

Linear

DormLyte linear wall

T8, T5, or T5HO, 4'



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

The Day-Brite / CFI DormLyte Linear Wall offers separate lamp compartments for controlled uplight or downlight. It is ideal for dorms, nursing homes, assisted living facilities, healthcare facilities, and other over bed or wall mounted applications.

Ordering guide

Example: DM4X232UNV-1/2-EB

Family	Nominal Length	Divider	Lamp Qty	Lamp Type	Voltage	Options
DM	4				—	
DM DormLyte Linear Wall	4 48"	X Up/down light R Independent up or down light (2 lamp only)	1 1 lamp 2 2 lamp	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 2/1 Two 1-lamp ballasts 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 specified 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 ESCAN 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, 120/277V GLR# Fusing, fast blow (# = number of ballasts) RF# RFI-1 RFI (Radio Interference) filter/suppressor(s) (#=number of ballasts) S1 Pull chain switch (on/off) 120V only S4 Pull chain switch (4 position) 120V only (requires 2/1 ballast configuration)

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Features

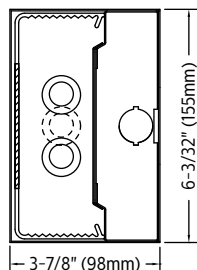
- For dorms, nursing homes, assisted living facilities, health care facilities, or other over bed or wall mounted applications.
- Up and downlight, 1 or 2 lamp.
- Separate lamp compartments available for controlled uplight and downlight.
- 1/8" thick DR acrylic lens.
- Unique co-extrusion lens with white opaque center and frosted white front sections for subtle glow with linear prisms to spread up/downlight.
- Only 3-7/8" deep, meets American With Disabilities Act for wall mounted fixtures.
- Concealed pull-action spring-loaded latches to retain lens.
- Cold rolled steel post painted baked white enamel end caps.
- Single on/off or 4-position pull chain switch optional (120V only).

Specifications

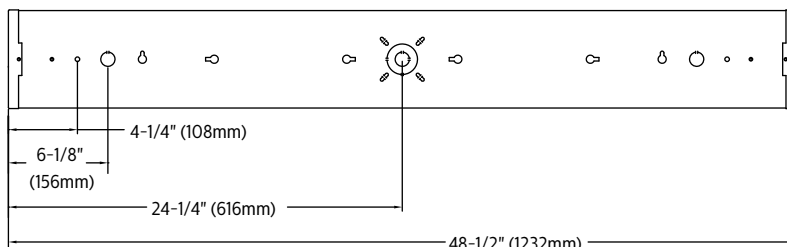
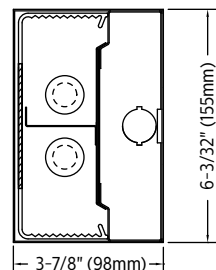
- **Materials:** Chassis Parts—Die-formed code gauge cold rolled steel. End Caps—Cold rolled steel.
- **Finish:** Chassis Exterior—Post painted white baked acrylic enamel. End Caps—Post painted baked white enamel. Rust preventative undercoating.
- **Refractor:** 1/8" thick DR acrylic, unique co-extrusion, white opaque center, linear prisms to spread up/down light.
- **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

Up/Down Light
1 or 2 T5 or T8 lamps



Independent Up/Down Light
2 T5 or T8 lamps



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Photometry

Model No. DM4X232UNV-1/2-EB

LER = 59.1 TER = 44 IW = 53.1 BF = 0.88
Comparative yearly lighting energy cost per
1000 lumens = \$4.10

Report Number: G2010300

Catalog Number: DM4X232UNV-1/2-EB

Lamps: (2) F032T8

Luminaire: DormLyte Wall Mounted
4' luminaire

Ballast: ICN-2P32-SC Advance

Report is based on 2950 lumens per lamp.

Efficiency: 60.4%

CIE Type: General Diffuse

Plane: 0-Deg. 90-Deg.

Spacing Criteria: 1.9 1.1

Shielding Angles: 90 90

Plane: 0-Deg. 90-Deg.

Luminous Length: 2.400 48.000

Candela Distribution

Vertical Angle	Horizontal Angle			Zonal Lumens
	0	45	90	
0	465	465	465	
5	479	455	455	44
15	531	425	420	126
25	581	375	368	190
35	615	311	301	237
45	630	241	228	261
55	623	168	153	254
65	589	108	95	235
75	548	55	48	203
85	504	14	10	172
90	496	12	0	
95	514	32	13	184
105	558	77	55	223
115	598	132	107	257
125	623	195	170	278
135	630	261	237	278
145	615	326	304	252
155	581	384	365	201
165	531	425	412	128
175	470	446	442	43
180	448	448	448	

Coefficients of Utilization

Ceiling	80%			50%			30%		
	70	50	30	70	50	30	70	50	30
Wall									
RC									
RW									
Zonal Cavity Method Effective Floor Reflectance = 20%									
1	58	54	52	42	40	38	34	33	32
2	52	47	43	36	33	31	29	27	25
3	47	41	36	31	28	25	26	23	21
4	43	36	31	28	24	21	23	20	18
5	39	32	27	25	21	18	20	17	15
6	36	28	23	22	18	16	18	15	13
7	33	26	21	20	16	14	16	14	12
8	31	23	18	18	15	12	15	12	10
9	29	21	16	17	13	11	14	11	9
10	27	19	15	15	12	10	13	10	8

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-30	359	6.1	10.1
0-40	596	10.1	16.7
0-60	1112	18.8	31.2
0-90	1723	29.2	48.3
90-120	664	11.3	18.6
90-130	942	16	26.4
90-150	1472	25	41.3
90-180	1843	31.2	51.7
0-180	3566	60.4	100

Average Luminance data in candela / sq. meter

Angle	0°	45°	90°
45	3424	4075	1239
55	3196	3343	785
65	2947	2711	475
75	2757	1949	241
85	2630	890	52

Room Size:	12' x 10' x 8'
	ceiling
Reflectance:	80-50-20 0.80LLF
Reading Area:	35-40 sq. feet

