

1 or 2 Lamp
T8

The ultimate in industrial fluorescent
fixture efficiency

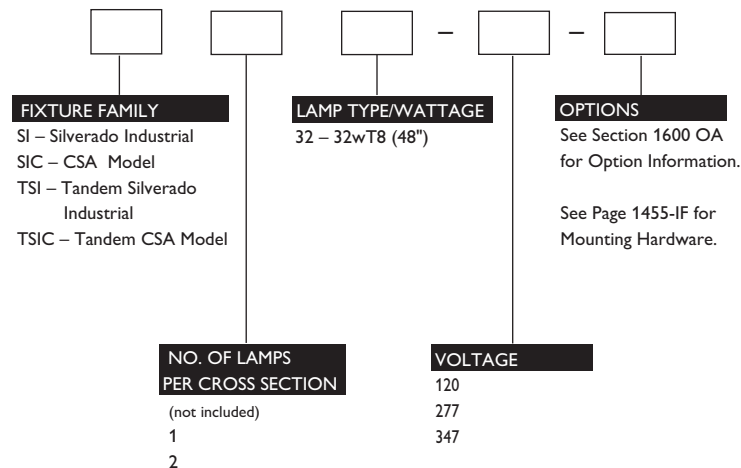
CONSTRUCTION/FINISH

- Specular Silverado™ reflectors with 95% reflective surface increases task visibility directly below fixtures.
- Multiple knockouts for convenient installation.
- Heavy duty channel of code gauge die formed steel with baked white enamel.
- Continuous rows utilize a simple concealed coupling, FL-3 (optional).
- Silverado™ reflectors feature specular silver laminate on aluminum substrate. Removable clear protective film standard on all fixtures. Top reflector surface painted in Dove Gray finish.
- Suitable for unit or row, direct or suspension mounting.

ELECTRICAL

- UL listed for direct mounting on low density ceilings and damp locations. C.S.A. certified optional.
- Class P, HPF, CBM certified ballasts comply with ⑥ Federal Ballast Law (Public Law 100-357,1988).
- Spring-loaded turret lampholders provide positive lamp engagement and electrical contact.

CATALOG NUMBER



NOTES:

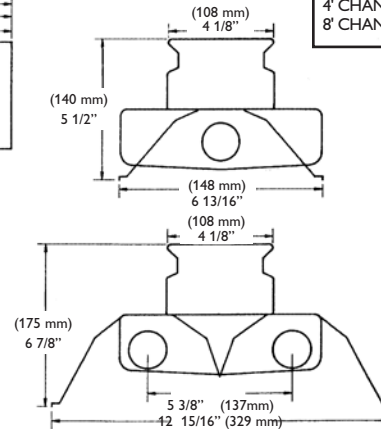
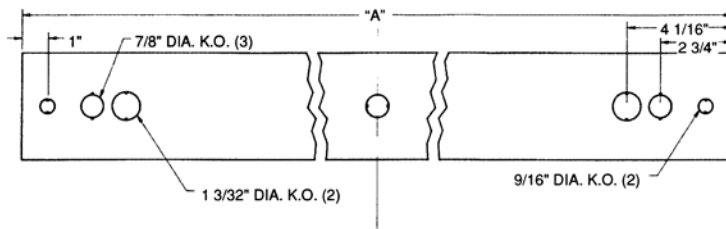
- With generic Electronic Ballasts (Brand selected by Day-Brite)
Suffix Catalog # with – Ballast Quantity – / – EB Lamps Per Ballast
Example: –1/2-EB = One 2 Lamp Electronic Ballast.
Example: –1/4-EB = One 4 Lamp Electronic Ballast.



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

JOB INFORMATION

DIMENSIONS



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

PHOTOMETRIC DATA

CATALOG # SI 132-1/1-EB
TEST # 42318 S/MH=1.5

LAMPS = F32 T8

INPUT WATTS = 36

LER = FI-75

BALLAST = ELECTRONIC

BALLAST FACTOR = 1.00

FIXTURE EFFICIENCY= 92.5%

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.20 BASED ON 3000 HRS. AND \$.08 PER KWH.

CANDLEPOWER				
Angle	End	45	Cross	
0	848	848	848	
5	848	907	952	
10	835	991	1062	
15	815	1056	1176	
20	784	1123	1320	
25	746	1201	1266	
30	703	1222	1042	
35	653	1079	853	
40	594	876	657	
45	530	698	419	
50	463	515	351	
55	392	315	332	
60	318	255	318	
65	245	232	224	
70	173	182	109	
75	109	82	15	
80	54	4	0	
85	16	1	0	

MAINTAINED ILLUMINATION TABLE- Square Feet/
Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.83 2900 Lumens/Lamp (very clean)
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
4'	5	—	79	47	37	—
1-Lamp	2	—	55	33	—	—
	1	123	41	—	—	—

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE
CD/SQ.M
WITH 2900 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	3701	4875	2926
55	3375	2712	2858
65	2863	2711	2617
75	2080	1565	286
85	907	57	0

