

Day-Brite



by Signify

Industrial

Vaporlume LED DW

4' sealed industrial
4300 to 7000 lm



Control options available

Day-Brite / CFI Vaporlume LED sealed industrial DW is a specialized wet location, IP rated product designed for use in both indoor and outdoor environments. It is a wet location listed, non-corrosive luminaire available in both fluorescent and LED light sources.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lumens: _____ Qty: _____
 Notes: _____

Ordering guide

Example: **DWAE51L840-4-UNV-MD360W**

Family	Application	Lens	Hubs Installed	Lumen Package	Color Temp.	Length	Voltage	Driver	Options
D	W		E		–	–	–	–	
D Sealed industrial	W Wet Location	A DR Acrylic P Polycarbonate L Enhanced LED Acrylic	E Ends only	35L 3500 nominal lumens 43L 4300 nominal lumens 51L 5100 nominal lumens (25°C ambient) 51LH 5100 nominal lumens (-35°C to 40°C) 70L 7000 nominal lumens Other lumen packages may be ordered in increments of 100lm up to 7000 lumens.	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K	4 4'	UNV Universal Voltage, 120-277V 347¹ 347V 480¹ 480V	blank SDIM² 0-10V Step dimming to 40% input power	MD360W⁵ Wet location occupancy sensor, external MD360WD⁵ Wet location occupancy sensor, (ON/DIM to 10%) WHP Wide beam optic EM10³ Integral emergency IP67 Protection against effects of immersion GLR Fusing, fast blow SWZCSH⁴ Interact Pro scalable high bay sensor with integral daylight & occupancy sensing, advanced grouping with dwell time SSL Stainless steel latches

Footnotes

- All 347V and 480V models available only for (-20°C to 25°C) ambient. Not available for use with 51LH or SDIM options.
- Step dim (SDIM) option not available on 51LH.
- EM10 option not available on 347V or 480V models.
- High bay motion detector. Motion sensing zone is extremely limited if used below 15' mounting height.
- Not available with SWZCSH option.

Accessories (order separately)

- TBK** - Stainless Steel Top Bracket Kit (pair of brackets plus hardware)
- EBK** - Stainless Steel End Bracket Kit (pair of brackets plus hardware)
- WBK** - Stainless Steel Wraparound Bracket Kit (pair of brackets)
- FKR-126** - Chain Hanger Set (requires TBK)
- V2/DW-4ARL-CS** - 4' Acrylic Replacement Lens
- V2/DW-4PRL-CS** - 4' Polycarbonate Replacement Lens
- V2/DW-4LRA** - 4' LED Frosted Acrylic Replacement Lens



interact
ready

DW Vaporlume LED sealed industrial

4', 3500 to 7000 lumens

Specifications

Application

- Ideally suited for use in refrigerated cold storage, industrial, parking garage, and canopy applications.
- Acceptable for outdoor as well as indoor installations.
- Can be surface (wall/ceiling) or suspended mounted unless otherwise specified.
- Wet Location – Areas of high humidity, water vapor, rain, incidental water spray, or other non-corrosive or nonflammable liquid.
- Excellent for applications such as garages, stairwells, storage areas, horizontal shelf-mount refrigerated cases, and cold storage.
- Mounting brackets available, order separately.
- IP65 rating standard. IP67 configuration available.
- LED sources provide excellent low temperature performance. This product can replace a fluorescent model in cold environments with significant energy savings.
- 51LH model listed for use in -35°C to 40°C ambient. 50,000 hour L70 lumen maintenance.
- 35L/43L models listed for use in -20°C to 40°C ambient. 100,000 hour L70 lumen maintenance.
- 51L/70L models listed for use in -20°C to 25°C ambient. L70 lumen maintenance is 100,000 hours for 51L model, and 50,000 hours for 70L.
- NSF Certified for Non-Food Zone Installations.
- EM10 1100lm nominal in DC mode
- WHP wide optic is an acrylic lens factory installed on the LED arrays, provides compliance to DLC requirements for parking garage luminaires
- Vaporlume LED luminaires are Designlights Consortium qualified. Please see the DLC QPL list for exact catalog numbers (<http://www.designlights.org/QPL>).

