

# AFFINE 2x2 LED

## HOUSING

TO BE FORMED FROM 20GA CRS  
 FINISH: ECO WHITE (STANDARD)  
 ALL STEEL PARTS ARE PHOSPHATE  
 TREATED FOR CORROSION RESISTANCE  
 BEFORE PAINT PROCEDURE, THEN  
 BAKED WITH SUPERIOR ADHESION  
 FOR DURABILITY

## LED MODULES

HIGHER EFFICACY UP TO 170 LPW  
 WITH SERVICE LIFE GREATER THAN  
 60000(L70) HIGH COLOR RENDER AND  
 EXCELLENT COLOR CONSISTENCY  
 COLOR OPTIONS AVAILABLE FROM  
 27K TO 40K .  
 90 CRI LEDS AVAILABLE AS OPTIONAL

## DRIVERS

CONSTANT CURRENT, CLASS 2  
 UNIVERSAL INPUT : 120-277VAC  
 SOUND RATED A, 54V OUTPUT 0-10V  
 DIMMING STANDARD .  
 DALI, ECOSYSTEM AND DMX DRIVERS  
 ALSO AVAILABLE

## REFLECTOR

TO BE FORMED FROM 20GA CRS  
 FINISH: BAKED WHITE ENAMEL WITH  
 90% REFLECTIVITY

## MOUNTING

FLANGE, SLOT GRID  
 FLANGELESS, 1<sup>5</sup>/<sub>16</sub> GRID(T)  
 9<sup>1</sup>/<sub>16</sub> GRID(T1)

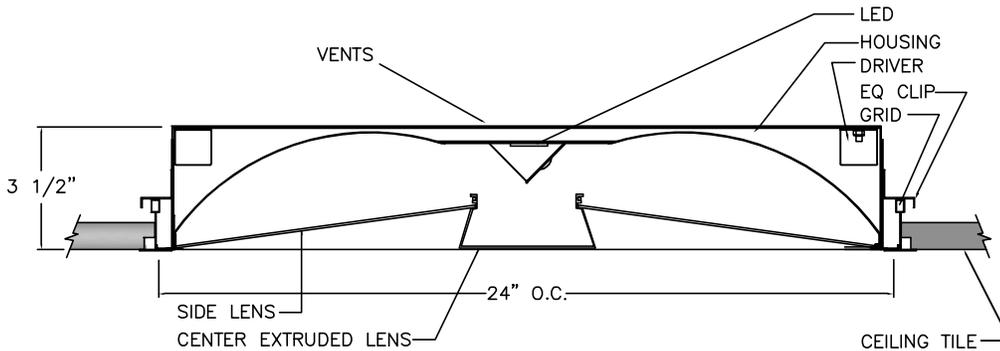
## PRODUCT DESCRIPTION

THE AFFINE LED 2'X2' COMBINES DIGITAL LED LIGHTING  
 WITH HIGH PERFORMANCE AFFINE OPTICAL DESIGN. THE  
 ADVANCE DESIGN OF THE LED AFFINE 2X2 OFFERS HIGH  
 EFFICIENCY, 60000 HOURS OF LIFE AND EXCELLENT COLOR  
 FOR GENERAL AND AMBIENT LIGHTING APPLICAITONS. THE  
 LINEAR INTEGRAL PRISMS OF THE TRANSLUCENT LENS  
 DISTRIBUTES LIGHT EVENLY INTO THE SPACE WHILE  
 MINIMIZING CONTRAST BETWEEN THE FIXTURE AND CEILING



TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_



EVEN AND VISUALLY  
 COMFORTABLE LED  
 LIGHT DISTRIBUTION  
 ACROSS PROFILE OF  
 THE PRODUCT

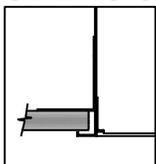
50% ENERGY  
 SAVINGS COMPARED  
 TO LINEAR  
 FLUORESCENT

SUSTAINABLE  
 MATERIALS

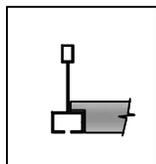
ARRAY OF LUMEN  
 OPTIONS ALL  
 LM79/LM80 UL  
 APPROVED

5 YEAR WARRANTY  
 LED AND DRIVER

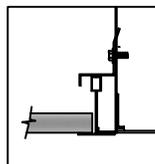
## CEILING OPTIONS



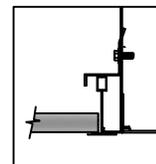
FLANGE(F)



