

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.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

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.

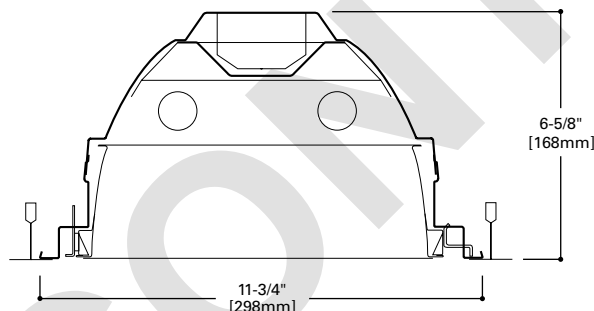


EP3GAX
128T8
132
228T8
232

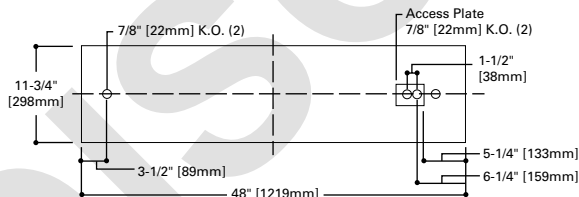
8 Cell

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

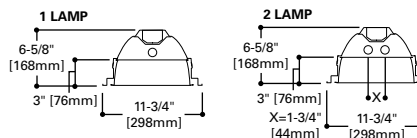
Paralux III
Recessed Static or Air
Supply Troffer



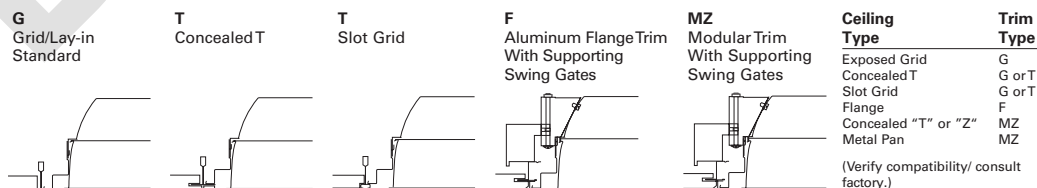
MOUNTING DATA



LAMP CONFIGURATIONS



CEILING COMPATIBILITY



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

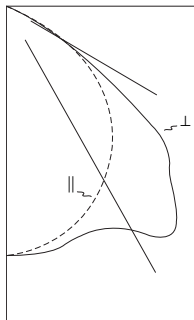
*Convertibility applies to housing only.
Appropriate shielding media assemblies
must be utilized.

**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

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

<p>Domestic Preferences ⁽⁹⁾ [Blank]=Standard BAA=Buy American Act</p>	<p>Number of Lamps 1=1 Lamp 2=2 Lamps</p>	<p>Options GL=Single Element Fuse GM=Double Element Fuse WTR=White Reveal Flex=Flex Installed (Reference Flex ordering information) EL=Emergency Installed⁽⁶⁾</p>	<p>Ballast Type EB8 =T8 Electronic Start. Total Harmonic Distortion < 10% No. of Ballast 1, 2 or 3 EB8_/PLUS=T8 Electronic Start. Total Harmonic Distortion < 10% High Ballast Factor >1.15 No. of Ballast 1, 2 or 3 ER8 =T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10% No. of Ballast 1, 2 or 3</p>	<p>Options PAF=Painted After Fabrication REP=Riveted Endplates</p>
<p>Rating Blank=Standard ATW-SW4=Chicago Rated</p>	<p>Wattage 28T8=28WT8 (48") 32=32WT8 (48")</p>	<p>Volume ⁽⁴⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277⁽⁵⁾</p>	<p>High Performance T8 Ballasts HB8 =T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 - .88 HB8_L=T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Low Ballast Factor .77 - .82 HB8_N=T8 Electronic Instant Start. Total Harmonic Distortion < 10%. Normal Ballast Factor 1.0 HB8_H=T8 Electronic Instant Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 - 1.20 HR8_T8=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Standard Ballast Factor .86 - .88 HR8_DIM=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Step Dimming. Ballast Factor .88 HR8_L=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. Low Ballast Factor .71 - .79 HR8_H=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%. High Ballast Factor 1.15 - 1.20</p>	<p>Packaging U=Unit Pack PAL=Job Pack, out of carton PALC=Job Pack, in carton</p>
<p>Heat Removal ⁽¹⁾ HR=Heat Removal HRDO=Heat Removal Damper Open HRDC=Heat Removal Damper Closed</p>	<p>Louver Color S=Silver W=White</p>			
<p>Series EP3=Paralux III</p>	<p>Cell Configuration 18=1 Row of 8, 8 Cell (1'x4')</p>			
<p>Trim Type ⁽²⁾ G=Grid/Lay-in - Standard T=Concealed T/Slot Grid⁽³⁾ F=Aluminum Flange Trim⁽⁶⁾ MZ=Modular Trim</p>	<p>Louver Finish I=Semi-Specular/Haze (Low Iridescent) Standard P=Painted</p>			
<p>Air Supply AX=Air Supply Floating Louver X=Blank Side/Floating Louver Non-Air Supply AVX=Air Supply Floating Louver with Directional Air Vane</p>	<p>Option - Aluminum Flange Trim ⁽⁶⁾ Blank=SW (Single White) Type Color 'S' Single 'N' Natural 'R' In Row 'W' White 'E' End of Row</p>			

NOTES: ⁽¹⁾ Integral end plate grid lock feature not available in heat removal. ⁽²⁾ Convertibility applies to housing only, appropriate shielding media assemblies must be utilized. Fixture also adaptable with flanged or modular trims. ⁽³⁾ An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. ⁽⁴⁾ Products also available in non-US voltages and frequencies for international markets. ⁽⁵⁾ Not available when specifying emergencies, voltage must be specific. ⁽⁶⁾ Specify row configuration, type in catalog number when ordering complete fixture. ⁽⁷⁾ Please specify required voltage, 120V or 277V. ⁽⁸⁾ 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. ⁽⁹⁾ 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

EQ-CLIP-U=T-BAR Safety Earthquake Clips⁽¹⁰⁾

SHIPPING DATA

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