Construction/Finish

- Non-conductive, non-corrosive housing.
- Smooth exterior surface for easy cleaning.
- White one piece, molded fiberglass reinforced polyester body. No rusting, no oxidation, and no corrosion.
- Standard acrylic lens (A) is stippled sheet of .130" nominal thickness.
- Optional LED lens (L) designed specifically to further reduce pixilated glare from LED's. Linear rib profile.

- Optional polycarbonate lens (P) will not be yellowed by LED sources because they do not produce UV.
- Continuous compressible closed cell gasket provides tight seal between plastic enclosure and luminaire body.
- White ABS cam action latches standard.
- Pre-painted steel lighting channel.
- Two gasketed threaded (½" trade size) wet location hubs installed on ends.
- **Electrical**
- High efficiency LEDs provide up to 100,000 hour rated life (L70, defined as 70% lumen maintenance @ rated maximum ambient).
- Dimming to 5% on 0-10V controls standard. Step dim (SDIM) option available, 100/40% levels.
- Driver and LED boards are accessible from below. LED boards are individually replaceable if required.
- Combinations are available providing as much as 117 delivered lumens per Watt.
- Nominal lumen packages range from 3,500 to 7,000 lumens, providing flexibility to optimize light levels for a specific application.
- LED sources provide full illumination in low temperature applications, unlike fluorescent sources that provide reduced light levels in very cold environments.
- LED sources can be frequently switched with no negative impact on life.
- Minimum 80 CRI provides smooth color rendering that rivals or exceeds performance of fluorescent lamps.
- Light output from the luminaire contains no infrared or ultraviolet energy, so the light won't heat or fade the objects being lit.
- Available motion sensor further increases energy savings in areas where occupancy is not continuous.

Labels

- cETLus listed to UL 1598. Suitable for use in wet locations.
- 5 Year Limited Warranty, www.signify.com/warranties
- Certain luminaire components may be adversely affected by contaminants. If sulfur, chlorine, or petroleum based solutions, or other contaminants will be in the area of operation, please consult factory as damage caused by these contaminants are not covered under our limited warranty.

Controls Options*

Interact radio node for Standalone, Gateway & Gateway + IoT tiers (RA)

- RA sensor option is a connected radio node supporting wireless mesh connectivity.
- Compatible with standalone and gateway modes of Interact.

Interact occupancy & daylight sensor for Standalone, Gateway & Gateway + IoT tiers (CS)

- The CS sensor option is a connected sensor with built-in occupancy and daylight detection, along with wireless mesh connectivity.
- Compatible with standalone and gateway modes of Interact.

Interact advanced sensor bundle for Gateway + IoT tier (SB)

- SB sensor option offers occupancy and daylight sensing and supports advanced IoT capabilities, such as desk-level temperature and humidity monitoring, noise classification, and Bluetooth Low Energy (BLE) beacon functionality.
- Setup requires a compatible gateway and internet connectivity.
- With compatible gateway and software analytics, SB sensor option enables greater building efficiency, seamless system integration, and optimized space utilization through occupancy and environmental insights.

Interact for intelligent buildings sensor option codes across Genlyte product lines*

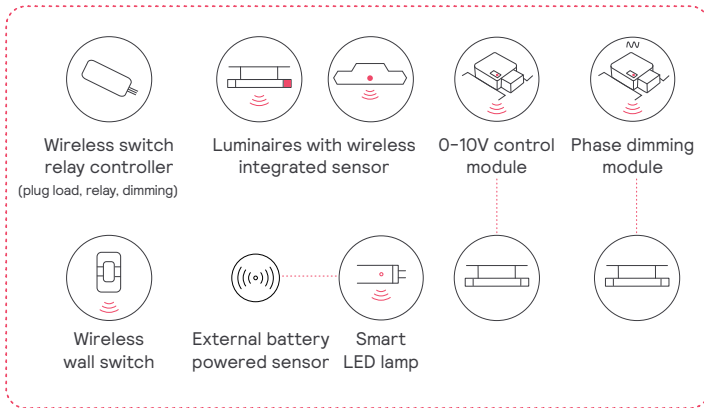
	Sensor part #	Daybrite	Ledalite	Lightlier
Zigbee + Bluetooth	SC100B	RADIO	RA	RA
Zigbee + Bluetooth + Sensing	SC200B	SWZCS	CS	SBA or SWCS accessory
Zigbee + Bluetooth + Sensing + Environmental data	SC1500	IAOSB	SB	SBA or SWCS accessory
Zigbee + Highbay + Bluetooth + Sensing	SNH210 IA	SWZCSH	-	-

DW Vaporlume LED sealed industrial

4', 3500 to 7000 lumens

**Signify
interact**

Easy. Effective. Smart.



