

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. 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. KO's for continuous row wiring. End plates have 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 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

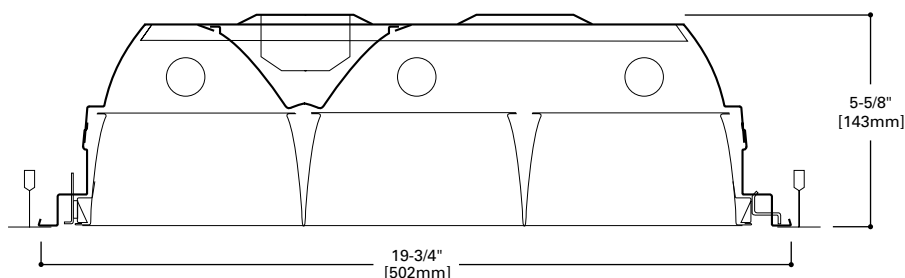
Positive cam action spring loaded, self locking, black steel latches. Safety lock T-hinges allow hinging and latching either side.

Louver

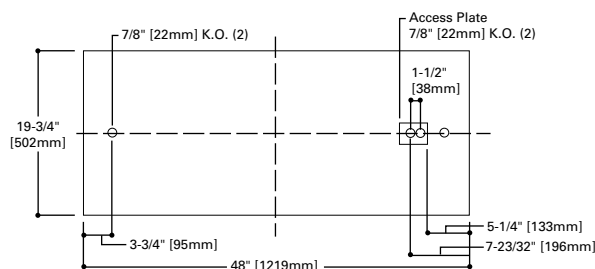
Die formed of low iridescent, vertical grain anodized aluminum. Finish is Anodic Oxide coating. Accurate precision parabolic cells are held in place with interlocking feature. True-cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected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

Compliance

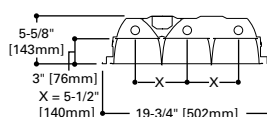
Options to meet Buy American Act requirements.



MOUNTING DATA



LAMP CONFIGURATIONS



CEILING COMPATIBILITY

G	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	



EP3GAX2048
328T8
332

18 Cell

20" X 48" 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-58

Catalog Number:
EP3GAX2048-2U1-5/8

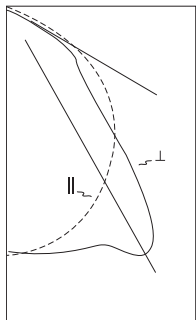
Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$4.14

*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.

LINEAR DISCONNECT
Designed to provide safe and convenient means of disconnecting power

PHOTOMETRICS


EP3GAX2048-332S361
 Electronic Ballast

 F32T8/35K Lamps
 2800 Lumens

 Spacing criterion:
 (II) 1.2 x mounting
 height, (L) 1.5 x
 mounting height

Efficiency 66.6%

 Test Report:
 EP3GX2048332S361.IES

LER = FP-58

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

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	0			
RCR																					
0	79	79	79	79	78	78	78	78	74	74	74	71	71	71	68	68	68	67			
1	75	72	70	68	73	71	69	67	68	66	65	65	64	63	63	62	61	60			
2	70	65	62	59	68	64	61	58	62	59	57	60	58	56	58	56	55	53			
3	65	59	55	52	63	58	54	51	56	53	50	55	52	49	53	51	49	47			
4	60	53	49	45	59	53	48	45	51	47	44	50	46	44	48	45	43	42			
5	55	48	43	39	54	47	43	39	46	42	39	45	41	38	44	40	38	37			
6	51	43	38	35	50	43	38	34	42	37	34	41	37	34	40	36	34	32			
7	47	39	34	30	46	39	34	30	38	33	30	37	33	30	36	32	30	28			
8	44	35	30	26	43	35	30	26	34	29	26	33	29	26	32	29	26	25			
9	40	32	26	23	39	31	26	23	30	26	23	30	26	23	29	25	22	21			
10	37	29	24	20	36	28	23	20	28	23	20	27	23	20	26	23	20	19			

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1952	23.2	34.9
0-40	3297	39.2	58.9
0-60	5263	62.7	94.0
0-90	5598	66.6	100.0
0-180	5598	66.6	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	85	80
30 x 30	82	76	89	84
30 x 60	85	80	90	87
60 x 30	84	80	90	87
60 x 60	86	84	91	89

Candela

Angle	Along II	45°	Across ⊥
0	2378	2378	2378
5	2351	2375	2401
10	2302	2361	2426
15	2240	2340	2454
20	2158	2310	2474
25	2058	2262	2607
30	1939	2232	2742
35	1803	2261	2380
40	1649	2141	1717
45	1476	1707	1216
50	1281	1167	938
55	1058	800	801
60	791	530	455
65	468	259	125
70	182	72	52
75	47	31	26
80	16	13	12
85	5	4	4
90	0	0	0

ORDERING INFORMATION

SAMPLE NUMBER: EP3GAX2048-332S361-UNV-EB81-U

Domestic Preferences⁽¹⁰⁾ [Blank]=Standard BAA=Buy American Act Rating Blank=Standard ATW-SW4=Chicago Rated Heat Removal⁽¹¹⁾ HR=Heat Removal HRDO=Heat Removal Damper Open HRDC=Heat Removal Damper Closed Series EP3=Paralux III Trim Type⁽⁴⁾ G=Grid/Lay-in - Standard T=Concealed T/Slot Grid ⁽²⁾ F=Aluminum Flange Trim ⁽⁶⁾ MZ=Modular Trim Air Supply AX=Air Supply Floating Louver X=Blank Side/Floating Louver - Non-Air Supply AVX=Air Supply Floating Louver with Directional Air Vane Width 2048=20" Width x 48" Length	Number of Lamps 3=3 Lamps ⁽⁷⁾ Wattage (Length) 28T8=28WT8 (48") 32=32WT8 (48") Louver Color S=Silver W=White Cell Configuration 36=3 Rows of 6, 18 Cell (20x48) Louver Finish I=Semi-Specular/Haze (Low Iridescent) Standard (Silver Only) P=Painted (White only) Option - Aluminum Flange Trim⁽⁶⁾ Blank=SW (Single White) Type Color 'S' Single 'N' Natural 'R' In Row 'W' White 'E' End of Row	Voltage⁽³⁾ 120V=120 Volt 277V=277 Volt 347V=347 Volt UNV=Universal Voltage 120-277 ⁽⁵⁾ Options GL=Single Element Fuse GM=Double Element Fuse WTR=White Reveal Flex=Flex Installed (Reference Flex ordering information) EL=Emergency Installed ⁽⁹⁾	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 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 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	Options PAF=Painted After Fabrication REP=Riveted Endplates Packaging U=Unit Pack PAL=Job Pack, out of carton PALC=Job Pack, in carton
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ACCESSORIES⁽¹¹⁾
 EQ-CLIP-U=T-BAR Safety Earthquake Clips⁽²⁾

NOTES: ⁽¹⁾ Integral end plate grid lock feature not available in heat removal. ⁽²⁾ An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. ⁽³⁾ Products also available in non-US voltages and frequencies for international markets. ⁽⁴⁾ Convertibility applies to housing only, appropriate shielding media assemblies must be utilized. Fixture also adaptable with flanged or modular trims. ⁽⁵⁾ Not available when specifying emergencies, voltage must be specific. ⁽⁶⁾ Specify row configuration, type in catalog number when ordering complete fixture. ⁽⁷⁾ Standard off-center ballast on 3-lamp fixtures. ⁽⁸⁾ Please specify required voltage, 120V or 277V. ⁽⁹⁾ 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. ⁽¹¹⁾ 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.