

## 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

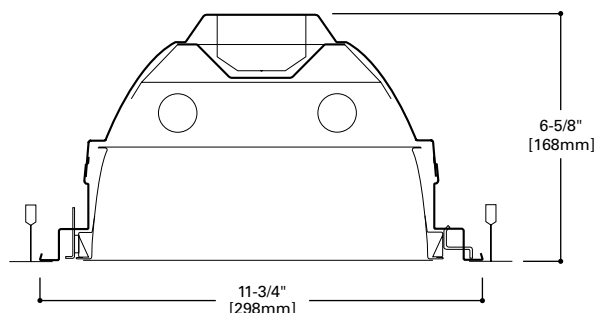
Positive cam action spring loaded, self locking, black steel latches. Safety lock T-hinges allow hinging and latching either side.

### Louver

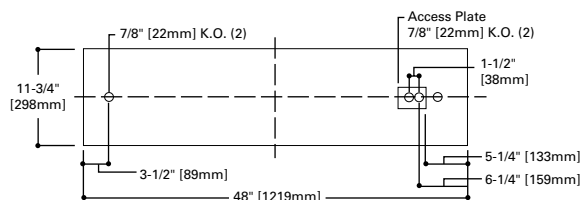
Die formed of low iridescent, vertical grain anodized aluminum. Finish is Anodic oxide coating. Accurate precision parabolic cells are held in place with interlocking feature. True-cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected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

### Compliance

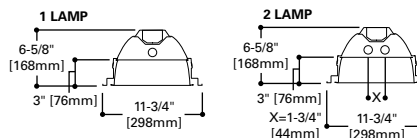
Options to meet Buy American Act requirements.



## MOUNTING DATA



## LAMP CONFIGURATIONS



## CEILING COMPATIBILITY

G	T	T	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 or T
					Slot Grid	G or T
					Flange	F
					Concealed "T" or "Z"	MZ
					Metal Pan	MZ
					(Verify compatibility/ consult factory.)	

Catalog #	Type
Project	
Comments	Date
Prepared by	



## EP3GAX

128T8

132

228T8

232

8 Cell

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

Paralux III  
Recessed Static or Air  
Supply Troffer



## ENERGY DATA

Input Watts:

EB Ballast & STD Lamps

128T8 (27), 132 (30),

228T8 (48), 232 (55)

Luminaire Efficacy Rating

LER = FP-56

Catalog Number: EP3GAX-132

Yearly Cost of 1000 lumens,

3000 hrs at .08 KWH = \$4.29

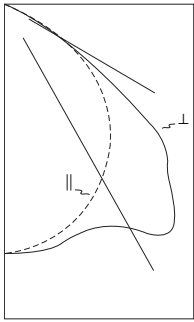
\*Convertibility applies to housing only.  
Appropriate shielding media assemblies  
must be utilized.

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

## LINEAR DISCONNECT

Designed to provide safe and convenient  
means of disconnecting power

## PHOTOMETRICS


**EP3GAX-232S181**  
**Electronic Ballast**
**F32T8/35K Lamps**  
**2800 Lumens**
**Spacing criterion:**  
 (II) 1.2 x mounting  
 height, (⊥) 1.6 x  
 mounting height  
**Efficiency 65.5%**
**Test Report:**  
**EP3GX232S181.IES**
**LER = FP-56**
**Yearly Cost of 1000**  
**lumens, 3000 hrs at**  
**.08 KWH = \$4.29**

## Coefficients of Utilization

Effective floor cavity reflectance										20%											
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	0
RCR																					
0	78	78	78	78	76	76	76	76	73	73	73	70	70	70	67	67	67	66	66	66	66
1	73	71	69	67	71	69	67	66	67	65	64	64	63	62	62	61	60	60	59	59	59
2	68	64	60	58	67	63	60	57	61	58	56	59	56	54	57	55	53	52	52	52	52
3	63	58	53	50	62	57	53	50	55	51	49	53	50	48	52	49	47	46	46	46	46
4	58	52	47	43	57	51	47	43	49	46	42	48	45	42	47	44	41	40	40	40	40
5	54	46	41	37	52	46	41	37	44	40	37	43	39	36	42	39	36	35	35	35	35
6	50	42	36	33	48	41	36	32	40	36	32	39	35	32	38	34	32	30	30	30	30
7	46	37	32	28	44	37	32	28	36	31	28	35	31	28	34	30	28	26	26	26	26
8	42	33	28	24	41	33	28	24	32	27	24	31	27	24	30	27	24	23	23	23	23
9	38	30	24	21	37	29	24	21	29	24	21	28	24	21	27	23	21	19	19	19	19
10	35	27	22	18	35	27	22	18	26	21	18	25	21	18	25	21	18	17	17	17	17

## Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1144	20.4	31.2
0-40	1958	35.0	53.3
0-60	3454	61.7	94.1
0-90	3671	65.5	100.0
0-180	3671	65.5	100.0

## Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	75	69	73	67
30 x 30	81	75	80	74
30 x 60	84	79	83	77
60 x 30	84	80	83	78
60 x 60	87	83	85	81

## Candela

Angle	Along II	45°	Across ⊥
0	1460	1460	1460
5	1444	1455	1459
10	1409	1437	1456
15	1363	1402	1434
20	1305	1352	1414
25	1238	1295	1436
30	1161	1257	1525
35	1071	1239	1644
40	967	1249	1563
45	849	1220	1372
50	715	1052	1188
55	550	790	637
60	345	440	324
65	162	162	172
70	54	59	60
75	22	25	27
80	9	11	13
85	3	3	4
90	0	0	0

## ORDERING INFORMATION

SAMPLE NUMBER: EP3GAX-232S181-UNV-EB81-U

<b>Domestic Preferences <sup>(9)</sup></b> <b>[Blank]</b> =Standard <b>BAA</b> =Buy American Act  <b>Rating</b> <b>Blank</b> =Standard <b>ATW-SW4</b> =Chicago Rated  <b>Heat Removal <sup>(11)</sup></b> <b>HR</b> =Heat Removal <b>HRDO</b> =Heat Removal Damper Open <b>HRDC</b> =Heat Removal Damper Closed  <b>Series</b> <b>EP3</b> =Paralux III  <b>Trim Type <sup>(2)</sup></b> <b>G</b> =Grid/Lay-in - Standard <b>T</b> =Concealed T/Slot Grid <sup>(3)</sup> <b>F</b> =Aluminum Flange Trim <sup>(6)</sup> <b>MZ</b> =Modular Trim  <b>Air Supply</b> <b>AX</b> =Air Supply Floating Louver <b>X</b> =Blank Side/Floating Louver Non-Air Supply <b>AVX</b> =Air Supply Floating Louver with Directional Air Vane	<b>Number of Lamps</b> <b>1</b> =1 Lamp <b>2</b> =2 Lamps  <b>Wattage</b> <b>28T8</b> =28WT8 (48") <b>32</b> =32WT8 (48")  <b>Louver Color</b> <b>S</b> =Silver <b>W</b> =White  <b>Cell Configuration</b> <b>18</b> =1 Row of 8, 8 Cell (1'x4')  <b>Louver Finish</b> <b>I</b> =Semi-Specular/Haze (Low Iridescent) Standard <b>P</b> =Painted  <b>Option - Aluminum Flange Trim <sup>(6)</sup></b> <b>Blank</b> =SW (Single White) <b>Type</b> <b>Color</b> 'S' Single      'N' Natural 'R' In Row      'W' White 'E' End of Row	<b>Options</b> <b>GL</b> =Single Element Fuse <b>GM</b> =Double Element Fuse <b>WTR</b> =White Reveal <b>Flex</b> =Flex Installed (Reference Flex ordering information) <b>EL</b> =Emergency Installed <sup>(8)</sup>  <b>Voltage <sup>(4)</sup></b> <b>120V</b> =120 Volt <b>277V</b> =277 Volt <b>347V</b> =347 Volt <b>UNV</b> =Universal Voltage 120-277 <sup>(5)</sup>	<b>Ballast Type</b> <b>EB8</b> =T8 Electronic Start. Total Harmonic Distortion < 10% No. of Ballast 1, 2 or 3 <b>EB8 /PLUS</b> =T8 Electronic Start. Total Harmonic Distortion < 10% High Ballast Factor >1.15 No. of Ballast 1, 2 or 3 <b>ER8</b> =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% No. of Ballast 1, 2 or 3  <b>High Performance T8 Ballasts</b> <b>HB8</b> =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 - .88 <b>HB8_L</b> =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Low Ballast Factor .77 - .82 <b>HB8_N</b> =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Normal Ballast Factor 1.0 <b>HB8_H</b> =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 - 1.20 <b>HR8</b> =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 - .88 <b>HR8_DIM</b> =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming. Ballast Factor .88 <b>HR8_L</b> =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Low Ballast Factor .71 - .79 <b>HR8_H</b> =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 - 1.20	<b>Options</b> <b>PAF</b> =Painted After Fabrication <b>REP</b> =Riveted Endplates  <b>Packaging</b> <b>U</b> =Unit Pack <b>PAL</b> =Job Pack, out of carton <b>PALC</b> =Job Pack, in carton
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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>(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.

<sup>(10)</sup>  
**ACCESSORIES**
**EQ-CLIP-U**=T-BAR Safety Earthquake Clips <sup>(10)</sup>

## SHIPPING DATA

Catalog No.	Wt.
EP3GAX-128T8S181	29 lbs.
EP3GAX-132S181	29 lbs.
EP3GAX-228T8S181	29 lbs.
EP3GAX-232S181	29 lbs.