

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 deep para-contoured housing for optimum performance. The Paralux III series is compatible with all of today's popular ceiling systems. The Paralux III Tannenbaum louver provides efficient, low glare ambient lighting appropriate for most commercial interior environments including retail, hospitals, schools, offices and other spaces.

SPECIFICATION FEATURES

Construction

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. 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. 2G11 base lampholders have double-edge wiping action pressure lock contacts with vertically oriented lamp support clips. 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

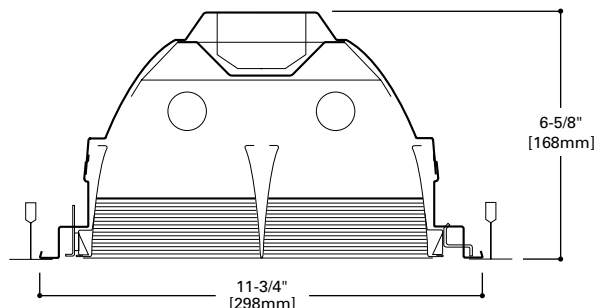
Positive action specular latches. Safety lock T-hinges allow hinging and latching either side.

Louver

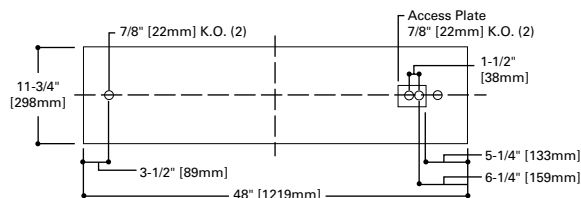
Die formed of low iridescent anodized specular and Tannenbaum aluminum. Finish is anodic oxide coating. Accurate precision contours are held in place with interlocking feature. True-cut mitered corners. Black reveal with integral mechanical light seal around entire perimeter of louver. Louver protected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

Compliance

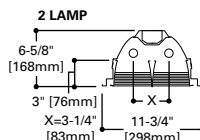
Options to meet Buy American Act requirements.



MOUNTING DATA



LAMP CONFIGURATIONS



CEILING COMPATIBILITY

G	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.)	



EP3GAX
228T8
232

24 Cell

1' X 4' PARABOLIC
2 T8 LAMPS
TANNENBAUM LOUVER

Paralux III
Recessed Static or Air
Supply Troffer

TANNENBAUM™



ENERGY DATA

Input Watts:
EB Ballast & STD Lamps
228T8 (48), 232 (55)

Luminaire Efficacy Rating
LER = FP-51

Catalog Number: EP3GAX-
232ST212MI

Yearly Cost of 1000 lumens,
3000 hrs at .08 KWH = \$4.71

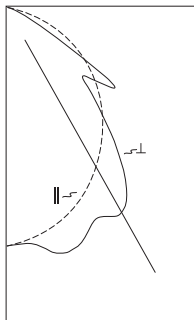
*Convertibility applies to housing only.
Appropriate shielding media assemblies
must be utilized.

**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-232ST212MI
 Electronic Ballast

 F32T8/35K Lamps
 2800 Lumens

 Spacing criterion:
 (II) 1.1 x mounting
 height, (⊥) 1.3 x
 mounting height

Efficiency 59.8%

 Test Report
 #218P120

LER = FP-51

 Yearly Cost of 1000
 lumens, 3000 hrs at
 .08 KWH = \$4.71

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	71	71	71	71	70	70	70	70	66	66	66	64	64	64	61	61	61	60			
1	67	64	62	61	65	63	61	60	61	59	58	58	57	56	56	55	54	53			
2	62	58	55	52	61	57	54	52	55	53	50	53	51	49	51	50	48	47			
3	58	53	49	45	56	52	48	45	50	47	44	48	46	44	47	45	43	42			
4	53	47	43	40	52	47	43	39	45	42	39	44	41	38	43	40	38	37			
5	49	43	38	35	48	42	38	34	41	37	34	40	36	34	39	36	33	32			
6	46	39	34	30	45	38	34	30	37	33	30	36	33	30	35	32	30	28			
7	42	35	30	27	41	34	30	27	34	29	27	33	29	26	32	29	26	25			
8	39	31	27	23	38	31	27	23	30	26	23	30	26	23	29	26	23	22			
9	36	28	24	20	35	28	23	20	27	23	20	27	23	20	26	23	20	19			
10	33	26	21	18	33	25	21	18	25	21	18	24	21	18	24	20	18	17			

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1195	21.3	35.7
0-40	1931	34.5	57.6
0-60	3061	54.7	91.3
0-90	3351	59.8	100.0
0-180	3351	59.8	100.0

Typical VCP Percentages

Room Size (Ft.)	Height Along		Height Across	
	8.5'	10.0'	8.5'	10.0'
20 x 20	60	60	83	74
30 x 30	60	59	82	76
30 x 60	56	54	85	80
60 x 30	66	65	81	77
60 x 60	60	58	83	79

Candela

Angle	Along II	45°	Across ⊥
0	1520	1520	1520
5	1493	1508	1518
10	1445	1489	1584
15	1387	1517	1600
20	1315	1475	1506
25	1231	1371	1474
30	1138	1235	1477
35	1038	1188	1277
40	932	1080	962
45	822	882	728
50	706	644	765
55	585	461	628
60	461	436	95
65	336	225	15
70	226	101	9
75	151	64	5
80	84	33	3
85	33	11	1
90	0	0	0

ORDERING INFORMATION

SAMPLE NUMBER: EP3GAX-232ST212-UNV-EB81-U

Domestic Preferences ⁽⁸⁾ [Blank] =Standard BAA =Buy American Act Rating Blank =Standard ATW-SW4 =Chicago Rated Heat Removal ⁽¹⁾ HR =Heat Removal HRDO =Heat Removal Damper Open HRDC =Heat Removal Damper Closed Series EP3 =Paralux III Trim Type ⁽²⁾ G =Grid/Lay-in – Standard T =Concealed T/Slot Grid ⁽³⁾ 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	Number of Lamps 2 =2 Lamps Wattage 28T8 =28W T8 (48") 32 =32W T8 (48") Louver Color ST =Silver Tannenbaum Cell Configuration 212 =2 Rows of 12, 24 Cell (1'x4') Option – Aluminum Flange Trim ⁽⁶⁾ Blank =SW (Single White) Type Color 'S' Single 'N' Natural 'R' In Row 'W' White 'E' End of Row	Options GL =Single Element Fuse GM =Double Element Fuse WTR =White Reveal Flex =Flex Installed (Reference Flex ordering information) EL =Emergency Installed ⁽⁹⁾ Voltage ⁽⁴⁾ 120V =120 Volt 277V =277 Volt 347V =347 Volt UNV =Universal Voltage 120-277 ⁽⁵⁾	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

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. ⁽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. ⁽¹⁰⁾ 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 ⁽¹⁰⁾
 EQ-CLIP-U= T-BAR Safety Earthquake Clips ⁽³⁾

SHIPPING DATA

Catalog No.	Wt.
EP3GAX-232ST212	29 lbs.