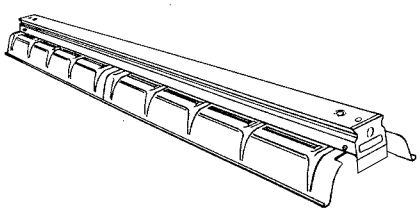
Day-Brite CFI by Signify

Industrial

1FD general purpose

T8 or T12 Slimeline



Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI general purpose industrial is a luminaire providing 10% uplight and 13° crosswise shielding.

Ordering guide

Example: 1FD259-PP-UNV-1/2-EB

Family	No. of Lamps per Cross Section	Lamp Type	Reflector Options	Voltage	Options
1FD	2	–	–	–	
1FD Industrial (10% uplight)	(not included) **2**	**48** 38W T12 Slimline (48") **59** 59W T8 Slimline (96") **96** 75W T12 Slimline (96")	**PP** Painted Polyester **PPS** Painted Polyester solid top	**UNV** Universal voltage 120/277V **120** 120V **277** 277V **347** 347V	**1/2** One 2-lamp ballast **EB** Electronic ballast, <10% THD **E7** B60 emerg. ballast, 600-700 lumens, 120/277V **E5** B50 emerg. ballast, U.S. or Canada market, 1100-1400 lumens, UNV **E5CAN** B50-CAN emerg. ballast, Canada market, 1100-1400 lumens, 120/347V **E5ST** B50ST emerg. ballast w/self test, 1100-1400 lumens, UNV **GLR** Fusing, fast blow Power Connect modular wiring available, see sheet 1604-OA for details

Accessories (order separately)

- **CS-400** Rigid Canopy
- **CS-500** 42" Top Swivel Canopy
- **CS-12** 12" Stem
- **CS-18** 18" Stem
- **CS-24** 24" Stem
- **CS-30** 30" Stem
- **CS-36** 36" Stem
- **CS-48** 48" Stem
- **FL-111** Sliding hanger, conduit/stem/screw
- **FL-117** Hook, chain (requires FL-111)
- **FL-119** Hook, messenger cable (requires FL-111)
- **FL-123** 5' chain (w/S-hooks) set
- **FL-173** 4' wire guard (use 2 for 8')
- **FL-3** Channel coupling
- **N-3381** Universal joint aligner, octagonal box, 3/4" I.P.S.

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Construction/Finish

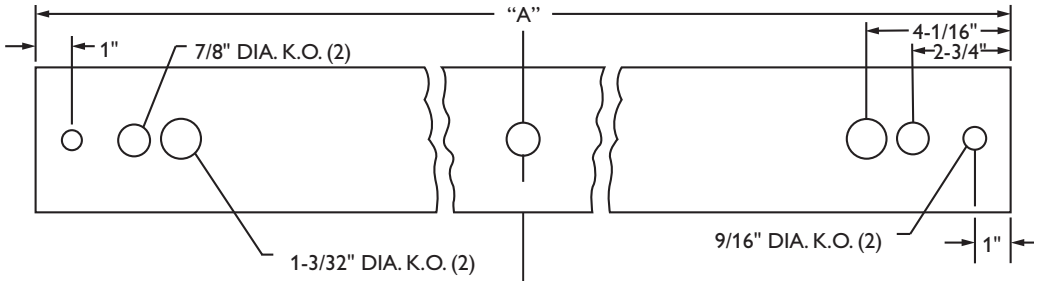
- Housing and reflector are multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Multiple knockouts for convenient installation.
- Heavy duty channel of code gauge die formed steel,
- Reflectors have stiffening ribs for rigidity and provide 13° crosswise shielding.
- Twist-lock reflector thumb screws.
- Continuous rows utilize a simple concealed coupling, FL-3 (optional).
- Apertured reflector (11-13% uplight) standard.
- Solid top reflector (no uplight) optional.

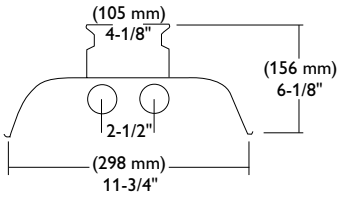
Electrical

- cULus listed for direct mounting on low density ceilings and damp locations.
- Spring-loaded lampholders provide positive lamp engagement and electrical contact.

Dimensions

		DIM "A"
4' Channel	(1220mm)	48"
8' Channel	(2439mm)	96"





1FD General purpose industrial

T8 or T12 Slimline

Photometry

1FD 8' 2 Lamp F96T8 **Efficiency – 93.6%** **LER – 85** **TER – 51**

Catalog No.	1FD259-PP-1/2-EB
Test No.	ITL42342D1
S/MH	1.4
Lamp Type	F96T8
Lumens/Lamp	5800
Ballast Factor	0.85
Input Watts	109

Comparative yearly lighting energy cost per 1000 lumens – **$2.82** based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Candlepower

Angle	End	45	Cross
0	3006	3006	3006
5	3001	2991	3039
15	2910	2936	2985
25	2716	2770	2829
35	2442	2535	2634
45	2079	2238	2477
55	1659	1968	1908
65	1165	1336	1315
75	626	820	586
85	155	137	124
95	17	35	38
105	124	49	116
115	262	30	38
125	400	46	34
135	524	167	53
145	626	313	196
155	707	441	370
165	769	723	575
175	796	783	795

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	2394	20.6	22.1
0-40	3986	34.4	36.7
0-60	7404	63.8	68.2
0-90	9660	83.3	89.0
0-180	10858	93.6	100.0

Average Luminance

Angle	End	45°	Cross
45	3786	4076	4511
55	3725	4419	4284
65	3550	4071	4007
75	3115	4080	2916
85	2290	2024	1832

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	109	109	109	105	105	105	97	97
1	98	94	91	95	91	88	85	82
2	90	81	75	85	79	72	73	68
3	81	71	64	78	68	61	65	58
4	73	63	55	70	60	53	56	51
5	68	56	47	65	54	46	51	44
6	63	50	41	59	48	40	46	39
7	57	45	36	56	44	35	41	34
8	54	40	33	52	40	33	38	30
9	50	38	29	47	36	28	34	28
10	46	34	27	45	34	27	32	26

Hg

Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

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