

## DESCRIPTION

The Paralux III Tannenbaum louver offers designers an exciting new appearance for low brightness recessed applications. The luminaire incorporates a unique European louver design featuring low iridescent specular and Tannenbaum aluminum optical surfaces. This louver integrates into the Paralux III 4-3/4" deep para-contoured housing for optimum performance. The Paralux III series is compatible with all of today's popular ceiling systems and is available with a number of options and accessories to application versatility. The Paralux III Tannenbaum louver is a great visual alternative to traditional recessed luminaires and provides efficient, low glare ambient lighting appropriate for most commercial interior environments.

## SPECIFICATION FEATURES

### Construction

4-3/4" deep, para-contoured housing, die formed of code gauge, prime cold rolled steel. Die embossed housing has full length die formed stiffeners for added strength. Contoured ballast/wireway cover is easily removed without tools. Die formed captive lampholder bracket fully encloses lampholder wiring permitting easy lampholder replacement. Heavy end plates are securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided. KOs for continuous row wiring. End plates have labor saving integral Grid-Lock feature for safety and convenience. \*

### Electrical\*\*

Ballast are CBM/ETL Class "P" and positively secured. 2G11 base lampholders have double-edge wiping action pressure lock contacts with vertically oriented lamp support clips. UL/CUL listed. Suitable for damp locations.

### Finish

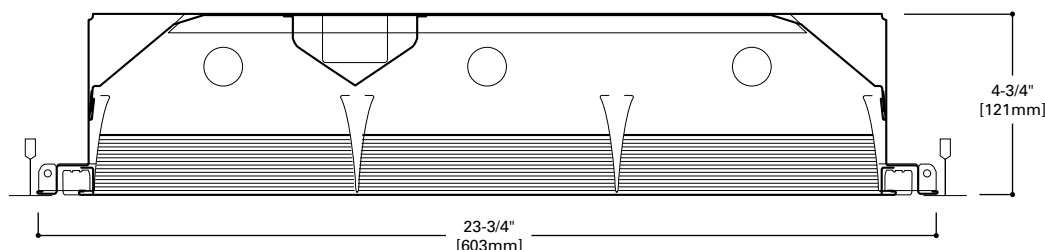
Lighting grade, baked white enamel finish. Multistage, iron phosphate pretreatment ensures maximum bonding and rust inhibition.

### Hinging/Latching

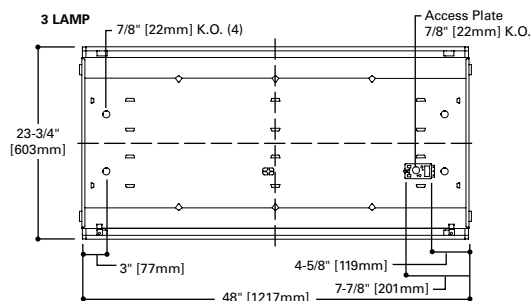
Positive spring loaded, self locking, steel latches. Safety lock T-hinges allow hinging and latching from either side.

### Louver

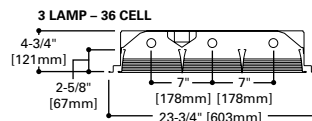
Die formed of low iridescent anodized specular and Tannenbaum aluminum. Finish is anodic oxide coating. Accurate precision contours are held in place with interlocking feature. True cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected from construction contaminants by poly cover.



## MOUNTING DATA



## LAMP CONFIGURATIONS



## CEILING COMPATIBILITY

| G                    | G           | G         | F  | MZ                                       | Ceiling Type                             | Trim Type |
|----------------------|-------------|-----------|--|--|--|-----------|
| Grid/Lay-in Standard | Concealed T | Slot Grid | Aluminum Flange Trim With Supporting Swing Gates | Modular Trim With Supporting Swing Gates | Exposed Grid                             | G         |
|                      |             |           |  |  | Concealed T                              | G         |
|                      |             |           |  |  | Slot Grid                                | G         |
|                      |             |           |  |  | Flange                                   | F         |
|                      |             |           |  |  | Concealed "T" or "Z"                     | MZ        |
|                      |             |           |  |  | Metal Pan                                | MZ        |
|                      |             |           |  |  | (Verify compatibility/ consult factory.) |           |



