

DESCRIPTION

The Paralux III Tannenbaum louver offers designers an exciting new appearance for low brightness recessed applications. The luminaire incorporates a unique European louver design featuring low iridescent specular and Tannenbaum aluminum optical surfaces. This louver integrates into the Paralux III 4-3/4" deep para-contoured housing for optimum performance. The Paralux III series is compatible with all of today's popular ceiling systems and is available with a number of options and accessories to application versatility.

2EP3-IC is rated for installations when the housing is in direct contact with insulation. It is a great visual alternative to traditional recessed luminaires and provides efficient, low glare ambient lighting.

SPECIFICATION FEATURES

Construction

4-3/4" deep, para-contoured housing, die formed 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 integral Grid-Lock feature for safety and convenience.

Electrical**

Ballast are CBM/ETL Class "P" and positively secured. 2G11 base lampholders have double edge wiping action pressure lock contacts with vertically oriented lamp support clips. 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

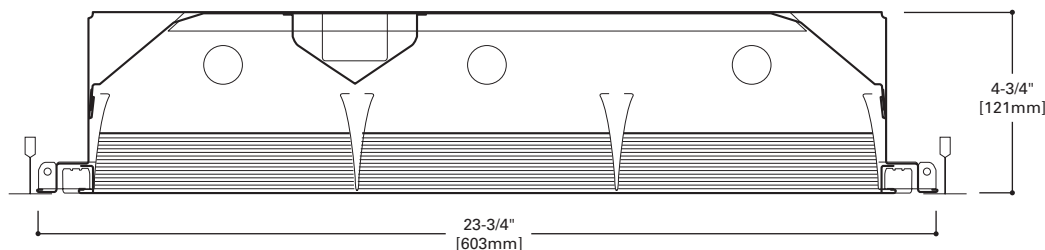
Positive spring loaded, self locking, steel latches. Safety lock T-hinges allow hinging and latching from either side.

Louver

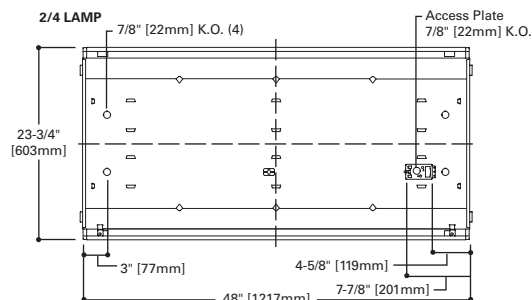
Die formed of low iridescent anodized specular and Tannenbaum aluminum. Finish is anodic oxide coating. Accurate precision contours are held in place with interlocking feature. True cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected from construction contaminants by poly cover.

Compliance

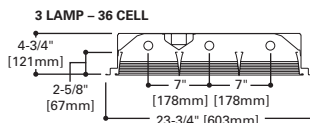
Options to meet Buy American Act requirements.



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		



2EP3GAX-IC

328T8

332

36 Cell

2' X 4' LOUVER

3 T8 LAMPS

TANNENBAUM LOUVER

Paralux III
Recessed Static or
Air Supply Troffer
For Use in
Insulated Ceilings

TANNENBAUM™



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
328T8 (67)
332 (81)

Luminaire Efficacy Rating

LER = FP-61

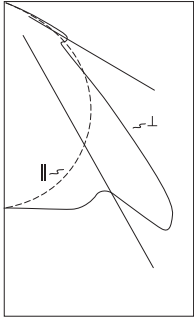
Catalog Number: 2EP3GAX-IC-
332ST312MI

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$3.93

**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



2EP3GAX-IC-332ST312MI

Electronic Ballast

FO32/35K Lamps
2800 Lumens

Spacing criterion:
(II) 1.2 x mounting
height, (⊥) 1.7 x
mounting height
Efficiency 69.0%

Test Report:
2EP3-IC-3325T312MI.IES
LER = FP-61

Yearly Cost of 1000
lumens, 3000 hrs at
.08 KWH = \$3.93

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	0
RCR																			
0	82	82	82	82	80	80	80	80	77	77	77	73	73	73	70	70	70	69	69
1	77	74	72	70	75	73	71	69	70	68	67	67	66	65	65	64	63	62	62
2	72	67	63	60	70	66	63	60	64	61	58	61	59	57	59	58	56	55	55
3	66	60	56	52	65	59	55	52	58	54	51	56	53	50	54	52	49	48	48
4	61	54	49	45	60	54	49	45	52	48	44	50	47	44	49	46	43	42	42
5	56	49	43	39	55	48	43	39	47	42	39	45	41	38	44	41	38	37	37
6	52	44	38	34	51	43	38	34	42	37	34	41	37	34	40	36	33	32	32
7	48	39	34	30	47	39	34	30	38	33	30	37	33	29	36	32	29	28	28
8	44	35	30	26	43	35	29	26	34	29	26	33	29	25	32	28	25	24	24
9	40	31	26	22	39	31	26	22	30	25	22	29	25	22	29	25	22	21	21
10	37	28	23	19	37	28	23	19	27	23	19	27	22	19	26	22	19	18	18

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1812	21.6	31.2
0-40	3155	37.6	54.4
0-60	5329	63.4	91.9
0-90	5799	69.0	100.0
0-180	5799	69.0	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	73	74	79	79
30 x 30	76	76	84	83
30 x 60	77	76	86	84
60 x 30	79	79	87	86
60 x 60	79	79	88	87

Candela

Angle	Along II	45°	Across ⊥
0	2226	2226	2226
5	2203	2221	2244
10	2150	2203	2271
15	2078	2187	2325
20	1988	2171	2370
25	1884	2143	2333
30	1763	2080	2414
35	1624	1972	2981
40	1466	1982	2788
45	1290	2084	1736
50	1088	1686	1042
55	862	1003	767
60	620	553	800
65	377	346	158
70	189	183	18
75	106	75	9
80	51	36	4
85	20	12	1
90	0	0	0

ORDERING INFORMATION

SAMPLE NUMBER: 2EP3GAX-IC-332ST312-UNV-EB81-U

Domestic Preferences ⁽¹¹⁾ [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 ⁽⁶⁾ F =Aluminum Flange Trim ⁽⁷⁾ 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)	Number of Lamps 3=3 Lamps ⁽³⁾ Wattage (Length) 28T8=28W T8 (48") 32=32W T8 (48") Louver Color/Type ST =Silver Tannenbaum Cell Configuration 312=3 Rows of 12, 36 Cell 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), (10)}	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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IC=IC Rated

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. ⁽¹⁰⁾ Please specify required voltage, 120V or 277V. ⁽¹¹⁾ 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. ⁽¹²⁾ 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 ⁽¹²⁾

EQ-CLIP-U=T-BAR Safety Earthquake Clips ⁽²⁾