



FBX 22B

2'x2' recessed indirect with electronic ballast



2 Lamp BiAx



2 Et 4 Lamp T8



2 Et 4 Lamp T5 Et T5HO

Features

Construction

One piece housing of die-formed 20 Ga. C.R.S. forming 5.5" deep housing. Lamps are shielded by detachable perforated shields formed of 22 Ga. C.R.S. with white acrylic lens insert. Shields are secured by spring latches that allow lamp shield to be securely fastened during relamping.

Weight: 20lbs

Optic

CNC roll formed 20 Ga. C.R.S. reflector, finished in matte satin white powder coat (94% min. reflectance), easily removed for ballast maintenance.

Electrical

Luminaires are pre-wired for specified circuits, with thermally protected Class "P" electronic ballasts.

BiAx: Electronic instant start 270mA, <20% THD or optional electronic program start 270mA, <10% THD

T8 Lamps: Electronic instant start 265mA, <20% THD or optional electronic program start 265mA, <10% THD

T5 Lamps: Electronic program start 170mA, <10% THD

T5HO Lamps: Electronic program start 300mA, <10% THD

Optional DALI and other dimming ballasts available. Consult factory for specifications and availability. UL and cUL listed.

Emergency

Emergency battery packs provide 90 minutes of illumination. Initial lumen output for lamp types are as follows:

BiAx Lamps: Up to 700 lumens
T8 Lamps: Up to 550 lumens
T5 Lamps: Up to 500 lumens
T5HO Lamps: Up to 825 lumens

Battery pack requires unswitched hot from same branch circuit as AC ballast.

Finish

Luminaire housing, reflector and all steel components are finished in polyester powder coat applied over a 5-stage pretreatment. Standard finish for housing and all steel components: matte satin white (min. 94% reflectance).

- Proven, versatile design aesthetic that is a smart alternative to suspended linear systems.
- One piece luminaire housing provides easy installation.
- Perforated lamp shields swing down for easy relamping. Access to ballast through lamp compartment.

Sept. 2003



Fixture Type: _____

Project Name: _____



TWO LAMP BIAx SKYLITE

Luminaire: 2x2 two lamp biax recessed indirect troffer with white reflector and narrow perforated lamp shield.
 Filename: FBX222PS.BX
 Catalog #: FBX-22-B-2-BX40-E-120-G-PS-WH
 Efficiency: 66%
 Independent testing laboratory report no. 11018.0

SKYLITE 2x2

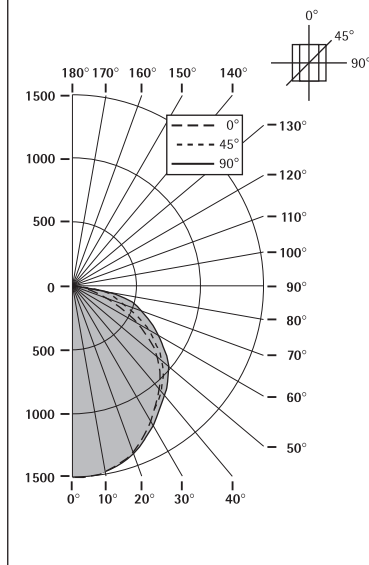


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Order Information

Luminaire Series	FBX
SkyLite	FBX
Nominal Size	22
2' x 2'	22
Distribution	B
Bi-Directional	B
Lamp Quantity	
Two Lamps	2
Four Lamps	4
<i>(T8, T5 & T5HO only)</i>	
Lamp Type	
40 Watt Biax	BX40
50 Watt Biax	BX50
55 Watt Biax	BX55
T8	T8
T5	T5
T5HO	T5HO
Ballast	
Electronic Instant Start <20% THD	E
Electronic Program Start <10% THD	S
Electronic Dimming Ballast	D
<i>(consult factory for dimming availability)</i>	
Voltage	
120 Volt	120
277 Volt	277
*347 Volt	347
<i>*(Consult factory for availability)</i>	
Mounting	
Grid	G
Slot tee	ST
Shielding	PS
Perforated Shield	PS
Factory Options	
Air Return	AR
Dust Cover	DC
Drywall Frame Kit	DF
Emergency Battery Pack	EM
Earthquake Clip	EQ
HLR/GLR Fuse	FU
Flex Whip	FW
Include 3000K Lamp	L830
Include 3500K Lamp	L835
Include 4100K Lamp	L841
Separate Circuit	SC
Finish	WH
Matte Satin White	WH

