diffuser inserted without the use of tools.

ORDERING DATA

Catalog No.	No. and Type Lamps	Nominal Dimensions	Weight
456-320	3-20W-TS-T12	16" x 24"	23
456-317 EBO	3-FO17-OCT-T8		
456-420	4-20W-TS-T12		25
456-417 EBO	4-FO17-OCT-T8		
456-3BX40	★★ 3-F40TT/RS		
456-4BX40	★★ 4-F40TT/RS	25	
456-340	3-40W-RS-T12	16" x 48"	35
456-332 EBO	3-FO32-OCT-T8		
456-440	4-40W-RS-T12		36
456-432 EBO	4-FO32-OCT-T8		

★★ F40TT/RS is the ANSI designation of various lamp manufacturers, i.e.: G.E. Lighting "Biax", Philips "PL", Osram "DULUX-L", Sylvania Twin Tube. For F50TT/RS change cat. no. Ex.: **456-3BX50**. etc. and consult factory. For F55TT/RS consult factory. 2 lamp units available, consult factory.

CONSULT FACTORY FOR 8 FOOT UNITS.

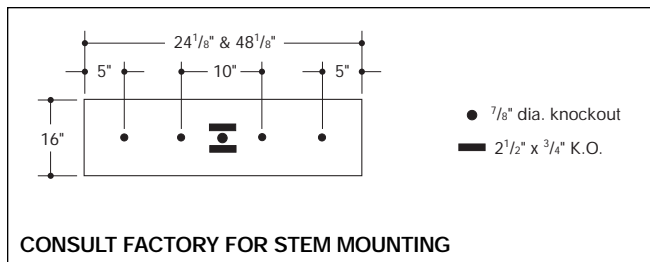
OCTRON™ is a registered trademark of SYLVANIA.  
BIAx™ is a trademark of General Electric Co.  
LEXAN® is a registered trademark of General Electric Co.  
Controlens® and Refractive Grid® are registered trademarks of Holophane Co.

REGRESS DOOR



5/8" Regress

BACK PLANS



CONSULT FACTORY FOR STEM MOUNTING

OPTIONS

Suffix "DIM" after catalog no. for dimming ballast.  
Suffix "LT" after catalog no. for cold weather ballast.  
Suffix "EM" after cat. no. for emergency battery pack, see price list for types.  
Suffix "DL" after catalog no. for damp location.  
Suffix "GASK" after catalog no. for gasketed door and lens.  
Suffix "TP" after catalog no. for tamperproof screws on door.  
Suffix "XTA" after catalog no. for XTRALUME® reflector standard with 85% reflectance, for 95% reflectance please specify your requirements.

FOR OPTIONAL DOOR FINISHES CONSULT FACTORY

ENERGY SAVING BALLASTS Where applicable (consult factory).

Suffix "ESB" after catalog number, then / and one of the following:

MAGNETIC

"SLH"-Super Low Heat T12 Ballast  
"MM-I"-Maxi Miser I T12 Ballast  
"PRE"-Premium III T12 Ballast  
"OCT"-Octron T8 Ballast  
"OPT"-Optimizer Ballast  
"DIM"-Magnetic T12 Dimming Ballast

ELECTRONIC

"EB"-Electronic T12 Ballast  
"EBO"-Electronic T8 Octron Ballast  
"EBX"-Electronic (BIAx) Twin Tube Ballast  
"EBD"-Electronic T12 Dimming Ballast  
"EBDO"-Elect. T8 Octron Dimming Ballast  
"EBDX"-Elect. (BIAx) Twin Tube Dimming Ballast

SHIELDING MEDIA

- Type (AL) 1/2" cube aluminum louver-white.
- Type (PL) 1/2" cube styrene louver-white.
- Type (PLA) 1/2" cube acrylic louver-white.
- Type (PAF) 5/8" cube Paraflex specular silver louver-styrene.
- Type (PAFA) 5/8" cube Paraflex specular silver louver-acrylic.
- Type (PW) 1/2" cube Parawedge specular silver louver-styrene.
- Type (PWA) 1/2" cube Parawedge spec. silver louver-acrylic.
- Type (PAFIVA) 3/4" x 3/4" x 1/2" deep Paraflex specular silver louver-acrylic.
- Type (PL3A) 3/4" x 3/4" x 1/2" deep high efficiency spec. silver louver-acrylic.
- Type (PL5A) 3/4" x 3/4" x 1/2" deep high efficiency spec. silver louver-acrylic.
- Type (RFA) acrylic plastic refractor.
- Type (RFL) polycarbonate Lexan® prismatic refractor.
- Type (K19A) KSH K19 acrylic lens.
- Type (FA) flat white acrylic.
- Type (GRA) glass fiber reinforced acrylic.
- Type (AIM) American injection molded acrylic.
- Type (K15A) 3/16" thick acrylic plastic refractor.
- Type (K20A) KSH K20 acrylic lens.
- Type (K11A) louvered prismatic acrylic panel.
- Type (RFI) Radio Frequency acrylic prismatic lens.
- Type (K3E) KSH K3E acrylic lens.
- Type (H06244) Holophane 6244 Controlens®.
- Type (H06251) Holophane 6251 Controlens®.
- Type (H08224) Holophane 8224 Refractive Grid®.
- Type (PH) Parahex specular silver louver.

● CONSULT FACTORY FOR MINIMUM QUANTITY ORDER AND AVAILABILITY. Select the diffuser required and add suffix to catalog number. EXAMPLE: 456-440-RFA.

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For Photometric Data Consult Factory