

MICROLINEA RECESSED SPACKLE FLANGE

SAFETY AND INSTALLATION INSTRUCTIONS

CONTINUOUS ROW INSTALLATION

NOTE: A FACTORY SHOP DRAWING IS PROVIDED FOR ALL CONTINUOUS ROW INSTALLATIONS. IF YOU ARE NOT IN POSSESSION OF A DRAWING, CONTACT YOUR LOCAL P.A.L. REPRESENTATIVE OR THE FACTORY TO OBTAIN ONE.

STEP 1:

CEILING CONTRACTOR TO PROVIDE SUPPORT T's OR CARRYING CHANNELS AS DESCRIBED IN STEP 1 ON FRONT PAGE. (REF. FIG. 1 OR 2)

STEP 2:

INSTALL FIRST FIXTURE (END OF ROW) FOLLOWING STEPS 2 THROUGH 5 FOR YOKE MOUNTING, (PAGE 2) OR STEPS 1 THOUGH 3 FOR THREADED ROD MOUNTING. (PAGE 3)

STEP 3:

MOUNT NEXT FIXTURE IN A SIMILAR FASHION AS FIRST FIXTURE SUCH THAT THE ALIGNMENT TABS (M) AND LAMP SOCKET PLATE FIT INTO THE FIRST FIXTURE. MAKE CONNECTION OF THE WIRE HARNESS (O) AND PUSH EXCESS WIRE BACK INTO FIXTURE. SLIDE FIXTURES TOGETHER, MAKING SURE THAT WIRE IS NOT PINCHED BETWEEN Joints, AND BOLT FIXTURES TOGETHER WITH NUTS AND BOLTS (N) SUPPLIED. (REF. FIG. 8)

STEP 4:

REPEAT STEP (3) AS REQUIRED TO COMPLETE ROW AS INDICATED ON FACTORY SHOP DRAWING.

STEP 5:

REMOVE ACCESS PLATE (E) AT LEFT HAND END OF ROW AND PULL FIXTURE LEADS OUT THROUGH OPENING. REMOVE KNOCK-OUT FROM ACCESS PLATE AND INSTALL FLEXIBLE CONDUIT FEED (D) TO ACCESS PLATE. ATTACH GROUND WIRE TO STUD ON INSIDE OF ACCESS PLATE AND MAKE OTHER WIRE CONNECTIONS MAINTAINING COLOR CODING OF WIRES. PUSH EXCESS WIRE INTO FIXTURE HOUSING AND SECURE ACCESS PLATE TO HOUSING ENSURING THAT WIRES ARE NOT PINCHED BETWEEN FIXTURE AND ACCESS PLATE. (REF. FIG. 9)

STEP 6:

INSTALL REFLECTORS (YOKE MOUNTING ONLY) ROTATE FLANGE SPACER BRACKET INTO POSITION AND SECURE TO PERFORATED FLANGE WITH SCREWS PROVIDED. (FIG. 4A)

STEP 7:

DRYWALL CONTRACTOR TO ATTACH DRYWALL TO PERIMETER FLANGE SERRATED SECTION (I) OF FIXTURE WITH SELF DRILLING DRYWALL SCREWS. (REF. PAGE 1 FIGURES 1OR 2)

STEP 8:

REMOVE AND DISCARD FLANGE SPACER BRACKET. INSTALL DRYWALL TAPE SUCH THAT IT COMPLETELY COVERS PERIMETER FLANGE PERFORATED SECTION (H) OF FIXTURE AND EXTENDS ONTO ADJOINING DRYWALL. **CAUTION:** DO NOT ALLOW TAPE TO ENCROACH ON PLASTER FLOAT GUIDE (G) OF FIXTURE FLANGE. FLOAT AND FINISH CEILING AS REQUIRED, USING SHIELD PROVIDED TO KEEP FLOATING COMPOUND OUT OF LIGHTED OPENING.

STEP 9:

INSTALL LAMPS AND DIFFUSERS. ENERGIZE FIXTURE AND CHECK FOR PROPER OPERATION.

FIRST (END OF ROW) FIXTURE (ILLUSTRATED IN INSTALLED POSITION)

*ILLUSTRATED ON FRONT PAGE

LEGEND:

- A- LENS /LOUVER
- B- REFLECTOR
- C- ADJUSTABLE YOKE
- D- FLEXIBLE CONDUIT (BY OTHERS)
- E- POWER ACCESS PLATE
- F- CARRIAGE BOLT ASSEMBLY
- * G- FLOAT GUIDE
- * H- PERFORATED FLANGE
- * I- SERRATED FLANGE
- J- YOKE SUPPORT WING
- * K- LOWER NUT
- L- CROSS BRACE
- M- ALIGNMENT TAB
- N- NUTS AND BOLTS
- O- WIRE HARNESS
- P- FLANGE SPACER BRACKET

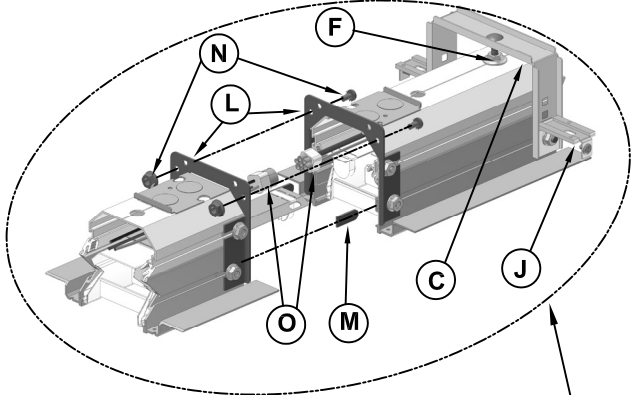


FIG. 8

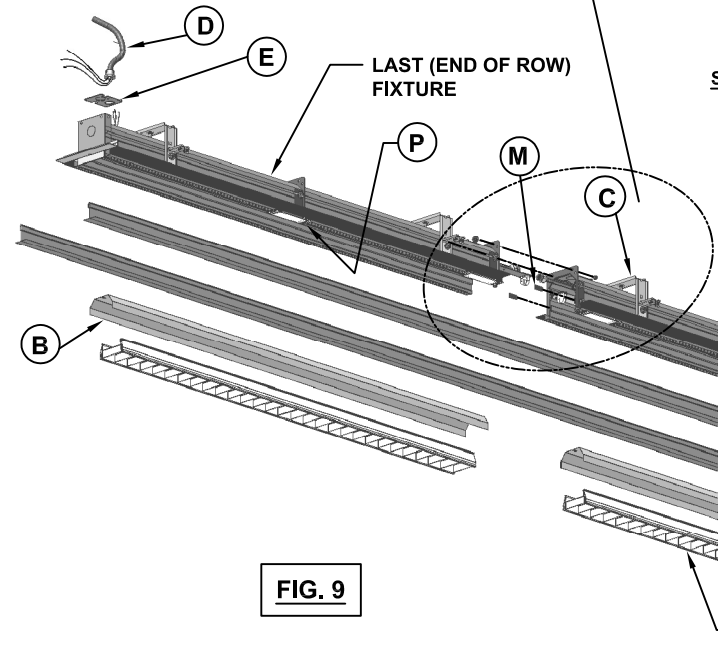


FIG. 9

NOTE:
YOKE MOUNTING ILLUSTRATED



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PAL RESERVES THE RIGHT TO CHANGE PRODUCT DESIGN AND SPECIFICATIONS. CONTACT FACTORY FOR MOST RECENT PRODUCT INFORMATION.

3750116-4 1/12

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SAFETY AND INSTALLATION INSTRUCTIONS

CAUTION:

- * BE CERTAIN THAT POWER TO FIELD WIRING HAS BEEN TURNED OFF PRIOR TO INSTALLATION.
- * CONNECTIONS TO FIELD WIRES AND GROUNDING OF FIXTURES MUST BE DONE IN ACCORDANCE WITH APPLICABLE LOCAL & NATIONAL CODES. INSTALLATION MUST BE PERFORMED BY QUALIFIED PERSONNEL.
- * IT IS INSTALLERS RESPONSIBILITY TO ENSURE THAT WALL, CEILING OR JUNCTION BOX IS STRUCTURALLY CAPABLE OF SUPPORTING WEIGHT OF FIXTURE.
- * BE CERTAIN THAT SUPPLY VOLTAGE IS THE SAME AS THAT MARKED ON BALLASTS AND TRANSFORMERS.