Candlepower Distribution



Vertical angle	0°	22.5°	45°	67.5°	90°	Zonal lumens
0°	1518	1518	1518	1518	1518	
5°	1512	1510	1507	1504	1498	144
15°	1441	1440	1442	1438	1438	408
25°	1306	1304	1304	1314	1319	606
35°	1121	1119	1132	1153	1176	715
45°	894	900	932	981	1005	729
55°	641	653	729	801	831	655
65°	390	427	534	632	665	526
75°	192	222	325	433	473	347
85°	25	29	43	60	60	48
90°	0	0	0	0	0	
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	

Lumen Summary

Zone	Lumens	% Lamp	% Fixt
0°-30°	1158	18.4	27.7
0°-40°	1873	29.7	44.8
0°-60°	3256	51.7	78.0
0°-90°	4177	66.3	100.0
Total			
Luminaire: 0°-180°	3918	66	100.0

Luminance Data cd/M²

Vertical Angle	0	45	90
45	3676	3832	4133
55	3249	3695	4213
65	2683	3674	4575
75	2157	3651	5314
85	834	1435	2003

Spacing Criterion: 1.2 II
1.2 I

Co-Efficients of Utilization

	20																				
	80			70			50			30			10			00					
Floor																					
Ceiling																					
Wall	70	50	30	10	70	50	10	50	10	50	10	50	10	50	10	50	10	50	10		
RCR	0	79	79	79	79	77	77	77	74	74	71	71	68	68	66	66	66	66	66	66	
1	73	70	67	65	71	68	64	65	62	63	60	61	58	57	57	57	57	57	57	57	57
2	66	61	57	53	65	60	53	58	51	55	50	53	49	48	48	48	48	48	48	48	48
3	61	54	49	45	59	53	44	51	44	49	43	48	42	41	41	41	41	41	41	41	41
4	56	48	42	38	54	47	38	46	37	44	37	43	36	35	35	35	35	35	35	35	35
5	51	42	37	32	49	42	32	40	32	39	31	38	31	30	30	30	30	30	30	30	30
6	47	38	32	28	46	37	28	36	28	35	27	34	27	26	26	26	26	26	26	26	26
7	43	34	28	24	42	34	24	33	24	32	24	31	24	22	22	22	22	22	22	22	22
8	40	31	25	21	39	30	21	29	21	28	21	28	21	19	19	19	19	19	19	19	19
9	37	28	22	18	36	27	18	26	18	26	18	25	18	17	17	17	17	17	17	17	17
10	34	25	20	16	33	25	16	24	16	23	16	23	16	15	15	15	15	15	15	15	15

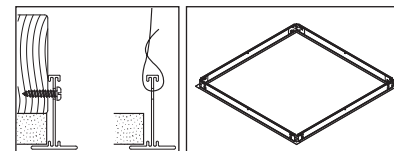
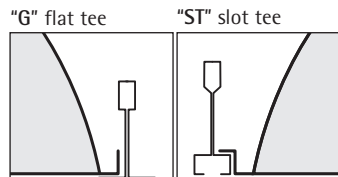
Numbers indicate percentage values of reflectivity.

Installation Details

*Mounting: Specify "G" for Flat 9/16" and 15/16" tee or "ST" for 9/16" slot tee grid types.

**Drywall Frame Kit: Specify "DF" Drywall Frame Kit for drywall ceiling conditions. Use tie-wire or screws to secure frame kit.

Cut out dimensions: Min. 24.125" / Max. 24.563"



Consult www.focalpointlights.com for additional photometric reports and technical information

Sept. 2003 Focal Point LLC reserves the right to change specifications for product improvement without notification.