SLOT GRID(SG)



GRID (T)



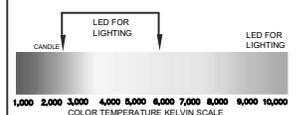
9/16"GRID (T1)

## ORDERING KEY

SERIES	LUMENS (WATTS)	COLOR TEMP	CEILING TYPE	VOLTAGE	OPTIONS
AFF22LED	<input type="checkbox"/> 2457 (26) <input type="checkbox"/> 3520 (38) <input type="checkbox"/> 4256 (45.02) Please contact National for other options.	<input type="checkbox"/> 2700K** <input type="checkbox"/> 3000K <input type="checkbox"/> 3500K <input type="checkbox"/> 4000K <input type="checkbox"/> 5000K Contact National For 2700K Option	<input type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> SG <input type="checkbox"/> T1	<input type="checkbox"/> 120 V <input type="checkbox"/> 277 V <input type="checkbox"/> UNIVERSAL	<input type="checkbox"/> EM <input type="checkbox"/> 0-10V <input type="checkbox"/> DALI <input type="checkbox"/> LDE1 - Eco1% <input type="checkbox"/> L3DA-3Wire or Eco1% <input type="checkbox"/> SENSOR(OCG/VAC) <input type="checkbox"/> TAILS

LUMENS WILL VARY  
 DEPENDING ON DIFFUSER  
 AND LED COLOR TEMP.

NATIONAL 3E/LED SERIES USES ENGINE/STICK ORIGINAL EQUIPMENT (BY OSRAM, PHILIPS, SAMSUNG, ET AL) WHICH ARE RATED FOR APPROXIMATELY 150 LM/W. ARCHITECTURAL LENSES PROVIDED WITH THE LUMINAIRES BY DESIGN EVEN THE BRIGHTNESS AND VISUAL COMFORT AND MIGHT FRACTIONALLY LOWER LM/W.



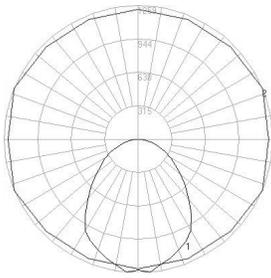
522 CORTLANDT ST.  
 BELLEVILLE, NJ 07109

NJ 973-751-1600  
 NY 212-751-1600  
 FAX 973-751-4931  
 WWW.NATLTG.COM



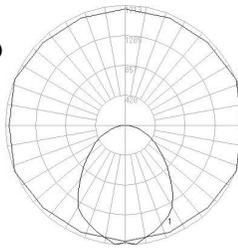
# AFFINE2X2 LED

## PHOTOMETRIC DATA



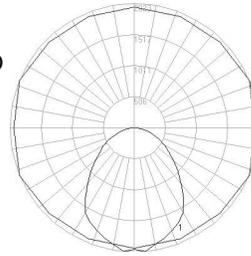
### AFFINE 2X2 LED-LO

LIFE: 60,000 HRS  
 WATTS:26  
 LUMENS:2457  
 EFFICACY:94.5  
 CRI: 80+



### AFFINE 2X2 LED-MO

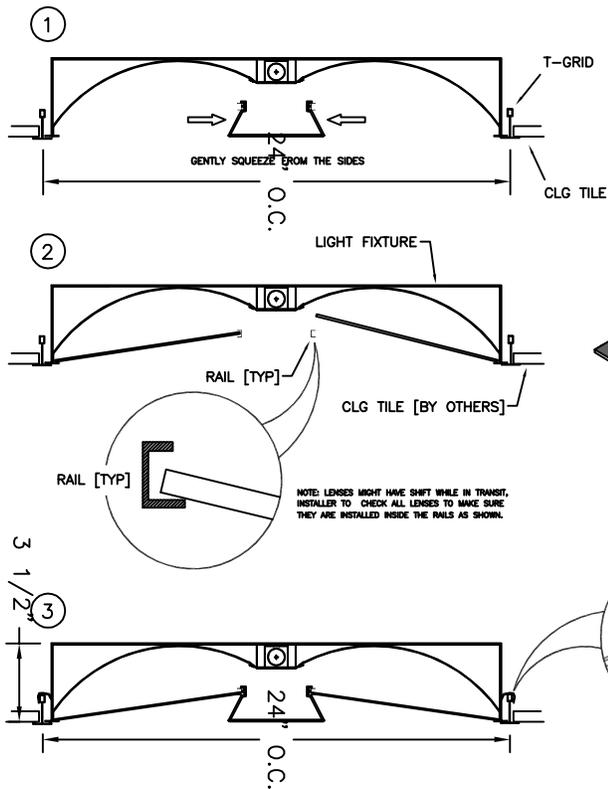
LIFE: 60,000 HRS  
 WATTS:38  
 LUMENS:3520  
 EFFICACY:92  
 CRI: 80+