"ADJUSTABLE YOKE MOUNTING BRACKET"

INDIVIDUAL FIXTURE INSTALLATION

STEP 1:

DRYWALL "T" CEILING CONSTRUCTION (FIG 1)

CEILING CONTRACTOR TO PROVIDE TWO FIXED MAIN "T's" ON 8-1/4" CENTERS BY LENGTH OF FIXTURE RUN AS INDICATED ON FACTORY SHOP DRAWINGS. T's SHOULD BE ADEQUATELY SUPPORTED TO CARRY WEIGHT OF FIXTURE.

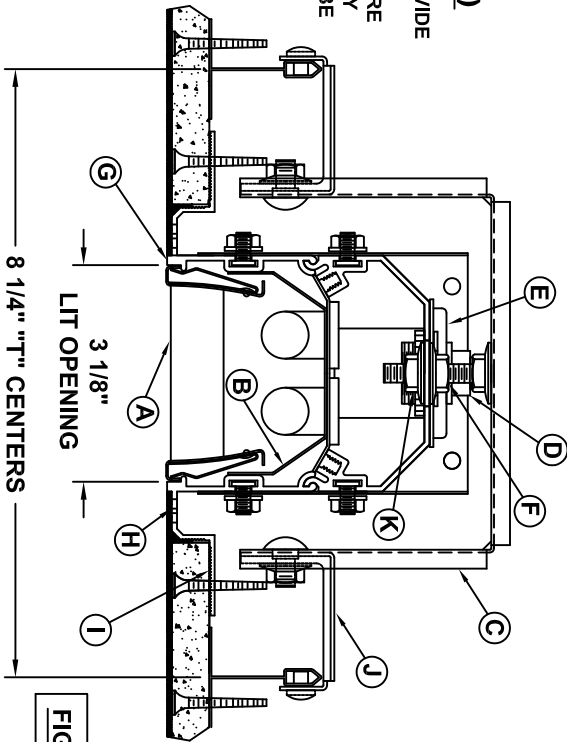


FIG. 1

NOTE:
THE FIXTURE MUST BE COMPLETELY INSTALLED BEFORE DRYWALL CAN BE ATTACHED TO CEILING FRAMING AND FIXTURE FLANGES.

LEGEND:

- A- LENS /LOUVER
- B- REFLECTOR
- C- ADJUSTABLE YOKE
- D- FLEXIBLE CONDUIT (BY OTHERS)
- E- POWER ACCESS PLATE
- F- CARRIAGE BOLT ASSEMBLY
- G- FLOAT GUIDE
- H- PERFORATED FLANGE
- I- SERRATED FLANGE
- J- YOKE SUPPORT WING
- K- LOWER NUT

METAL FURRING AND CARRYING CHANNEL CEILING CONSTRUCTION (FIG 2)

CEILING CONTRACTOR TO PROVIDE TWO FIXED CARRYING CHANNELS WITH A FACE TO FACE DIMENSION OF 6-3/4" X LENGTH OF FIXTURE RUN AS INDICATED ON FACTORY SHOP DRAWINGS. NOTE THAT THE FURRING CHANNEL SHOULD NOT INFRINGE UPON THE 6-3/4" OPENING CREATED BY THE CARRYING CHANNELS.