Meet Interact

A smart, wireless luminaire level lighting control system (LLLC). A complete solution that combines modern and intuitive technologies for easy installation and specification.

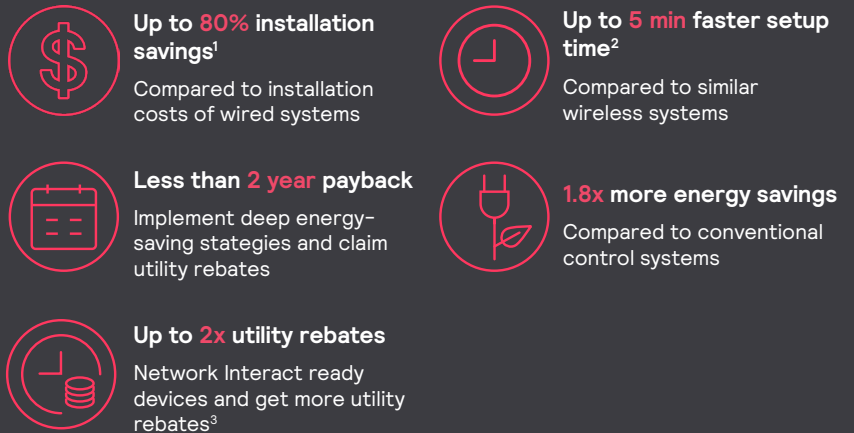
- Works with or without gateway
- **No** IT
- **No** light point restrictions
- **Up to 75%** out of the box savings
- **Fast & easy**
- **Code & rebates** compliant

Capabilities



*Grouping, zoning, dimming, high-end trimming, scenes, scheduling, manual controls

Benefits



1. Versus legacy systems based on installer interviews
2. Based on installer analysis done by Signify for a typical multi-zone space
3. Utility programs across US

Just lights and an App



1. Install the Interact ready fixtures with embedded smart sensor
2. Install the wireless wall switch
3. Configure your setup with the Interact App
4. Leverage the IRT9015 remote accessory to accelerate your setup process
5. Optionally add a gateway for insights and management

Learn more about Interact:

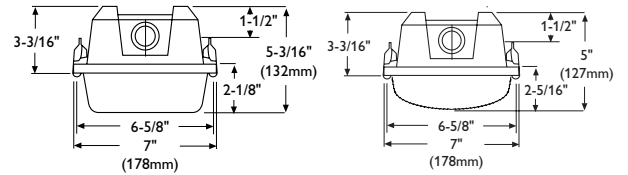
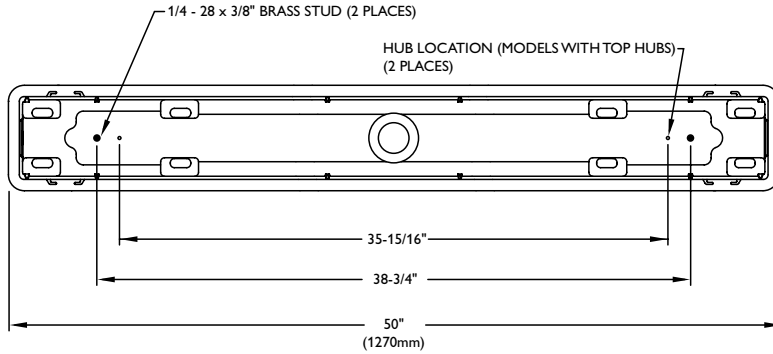
Interact includes an app, a web portal, and a comprehensive range of Interact ready wireless luminaires, lamps, retrofit kits, and control devices like switches and sensors that operate within the same system.



