Day-Brite CFI by Signify

Linear

LSW Linear Wall

T8, T5, or T5HO, 2' or 4'

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Day-Brite / CFI LSW Linear Wall is available in lengths of 2' or 4' and is suitable for wall or ceiling mounted applications.

Ordering guide

Example: LS4R232UNV-1/2-EB

Family	Nominal length	Lens type	Lamp quantity/ cross section	Lamp Type	Voltage	Options
LS		R			–	
LS LSW Linear Wall	**2** 24" **4** 48"	**R** Linear prismatic virgin acrylic lens	**1** **2**	**14** 14WT5 (22") **17** 17WT8 (24") **28** 28WT5 (46") **32** 32WT8 (48") **54** 54WT5HO (46")	**UNV** 120-277V **120** 120V **277** 277V **347** 347V	**1/1** One 1-lamp ballast **1/2** One 2-lamp ballast **EB** Electronic ballast, <20% THD **EB10I** T8 electronic ballast, instant start, <10% THD **EB10R** Electronic ballast, program rapid start, <10% THD **EBHE** T8 electronic ballast, high efficiency, std. ballast factor **EBLHE** T8 electronic ballast, high efficiency, low ballast factor **EBHHE** T8 electronic ballast, high efficiency, high ballast factor **EBSD** T8 Electronic ballast, step dimming, std. (.88) ballast factor **EBD** Electronic dimming ballast **ESNOLP** Electronic ballast for energy savings (25/28/30W) T8 lamps, use when lamps are not specificed with luminaire **E1** DEB-1 emerg. ballast, T8, 350-450 lumens, 120/277V **E1CAN** DEB-1 emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V **E7** DEB-7 emerg. ballast, T8, 600-700 lumens **E5*** DEB-5 emerg. ballast, US or Canada market, T8, 1100-1400 lumens, 120/277V **E5CAN*** DEB-5 emerg. ballast, Canada market, 1100-1400 lumens, 120/347V **E5ST*** DEB-5ST emerg. ballast w/self test, T8, 1100-1400 lumens **E7LP*** DEB-7LP emerg. ballast T8/T5/T5HO, 430-700 lumens **E6LP*** DEB-6LP emerg. ballast, US or Canada Market, T8/T5/T5HO, 750-1325 lumens, 120/277 **GLR#** Fusing, fast blow (# = number of ballasts) **RF#** RFI-1 RFI (Radio Interference) filter/suppressor(s) (#=number of ballasts). *4' models only.

LS2 & LS4 LSW Linear Wall

T8, T5, or T5HO, 2′ or 4′

Features

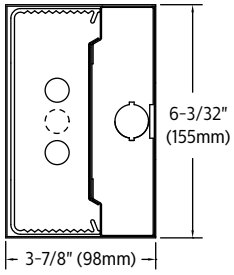
- For ceiling or wall mounted applications.
- Can be vertically or horizontally mounted on wall.
- Only 3 7/8″ deep, meets Americans with Disabilities Act for wall mounted fixtures.
- Low brightness .125 thick linear prismatic virgin acrylic refractor.
- Invisible spring steel latches align refractor to housing.
- Steel post painted baked white enamel end caps.
- Nominal 2′ and 4′ lengths.
- 73.9% efficient (two F32T8 lamps).

Specifications

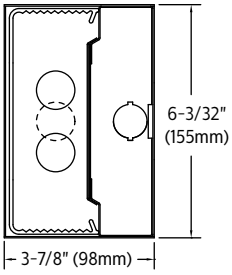
- **Materials:** Chassis Parts–Die-formed code gauge cold rolled steel. End Caps–cold rolled steel.
- **Finish:** Chassis exterior–Post painted white baked acrylic enamel. End Caps–Post painted baked white enamel. Rust preventative under-coating.
- **Refractor:** Low brightness .125 linear prismatic, extruded virgin acrylic lens.
- **Electrical:** Thermally protected class “P” ballast, non PCB. If K.O. is within 3″ of ballast, use wire suitable for at least 90°.
- **Labels:** cULus listed. Suitable for damp locations. Models with emergency ballast suitable for dry locations.

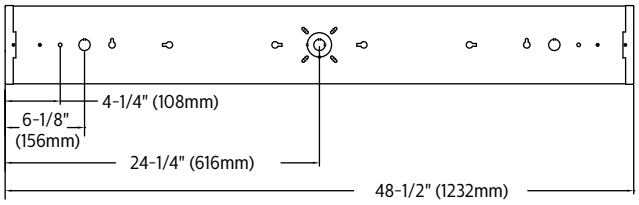
Dimensions

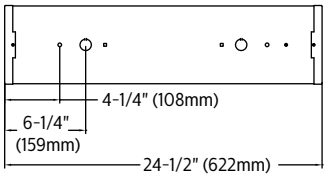
T5 lamps



T8 lamps







LS2 & LS4 LSW Linear Wall

T8, T5, or T5HO, 2' or 4'

Photometry

Model No. LS4R232UNV-1/2-EB

LER = 66.9 TER = 55 IW = 55.4 BF = 0.88
Comparative yearly lighting energy cost per 1000 lumens = $3.59

Report Number: G2010291

Catalog Number: LS4R232UNV-1/2-EB

Lamps: (2) F032T8

Luminaire: LSW Series 4' luminaire

Ballast: RIC2S40TP

Report is based on 2850 lumens per lamp.

