

## DESCRIPTION

The Paralux III Series features recessed aesthetics and the latest in energy efficient technology. The luminaire incorporates a nominal 3" deep precision cell louver into a 4-3/4" deep para-contoured fixture housing. This combination creates a total high performance parabolic optical assembly for optimum performance. The series is compatible with all of today's popular ceiling systems and is available with a number of options and accessories for application versatility. The high performance luminaire is designed to offer maximum efficiency and performance for today's unique interior specifications. The Paralux III series is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

## 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 are positively secured by mounting bolts. Pressure lock lampholders. 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

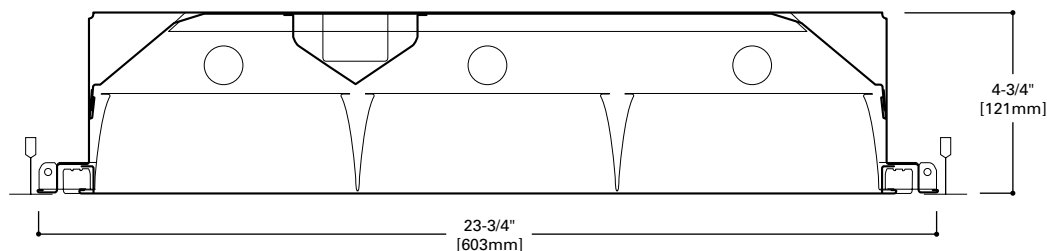
Positive cam action spring loaded, self locking, black steel latches. Safety lock T-hinges allow hinging and latching either side.

### Louver

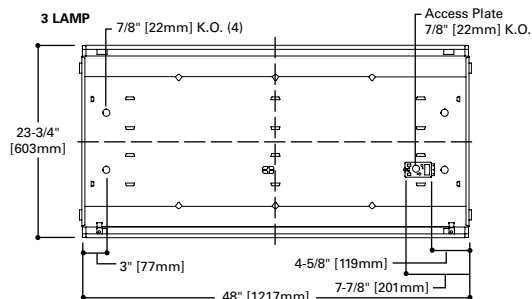
Die formed of low iridescent, vertical grain anodized aluminum. Finish is Anodic oxide coating. Accurate precision parabolic cells are held in place with interlocking feature. True-cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected from construction contaminants by polyethylene cover.

### Compliance

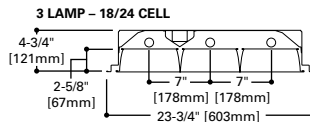
Options to meet Buy American Act requirements.



## 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                                | F         |
|                      |             |           |                                                  |                                          | Flange                                   | MZ        |
|                      |             |           |                                                  |                                          | Concealed "T" or "Z"                     | MZ        |
|                      |             |           |                                                  |                                          | Metal Pan                                | MZ        |
|                      |             |           |                                                  |                                          | (Verify compatibility/ consult factory.) |           |



**2EP3GAX**  
**328T8**  
**332**

**18, 24 Cell**

**2' X 4' PARABOLIC**  
**3 T8 LAMPS**  
**SEMI-SPECULAR, SPECULAR**  
**OR WHITE PAINTED LOUVER**

Paralux III  
Recessed Static or Air  
Supply Troffer



## ENERGY DATA

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

Luminaire Efficacy Rating

**LER = FP-77**

**Catalog Number:** 2EP3GAX-332S361

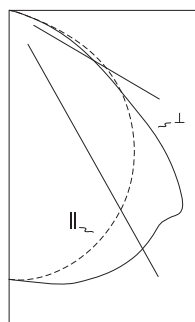
**Yearly Cost of 1000 lumens,**  
**3000 hrs at .08 KWH = \$3.11**

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

**LINEAR DISCONNECT**

Designed to provide safe and convenient  
means of disconnecting power

## PHOTOMETRICS



**2EP3GX-332S361-EB82**  
Electronic Ballast  
F32T8/35K Lamps  
3100 Lumens  
Spacing criterion:  
(H) 1.3 x mounting  
height, (L) 1.5 x  
mounting height  
Efficiency 69.1%  
Test Report:  
220P211  
LER = FP-77  
Yearly Cost of 1000  
lumens, 3000 hrs at  
.08 KWH = \$3.11

## Candlepower

| Angle | Along H | 45°  | Across L |
|-------|---------|------|----------|
| 0     | 2243    | 2243 | 2243     |
| 5     | 2246    | 2258 | 2275     |
| 10    | 2213    | 2263 | 2311     |
| 15    | 2160    | 2248 | 2340     |
| 20    | 2084    | 2215 | 2354     |
| 25    | 1992    | 2163 | 2342     |
| 30    | 1884    | 2089 | 2303     |
| 35    | 1762    | 1998 | 2231     |
| 40    | 1619    | 1880 | 2268     |
| 45    | 1463    | 1759 | 2080     |
| 50    | 1298    | 1619 | 1670     |
| 55    | 1120    | 1310 | 1244     |
| 60    | 921     | 891  | 1052     |
| 65    | 673     | 583  | 771      |
| 70    | 373     | 339  | 432      |
| 75    | 128     | 132  | 148      |
| 80    | 54      | 54   | 55       |
| 85    | 19      | 18   | 15       |
| 90    | 0       | 0    | 0        |

