

## DESCRIPTION

The new 4" wide flush narrow basket recessed Fenestra offers interior spaces both comfortable lighting and economy. T5 fluorescent configurations produce efficiencies of close to 80% which means typical rooms may be illuminated with approximately 10% less fixtures when compared to recessed parabolics. This installation cost differential makes the Fenestra flush narrow basket comparable to the cost of 2'x4' recessed parabolic system.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### A ... Construction

20-gauge steel housing. (2'x2' or 2'x4')

### B ... Shielding

Precision formed perforated metal panels backed by a white acrylic diffuser.

### C ... Electrical

120, 277, 347 or Universal Voltage electronic ballast. Fixtures and electrical components certified to UL and CUL standards.

### D ... Finish

Durable, low gloss, white, powder coated acrylic finish.

### Mounting

Recessed. Specify:  
 (ETG) 15/16" Flat Exposed T-grid,  
 (STG) 9/16" Screw Slot T-grid,  
 (SR) Sheet Rock (Flanged),  
 (FTG) 9/16" Flat Exposed T-grid.



## Fenestra

272

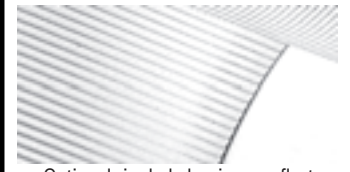
274

1 BX  
 1 & 2T5  
 1 & 2T5HO

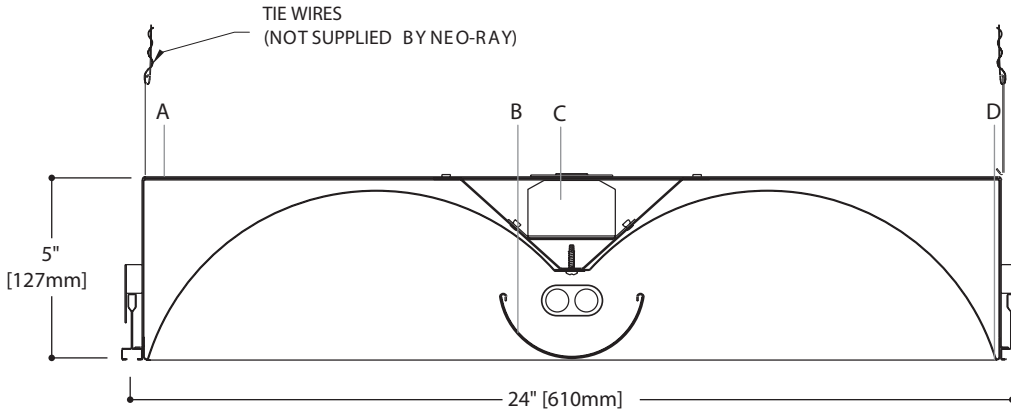
**Recessed**  
 Direct-Indirect

**Light Distribution:**  
 Indirect - 0.0%  
 Direct - 100.0%

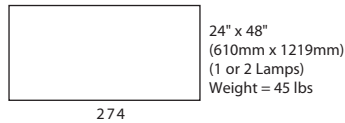
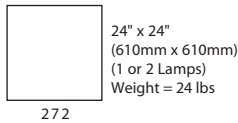
## TANNENBAUM



Optional rippled aluminum reflector.