Efficiency: 73.9%

CIE Type: Semi Direct

Plane:	0-Deg.	90-Deg.
Spacing Criteria:	1.2	1.3
Shielding Angles:	90	90
Plane:	0-Deg.	90-Deg.
Luminous Length:	6.000	48.000

Candela Distribution

Vertical Angle	Horizontal Angle 0	45	90	Zonal Lumens
0	1176	1176	1176	
5	1162	1175	1188	112
15	1116	1155	1184	326
25	1028	1093	1134	502
35	899	973	993	598
45	724	696	665	542
55	483	485	526	443
65	235	367	508	377
75	110	309	468	319
85	20	229	404	243
90	6	202	364	
95	6	203	351	208
105	5	185	300	180
115	5	155	253	143
125	5	124	201	103
135	5	88	142	63
145	6	58	94	34
155	6	34	56	15
165	6	14	24	4
175	5	2	3	
180	2	2	2	

Coefficients of Utilization

Ceiling	80%			50%			30%		
Wall	70	50	30	50	30	10	50	30	10
RC / RW	Zonal Cavity Method Effective Floor Reflectance = 20%								
1	76	72	69	64	61	59	58	56	55
2	69	63	57	55	51	48	51	48	45
3	63	55	49	49	44	40	45	41	38
4	58	49	42	43	38	34	40	36	32
5	53	44	37	39	34	30	36	32	28
6	49	39	33	35	30	26	33	28	25
7	45	36	29	32	27	23	30	25	22
8	42	33	26	29	24	21	27	23	20
9	40	30	24	27	22	19	25	21	18
10	37	28	22	25	20	17	24	19	16

Room Cavity Ratio

Average Luminance data in candela / sq. meter

Angle	0°	45°	90°
45	3992.	4363.	4830.
55	2937.	3485.	4620.
65	1648.	3204.	5869.
75	946.	3573.	8263.
85	231.	4105.	16163.

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-30	940	16.5	22.3
0-40	1538	27.0	36.5
0-60	2523	44.3	59.9
0-90	3463	60.8	82.2
90-120	531	9.3	12.6
90-130	634	11.1	15.1
90-150	732	12.8	17.4
90-180	751	13.2	17.8
0-180	4214	73.9	100.0

Model No. LS2R217UNV-1/2-EB

LER = 66.9 TER = 55 IW = 29.8 BF = 0.93
Comparative yearly lighting energy cost per 1000 lumens = $3.59

Report Number: G2010296

Catalog Number: LS2R217UNV-1/2-EB

Lamps: (2)F17 T8

Luminaire: LSW Series 2' luminaire

Ballast: ICN-2P32-SC

Report is based on 1400 lumens per lamp.

Efficiency: 76.6%

CIE Type: Semi Direct

Plane:	0-Deg.	90-Deg.
Spacing Criteria:	1.2	1.3
Shielding Angles:	90	90
Plane:	0-Deg.	90-Deg.
Luminous Length:	6.000	48.000

Candela Distribution

Vertical Angle	Horizontal Angle 0	45	90	Zonal Lumens
0	553	553	553	
5	549	553	557	53
15	526	541	554	153
25	482	509	529	234
35	418	454	481	283
45	337	381	417	293
55	234	300	341	264
65	140	217	268	212
75	66	154	216	158
85	13	99	164	105
90	3	79	151	
95	3	82	158	91
105	2	94	150	90
115	2	83	131	76
125	3	72	112	59
135	3	53	85	38
145	3	36	57	21
155	5	23	36	10
165	9	17	23	5
175	9	10	11	1
180	8	8	8	

Coefficients of Utilization

Ceiling	80%			50%			30%		
Wall	70	50	30	50	30	10	50	30	10
RC / RW	Zonal Cavity Method Effective Floor Reflectance = 20%								
1	79	75	71	66	63	61	61	59	57
2	72	65	59	57	53	50	53	49	46
3	65	57	50	50	45	41	46	42	39
4	59	50	43	44	39	35	41	37	33
5	55	45	38	40	34	30	37	32	29
6	50	40	33	36	30	26	33	29	25
7	47	36	30	33	27	23	30	26	22
8	43	33	27	30	24	21	28	23	20
9	40	30	24	27	22	19	26	21	18
10	38	28	22	25	20	17	24	19	16

Room Cavity Ratio

Average Luminance data in candela / sq. meter

Angle	0°	45°	90°
45	4845.	4785.	4649.
55	3982.	4259.	4153.
65	3031.	3671.	3721.
75	2048.	3349.	3615.
85	753.	3147.	3592.

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-30	439	15.7	20.5
0-40	722	25.8	33.7
0-60	1279	45.7	59.6
0-90	1755	62.7	81.8
90-120	257	9.2	12.0
90-130	316	11.3	14.7
90-150	375	13.4	17.5
90-180	391	13.9	18.2
0-180	2145	76.6	100.0

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

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