

## DESCRIPTION

The Paralux III Series features recessed aesthetics and the latest in energy efficient technology. The luminaire incorporates a true 3" deep precision cell louver into a 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

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. Ballast/wireway cover is easily removed. 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. Housing features enable fixture to be converted from Grid to T-option or vice versa in the field.\*

### Electrical\*\*

Ballast are CBM/ETL Class "P" and 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

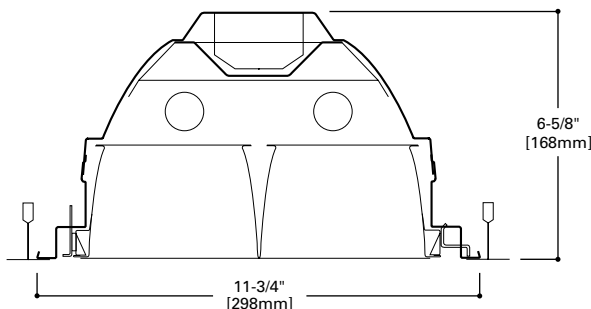
Positive cam action spring loaded, self locking, black steel latches. Safety lock T-hinges allow hinging and latching either side.

### 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. 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.



**EP3GAX**  
**228T8**  
**232**

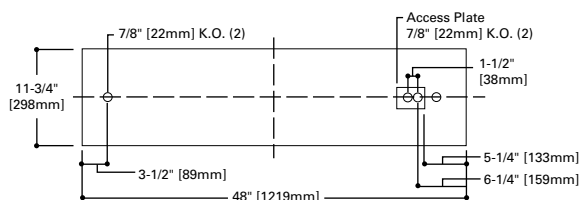
**12 Cell**

**1' X 4' PARABOLIC  
2 T8 LAMPS  
SEMI-SPECULAR OR  
SPECULAR LOUVER**

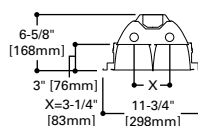
Paralux III  
Recessed Static or Air  
Supply Troffer



## MOUNTING DATA



## LAMP CONFIGURATIONS



## CEILING COMPATIBILITY

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

## ENERGY DATA

Input Watts:  
**EB Ballast & STD Lamps**  
228T8 (48), 232 (55)

Luminaire Efficacy Rating  
**LER = FP-52**

**Catalog Number:** EP3GAX-232  
**Yearly Cost of 1000 lumens,**  
**3000 hrs at .08 KWH = \$4.62**

\*Convertibility applies to housing only. Appropriate shielding media assemblies must be utilized.

\*\*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**

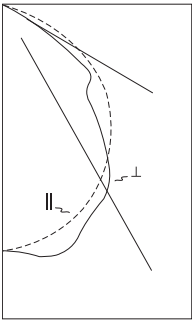
**LINEAR DISCONNECT**

Safe and convenient means of disconnecting power.



ADF020547  
November 29, 2021 3:46 PM

PHOTOMETRICS



**EP3GAX-232S26I**  
Energy Saving Ballast

F32T8/35K lamps  
2800 lumens.

Spacing criterion:  
(H) 1.2 x mounting height, (L) 1.2 x mounting height.

Efficiency = 59.6%.

Test Report:  
EP3GAX232S26I.IES

LER = FP-52

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = 4.62

**Coefficients of Utilization**

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

**Zonal Lumen Summary**

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30  | 1253   | 22.4  | 37.6     |
| 0-40  | 2002   | 35.8  | 60.0     |
| 0-60  | 3154   | 56.3  | 94.6     |
| 0-90  | 3335   | 59.6  | 100.0    |
| 0-180 | 3335   | 59.6  | 100.0    |

**Typical VCP Percentages**

| Room Size (Ft.) | Height Along |       | Height Across |       |
|-----------------|--------------|-------|---------------|-------|
|                 | 8.5'         | 10.0' | 8.5'          | 10.0' |
| 20 x 20         | 74           | 67    | 86            | 80    |
| 30 x 30         | 81           | 75    | 89            | 84    |
| 30 x 60         | 84           | 79    | 91            | 86    |
| 60 x 30         | 84           | 79    | 91            | 87    |
| 60 x 60         | 86           | 82    | 92            | 89    |

**Candela**

| Angle | Along H | 45°  | Across ⊥ |
|-------|---------|------|----------|
| 0     | 1581    | 1581 | 1581     |
| 5     | 1563    | 1586 | 1600     |
| 10    | 1532    | 1602 | 1648     |
| 15    | 1489    | 1595 | 1631     |
| 20    | 1434    | 1545 | 1526     |
| 25    | 1364    | 1436 | 1444     |
| 30    | 1280    | 1316 | 1363     |
| 35    | 1184    | 1205 | 1157     |
| 40    | 1079    | 1073 | 895      |
| 45    | 964     | 860  | 758      |
| 50    | 837     | 649  | 727      |
| 55    | 692     | 504  | 467      |
| 60    | 515     | 324  | 149      |
| 65    | 300     | 121  | 55       |
| 70    | 108     | 39   | 28       |
| 75    | 31      | 18   | 15       |
| 80    | 11      | 8    | 7        |
| 85    | 3       | 2    | 2        |
| 90    | 0       | 0    | 0        |

