

SYLVANIA Luminaires

Vapor Tight



Product Features

- Corrosion resistant housing with captive stainless steel mounting accessories and included waterproof compression fitting
- IP65 or IP67 rated, ETL sanitation listed for NSF splash zones, and a wide operating temperature of -40°C to 50°C
- Optional integrated microwave (daylight/motion) sensor for additional energy savings

Wattage Comparison Chart

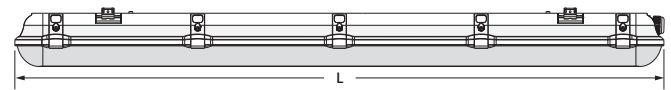
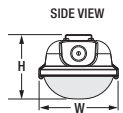
Vapor Tight

Traditional Source	Traditional System Wattage	LED System Wattage	Energy Savings
2 F17 T8	33	20/25	39%/24%
1 F32 T8	27	20/25	26%/7%
35W HPS	45	20/25	56%/44%
50W HPS	62	20/25	68%/60%
70W HPS	92	25	73%
2 F28 T8	50	40/50	20%/0%
2 F32 T8	54	40/50	26%/7%
1 F96 T12	86	40/50	53%/42%
70 W HPS	91	40/50	56%/45%
4 F32 T8	108	65	39%
S F96 T12	172	65	62%
150W HPS	170	65	61%
150W MH	188	65	65%
175W MH	210	65	69%
250W HPS	295	65	78%
250W MH	290	65	77%

Catalog #	Type
Project	
Notes	
Date	
Prepared by	

Dimensions

	L	W	H
2 ft 25W	24.9" (632mm)	4.0" (102mm)	3.3" (85mm)
4 ft 20W	48.5" (1232mm)	3.4" (85mm)	3.3" (85mm)
4 ft 40/50W	48.1" (1232mm)	4.0" (102mm)	3.3" (85mm)
4 ft IP67	49.1" (1247mm)	4.8" (120mm)	3.3" (85mm)
8 ft 65W	96" (2438mm)	4.0" (102mm)	3.3" (85mm)



Specifications

Weight: 2 ft: 2.5 lbs (1.2 kg) 4 ft: 5.8 lbs (2.6 kg) 8 ft: 12.5 lbs (5.7 kg)

Construction: One-piece polycarbonate housing with one-piece polycarbonate lens and stainless steel clips. The standard color is gray.

LED System: LED system with a life rating of ≥84,000 hours (HUV) L70 @25°C. Luminaire efficacy up to 140 LPW.

Electrical: Offered in 20, 25, 40, 50 and 65 Watts, the luminaire is designed to operate through the 120V-277VAC universal voltage and 347-480VAC high universal voltage range. The LED driver has a 2.5kV inherent surge suppression and is a constant current device, meeting UL1310 and UL48 Class 2 with built-in over temperature protection. The power factor is ≥90% and THD is ≤20%.

Dimming: The driver is 0-10V dimmable (down to 6%). Please reference the dimmer compatibility document (LEDLUM012).

Color Characteristics: CRI>80; CCT of 4000K or 5000K.

Optics: Type V distribution with a clear etched polycarbonate lens or optional diffuse lens (sold separately).

Installation: Luminaire mounts to recessed outlet box or can be surface or chain mounted (chain not included). Connector available for tandem wiring. External controls can be added through existing knockouts.

Operating Temperature: -40°F to +122°F (-40°C to +50°C);
EM: +14°F to +122°F (-10°C to +50°C).

Listings: cULus listed to UL1598 standards for wet locations, IP65 or IP67 rated, and ETL Sanitation listed for NSF splash zones. IP67 units are NEMA 4X rated.

Warranty: Standard 5-year luminaire warranty (LEDLUM001).

Note: Specifications subject to change without notice. IES files available online.



*Please see page 3 for DLC listings.

Intertek

Ordering Guide

Item Number:

VAPOR	XX	/	XXX	XXX	D	8	XX	/	XX	XX	/	GR	/	XX
Product Name	Generation		Wattage	Voltage	Dimming	CRI	Color Temp		Size	Optics		Color/Finish		Options
VAPOR	1A		020 = 20 Watts	UNV = 120-277V	D = 0-10V	8 ≥ 80	(CCT)		24 = 24" long	EC = Etched Lens		GR = Gray		Blank = No Option
	1B		025 = 25 Watts	HUV = 347-480V*			40 = 4000K		48 = 48" long	Type V Distribution				D = Motion/Daylighting Sensor
	2B		040 = 40 Watts				50 = 5000K		96 = 96" long	D5 = Diffused Lens				E = Emergency
			050 = 50 Watts							Type V Distribution				
			065 = 65 Watts											

