





Project:		
Location:		
Cat.No:		
Туре:		
Lamps:	Qty:	
Notos:		

Example: DWAE27L840-2-UNV-MD360W

The Philips Day-Brite / Philips 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.

Ordering guide

Family	Application	Lens	Hubs Installed	Lumen Package	Color Temp.	Length	Voltage	Options
D	w		E	27L			_	
D Sealed	W Wet	A DR Acrylic	E Ends only	27L 2700	830 80 CRI,	2 2'	UNV Universal Voltage,	MD360W Wet location occupancy
industrial	Location	P Polycarbonate		nominal	3000K		120-277V	sensor, external
				lumens	835 80 CRI,		347 ¹ 347V	GLR Fusing, fast blow
					3500K			
					840 80 CRI,			
					4000K			
					850 80 CRI,			
					5000K			

Footnotes

1 347V available only for 25°C maximum ambient.

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)







DW Vaporlume LED sealed industrial

2', 2700 lumens

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 non-flammable liquid.
- Mounting brackets available, order separately.
- · IP67 rating standard.
- LED sources provide excellent low temperature performance. This product can replace a fluorescent model in cold environments with significant energy savings.
- Listed for use in 40°C ambient (347V available only for 25°C maximum ambient).
- Vaporlume LED luminaires are Designlights Consortium qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL

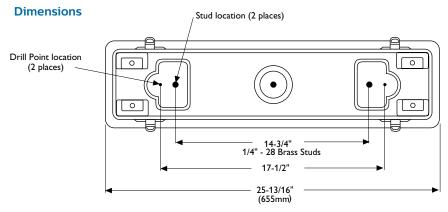
 NSF Certified for Non-Food Zone Installations.

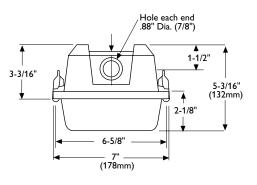
Construction/Finish

- · 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.
- Lens formed from crepe pattern high impact acrylic sheet of .130" nominal thickness.
- Optional polycarbonate lens 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 (1/2" trade size) wet location hubs installed on ends.

Electrical

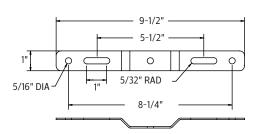
- High efficiency LEDs have 50,000 hour rated life (L70, defined as 70% lumen maintenance).
- Dimming to 5% on 0-10V controls.
- Driver and LED boards are accessible from below. LED boards are individually replaceable if required.
- LED sources provide full illumination in low temperature applications, unlike fluorescent sources that provide reduced light levels in very cold environments..
- LED sources can be frequently switched with no negative impact on life..
- High CRI source provides excellent color rendering.
- 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.
- cETLus listed to UL 1598. Suitable for use in wet locations.
- Five year luminaire warranty including LED boards and driver..



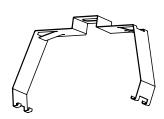


Mounting Brackets

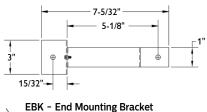
TBK - Top Mounting Bracket

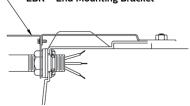


WBK - Wraparound Mounting Bracket



EBK - End Mounting Bracket





DW Vaporlume LED sealed industrial

2', 2700 lumens

2' Vaporlume LED DW, 2700 nominal delivered lumens

LER-104

Catalog No.	DWAE27L835-2-U
Test No.	31212
S/MH	1.2
Source	LED
Input Watts	26

Comparative yearly lighting energy cost per 1000 lumens – \$2.31 based on 3000 hrs. and \$.08 per kWh...

The photometric results were obtained in the Philips 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							
F	Ingle	End	45	Cross			
	0	914	914	914			
	5	908	904	904			
	15	884	879	887			
	25	825	833	827			
	35	727	725	704			
	45	587	572	606			
	55	429	473	512			
	65	271	378	345			
	75	147	177	192			
	85	41	60	59			
	95	21	19	18			
	105	22	16	11			
	115	13	17	11			
	125	6	13	13			
	135	3	6	12			
	145 155 165 175	1 1 1	2 1 1 1	5 1 1 1			

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)									
pcc		80			70		5	0	
pw	70	50	30	70	50	30	50	30	
RCR									
0	117	117	117	114	114	114	110	110	
1	108	103	98	105	100	95	95	92	
2	97	89	82	94	86	81	82	78	
3	89	78	69	85	77	68	72	67	
4	81	68	60	79	68	59	65	57	
5	75	61	53	72	60	52	57	51	
6	68	56	46	67	55	46	53	45	
7	64	51	41	61	50	40	47	40	
8	59	46	38	57	45	36	44	35	
9	56	41	34	54	41	34	40	33	
10	F2	20	20	F1	20	20	20	20	

Light Distribution

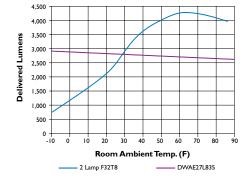
0-

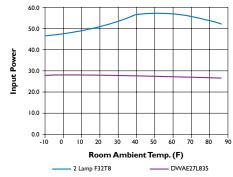
grees	Lumens	% Luminaire	Angle	End	45°	Cross
-30	716	26.5	45	4378	4268	4520
-40	1165	43.1	55	3945	4347	4708
-60	2046	75.7	65	3387	4717	4309
-90	2629	97.6	75	2997	3610	3912
			85	2464	3632	3584

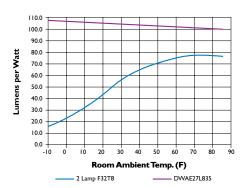
Average Luminance

Energy Data

Model	Initial Delivered Lumens @ 25°C Ambient	Input Power	Lumens per Watt	Application notes
DWAE27L835-2-UNV	2,694	26W	104 LPW	Equivalent to 2 lamp F17T8 or 1 lamp F32T8 at room temperature, 15% energy savings Equivalent to 2 lamp F32T8 in freezer (25°F), 50% energy savings.







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