TYPICAL V.C.P.'s
Room Mounting Height

Room Size	Crosswise			
	8.5	10	8.5	10
30x30	55	55	66	66
40x40	58	56	68	68
60x30	59	60	71	69
60x60	61	56	71	69
100x100	65	61	75	73

COEFFICIENT OF UTILIZATION

pfc pcc pw RCR	20				70				50			
	70	50	30	10	70	50	30	10	70	50	30	10
0	110	110	110	108	108	108	103	103	103	92	92	90
1	102	97	94	100	95	93	92	90	92	86	81	78
2	93	86	81	92	84	80	81	78	85	78	70	68
3	85	78	70	83	76	69	72	68	77	68	60	59
4	79	68	61	77	66	60	66	59	72	61	55	54
5	72	61	55	71	60	54	58	53	68	56	48	46
6	68	56	48	66	56	47	54	46	63	51	44	42
7	63	51	44	61	51	42	48	42	58	46	39	39
8	58	46	39	56	46	39	45	39	55	42	35	34
9	55	42	35	54	42	35	41	34	52	40	33	32
10	52	40	33	50	39	33	38	32				

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	891	30.7	33.2
0-40	1469	50.6	54.8
0-60	2342	80.8	87.3
0-90	2682	92.5	100.0

LLF = .83 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94
LLD = 0.88 @ 40% RATED LAMP LIFE BF = 1.00 ELECTRONIC BALLAST & T8 LAMP (RELAMP AT 70% LAMP LIFE)

PHOTOMETRIC DATA

CATALOG # SI 132-1/2-EB
TEST # 42319 S/MH=1.3

LAMPS = F32 T8

INPUT WATTS = 60

LER = FI-82

BALLAST = ELECTRONIC

BALLAST FACTOR = .92

FIXTURE EFFICIENCY= 92.1%

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.93 BASED ON 3000 HRS. AND \$.08 PER KWH.

CANDLEPOWER				
Angle	End	45	Cross	
0	2198	2198	2198	
5	2198	2230	2235	
10	2165	2226	2232	
15	2111	2195	2303	
20	2034	2210	2394	
25	1943	2238	2359	
30	1831	2208	2104	
35	1702	2077	1684	
40	1553	1787	1358	
45	1397	1388	980	
50	1223	1083	723	
55	1038	751	524	
60	848	506	319	
65	655	322	170	
70	476	160	57	
75	300	50	2	
80	152	4	0	
85	40	3	0	

MAINTAINED ILLUMINATION TABLE- Square Feet/
Fixture*

- 80-50-20 Reflectances (Ceiling-Wall-Floor)
- LLF = 0.76 2900 Lumens/Lamp (very clean)
- Room width divided by room height = 5 or more, 2 or 1

Fixture Size & # of Lamps	Room Width Room Height =	Approx. Area (sq. ft.) per Fixture				
		10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
4'	5	—	145	87	62	43
2-Lamp	2	—	103	62	44	31
	1	—	77	46	33	—

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE
CD/SQ.M
WITH 2900 LUMEN LAMPS

ANGLE	END	45°	CROSS
45	5171	5138	3627
55	4737	3427	2391
65	4057	1994	1053
75	3034	506	20
85	1201	90	0

TYPICAL V.C.P.'s
Room Mounting Height

Room Size	Crosswise			
	8.5	10	8.5	10
30x30	58	55	80	78
40x40	60	57	81	78
60x30	60	59	82	79
60x60	62	58	83	79
100x100	67	63	85	82

COEFFICIENT OF UTILIZATION

pfc pcc pw RCR	20				70				50			
	70	50	30	10	70	50	30	10	70	50	30	10
0	110	110	110	107	107	107	102	102	102	93	93	90
1	102	98	94	100	95	93	93	90	93	88	81	79
2	93	88	81	92	85	81	82	79	86	78	71	68
3	86	78	71	84	77	70	73	68	80	69	63	61
4	80	69	63	78	68	61	67	60	73	63	56	54
5	73	63	56	71	61	55	59	54	68	56	48	46
6	68	56	50	67	56	48	55	48	64	52	45	44
7	64	52	45	61	52	44	50	44	59	47	40	40
8	59	47	40	57	46	40	46	40	56	44	36	35
9	56	44	36	54	44	36	41	35	52	40	34	33
10	52	40	34	51	40	34	39	33				

LIGHT DISTRIBUTION

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1846	31.8	34.5
0-40	3013	51.9	56.4
0-60	4817	83.0	90.1
0-90	5344	92.1	100.0

LLF = .76 LLF = LIGHT LOSS FACTOR LLF = LDD X LLD X BF LDD = VERY CLEAN 0.94
LLD = 0.88 @ 40% RATED LAMP LIFE BF = 0.92 ELECTRONIC BALLAST & T8 LAMP (RELAMP AT 70% LAMP LIFE)



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