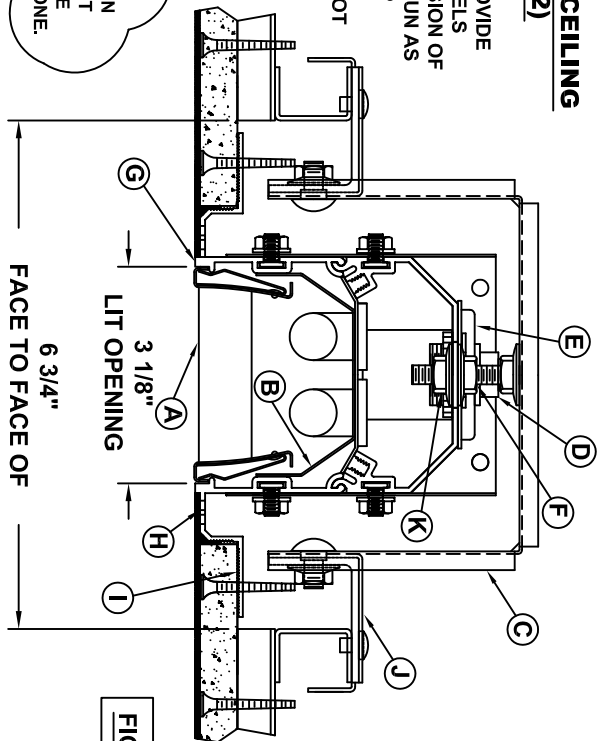


FIG. 2

NOTE:
IF YOU ARE NOT IN POSSESSION OF A SHOP DRAWING, CONTACT YOUR LOCAL REPRESENTATIVE OR THE FACTORY TO OBTAIN ONE.

INSTRUCTIONS CONTINUED ON FOLLOWING PAGE



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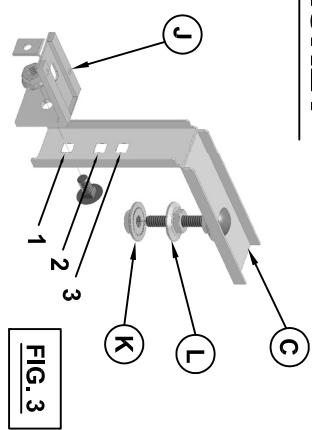
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MICROLINEA RECESSED SPACKLE FLANGE SAFETY AND INSTALLATION INSTRUCTIONS

"ADJUSTABLE YOKE MOUNTING BRACKET"

INDIVIDUAL FIXTURE INSTALLATION

- STEP 2:**
DETERMINE APPROPRIATE POSITION OF YOKE SUPPORT WINGS (J) AND TIGHTEN TO YOKE WITH 1/4-20 CARRIAGE BOLTS AND NUTS PROVIDED. (REF. FIG. 3)
- STEP 3:**
REMOVE DIFFUSER (A) AND REFLECTOR (B) FROM FIXTURE. REMOVE LOWER NUT (K) FROM YOKE ASSEMBLY (C) AND ADJUST UPPER JAM NUT (L) TO THE UPPERMOST POSITION. ATTACH TWO YOKE ASSEMBLIES (C) TO HOUSING THROUGH MOUNTING HOLES PROVIDED WITH PREVIOUSLY REMOVED NUT.(REF. FIG. 4)
- STEP 4:**
ROTATE YOKE ASSEMBLY TO CLEAR OPENING AND RAISE FIXTURE UP THROUGH CEILING FRAMING OPENING. ONCE FIXTURE CLEARS SUPPORTS, ROTATE YOKES SO THAT THEY ARE PERPENDICULAR TO THE HOUSING AND LOWER ENTIRE ASSEMBLY ONTO SUPPORT STRUCTURE. AT THIS POINT THE YOKE WINGS MAY BE SECURED TO THE CEILING STRUCTURE. (FASTENERS BY OTHERS)

