

Industrial Fluorescent

1F

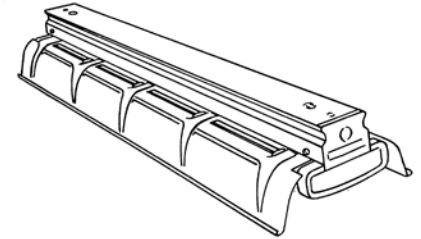
1, 2, 3, or 4 Lamp T8
10% Uplight

construction/finish

- Reflectors provide 10% uplight. Solid tops are optional.
- 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

- UL listed for direct mounting on low density ceilings and damp locations. C.S.A. certified optional.
- Class P, HPF ballasts comply with ⓔ Federal Ballast Law (Public Law 100-357,1988).
- Spring-loaded lampholders provide positive lamp engagement and electrical contact.



Specifier's Reference

Project

Type

Model No.

Comments

Green Choice: 1F232-PP-UNV-1/2-EBLHE

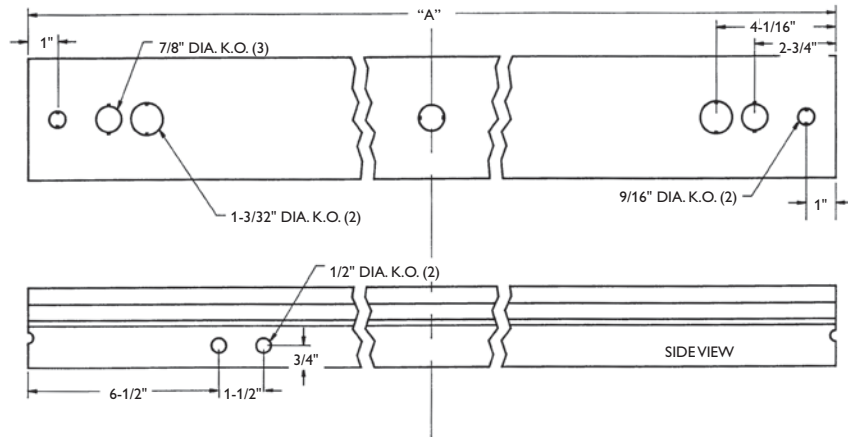
32 - - -			
No. of Lamps/Cross Section (not included)	Reflector Options		
1	PP - Painted Polyester		
2	PPS - Painted Polyester solid top		
3	P2 - Perforated Painted		
4			
Family	Lamp Type/Wattage	Voltage	Options
1F - Spec. Industrial (10% uplight)	32 - 32WT8 (48")	120	1/1 - One 1-lamp ballast
T1F - Tandem Unit		277	1/2 - One 2-lamp ballast
1FC - CSA Model		347	1/3 - One 3-lamp ballast
T1FC - Tandem CSA Model		UNV - Universal voltage, 120-277 volt	1/21 - 2-lamp and 1-lamp ballast
			1/4 - One 4-lamp ballast
			2/2 - Two 2-lamp ballast
			1/42 - 4-lamp and 2-lamp ballast
			2/4 - Two 4-lamp ballast
			EB - Electronic ballast, <20% THD
			EBH - T8 high ballast factor electronic ballast
			EB10I - T8 electronic ballast, instant start, <10% THD
			EB10R - Electronic ballast, program rapid start, <10% THD
			EBHE - F32T8 electronic ballast, high efficiency, std. ballast factor
			EBLHE - F32T8 electronic ballast, high efficiency, low ballast factor
			EBHHE - F32T8 electronic ballast, high efficiency, high ballast factor
			E1 - DEB-1 emerg. ballast, 350-450 lumens
			E7 - DEB-7 emerg. ballast, 600-700 lumens
			E5 - DEB-5 emerg. ballast, 1100-1400 lumens
			E5ST - DEB-5ST emerg. ballast w/self test, 1100-1400 lumens
			GLR# - Fusing, fast blow (# = number of ballasts)
			LT20 - Low Temperature (-20°F) start ballast

Accessories

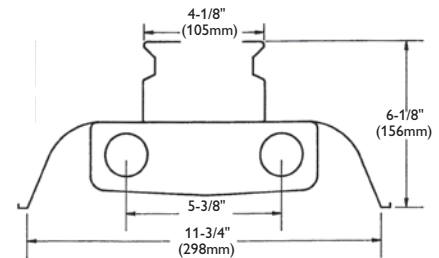
- 3395 - Adjustable conduit hangers
- 5988W/5977W - Hydee hangers (4' models only)
- CS-400 - Rigid stem canopy
- CS-500 - Swivel stem canopy
- CS series stems
- FL-111 - Sliding hanger, conduit/stem/screw
- FL-116 - Sliding hanger, chain suspension
- FL-117 - Hook, chain
- FL-118 - Sliding hanger, messenger cable
- FL-119 - Hook, messenger cable
- FL-123 - 5' chain (w/S-hooks) set
- FL-143/144/145 - 4' steel louver (use 2 for 8')
- FL-153/154/155 - 4' steel baffle (use 2 for 8')
- FL-161A/162A/163A - 4' prismatic diffusers (use 2 for 8')
- FL-173 - 4' wire guard (use 2 for 8')
- FL-3 - Channel coupling
- FL-5 - Reflector end cap (pair)
- N-3380/3381 - Universal joint aligner, octagonal box, 1/2" / 3/4" I.P.S.
- N-3385 - Universal joint aligner, square box, 1/2" I.P.S.

PHILIPS
Day-Brite

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.		Candlepower				Light Distribution				Average Luminance			
Test No.		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
S/MH		0	1452	1452	1452	0-30	1159	20.0	21.8	45	3509	3786	4200
Lamp Type		5	1452	1453	1447	0-40	1930	33.3	36.3	55	3423	4115	3821
Lumens/Lamp		15	1407	1426	1429	0-60	3567	61.5	67.0	65	3256	3672	3778
Ballast Factor		25	1312	1345	1360	0-90	4654	80.2	87.5	75	2912	3879	2567
Input Watts		35	1178	1230	1264	90-180	666	11.5	12.5	85	2190	2304	1849
		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			50
		85	77	81	65	pw	70	50	30	70	50	30	50 30
		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

1F 4' 3 Lamp F32T8

Efficiency – 89.4%

LER – 81

TER – 50

Catalog No.		Candlepower				Light Distribution				Average Luminance			
Test No.		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
S/MH		0	2242	2242	2242	0-30	1787	20.5	23.0	45	5332	5788	6226
Lamp Type		5	2242	2242	2235	0-40	2970	34.1	38.2	55	5147	6012	5869
Lumens/Lamp		15	2165	2198	2207	0-60	5437	62.5	69.9	65	4804	5625	5690
Ballast Factor		25	2012	2074	2108	0-90	6931	79.7	89.1	75	4119	4425	2519
Input Watts		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	Coefficients of Utilization							
		65	819	959	970	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)							
		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

photometry

1F 4' 2 Lamp F32T8

Efficiency – 86.3%

LER – 73

TER – 50

Catalog No.	1F232-P2-1/2-EB
Test No.	20269
S/MH	1.4
Lamp Type	F32T8
Lumens/Lamp	2900
Ballast Factor	0.88
Input Watts	59

Comparative yearly lighting energy cost per 1000 lumens – **\$3.29** based on 3000 hrs. and \$.08 pwr KWH.

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

Candlepower

Angle	End	45	Cross
0	1170	1170	1170
5	1167	1169	1165
15	1129	1141	1146
25	1055	1086	1106
35	947	1003	1054
45	807	902	982
55	644	781	741
65	460	529	596
75	262	325	369
85	81	120	177
95	10	82	140
105	62	82	153
115	139	66	108
125	220	88	95
135	296	149	117
145	368	224	184
155	426	279	259
165	466	399	330
175	487	481	473

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	934	16.4	19.0
0-40	1564	27.4	31.8
0-60	2914	51.1	59.2
0-90	3958	69.4	80.4
90-180	963	16.9	19.6
0-180	4921	86.3	100.0

Average Luminance

Angle	End	45°	Cross
45	2835	3169	3450
55	2789	3382	3209
65	2704	3109	3503
75	2515	3119	3541
85	2309	3420	5045

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	98	98	98	94	94	94	86	86	
1	89	84	81	84	81	78	73	71	
2	81	72	67	77	69	65	64	59	
3	72	64	56	69	60	55	56	51	
4	67	56	48	63	54	46	50	44	
5	60	50	41	57	47	40	44	38	
6	56	45	36	53	42	35	40	34	
7	52	40	33	48	39	32	35	29	
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	



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Contact Factory for Additional Configurations.

Specifications are subject to change without notice.

Consult website for latest version of this spec sheet.

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