## Coefficients of Utilization

| Effective floor cavity reflectance |     |    |    |    |    |    |     |    |    |    |    | 20% |     |    |    |    |    |    |     |    |    |    |    |    |     |    |    |    |   |  |    |  |
|------------------------------------|-----|----|----|----|----|----|-----|----|----|----|----|-----|-----|----|----|----|----|----|-----|----|----|----|----|----|-----|----|----|----|---|--|----|--|
| rc                                 | 80% |    |    |    |    |    | 70% |    |    |    |    |     | 50% |    |    |    |    |    | 30% |    |    |    |    |    | 10% |    |    |    |   |  | 0% |  |
| rw                                 | 70  | 50 | 30 | 10 | 70 | 50 | 30  | 10 | 70 | 50 | 30 | 10  | 70  | 50 | 30 | 10 | 70 | 50 | 30  | 10 | 70 | 50 | 30 | 10 | 70  | 50 | 30 | 10 | 0 |  |    |  |
| RCR                                |     |    |    |    |    |    |     |    |    |    |    |     |     |    |    |    |    |    |     |    |    |    |    |    |     |    |    |    |   |  |    |  |
| 0                                  | 82  | 82 | 82 | 82 | 80 | 80 | 80  | 80 | 77 | 77 | 77 |     | 74  | 74 | 74 |    | 71 | 71 | 71  |    | 69 |    |    |    |     |    |    |    |   |  |    |  |
| 1                                  | 76  | 73 | 71 | 68 | 74 | 72 | 69  | 67 | 69 | 67 | 65 |     | 66  | 65 | 63 |    | 64 | 62 | 61  |    | 60 |    |    |    |     |    |    |    |   |  |    |  |
| 2                                  | 70  | 65 | 60 | 57 | 68 | 63 | 59  | 56 | 61 | 58 | 55 |     | 59  | 56 | 53 |    | 57 | 54 | 52  |    | 51 |    |    |    |     |    |    |    |   |  |    |  |
| 3                                  | 64  | 57 | 52 | 48 | 62 | 56 | 51  | 47 | 54 | 50 | 46 |     | 52  | 49 | 46 |    | 50 | 47 | 45  |    | 43 |    |    |    |     |    |    |    |   |  |    |  |
| 4                                  | 59  | 51 | 45 | 41 | 57 | 50 | 44  | 40 | 48 | 43 | 40 |     | 46  | 42 | 39 |    | 45 | 42 | 39  |    | 37 |    |    |    |     |    |    |    |   |  |    |  |
| 5                                  | 54  | 45 | 39 | 35 | 52 | 45 | 39  | 35 | 43 | 38 | 34 |     | 42  | 37 | 34 |    | 41 | 37 | 34  |    | 32 |    |    |    |     |    |    |    |   |  |    |  |
| 6                                  | 50  | 41 | 35 | 31 | 48 | 40 | 34  | 30 | 39 | 34 | 30 |     | 38  | 33 | 30 |    | 37 | 33 | 30  |    | 28 |    |    |    |     |    |    |    |   |  |    |  |
| 7                                  | 46  | 37 | 31 | 27 | 45 | 36 | 31  | 27 | 35 | 30 | 27 |     | 34  | 30 | 26 |    | 33 | 29 | 26  |    | 25 |    |    |    |     |    |    |    |   |  |    |  |
| 8                                  | 43  | 34 | 28 | 24 | 42 | 33 | 28  | 24 | 32 | 27 | 24 |     | 31  | 27 | 24 |    | 31 | 27 | 23  |    | 22 |    |    |    |     |    |    |    |   |  |    |  |
| 9                                  | 40  | 31 | 25 | 21 | 39 | 30 | 25  | 21 | 30 | 25 | 21 |     | 29  | 24 | 21 |    | 28 | 24 | 21  |    | 20 |    |    |    |     |    |    |    |   |  |    |  |
| 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  | 1850   | 19.9  | 28.8     |
| 0-40  | 3102   | 33.4  | 48.3     |
| 0-60  | 5569   | 59.9  | 86.6     |
| 0-90  | 6428   | 69.1  | 100.0    |
| 0-180 | 6428   | 69.1  | 100.0    |

## Typical VCP Percentages

| Room Size (Ft.) | Height Along |       | Height Across |       |
|-----------------|--------------|-------|---------------|-------|
|                 | 8.5'         | 10.0' | 8.5'          | 10.0' |
| 20 x 20         | 69           | 68    | 65            | 64    |
| 30 x 30         | 74           | 71    | 70            | 67    |
| 30 x 60         | 76           | 73    | 73            | 71    |
| 60 x 30         | 79           | 76    | 76            | 72    |
| 60 x 60         | 80           | 76    | 77            | 74    |

