

DESCRIPTION

The Standard Parabolic is a value driven luminaire designed and manufactured for value engineered applications. The luminaire features a nominal 3" deep precision cell parabolic louver and a 4-3/4" deep paracontoured housing for glare control and 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.

2EP3-IC is rated for installations when the housing is in direct contact with insulation. The Standard Parabolic is designed to offer maximum value in price sensitive applications. The luminaire is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

SPECIFICATION FEATURES

Construction

4-3/4" 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.

Electrical**

Ballasts are CBM/ETL Class "P" and are positively secured by mounting bolts. Pressure lock lampholders. UL/CUL listed for Type IC Recessed Luminaire (Rated for direct contact with insulation). Suitable for damp locations.

Finish

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

Hinging/Latching

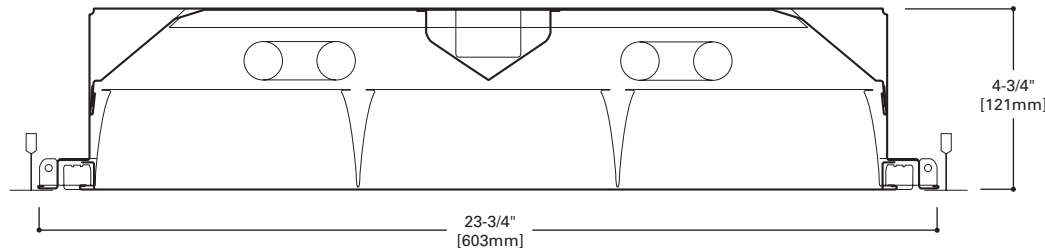
Positive spring loaded, self locking, steel latches. Safety lock T-hinges allow hinging and latching from either side.

Louver

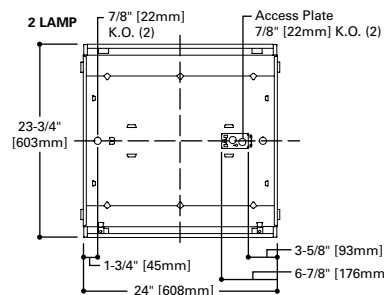
Die formed of low iridescent, vertical grain anodized aluminum. Finish is Anodic oxide coating. Accurate precision parabolic cells are held in place with interlocking feature. True-cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected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

Compliance

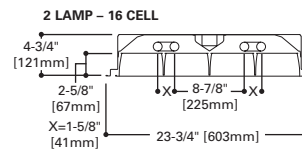
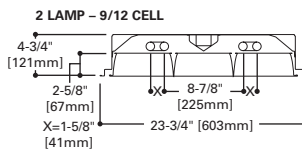
Options to meet Buy American Act requirements.



MOUNTING DATA



LAMP CONFIGURATIONS



CEILING COMPATIBILITY

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

Catalog #		Type
Project		
Comments		Date
Prepared by		



2EP3GX-IC 2U1-5/8

9, 12, 16 Cell

2' X 2' PARABOLIC
2 LAMP T8
SEMI-SPECULAR,
SPECULAR OR WHITE
PAINTED LOUVER

Paralux III
Recessed Static or
Air Supply Troffer

For Use in
Insulated Ceilings



ENERGY DATA

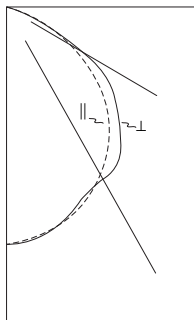
Input Watts:
EB Ballast & STD Lamps
2U1-5/8 (61)

Luminaire Efficacy Rating
LER = FP-55
Catalog Number: 2EP3GX-IC-2U1-5/8S331

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$4.36

**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

**2EP3GX-IC-2U1-****5/8S33I**

Electronic Ballast

FBO31/35K Lamps

2750 Lumens

Spacing criterion:

(II) 1.2 x mounting

height, (L) 1.4 x

mounting height

Efficiency 60.7%

Test Report:

2EP3GXIC2U158S33I.IES

LER = FP-55

Yearly Cost of 1000

lumens, 3000 hrs at

.08 KWH = \$4.36

Candlepower

Angle	Along II	45°	Across ⊥
0	1393	1393	1393
5	1387	1385	1383
10	1358	1358	1357
15	1320	1310	1308
20	1269	1251	1286
25	1206	1193	1327
30	1132	1169	1307
35	1046	1140	1226
40	950	1058	1173
45	841	948	1126
50	718	849	1051
55	577	728	874
60	389	519	506
65	177	238	146
70	58	58	46
75	20	20	23
80	8	8	11
85	2	2	4
90	0	0	0