STANDARD LUMINAIRE PLAN

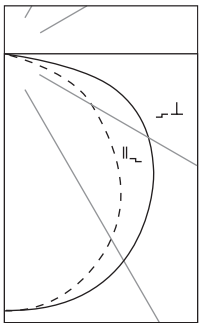


## ORDERING INFORMATION

<b>Series</b> 272: 2' x 2' 274: 2' x 4'	<b>Options <sup>1</sup></b> C= Chicago Plenum A= Air Return T= Tannenbaum Reflector	<b>Mounting</b> R= Recessed	<b>Number of Lamps</b> 1: 1 Lamp (Not included) 2: 2 Lamps (Not included)  <b>Lamp Type</b> T5 T5HO BX40W2 BX50W2	<b>Ceiling Type</b> ETG= 15/16" Exposed T-Grid STG= Slot T-Grid SR= Sheet Rock (Flanged) FTG= 9/16" Exposed T-Grid	<b>Voltage <sup>2</sup></b> 1: 120V 2: 277V 3: 347V	<b>Ballast</b> EB= Electronic Ballast DB= Dimming Ballast  <b>Switching Options</b> SI= Single Switching DU= Double Switching	<b>Emergency</b> EM= Emergency Pack
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Notes: 1 Can be left blank or more than one option may be available, consult factory.  
 2 Fixture available with only one BIAx lamp in cross section.  
 3 Not all options available. Please consult your Cooper Lighting Representative for availability.

PHOTOMETRICS



Coefficients of Utilization

rc	Effective floor cavity reflectance																	
	80%			70%			20%											
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0%
<b>RCR</b>																		
0	97	97	97	97	95	95	95	95	91	91	91	87	87	87	83	83	83	82
1	89	85	82	79	87	83	80	77	80	77	75	77	75	73	74	72	71	69
2	81	74	69	64	79	73	68	63	70	66	62	67	64	61	65	62	59	57
3	74	65	59	54	72	64	58	53	62	56	52	59	55	51	57	54	50	49
4	68	58	51	45	66	57	50	45	55	49	44	53	48	44	51	47	43	41
5	61	51	43	38	60	50	43	38	48	42	37	47	41	37	45	40	36	35
6	56	45	38	33	55	45	38	32	43	37	32	42	36	32	40	35	32	30
7	52	41	33	28	50	40	33	28	39	32	28	37	32	28	36	31	27	26
8	48	36	29	24	46	36	29	24	35	28	24	34	28	24	33	27	24	22
9	44	32	26	21	43	32	25	21	31	25	21	30	25	21	29	24	20	19
10	41	29	23	18	40	29	23	18	28	22	18	27	22	18	27	22	18	17

Candela

Angle	Along II	45°	Across ⊥
0	810	810	810
5	807	808	808
10	795	799	802
15	776	785	795
20	745	764	783
25	709	741	766
30	666	709	744
35	614	673	717
40	561	629	686
45	497	586	652
50	433	536	610
55	364	483	565
60	299	428	518
65	233	367	464
70	172	301	397
75	115	230	304
80	65	131	166
85	20	40	57
90	0	0	0

**272-1BX40**  
 (1) FT40W/2G11/835/RS  
 3150 Lumens

Efficiency 81.6%

Test Report  
 #11898.0

(Consult factory for I.E.S. data  
 not included within this report.)

Zonal Lumen Summary

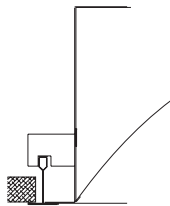
Zone	Lumens	%Lamp	%Fixture
0-30	642	20.4	25.0
0-40	1063	33.7	41.4
0-60	1940	61.6	75.5
0-90	2569	81.6	100.0
90-180	0	0.0	0.0
0-180	2569	81.6	100.00

Total Luminaire Efficiency = 81.6%

Luminance Data

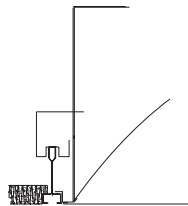
Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	2044	2410	2681
55	1845	2448	2864
65	1603	2525	3192
75	1292	2584	3415
85	667	1334	1902

MOUNTING INFORMATION



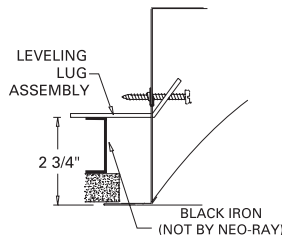
ETG

STANDARD LAY-IN CEILING  
 (GRID LAY-IN)



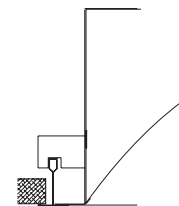
STG

SCREW SLOT CEILING  
 (SLOT-T)



SR

SHEET ROCK CEILING  
 (FLANGE)



FTG

STANDARD LAY-IN CEILING  
 (GRID LAY-IN)