DW Vaporlume LED sealed industrial

4', 3500 to 7000 lumens

Dimensions

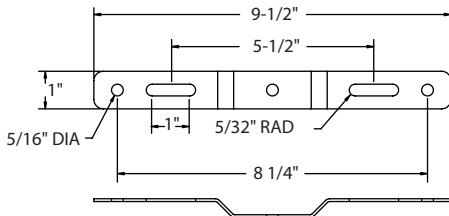


• Shallow acrylic (A) and polycarbonate (P) lens

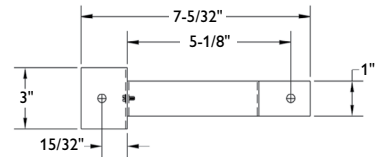
• Enhanced LED acrylic lens (L)

Mounting Brackets

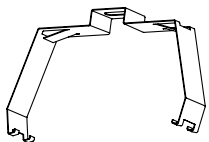
TBK - Top Mounting



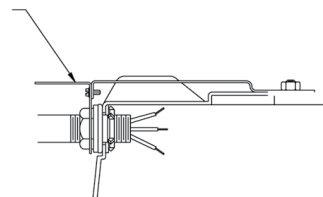
EBK - End Mounting



WBK - Wraparound Mounting Bracket



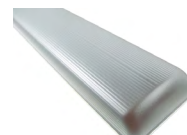
EBK - End Mounting



Acrylic Lens



Polycarbonate Lens



LED Frosted Acrylic Lens

DW Vaporlume LED sealed industrial

4', 3500 to 7000 lumens

4' Vaporlume LED DW, 3500 nominal lumens

LER-117

Catalog No.	DWAE35L840-4	Candlepower				
		Angle	End	45	Cross	Back-45
Test No.	32643	0	1250	1250	1250	1250
S/MH	1.2	5	1244	1239	1243	1239
Source	LED	15	1204	1201	1199	1201
Input Watts	32	25	1112	1114	1106	1114
Delivered Lumens	3699	35	966	964	949	964
		45	778	777	841	777
		55	576	685	708	685
		65	371	509	472	509
		75	193	250	271	250
		85	49	91	96	91
		95	19	36	28	36
		105	17	30	20	30
		115	10	28	20	28
		125	4	19	19	19
		135	2	10	17	10
		145	1	3	9	3
		155	1	1	2	1
		165	1	1	1	1
		175	1	1	1	1

Comparative yearly lighting energy cost per 1000 lumens - \$2.03 based on 3000 hrs. and \$.08 pwr KWH.

Photometric values based upon tests performed in compliance with LM-79.

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
	70	50	30	70	50	30	50	30	
pw									
RCR									
0	117	117	117	114	114	114	110	110	
1	108	103	97	105	100	95	94	92	
2	97	89	81	94	86	80	82	77	
3	89	78	69	85	76	68	72	66	
4	81	68	59	79	68	58	65	56	
5	75	61	53	71	59	52	57	50	
6	68	55	46	67	54	46	52	45	
7	64	50	40	61	48	40	46	40	
8	58	46	36	57	45	36	42	35	
9	56	41	34	54	40	33	40	33	
10	52	39	30	51	38	30	36	29	

Light Distribution

Degrees	Lumens	% Luminaire
0-30	969	26.1
0-40	1569	42.3
0-60	2772	74.8
0-90	3602	97.1
90-120	81	2.2
90-130	95	2.6
90-150	105	2.8
90-180	106	2.9
0-180	3708	100.0

Average Luminance

Angle	End	45°	Cross
45	5069	4222	4360
55	4543	4228	4105
65	865	3770	3222
75	3096	2402	2333
85	1821	1312	1164

4' Vaporlume LED DW, 4300 nominal lumens

LER-116

Catalog No.	DWAE43L840-4	Candlepower				
		Angle	End	45	Cross	Back-45
Test No.	32642	0	1496	1496	1496	1496
S/MH	1.2	5	1491	1487	1485	1487
Source	LED	15	1443	1439	1441	1439
Input Watts	38	25	1332	1338	1323	1338
Delivered Lumens	4431	35	1158	1151	1132	1151
		45	933	926	1000	926
		55	688	819	854	819
		65	444	611	566	611
		75	231	300	324	300
		85	58	110	118	110
		95	23	43	35	43
		105	20	36	25	36
		115	12	34	24	34
		125	5	24	24	24
		135	3	12	21	12
		145	2	4	11	4
		155	1	1	3	1
		165	1	1	1	1
		175	1	1	1	1

Comparative yearly lighting energy cost per 1000 lumens - \$2.07 based on 3000 hrs. and \$.08 pwr KWH.

Photometric values based upon tests performed in compliance with LM-79.

