# SPECIFICATION FEATURES

# **METALUX**®

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 nominal 5-1/2" 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.

### **APPLICATION**

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.

### A...Construction

Nominal 5-1/2" 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. Housing features enable fixture to be converted from Grid to T-option or vice versa in the field.\*

### B...Electrical\*\*

Ballasts are CBM/ETL Class "P" and are positively secured by mounting bolts. Pressure lock lampholders. UL listed. Add "CAN" prefix to catalog number for CSA certification.

### C...Finish

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

### D...Hinging/Latching

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

### E...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. Truecut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected from construction contaminants by polyethylene cover.



**2EP3GAX**440 432

24 Cell

2' X 4' PARABOLIC 4 LAMP SEMI-SPECULAR OR SPECULAR LOUVER

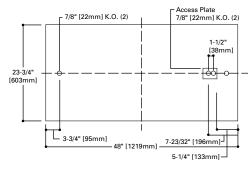
Paralux III Recessed Static or Air Supply Troffer

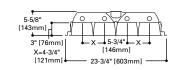


# A B C E D 5-5/8" [143mm]

### MOUNTING DATA

### LAMP CONFIGURATIONS





## CEILING COMPATIBILITY

**COOPER LIGHTING** 

<b>G</b> Grid/Lay-in	T Concealed T	T Slot Grid	F Flange Trim	MZ Modular Trim	Ceiling Type	Trim Type
Standard			With Supporting	With Supporting	Exposed Grid	G
			Swing Gates	Swing Gates	Concealed T	G or T
	_			- II	Slot Grid Flange	G or T
/	/			<b> </b>   /	Concealed Spline	MZ
ī <del>/</del>	- f	7	W W	·   [##	Metal Pan	MZ
			4		(Verify compatibili Pre Sales Technica	
	Optional "TK" Trim Kit					

### **ENERGY DATA**

Input Watts: EB Ballast & STD Lamps 440 (144) 432 (122)

ES Ballast & STD Lamps 440 (172) 432 (142)

Luminaire Efficacy Rating
LER = FP-58
Catalog Number: 2EP3GAX-432

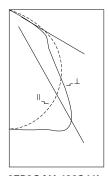
Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$4.14

\*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.



### **PHOTOMETRICS**



2EP3GAX-432S46I **Electronic Ballast** F32T8/35K Lamps 2800 Lumens

Spacing criterion: (II) 1.2 x mounting height, (⊥) 1.4 x mounting height

Efficiency 64.7% Test Report

#220P123 LER = FP-58

Yearly Cost of 1000 lumens, 3000 hrs at .08 KWH = \$4.14

### Coefficients of Utilization

	Effe	ctive	flo	or cav	ity ref	lecta	nce		20	)%								
rc		809	%			70	)%			50%	•		30%	ó		10%		0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	77	77	77	77	75	75	75	75	72	72	72	69	69	69	66	66	66	65
1	72	70	68	66	71	69	67	65	66	64	63	64	62	61	61	60	59	58
2	68	64	60	57	66	62	59	57	60	58	56	58	56	54	56	55	53	52
3	63	58	53	50	61	57	53	50	55	52	49	53	50	48	52	49	47	46
4	58	52	47	44	57	51	47	44	50	46	43	48	45	42	47	44	42	41
5	54	47	42	38	53	46	41	38	45	41	38	44	40	37	42	39	37	36
6	50	42	37	34	49	42	37	34	41	36	33	40	36	33	39	35	33	32
7	46	38	33	30	45	38	33	29	37	32	29	36	32	29	35	32	29	28
8	42	34	29	26	41	34	29	26	33	29	26	32	28	25	32	28	25	24
9	39	31	26	22	38	30	26	22	30	25	22	29	25	22	28	25	22	21
10	36	28	23	20	35	28	23	20	27	23	20	27	23	20	26	22	20	19

### Zonal Lumen Summary

Lumens	%Lamp	%Fixture
2608	23.3	36.0
4290	38.3	59.2
6818	60.9	94.1
7242	64.7	100.0
7242	64.7	100.0
	2608 4290 6818 7242	2608     23.3       4290     38.3       6818     60.9       7242     64.7

### Typical VCP Percentages

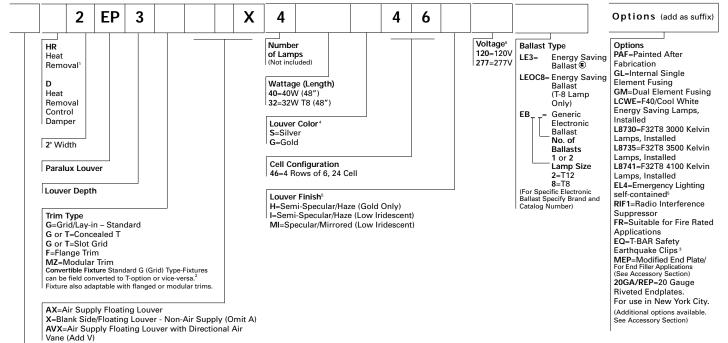
	Heigh	t Along	Height		
Room Size (Ft.)	8.5′	10.0'	8.5'	10.0'	
20 x 20	75	69	85	78	
30 x 30	82	76	89	83	
30 x 60	85	80	90	86	
60 x 30	84	80	90	86	
60 x 60	87	83	91	88	

### Candela

Angle	Along II	45°	Across ⊥
0	3140	3140	3140
5	3114	3140	3168
10	3054	3134	3215
15	2970	3118	3271
20	2859	3090	3380
25	2725	3062	3503
30	2570	3050	3325
35	2391	2923	2684
40	2192	2558	1968
45	1964	1948	1547
50	1706	1403	1344
55	1418	1061	1212
60	1069	729	569
65	615	334	160
70	183	91	68
75	58	40	33
80	24	18	14
85	8	6	5
90	0	0	0

### ORDERING INFORMATION

SAMPLE NUMBER: 2EP3GAX-432S46I



NOTE See option/accessories sections for additional detailed product data. Specifications and Dimensions subject to change without notice.

# SHIPPING INFORMATION

Catalog No.	Wt.
2EP3GAX-432S46I	42 lbs.



CAN=Add "CAN" prefix for CSA certification.

<sup>1</sup> Integral End Plate Grid Lock Feature not available in Heat Removal.

<sup>&</sup>lt;sup>2</sup> Convertibility applies to housing only, appropriate shielding media assemblies must be utilized.

<sup>&</sup>lt;sup>3</sup>EQ Grid Clip is recommended for all 9/16" ceiling systems.

<sup>&</sup>lt;sup>4</sup> White Parabolic Louver available.

<sup>&</sup>lt;sup>5</sup> Consult Pre Sales Technical Support.