ORDERING INFORMATION

SAMPLE NUMBER: EP3GAX-232S26I-UNV-EB81-U

|  |  |   |   |  |
|--|--|---|---|--|
| <p><b>Domestic Preferences</b> <sup>(9)</sup><br/>[Blank]=Standard<br/>BAA=Buy American Act</p> <p><b>Rating</b><br/>Blank=Standard<br/>ATW-SW4=Chicago Rated</p> <p><b>Heat Removal</b> <sup>(11)</sup><br/>HR=Heat Removal<br/>HRDO=Heat Removal Damper Open<br/>HRDC=Heat Removal Damper Closed</p> <p><b>Series</b><br/>EP3=Paralux III</p> <p><b>Trim Type</b> <sup>(2)</sup><br/>G=Grid/Lay-in - Standard<br/>T=Concealed T/Slot Grid <sup>(3)</sup><br/>F=Aluminum Flange Trim <sup>(6)</sup><br/>MZ=Modular Trim</p> <p><b>Air Supply</b><br/>AX=Air Supply Floating Louver<br/>X=Blank Side/Floating Louver Non-Air Supply<br/>AVX=Air Supply Floating Louver with Directional Air Vane</p> | <p><b>Number of Lamps</b><br/>2=2 Lamps</p> <p><b>Wattage</b><br/>28T8=28W T8 (48")<br/>32=32W T8 (48")</p> <p><b>Louver Color</b><br/>S=Silver<br/>W=White</p> <p><b>Cell Configuration</b><br/>26=2 Rows of 6, 12 Cell (1'x4')</p> <p><b>Louver Finish</b><br/>I=Semi-Specular/Haze (Low Iridescent) Standard<br/>P=Painted</p> <p><b>Option - Aluminum Flange Trim</b> <sup>(6)</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</p> | <p><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>(8)</sup></p> <p><b>Lamps Installed</b><br/>Blank=No Lamps Installed<br/>L8935=T8 Lamp, 28W and 32W, 3500K <sup>(7)</sup><br/>L8941=T8 Lamp, 28W and 32W, 4100K <sup>(7)</sup><br/>L8835HL=T8 Lamp, 32W, 3500K, 3100 Lumens<br/>L8841HL=T8 Lamp, 32W, 4100K, 3100 Lumens</p> <p><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>(9)</sup></p> | <p><b>Ballast Type</b><br/>EB8 =T8 Electronic Start.<br/>Total Harmonic Distortion &lt; 10%</p> <p>No. of Ballast<br/>1, 2 or 3</p> <p>EB8 /PLUS= T8 Electronic Start.<br/>Total Harmonic Distortion &lt; 10%<br/>High Ballast Factor &gt;1.15</p> <p>No. of Ballast<br/>1, 2 or 3</p> <p>ER8 =T8 Electronic Program Rapid Start.<br/>Total Harmonic Distortion &lt; 10%</p> <p>No. of Ballast<br/>1, 2 or 3</p> <p><b>High Performance T8 Ballasts</b><br/>HB8 =T8 Electronic Instant Start. Total Harmonic Distortion &lt; 10%. Standard Ballast Factor .86 - .88<br/>HB8_L=T8 Electronic Instant Start. Total Harmonic Distortion &lt; 10%. Low Ballast Factor .77 - .82<br/>HB8_N=T8 Electronic Instant Start. Total Harmonic Distortion &lt; 10%. Normal Ballast Factor 1.0<br/>HB8_H=T8 Electronic Instant Start. Total Harmonic Distortion &lt; 10%. High Ballast Factor 1.15 - 1.20<br/>HB8_T8 Electronic Program Rapid Start. Total Harmonic Distortion &lt; 10%. Standard Ballast Factor .86 - .88<br/>HB8_DIM=T8 Electronic Program Rapid Start. Total Harmonic Distortion &lt; 10%. Step Dimming. Ballast Factor .88<br/>HB8_L=T8 Electronic Program Rapid Start. Total Harmonic Distortion &lt; 10%. Low Ballast Factor .71 - .79<br/>HB8_H=T8 Electronic Program Rapid Start. Total Harmonic Distortion &lt; 10%. High Ballast Factor 1.15 - 1.20</p> | <p><b>Options</b><br/>PAF=Painted After Fabrication<br/>REP=Riveted Endplates</p> <p><b>Packaging</b><br/>U=Unit Pack<br/>PAL=Job Pack, out of carton<br/>PALC=Job Pack, in carton</p> |
|--|--|---|---|--|

NOTES: <sup>(1)</sup> Integral end plate grid lock feature not available in heat removal. <sup>(2)</sup> Convertibility applies to housing only, appropriate shielding media assemblies must be utilized. Fixture also adaptable with flanged or modular trims. <sup>(3)</sup> An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. <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> Specify row configuration, type in catalog number when ordering complete fixture. <sup>(7)</sup> 32W lamps are 90 CRI only. <sup>(8)</sup> Please specify required voltage, 120V or 277V. <sup>(9)</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>(10)</sup> Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

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

ACCESSORIES <sup>(10)</sup>

EQ-CLIP-U=T-BAR Safety Earthquake Clips <sup>(8)</sup>

SHIPPING DATA

| Catalog No.      | Wt.     |
|------------------|---------|
| EP3GAX-232S26I   | 29 lbs. |
| EP3GAX-228T8S26I | 29 lbs. |