### AFFINE 2X2 LED-HO

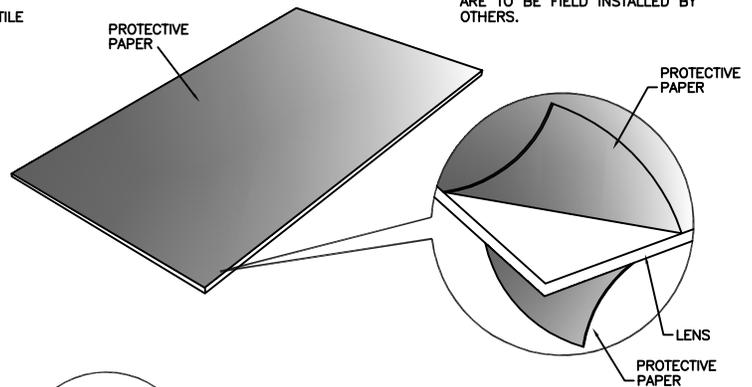
LIFE: 60,000 HRS  
 WATTS:45.02  
 LUMENS:4256  
 EFFICACY:94.05  
 CRI: 80+

## MOUNTING INSTRUCTIONS



ABOVE CEILING STRUCTURE AND SUPPORT TO BE SUPPLIED BY OTHERS.

NOTE: ALL PLASTIC SIDE PANELS ARE TO BE FIELD INSTALLED BY OTHERS.



NOTE: LENSES MIGHT HAVE SHIFT WHILE IN TRANSIT. INSTALLER TO CHECK ALL LENSES TO MAKE SURE THEY ARE INSTALLED INSIDE THE RAILS AS SHOWN.

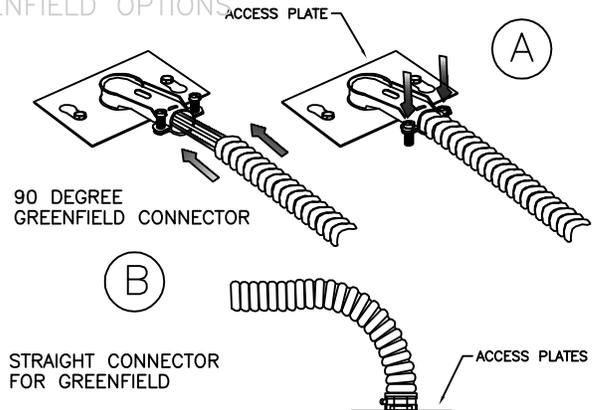
FOR E.Q. CLIP BEND TABS AS SHOWN (TYPICAL)

## LIGHTING CONTROL SOLUTIONS

- DIMMING ( 0-10V, DALI Or Lutron )**
  - 0-10V Dimming Driver used as standard.
  - Continuous Dimming up to 10%.
  - Dimming wires not provided unless specified
  - Contact National for Dali or Lutron Control system
- Occ/DAYLIGHT/Vacancy/Bi-Level**
  - Sensor-ready and compatible drivers provided.
  - Sensors can be field installed or could be installed in the fixtures
  - Bi-level dimming and Motion sensors also available
- Compatibility:**

National fixtures are compatible with Lutron, Philips Actilume, Magnum, Wattstopper, Hubbell , Leviton , Hytronik , Daintree & Enlighted Control System

## GREENFIELD OPTIONS



NATIONAL LIGHTING COMPANY, INC.  
 522 CORTLANDT ST.  
 BELLEVILLE, NJ 07109

NJ 973-751-1600  
 NY 212-751-1600  
 FAX 973-751-4931  
 WWW.NATLTG.COM

JOB NAME:
CATALOG:
TYPE: