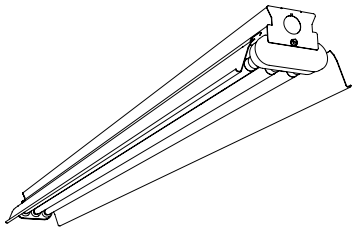
Day-Brite CFI by Signify

Industrial

5F T5 specification

T5 or T5HO



Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI 5F T5 specification industrial is a compact T5/T5HO luminaire with industrial styling and spring loaded turret-type lamp holders.

Ordering guide

Example: 5F254HO-PP1-UNV-1/2-EB

Family	No. of Lamps per Cross Section (not included)	Lamp Type	Reflector Options	Voltage	Options
5F T5 specification industrial	**1**	**28** 28WT5 (46")	**PPS** Painted Polyester Solid Top	**UNV** Universal Voltage 120-277V	**1/1** One 1-lamp ballast
T5F Tandem 5F	**2**	**54HO** 54WT5HO (46")	**PP1** Painted Polyester 10% Uplight	**120** 120V	**1/2** One 2-lamp ballast
	3		**PP2** Painted Polyester 25% Uplight (2 lamp only)	**277** 277V	**1/3** One 3-lamp ballast
	4			**347** 347V	**1/21** 2-lamp & 1-lamp ballasts
					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, std. ballast factor
					E7LP LP550 emerg. ballast, 430-700 lumens, 120/277V
					E6LP LP600 emerg. ballast U.S. or Canada market, 750-1325 lumens, 120/277V
					GLR Fusing, fast blow

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

See Section 1600-OA for Option Information.

See page 1455.3-IF for Mounting Hardware.

Accessories (order separately)

- **E4-HKK** Sliding hanger bracket with 7/8" hole (one)
- **E4-HKS** Sliding hanger bracket with 1/4" x 1" slot (one)
- **FL-123** 5' chain (w/S-hooks) set
- **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
- **N-3381** Universal joint aligner, octagonal box, 3/4" I.P.S.
- **ACH48** Aircraft cable hanger, 48" (one)
- **ACH48-SC** Aircraft cable hanger with straight power cord, 48" (one)
- **ACH48-CC** Aircraft cable hanger with coiled power cord, 48" (one)
- **5F-IJ** Heavy duty in-line coupler
- **5F-WG-4** Wire guard, 4' (use 2 for 8'), 1/2/3 lamp x-section
- **5F-WG-4-4L** Wire guard, 4' (use 2 for 8'), 4 lamp x-section
- **5F-BFP1-4** Baffle for PPS or PP1 reflector, 4' (use 2 for 8'), 1/2/3 lamp x-section
- **5F-BFP1-4-4L** Baffle for PPS or PP1 reflector 4' (use 2 for 8'), 4 lamp x-section
- **5F-BFP2-4** Baffle for PP2 reflector, 4' (use 2 for 8')
- **5F-DEK** Reflector end caps (for use with baffles), 1/2/3 lamp x-section, pair
- **5F-DEK-4L** Reflector end caps (for use with baffles), 4 lamp x-section, pair

5F T5 specification industrial

T5 or T5HO

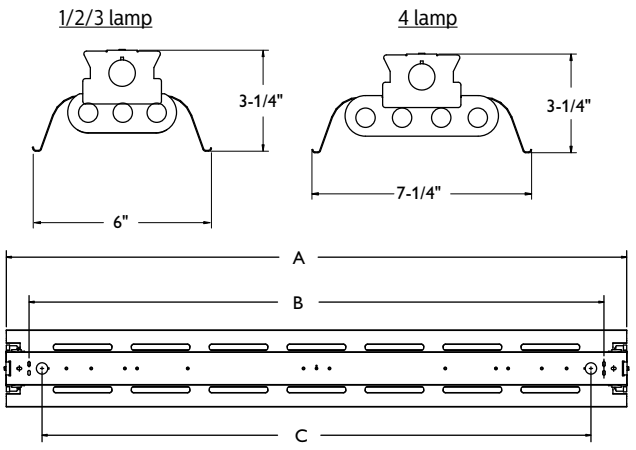
Construction/Finish

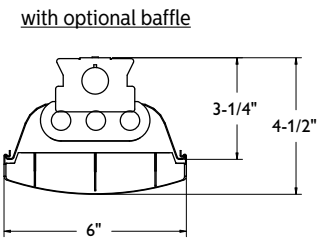
- Specifically designed around T5/T5HO sources to provide a much smaller cross-section than products designed for T8/T12 sources.
- Cross-sectional area of 1/2/3 lamp models is up to 75% smaller than T8/T12 products.
- 4 lamp cross-section models are slightly wider than 1/2/3 lamp models.
- Choice of reflectors for application flexibility - 25% uplight, 10% uplight or solid top.
- Painted after fabrication with high reflectance white powder coat finish.
- Reflectors are retained by thumbscrews for installation or removal without tools.
- 25% uplight models include a center “V” in the reflector for added shielding.
- Optional baffle provides additional shielding in both directions.

Electrical

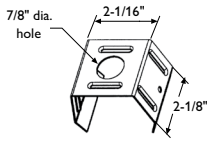
- Spring loaded lampholders provide positive lamp engagement and electrical contact.
- cULus listed for damp locations.

Dimensions

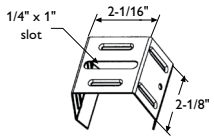




E4-HKK mounting bracket



E4-HKS mounting bracket



Dimensions	A (length)	B (Chain/”S” hook locations)	C (7/8” KO locations)
4' Unit	47-3/4"	44-1/4"	42-1/4"
8' Tandem Unit	95-1/2"	92"	90"

5F T5 specification industrial

T5 or T5HO

Photometry

T5 specification industrial, 2 lamp T5HO, 10% uplight — Efficiency – 94.9% — LER – 69

Catalog No.	5F254HO-PP1-1/2-EB
Test No.	25369
S/MH	1.5
Source	F54T5HO
Lumens	4400
Input Watts	121

Comparative yearly lighting energy cost per 1000 lumens – **$3.48** 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.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	2176	2176	2176
5	2161	2185	2165
15	2091	2143	2151
25	1958	2072	2140
35	1765	1971	2092
45	1524	1820	1852
55	1223	1485	1365
65	879	967	935
75	493	559	396
85	139	108	104
95	10	116	125
105	25	136	238
115	35	184	162
125	42	295	278
135	49	333	382
145	54	287	387
155	61	208	295
165	65	138	189
175	66	83	89

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1762	20.0	21.1
0-40	2981	33.9	35.7
0-60	5560	63.2	66.6
0-90	7208	81.9	86.3
90-180	1146	13.0	13.7
0-180	8353	94.9	100.0

Average Luminance

Angle	End	45°	Cross
5	12787	15271	15539
55	12651	15361	14119
65	12340	13575	13126
75	11301	12814	9078
85	9462	7352	7080

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	110	110	110	106	106	106	97	97
1	100	94	91	95	92	88	85	82
2	91	82	76	86	80	73	73	69
3	81	71	64	79	69	63	65	58
4	75	64	55	71	61	54	57	51
5	68	56	47	66	55	46	51	44
6	63	51	41	60	48	40	46	39
7	58	46	36	56	44	36	41	34
8	54	41	33	52	40	33	38	30
9	51	38	29	48	36	29	34	28
10	46	34	27	46	34	27	32	26

T5 specification industrial, 2 lamp T5HO, 25% uplight — Efficiency – 92.0% — LER – 67

Catalog No.	5F254HO-PP2-1/2-EB
Test No.	25370
S/MH	1.3
Source	F54T5HO
Lumens	4400
Input Watts	121

Comparative yearly lighting energy cost per 1000 lumens – **$3.58** 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.

Photometric values based on test performed in compliance with LM-79.

Candlepower

Angle	End	45	Cross
0	2163	2163	2163
5	2138	2167	2150
15	2075	2107	2111
25	1946	2010	2034
35	1758	1858	1842
45	1516	1558	1349
55	1233	1054	814
65	893	573	480
75	515	307	336
85	140	232	310
95	10	312	412
105	20	404	532
115	32	403	556
125	44	384	513
135	53	343	466
145	57	278	381
155	63	198	281
165	64	129	179
175	68	82	82

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	1720	19.5	21.2
0-40	2858	32.5	35.3
0-60	4951	56.3	61.1
0-90	6244	70.9	77.1
90-180	1855	21.1	22.9
0-180	8099	92.0	100.0

Average Luminance

Angle	End	45°	Cross
45	12720	13073	11319
55	12754	10902	8420
65	12537	8044	6739
75	11806	7038	7702
85	9530	15793	21103

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	105	105	105	100	100	100	91	91
1	94	91	86	90	86	82	79	76
2	86	79	72	81	76	69	68	65
3	79	69	61	75	67	59	60	56
4	71	61	54	68	58	52	54	47
5	66	55	46	63	53	46	48	41
6	60	50	41	57	47	40	44	38
7	56	45	36	54	42	35	40	34
8	53	40	33	50	39	32	35	29
9	48	36	29	46	35	28	33	27
10	46	34	27	44	33	27	30	25

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

Signify

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Signify North America Corporation
200 Franklin Square Drive,
Somerset, NJ 08873
Telephone 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008