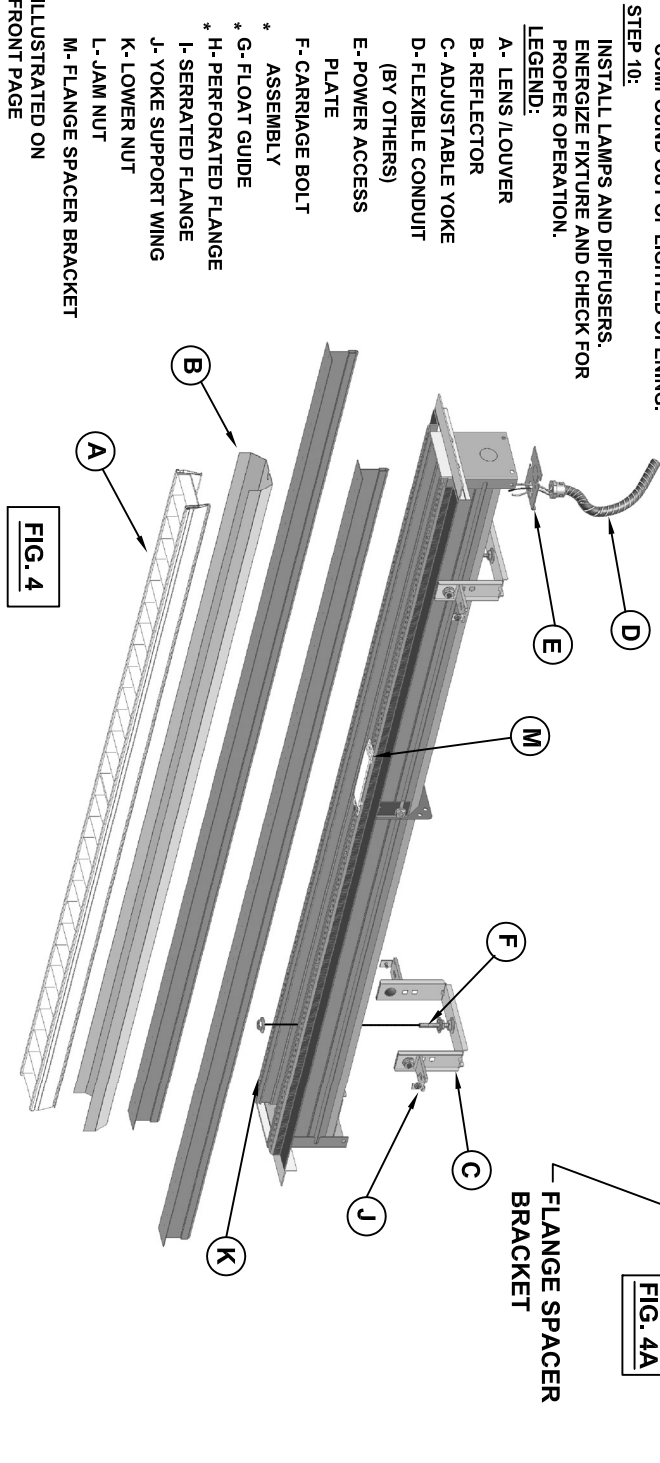


CEILING SUPPORT	POSITION
1-11/16"-T"	1
3/4" CHANNEL	1
1-1/2" CHANNEL	2
2" CHANNEL	3

- STEP 5:**
ADJUST LOWER NUT (K) WITHIN FIXTURE HOUSING SUCH THAT THE SERRATED FLANGE (I) IS FLUSH WITH CEILING FRAMING. TIGHTEN UPPER JAM NUT DOWN ONTO FIXTURE HOUSING TO LOCK IT INTO POSITION.
- STEP 6:**
REMOVE ACCESS PLATE (E) AND PULL FIXTURE LEADS OUT THROUGH OPENING. REMOVE KNOCK-OUT FROM ACCESS PLATE AND INSTALL FLEXIBLE CONDUIT FEED (D) TO ACCESS PLATE. ATTACH GROUND WIRE TO STUD ON INSIDE OF ACCESS PLATE AND MAKE OTHER WIRE CONNECTIONS MAINTAINING COLOR CODING OF WIRES. PUSH EXCESS WIRE INTO FIXTURE HOUSING AND SECURE ACCESS PLATE TO HOUSING INSURING THAT WIRES ARE NOT PINCHED BETWEEN FIXTURE AND ACCESS PLATE. (REF. FIG.4)

- STEP 7:**
INSTALL REFLECTORS AND ROTATE FLANGE SPACER BRACKET INTO POSITION AND SECURE TO PERFORATED FLANGE WITH SCREWS PROVIDED. (FIG. 4A)
- STEP 8:**
DRYWALL CONTRACTOR TO ATTACH DRYWALL TO PERIMETER FLANGE SERRATED SECTION (I) OF FIXTURE WITH SELF DRILLING DRYWALL SCREWS. (REF. PAGE 1 FIGURES 1 & 2)

- STEP 9:**
REMOVE AND DISCARD FLANGE SPACER BRACKET. INSTALL DRYWALL TAPE SUCH THAT IT COMPLETELY COVERS PERIMETER FLANGE PERFORATED SECTION (H) OF FIXTURE AND EXTENDS ONTO ADJOINING DRYWALL.
CAUTION: DO NOT ALLOW TAPE TO ENCROACH ON PLASTER FLOAT GUIDE (G) OF FIXTURE.
FLANGE, FLOAT AND FINISH CEILING AS REQUIRED. USING SHIELD PROVIDED TO KEEP FLOATING COMPOUND OUT OF LIGHTED OPENING.