**2EP3GAX**

**328T8**

**332**

**36 Cell**

**2' X 4' PARABOLIC  
3 T8 LAMPS  
TANNENBAUM LOUVER**

Paralux III  
Recessed Static or Air  
Supply Troffer

**TANNENBAUM™**

## ENERGY DATA

Input Watts:  
**EB Ballast & STD Lamps**  
328T8 (67)  
332 (81)

Luminaire Efficacy Rating  
**LER = FP-61**  
**Catalog Number:** 2EP3GAX-  
332ST312MI  
**Yearly Cost of 1000 lumens,**  
**3000 hrs at .08 KWH = \$3.93**

\*\*Reference the lamp/ballast data in the Technical Section for specific lamp/ballast requirements.

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

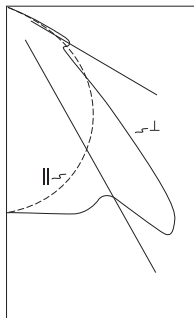
**LINEAR DISCONNECT**

Safe and convenient means of disconnecting power.



ADF090215  
October 16, 2019 3:05 PM

## PHOTOMETRICS

**2EP3GAX-332ST312MI**

Electronic Ballast  
FO32/35K Lamps  
2800 Lumens

Spacing criterion:  
(II) 1.2 x mounting  
height, (⊥) 1.7 x  
mounting height

Efficiency 69.0%

Test Report:  
2EP3GX332ST312MI.IES

LER = FP-61

Yearly Cost of 1000  
lumens, 3000 hrs at  
.08 KWH = \$3.93

## Coefficients of Utilization

| Effective floor cavity reflectance |     |    |    |    |    |     |    |    |    | 20% |     |    |    |    |    |     |    |    |    | 30% |     |    |    |   |  |    |  |  |  | 10% |  |  |  |  |  |  |  |  |  | 0% |  |  |  |  |  |  |  |  |  |
|------------------------------------|-----|----|----|----|----|-----|----|----|----|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|----|----|---|--|----|--|--|--|-----|--|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|
| rc                                 | 80% |    |    |    |    | 70% |    |    |    |     | 50% |    |    |    |    | 30% |    |    |    |     | 10% |    |    |   |  | 0% |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| rw                                 | 70  | 50 | 30 | 10 | 70 | 50  | 30 | 10 | 50 | 30  | 10  | 50 | 30 | 10 | 50 | 30  | 10 | 50 | 30 | 10  | 50  | 30 | 10 | 0 |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| RCR                                |     |    |    |    |    |     |    |    |    |     |     |    |    |    |    |     |    |    |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 0                                  | 82  | 82 | 82 | 82 | 80 | 80  | 80 | 80 | 77 | 77  | 77  | 73 | 73 | 73 | 70 | 70  | 70 | 69 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 1                                  | 77  | 74 | 72 | 70 | 75 | 73  | 71 | 69 | 70 | 68  | 67  | 67 | 66 | 65 | 65 | 64  | 63 | 62 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 2                                  | 72  | 67 | 63 | 60 | 70 | 66  | 63 | 60 | 64 | 61  | 58  | 61 | 59 | 57 | 59 | 58  | 56 | 55 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 3                                  | 66  | 60 | 56 | 52 | 65 | 59  | 55 | 52 | 58 | 54  | 51  | 56 | 53 | 50 | 54 | 52  | 49 | 48 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 4                                  | 61  | 54 | 49 | 45 | 60 | 54  | 49 | 45 | 52 | 48  | 44  | 50 | 47 | 44 | 49 | 46  | 43 | 42 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 5                                  | 56  | 49 | 43 | 39 | 55 | 48  | 43 | 39 | 47 | 42  | 39  | 45 | 41 | 38 | 44 | 41  | 38 | 37 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 6                                  | 52  | 44 | 38 | 34 | 51 | 43  | 38 | 34 | 42 | 37  | 34  | 41 | 37 | 34 | 40 | 36  | 33 | 32 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 7                                  | 48  | 39 | 34 | 30 | 47 | 39  | 34 | 30 | 38 | 33  | 30  | 37 | 33 | 29 | 36 | 32  | 29 | 28 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 8                                  | 44  | 35 | 30 | 26 | 43 | 35  | 29 | 26 | 34 | 29  | 26  | 33 | 29 | 25 | 32 | 28  | 25 | 24 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 9                                  | 40  | 31 | 26 | 22 | 39 | 31  | 26 | 22 | 30 | 25  | 22  | 29 | 25 | 22 | 29 | 25  | 22 | 21 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |
| 10                                 | 37  | 28 | 23 | 19 | 37 | 28  | 23 | 19 | 27 | 23  | 19  | 27 | 22 | 19 | 26 | 22  | 19 | 18 |    |     |     |    |    |   |  |    |  |  |  |     |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |

## Zonal Lumen Summary

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30  | 1812   | 21.6  | 31.2     |
| 0-40  | 3155   | 37.6  | 54.4     |
| 0-60  | 5329   | 63.4  | 91.9     |
| 0-90  | 5799   | 69.0  | 100.0    |
| 0-180 | 5799   | 69.0  | 100.0    |

## Typical VCP Percentages

| Room Size (Ft.) | Height Along |       | Height Across |       |
|-----------------|--------------|-------|---------------|-------|
|                 | 8.5'         | 10.0' | 8.5'          | 10.0' |
| 20 x 20         | 73           | 74    | 79            | 79    |
| 30 x 30         | 76           | 76    | 84            | 83    |
| 30 x 60         | 77           | 76    | 86            | 84    |
| 60 x 30         | 79           | 79    | 87            | 86    |
| 60 x 60         | 79           | 79    | 88            | 87    |

## Candela

| Angle | Along II | 45°  | Across ⊥ |
|-------|----------|------|----------|
| 0     | 2226     | 2226 | 2226     |
| 5     | 2203     | 2221 | 2244     |
| 10    | 2150     | 2203 | 2271     |
| 15    | 2078     | 2187 | 2325     |
| 20    | 1988     | 2171 | 2370     |
| 25    | 1884     | 2143 | 2333     |
| 30    | 1763     | 2080 | 2414     |
| 35    | 1624     | 1972 | 2981     |
| 40    | 1466     | 1982 | 2788     |
| 45    | 1290     | 2084 | 1736     |
| 50    | 1088     | 1686 | 1042     |
| 55    | 862      | 1003 | 767      |
| 60    | 620      | 553  | 800      |
| 65    | 377      | 346  | 158      |
| 70    | 189      | 183  | 18       |
| 75    | 106      | 75   | 9        |
| 80    | 51       | 36   | 4        |
| 85    | 20       | 12   | 1        |
| 90    | 0        | 0    | 0        |

