

# Day-Brite

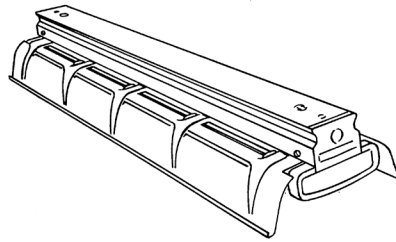
## CFI

by Signify

### Industrial

1F specification

T8



Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

Day-Brite / CFI 1F specification industrial is a heavy duty turret industrial fluorescent luminaire providing 10% uplight and 13° crosswise sheilding.

#### Ordering guide

Example: 1F232-PP-UNV-1/2-EBLHE

Family	No. of Lamps per Cross Section	Lamp Type	Reflector Options	Voltage	Options	
					32	—
1F Spec. Industrial (10% uplight)	(not included)	32 32W T8 (48")	PP Painted Polyester	UNV Universal voltage 120/277V	1/2	One 2-lamp ballast
T1F Tandem Unit	2		PPS Painted Polyester solid top	120 120V	1/3	One 3-lamp ballast
	3			277 277V	1/21	2-lamp & 1-lamp ballasts
	4			347 347V	1/4	One 4-lamp ballast
					2/2	Two 2-lamp ballasts
					1/42	4-lamp & 2-lamp ballasts
					2/4	Two 4-lamp ballasts
					EB	Electronic ballast, <10% THD
					EB10R	Electronic ballast, program rapid start, <10% THD
					EBHE	Electronic ballast, high efficiency, std. ballast factor
					EBLHE	Electronic ballast, high efficiency, low ballast factor
					EBHHE	Electronic ballast, high efficiency, high ballast factor
					E1	B100 emerg. ballast, 350-450 lumens, 120/277V
					E1CAN	B100-CAN emerg. ballast, Canada market, 350-450 lumens, 120/347V
					E7	B60 emerg. ballast, 600-700 lumens, 120/277V
					E5	B50 emerg. ballast, U.S. or Canada market, 1100-1400 lumens, UNV
					ESCAN	B50-CAN emerg. ballast, Canada market, 1100-1400 lumens, 120/347V
					ES5T	B50ST emerg. ballast w/self test, 1100-1400 lumens, UNV
					GLR	Fusing, fast blow
					LT20	-20°F start option (use in conjunction with ballast option)

#### 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
- FL-5 Reflector end cap (pair)
- N-3381 Universal joint aligner, octagonal box, 3/4" I.P.S.

Power Connect modular wiring available, see sheet 1604-OA for details



# 1F Specification industrial

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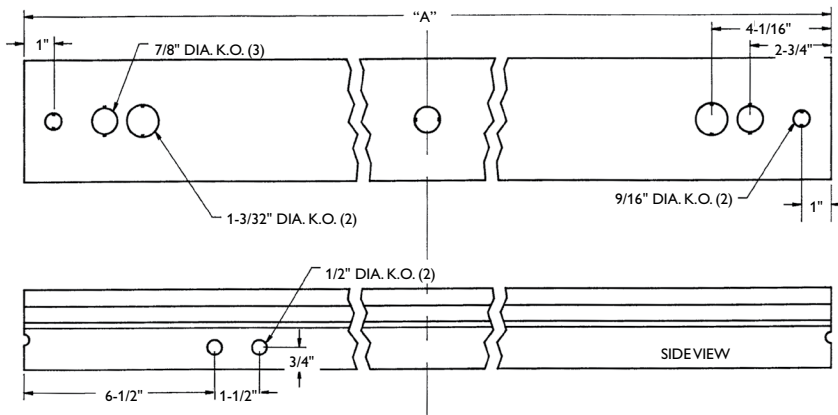
## Construction/Finish

- Reflectors provide 10% uplight. Solid tops are available.
- 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).

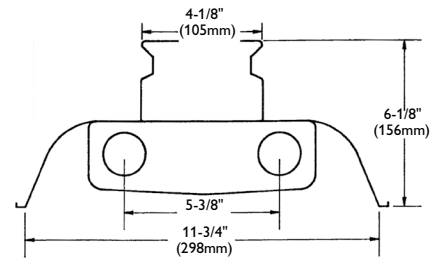
## Electrical

- cULus listed for direct mounting on low density ceilings and damp locations.
- Self-contained fluorescent emergency power packs can be incorporated.
- Spring-loaded lampholders provide positive lamp engagement and electrical contact.

## Dimensions



DIM "A"		
4' Channel	(1274mm)	50-5/32"
8' Channel	(2548mm)	100-5/16"



## Photometry

### 1F 4' 2 Lamp F32T8

Efficiency – 91.7%

LER – 80

TER – 48

Catalog No.	1F232-PP-1/2-EB	Candpower				Light Distribution				Average Luminance								
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross					
Test No.	42334	0	1452	1452	1452	0-30	1159	20.0	21.8	45	3509	3786	4200					
S/MH	1.3	5	1452	1453	1447	0-40	1930	33.3	36.3	55	3423	4115	3821					
Lamp Type	F32T8	15	1407	1426	1429	0-60	3567	61.5	67.0	65	3256	3672	3778					
Lumens/Lamp	2900	25	1312	1345	1360	0-90	4654	80.2	87.5	75	2912	3879	2567					
Ballast Factor	0.92	35	1178	1230	1264	90-180	666	11.5	12.5	85	2190	2304	1849					
Input Watts	61	45	1001	1080	1198	0-180	5321	91.7	100.0									
		55	792	952	884	Coefficients of Utilization												
		65	555	626	644	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)												
		75	304	405	268	pcc	80						70					
		85	77	81	65	pw	70			50			30			50		
		95	8	21	20	RCR												
		105	59	23	69	0	106	106	106	103	103	103	95	95				
		115	127	17	21	1	96	92	88	93	89	85	82	80				
		125	197	43	18	2	88	80	73	83	77	71	71	67				
		135	265	112	57	3	80	69	61	76	68	60	63	56				
		145	322	188	136	4	72	61	53	69	59	52	56	50				
		155	369	252	220	5	67	55	46	64	53	45	50	42				
		165	399	389	318	6	60	48	40	58	47	40	45	38				
						7	56	44	35	55	42	35	40	34				
						8	53	40	33	51	39	32	36	30				
						9	48	36	28	46	35	28	34	28				
						10	46	34	27	44	33	26	30	25				

Comparative yearly lighting energy cost per 1000 lumens – \$3.00 based on 3000 hrs. and 5.08 pwr KWH.

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

# 1F Specification industrial

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## 1F 4' 3 Lamp F32T8

Efficiency – 89.4%

LER – 81

TER – 50

<b>Catalog No.</b> 1F332-PP-1/3-EB <b>Test No.</b> 42335 <b>S/MH</b> 1.3 <b>Lamp Type</b> F32T8 <b>Lumens/Lamp</b> 2900 <b>Ballast Factor</b> 0.93 <b>Input Watts</b> 89  Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.96</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>				<b>Average Luminance</b>						
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Lamp</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45'</b>	<b>Cross</b>			
0	2242	2242	2242	0-30	1787	20.5	23.0	45	5332	5788	6226				
5	2242	2242	2235	0-40	2970	34.1	38.2	55	5147	6012	5869				
15	2165	2198	2207	0-60	5437	62.5	69.9	65	4804	5625	5690				
25	2012	2074	2108	0-90	6931	79.7	89.1	75	4119	4425	2519				
35	1798	1898	1945	90-180	850	9.8	10.9	85	2475	2475	2048				
45	1521	1651	1776	0-180	7781	89.4	100.0								
55	1191	1391	1358	<b>Coefficients of Utilization</b>											
65	819	959	970	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>											
75	430	462	263	pcc	80			70			50				
85	87	87	72	pw	70	50	30	70	50	30	50	30			
95	10	27	23	RCR											
105	68	84	77	0	104	104	104	101	101	101	93	93			
115	141	65	151	1	94	91	86	92	88	83	81	80			
125	218	57	60	2	85	79	72	82	76	70	71	67			
135	289	133	73	3	78	68	61	75	67	59	63	56			
145	350	215	158	4	71	60	53	68	58	52	56	50			
155	398	283	250	5	66	54	46	63	53	45	50	42			
165	429	419	353	6	60	48	40	57	46	40	45	38			
175	442	439	437	7	56	44	35	54	42	34	40	34			
				8	52	40	32	50	39	32	36	30			
				9	48	36	28	46	35	28	34	28			
				10	45	34	27	44	33	26	30	25			

## 1F 4' 2 Lamp F32T8

Efficiency – 86.3%

LER – 73

TER – 50

<b>Catalog No.</b> 1F232-P2-1/2-EB <b>Test No.</b> 20269 <b>S/MH</b> 1.4 <b>Lamp Type</b> F32T8 <b>Lumens/Lamp</b> 2900 <b>Ballast Factor</b> 0.88 <b>Input Watts</b> 59  Comparative yearly lighting energy cost per 1000 lumens – <b>\$3.29</b> 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.	<b>Candlepower</b>				<b>Light Distribution</b>				<b>Average Luminance</b>						
	<b>Angle</b>	<b>End</b>	<b>45</b>	<b>Cross</b>	<b>Degrees</b>	<b>Lumens</b>	<b>% Lamp</b>	<b>% Luminaire</b>	<b>Angle</b>	<b>End</b>	<b>45'</b>	<b>Cross</b>			
0	1170	1170	1170	0-30	934	16.4	19.0	45	2835	3169	3450				
5	1167	1169	1165	0-40	1564	27.4	31.8	55	2789	3382	3209				
15	1129	1141	1146	0-60	2914	51.1	59.2	65	2704	3109	3503				
25	1055	1086	1106	0-90	3958	69.4	80.4	75	2515	3119	3541				
35	947	1003	1054	90-180	963	16.9	19.6	85	2309	3420	5045				
45	807	902	982	<b>Coefficients of Utilization</b>											
55	644	781	741	<b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b>											
65	460	529	596	pcc	80			70			50				
75	262	325	369	pw	70	50	30	70	50	30	50	30			
85	81	120	177	RCR											
95	10	82	140	0	98	98	98	94	94	94	86	86			
105	62	82	153	1	89	84	81	84	81	78	73	71			
115	139	66	108	2	81	72	67	77	69	65	64	59			
125	220	88	95	3	72	64	56	69	60	55	56	51			
135	296	149	117	4	67	56	48	63	54	46	50	44			
145	368	224	184	5	60	50	41	57	47	40	44	38			
155	426	279	259	6	56	45	36	53	42	35	40	34			
165	466	399	330	7	52	40	33	48	39	32	35	29			
175	487	481	473	8	47	36	28	46	34	28	33	27			
				9	45	33	26	42	32	26	29	23			
				10	41	30	23	40	29	23	28	22			



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](http://www.lamprecycle.org)