MICROLINEA RECESSED SPACKLE FLANGE SAFETY AND INSTALLATION INSTRUCTIONS

"THREADED ROD BRACKET MOUNTING"

INDIVIDUAL FIXTURE INSTALLATION

- STEP 1:**
PROVIDE TWO PAIR OF 1/4-20 THREADED RODS (F) ON 4-1/2" CENTERS BY LENGTHWISE SPACING AS INDICATED ON FACTORY SHOP DRAWING. THREADED RODS SHOULD BE SECURELY ATTACHED TO STRUCTURE ABOVE AND TERMINATE APPROXIMATELY 3" ABOVE FINISHED CEILING LINE. THREAD ONE JAM NUT ON EACH THREADED ROD TO A POINT ABOVE FINAL HEIGHT ADJUSTMENT. (REF. FIG. 5) IF YOU ARE NOT IN THE POSSESSION OF A SHOP DRAWING, CONTACT YOUR LOCAL REPRESENTATIVE OR THE FACTORY TO OBTAIN ONE.

- STEP 2:**
SECURE SUPPORT BRACKET (C) ONTO EACH END OF FIXTURE WITH 10-24 NUTS PROVIDED (REF. FIG. 6)

- STEP 3:**
RAISE FIXTURE SUCH THAT THREADED RODS ARE PASSING THROUGH HOLES IN SUPPORT BRACKET. THREAD 1/4-20 NUTS ONTO RODS AND ADJUST SUCH THAT FIXTURE FLOAT GUIDE (G) IS FLUSH WITH FINISHED CEILING LINE. TIGHTEN JAM NUTS AGAINST UPPER SIDE OF BRACKET TO LOCK ASSEMBLY INTO POSITION. ADDITIONAL CROSSWISE AND LENGTHWISE SUPPORT MAY BE NECESSARY TO ENSURE THAT FIXTURE REMAINS IN PROPER POSITION DURING DRYWALL INSTALLATION.

- STEP 4:**
REMOVE ACCESS PLATE (E) AND PULL FIXTURE LEADS OUT THROUGH OPENING. REMOVE KNOCK-OUT FROM ACCESS PLATE AND INSTALL FLEXIBLE CONDUIT FEED (D) TO ACCESS PLATE. ATTACH GROUND WIRE TO STUD ON INSIDE OF ACCESS PLATE AND MAKE OTHER WIRE CONNECTIONS MAINTAINING COLOR CODING OF WIRES. PUSH EXCESS WIRE INTO FIXTURE HOUSING AND SECURE ACCESS PLATE TO HOUSING INSURING THAT WIRES ARE NOT PINCHED BETWEEN FIXTURE AND ACCESS PLATE. (REF. FIG.7)

- STEP 5:**
REMOVE LENS/LOUVER (A) AT THIS TIME AND ROTATE FLANGE SPACER BRACKET INTO POSITIONAND SECURE TO PERFORATED FLANGE WITH SCREWS PROVIDED. (FIG. 6)
- STEP 6:**
DRYWALL CONTRACTOR TO ATTACH DRYWALL TO PERIMETER FLANGE SERRATED SECTION (I) OF FIXTURE WITH SELF DRILLING DRYWALL SCREWS.

- STEP 7:**
REMOVE AND DISCARD FLANGE SPACER BRACKET. INSTALL DRYWALL TAPE SUCH THAT IT COMPLETELY COVERS PERIMETER FLANGE PERFORATED SECTION (H) OF FIXTURE AND EXTENDS ONTO ADJOINING DRYWALL. CAUTION: DO NOT ALLOW TAPE TO ENCROACH ON PLASTER FLOAT GUIDE (G) OF FIXTURE FLANGE. FLOAT AND FINISH CEILING AS REQUIRED, USING SHIELD PROVIDED TO KEEP FLOATING COMPOUND OUT OF LIGHTED OPENING.

- STEP 8:**
INSTALL LAMPS AND DIFFUSERS. ENERGIZE FIXTURE AND CHECK FOR PROPER OPERATION.