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
	70	50	30	70	50	30	50	30	
pw									
RCR									
0	117	117	117	114	114	114	109	109	
1	108	103	97	104	100	95	94	92	
2	97	89	81	94	86	80	82	77	
3	89	78	69	85	76	68	72	66	
4	81	68	59	79	67	58	65	56	
5	75	61	53	71	59	52	57	50	
6	68	55	46	67	54	46	52	45	
7	64	50	40	61	48	40	46	40	
8	58	46	36	57	45	36	42	35	
9	56	41	34	54	40	33	40	33	
10	52	39	30	51	38	30	36	29	

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1161	26.1
0-40	1880	42.3
0-60	3318	74.7
0-90	4313	97.1
90-120	99	2.2
90-130	116	2.6
90-150	128	2.9
90-180	129	2.9
0-180	4442	100.0

Average Luminance

Angle	End	45°	Cross
45	6078	5034	5182
55	5434	5059	4955
65	4626	4531	3867
75	3704	2883	2786
85	2173	1578	1433

DW Vaporlume LED sealed industrial

4', 3500 to 7000 lumens

4' Vaporlume LED DW, 5100 nominal lumens LER-111

Catalog No.	DWAEE51L840-4	Candlepower					Coefficients of Utilization											
		Angle	End	45	Cross	Back-45	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)											
Test No.	32640	0	1729	1729	1729	1729	pcc	80			70			50				
S/MH	1.2	5	1722	1716	1709	1716	pw	70	50	30	70	50	30	50	30			
Source	LED	15	1666	1651	1632	1651	RCR											
Input Watts	46	25	1542	1523	1494	1523	0	117	117	117	114	114	114	110	110			
Delivered Lumens	5129	35	1340	1307	1250	1307	1	108	103	97	104	100	95	94	92			
		45	1091	1039	1117	1039	2	97	89	81	94	86	80	82	77			
		55	817	909	884	909	3	89	78	69	85	76	68	72	66			
		65	533	670	574	670	4	81	68	59	79	68	58	65	56			
		75	280	309	286	309	5	75	61	53	71	59	52	57	50			
		85	75	107	86	107	6	68	55	46	67	54	46	52	45			
		95	26	47	34	47	7	64	50	40	61	48	40	46	40			
		105	24	42	30	42	8	58	46	36	57	45	36	42	35			
		115	14	39	29	39	9	56	41	34	54	40	33	40	33			
		125	6	28	28	28	10	52	39	30	51	38	30	36	29			
		135	4	16	24	16												
		145	3	5	12	5												
		155	2	2	3	2												
		165	2	2	2	2												
		175	2	2	2	2												

Light Distribution				Average Luminance			
Degrees	Lumens	% Luminaire	Angle	End	45°	Cross	
0-30	1344	26.1	45	7103	5648	5790	
0-40	2176	42.3	55	6447	5616	5126	
0-60	3842	74.7	65	5552	4964	3915	
0-90	4992	97.1	75	4486	2974	2465	
90-120	114	2.2	85	2784	1530	1043	
90-130	133	2.6					
90-150	148	2.9					
90-180	149	2.9					
0-180	5141	100.0					

Comparative yearly lighting energy cost per 1000 lumens – **\$2.16** based on 3000 hrs. and \$.08 pwr KWH.

Photometric values based upon tests performed in compliance with LM-79.

4' Vaporlume LED DW, 7000 nominal lumens LER-107

Catalog No.	DWAEE70L840-4	Candlepower					Coefficients of Utilization											
		Angle	End	45	Cross	Back-45	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)											
Test No.	32614	0	2357	2357	2357	2357	pcc	80			70			50				
S/MH	1.2	5	2351	2342	2345	2342	pw	70	50	30	70	50	30	50	30			
Source	LED	15	2274	2271	2270	2271	RCR											
Input Watts	65	25	2101	2105	2089	2105	0	117	117	117	114	114	114	109	109			
Delivered Lumens	6985	35	1818	1814	1784	1814	1	108	103	97	105	100	95	94	92			
		45	1467	1462	1586	1462	2	97	89	81	94	86	80	82	77			
		55	1085	1302	1345	1302	3	89	78	69	85	76	68	72	66			
		65	701	959	891	959	4	81	68	59	79	67	58	65	56			
		75	365	469	503	469	5	75	61	52	71	59	52	57	50			
		85	92	170	176	170	6	68	55	46	67	54	46	52	45			
		95	36	67	53	67	7	64	50	40	61	48	40	46	40			
		105	33	57	39	57	8	58	46	36	57	45	36	42	35			
		115	19	53	39	53	9	56	41	34	54	40	33	40	33			
		125	8	38	38	38	10	52	39	30	51	38	30	36	29			
		135	4	20	33	20												
		145	3	6	18	6												
		155	2	2	4	2												
		165	2	2	2	2												
		175	2	2	2	2												