Coefficients of Utilization

Effective floor cavity reflectance												20%				50%				30%				10%				0%	
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	72	72	72	72	71	71	71	71	67	67	67	65	65	65	62	62	62	61											
1	67	65	63	61	66	64	62	60	61	60	58	59	58	56	57	56	55	54											
2	62	58	54	51	61	57	54	51	55	52	50	53	51	49	51	49	48	46											
3	57	52	47	44	56	51	47	43	49	45	43	47	44	42	46	43	41	40											
4	53	46	41	38	51	45	41	37	44	40	37	42	39	36	41	38	36	35											
5	48	41	36	33	47	41	36	32	39	35	32	38	35	32	37	34	31	30											
6	45	37	32	29	44	37	32	28	36	31	28	35	31	28	34	30	28	27											
7	42	34	29	25	41	33	29	25	32	28	25	32	28	25	31	27	25	24											
8	39	31	26	23	38	30	26	23	30	25	22	29	25	22	28	25	22	21											
9	36	28	24	20	35	28	23	20	27	23	20	27	23	20	26	23	20	19											
10	34	26	21	18	33	26	21	18	25	21	18	25	21	18	24	21	18	17											

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1073	19.2	31.6
0-40	1779	31.8	52.4
0-60	3154	56.3	92.8
0-90	3397	60.7	100.0
0-180	3397	60.7	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	74	67
30 x 30	82	76	81	75
30 x 60	85	81	84	79
60 x 30	85	80	83	78
60 x 60	87	84	86	82

ORDERING INFORMATION

SAMPLE NUMBER: 2EP3GAX-2U1-5/8S33I-UNV-EB81-U

Domestic Preferences ⁽¹⁰⁾ [Blank]=Standard BAA=Buy American Act Rating Blank=Standard ATW-SW4=Chicago Rated HR =Heat Removal ⁽¹¹⁾ Width 2=2' Width EP =Paralux Louver 3=3" Louver Depth Trim Type G=Grid/Lay-in (Standard) G=Concealed T/Slot Grid ⁽⁷⁾ F=Aluminum Flange Trim ⁽⁸⁾ MZ=Modular Trim AX=Air Supply Floating Louver X=Blank Side/Floating Louver - Non-Air Supply (Omit A) AVX=Air Supply Floating Louver with Directional Air Vane (Add V) IC=IC Rated	Number of Lamps 2=2 Lamps 3=3 Lamps ⁽³⁾ Wattage (Length) U1-5/8=31WT8 (24") Louver Color S=Silver W=White Cell Configuration 33=3 Rows of 3, 9 Cell 34=3 Rows of 4, 12 Cell 44=4 Rows of 4, 16 Cell Louver Finish I=Semi-Specular/Haze (Low Iridescent) Standard (Silver Only) P=Painted (White only) Option - Aluminum Flange Trim ⁽⁸⁾ Blank=SW (Single White) Type Color 'S' Single 'N' Natural 'R' In Row 'W' White 'E' End of Row	Voltage ⁽⁴⁾ 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 ^{(6), (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	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⁾**SHIPPING DATA**

Catalog No.	Wt.
2EP3GX-IC-2U1-5/8S33I	28 lbs.
2EP3GX-IC-2U1-5/8S44I	28 lbs.

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⁾ Standard off-center ballast on 3-lamp fixtures. ⁽⁴⁾ Products also available in non-US voltages and frequencies for international markets. ⁽⁵⁾ Not available when specifying emergencies, voltage must be specific. ⁽⁶⁾ Fixtures equipped with "EL" option may require a 5-1/2" housing depth. If installing in field, must use low profile battery pack. ⁽⁷⁾ Louver is recessed by 5/16" in Concealed T or Slot Grid T. ⁽⁸⁾ Specify row configuration, type in catalog number when ordering complete fixture. ⁽⁹⁾ Please specify required voltage, 120V or 277V. ⁽¹⁰⁾ 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.

Sample Number: 2EP3GAX-IC-2UI-5/8S23I-120V-EB81-U

ACCESSORIES

EQ-CLIP-U-T-BAR Safety Earthquake Clips ³

Note: An EQ Grid Clip is recommended for all 9/16" ceiling systems.
Four required per fixture.

- Notes:**
- 1 Integral End Plate Grid Lock feature not available in Heat Removal
 - 2 May also be used with Concealed T or Slot Grid T. Louver will be recessed by 5/16". Housing depth = 5-1/2".
 - 3 An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture.
 - 4 Louver height = 3", Housing depth = 5-1/2".
 - 5 Specify row configuration, type in catalog number when ordering complete fixtures.
 - 6 Standard off-center ballast on 3 lamp fixtures.
 - 7 Products also available in non-US voltage and frequencies for international markets
 - 8 Not available when specifying emergencies, voltage must be specific
 - 9 Fixtures equipped with "EL" option may require a 5-1/2" housing depth. If installing in field, must use low profile battery pack.