## ORDERING INFORMATION

SAMPLE NUMBER: 2EP3GAX-332ST312-UNV-EB81-U

|   |  |  |  |  |
|---|--|--|--|--|
| <b>Rating</b><br>Blank= Standard<br>ATW-SW4= Chicago Rated<br><br><b>HR</b> =Heat Removal <sup>(1)</sup><br><br><b>Width</b><br>2=2' Width<br><br><b>EP</b> =Paralux Louver<br><br><b>3=3" Louver Depth</b> | <b>Number of Lamps</b><br>3=3 Lamps <sup>(2)</sup><br><br><b>Wattage (Length)</b><br>28T8=28W T8 (48")<br>32=32W T8 (48")  | <b>Voltage</b> <sup>(4)</sup><br>120V=120 Volt<br>277V=277 Volt<br>347V=347 Volt<br>UNV=Universal Voltage 120-277 <sup>(5)</sup>   | <b>Ballast Type</b><br>EB8 = T8 Electronic Start.<br>Total Harmonic Distortion < 10%<br>No. of Ballast<br>1, 2 or 3<br>EB8 / PLUS= T8 Electronic Start.<br>Total Harmonic Distortion < 10%<br>High Ballast Factor >1.15<br>No. of Ballast<br>1, 2 or 3<br>ER8 = T8 Electronic Program Rapid Start.<br>Total Harmonic Distortion < 10%<br>No. of Ballast<br>1, 2 or 3<br><br><b>High Performance T8 Ballasts</b><br>HB8 = T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 – .88<br>HB8_L = T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Low Ballast Factor .77 – .82<br>HB8_N = T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Normal Ballast Factor 1.0<br>HB8_H = T8 Electronic Instant Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 – 1.20<br>HR8 = T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 – .88<br>HR8_DIM = T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming. Ballast Factor .88<br>HR8_L = T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Low Ballast Factor .71 – .79<br>HR8_H = T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 – 1.20 | <b>Options</b><br>PAF=Painted After Fabrication<br>REP=Riveted Endplates<br><br><b>Packaging</b><br>U=Unit Pack<br>PAL=Job Pack, out of carton<br>PALC=Job Pack, in carton |
| <b>Louver Color/Type</b><br>ST=Silver Tannenbaum  | <b>Cell Configuration</b><br>312=3 Rows of 12, 36 Cell   | <b>Options</b><br>GL=Single Element Fuse<br>GM=Double Element Fuse<br>WTR=White Reveal<br>Flex=Flex Installed (Reference Flex ordering information)<br>EL=Emergency Installed <sup>(6), (10)</sup> | <b>Lamps Installed</b><br>Blank=No Lamps Installed<br>L8935=T8 Lamp, 28W and 32W, 3500K <sup>(9)</sup><br>L8941=T8 Lamp, 28W and 32W, 4100K <sup>(9)</sup><br>L8835HL=T8 Lamp, 32W, 3500K, 3100 Lumens<br>L8841HL=T8 Lamp, 32W, 4100K, 3100 Lumens   |  |
| <b>Trim Type</b><br>G=Grid/Lay-in (Standard)<br>G=Concealed T/Slot Grid <sup>(7)</sup><br>F=Aluminum Flange Trim <sup>(8)</sup><br>MZ=Modular Trim  | <b>Option – Aluminum Flange Trim</b> <sup>(8)</sup><br>Blank=SW (Single White)<br>Type Color<br>'S' Single 'N' Natural<br>'R' In Row 'W' White<br>'E' End of Row |  |  |  |
| <b>AX</b> =Air Supply Floating Louver<br><b>X</b> =Blank Side/Floating Louver - Non-Air Supply (Omit A)<br><b>AVX</b> =Air Supply Floating Louver with Directional Air Vane (Add V)                         |  |  |  |  |

**NOTES:** <sup>(1)</sup> Integral end plate grid lock feature not available in heat removal. <sup>(2)</sup> An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. <sup>(3)</sup> Standard off-center ballast on 3-lamp fixtures. <sup>(4)</sup> Products also available in non-US voltages and frequencies for international markets. <sup>(5)</sup> Not available when specifying emergencies, voltage must be specific. <sup>(6)</sup> Fixtures equipped with "EL" option may require a 5-1/2" housing depth. If installing in field, must use low profile battery pack. <sup>(7)</sup> Louver is recessed by 5/16" in Concealed T or Slot Grid T. <sup>(8)</sup> Specify row configuration, type in catalog number when ordering complete fixture. <sup>(9)</sup> 32W lamps are 90 CRI only. <sup>(10)</sup> Please specify required voltage, 120V or 277V.

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Solutions Representative for availability and ordering information.

## ACCESSORIES

EQ-CLIP-U=T-BAR Safety Earthquake Clips<sup>(2)</sup>

## SHIPPING DATA

| Catalog No.        | Wt.     |
|--------------------|---------|
| 2EP3GAX-328T8ST312 | 42 lbs. |
| 2EP3GAX-332ST312   | 42 lbs. |