## ORDERING INFORMATION

SAMPLE NUMBER: 2EP3GAX-332S361-UNV-EB81-U

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                        |
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| <b>Domestic Preferences<sup>(11)</sup></b><br><b>[Blank]</b> =Standard<br><b>BAA</b> =Buy American Act<br><br><b>Rating</b><br><b>Blank</b> =Standard<br><b>ATW-SW4</b> =Chicago Rated<br><br><b>HR</b> =Heat Removal <sup>(11)</sup><br><br><b>Width</b><br><b>2=2'</b> Width<br><br><b>EP</b> =Paralux Louver<br><br><b>3=3"</b> Louver Depth<br><br><b>Trim Type</b><br><b>G</b> =Grid/Lay-in (Standard)<br><b>G</b> =Concealed T/Slot Grid <sup>(7)</sup><br><b>F</b> =Aluminum Flange Trim <sup>(8)</sup><br><b>MZ</b> =Modular Trim<br><br><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) | <b>Number of Lamps</b><br><b>3=3 Lamps<sup>(3)</sup></b><br><br><b>Wattage (Length)</b><br><b>28T8=28W T8 (48")</b><br><b>32=32W T8 (48")</b><br><br><b>Louver Color</b><br><b>S</b> =Silver<br><b>W</b> =White<br><br><b>Cell Configuration</b><br><b>36=3 Rows of 6, 18 Cell</b><br><b>38=3 Rows of 8, 24 Cell</b><br><br><b>Louver Finish</b><br><b>I</b> =Semi-Specular/Haze (Low Iridescent) Standard (Silver Only)<br><b>P</b> =Painted (White only)<br><br><b>Option - Aluminum Flange Trim<sup>(8)</sup></b><br><b>Blank</b> =SW (Single White)<br><b>Type</b> <b>Color</b><br><b>'S'</b> Single      'N' Natural<br><b>'R'</b> In Row      'W' White<br><b>'E'</b> End of Row | <b>Voltage<sup>(4)</sup></b><br><b>120V=120 Volt</b><br><b>277V=277 Volt</b><br><b>347V=347 Volt</b><br><b>UNV</b> =Universal Voltage 120-277 <sup>(5)</sup><br><br><b>Options</b><br><b>GL</b> =Single Element Fuse<br><b>GM</b> =Double Element Fuse<br><b>WTR</b> =White Reveal<br><b>Flex</b> =Flex Installed (Reference Flex ordering information)<br><b>EL</b> =Emergency Installed <sup>(6),(10)</sup> | <b>Ballast Type</b><br><b>EB8</b> =T8 Electronic Start.<br>Total Harmonic Distortion < 10%<br>No. of Ballast<br>1, 2 or 3<br><b>EB8 /PLUS</b> =T8 Electronic Start.<br>Total Harmonic Distortion < 10%<br>High Ballast Factor >1.15<br>No. of Ballast<br>1, 2 or 3<br><b>ER8</b> =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><b>HB8</b> =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 - .88<br><b>HB8_L</b> =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Low Ballast Factor .77 - .82<br><b>HB8_N</b> =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Normal Ballast Factor 1.0<br><b>HB8_H</b> =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 - 1.20<br><b>HR8</b> =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 - .88<br><b>HR8_DIM</b> =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming. Ballast Factor .88<br><b>HR8_L</b> =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Low Ballast Factor .71 - .79<br><b>HR8_H</b> =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 - 1.20 | <b>Options</b><br><b>PAF</b> =Painted After Fabrication<br><br><b>REP</b> =Riveted Endplates<br><br><b>Packaging</b><br><b>U</b> =Unit Pack<br><b>PAL</b> =Job Pack, out of carton<br><b>PALC</b> =Job Pack, in carton |
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**NOTES:** <sup>(11)</sup> Integral end plate grid lock feature not available in heat removal. <sup>(12)</sup> An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. <sup>(13)</sup> Standard off-center ballast on 3-lamp fixtures. <sup>(14)</sup> Products also available in non-US voltages and frequencies for international markets. <sup>(15)</sup> Not available when specifying emergencies, voltage must be specific. <sup>(16)</sup> Fixtures equipped with "EL" option have 5-1/2" housing depth. <sup>(17)</sup> Louver is recessed by 5/16" in Concealed T or Slot Grid T. <sup>(18)</sup> Specify row configuration, type in catalog number when ordering complete fixture. <sup>(19)</sup> Please specify required voltage, 120V or 277V. <sup>(20)</sup> Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to **DOMESTIC PREFERENCES** website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. <sup>(21)</sup> Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

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

ACCESSORIES<sup>(12)</sup>EQ-CLIP-U=T-BAR Safety Earthquake Clips<sup>(2)</sup>

## SHIPPING DATA

| Catalog No.       | Wt.     |
|-------------------|---------|
| 2EP3GAX-328T8S361 | 42 lbs. |
| 2EP3GAX-332S361   | 42 lbs. |
| 2EP3GAX-328T8S381 | 42 lbs. |
| 2EP3GAX-332S381   | 42 lbs. |