Light Distribution				Average Luminance			
Degrees	Lumens	% Luminaire	Angle	End	45°	Cross	
0-30	1830	26.1	45	9554	7946	8219	
0-40	2961	42.3	55	8566	8043	7802	
0-60	5230	74.7	65	7304	7108	6080	
0-90	6798	97.1	75	5848	4516	4329	
90-120	156	2.2	85	3444	2433	2142	
90-130	183	2.6					
90-150	203	2.9					
90-180	205	2.9					
0-180	7003	100.0					

Comparative yearly lighting energy cost per 1000 lumens – **\$2.24** based on 3000 hrs. and \$.08 pwr KWH.

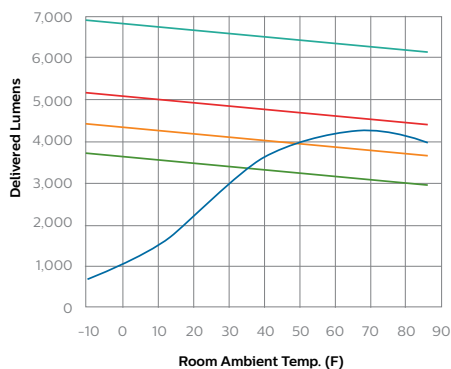
Photometric values based upon tests performed in compliance with LM-79.

DW Vaporlume LED sealed industrial

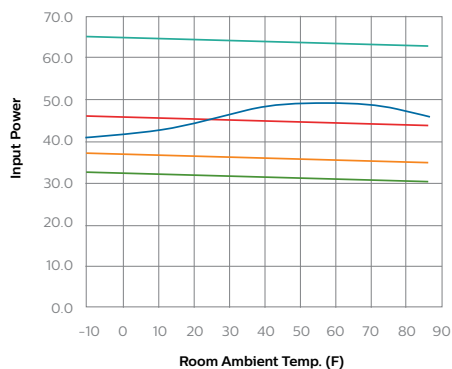
4', 3500 to 7000 lumens

Energy Data

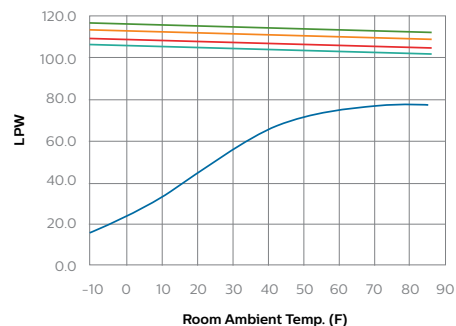
Model	Initial Delivered Lumens @ 25°C Ambient	Input Power	Lumens per Watt	Application notes
DWAE35L840-4-UNV	3,699	32W	117 LPW	<ul style="list-style-type: none"> Slightly less than 2 lamp F32T8 at room temperature, 35% energy savings. Equivalent to 2 lamp F32T8 in refrigerator (40°F), 35% energy savings.
DWAE43L840-4-UNV	4,431	38W	116 LPW	<ul style="list-style-type: none"> Equivalent to 2 lamp F32T8 at room temperature, 15% energy savings. Double the output of 2 lamp F32T8 in freezer (25°F) at the SAME energy use.
DWAE51L840-4-UNV	5,129	46W	111 LPW	<ul style="list-style-type: none"> Equivalent to high ballast factor 2 lamp F32T8 at room temperature, 15% energy savings.
DWAE70L840-4-UNV	6,985	65W	107 LPW	<ul style="list-style-type: none"> Equivalent to 3 lamp F32T8 at room temperature, 30% energy savings.



— 2-LAMP F32T8 — DWAE35L840 — DWAE43L840
— DWAE51L840 — DWAE70L840



— 2-LAMP F32T8 — DWAE35L840 — DWAE43L840
— DWAE51L840 — DWAE70L840



— 2-LAMP F32T8 — DWAE35L840 — DWAE43L840
— DWAE51L840 — DWAE70L840