*HUV version available in 50 and 65 watts only

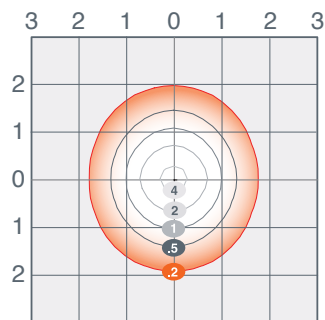
LEDLUM008R17 2-21



Photometric Data

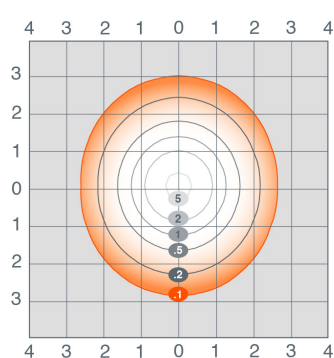
2 ft VAPOR1A/025UNVD840

Isofootcandle Lines at 15' Mounting Height



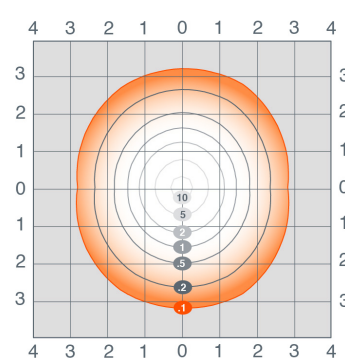
4 ft VAPOR1B/040UNVD840

Isofootcandle Lines at 12' Mounting Height



8 ft VAPOR1B/040UNVD840

Isofootcandle Lines at 12' Mounting Height



For other mounting heights apply the following multipliers:

Mounting Height	10'	12'	15'	18'	20'
Multiplier	2.25	1.56	1.00	0.44	0.36

For other mounting heights apply the following multipliers:

Mounting Height	8'	10'	12'	15'	16'	18'
Multiplier	2.25	1.44	1.00	0.73	0.56	0.44

*For 20W use 0.5 multiplier

Fixture Spacing Chart

	VAPOR1A/025UNVD840/24EC/GR			VAPOR1B/040UNVD840/48EC/GR		
	On Center Fixture Spacing			On Center Fixture Spacing		
	8'x10'	10'x10'	10'x12'	8'x10'	10'x10'	10'x12'
8'	39	29	23.2	65.6	51.2	40.2
10'	37.9	28.1	22.5	63.6	49.9	39.2
12'	35.2	27.3	21.9	63.4	48.3	38.1
14'	34.2	26.6	21.3	61.7	47.3	37.2
16'	33.2	25.6	20.7	55.5	46.3	36.2
18'	32.3	24.9	20.1	53.9	44.7	35.3

Average Illuminance (fc) at 0° AFF.
80/50/20 reflectances.

Options Information

Sensor: Motion and Daylight sensors are both available.

Motion Sensor (Default Setting):

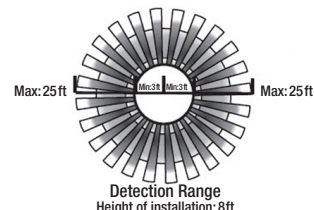
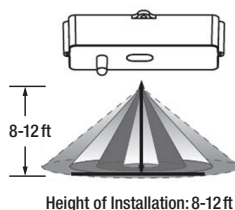
Motion	100% lumen output
≥5min with no motion	30% lumen output
≥60min with no motion	Off

Daylight (Default Setting): 5fc/24H

For customized settings: Purchase remote control separately and refer to the Vapor Tight Remote document LEDLUM015 for further instructions.

Emergency Battery Backup:

Activates when normal power supply to the fixture fails, providing a minimum of 500 lumens for at least 90 minutes.



Ordering Information (Clear Lens)

Item Number	Ordering Abbreviation	Ingress Protection	Power (W)	Input Voltage	Color Temp (CCT)	Total Fixture Lumens		LPW*		DLC**		Options
						Clear Lens	Diffuse Lens	Clear Lens	Diffuse Lens	Clear Lens	Diffuse Lens	
2ft Vapor Tight												
74530	VAPOR1A/025UNVD840/24EC/GR	IP65	25	120-277	4000K	3100	2800	135	121	Prm	Std	–
74531	VAPOR1A/025UNVD850/24EC/GR	IP65	25	120-277	5000K	3100	2800	137	123	Prm	Std	–
74532	VAPOR1B/025UNVD840/24EC/GR/D	IP65	25	120-277	4000K	3100	2800	135	121	Prm	–	Sensor
74533	VAPOR1B/025UNVD850/24EC/GR/D	IP65	25	120-277	5000K	3100	2800	137	123	Prm	–	Sensor
60074	VAPOR1B/025UNVD840/24EC/GR/E	IP65	25	120-277	4000K	3100	2800	135	121	Prm	–	Emergency
60075	VAPOR1B/025UNVD850/24EC/GR/E	IP65	25	120-277	5000K	3100	2800	137	123	Prm	–	Emergency
4ft Vapor Tight												
74534	VAPOR1B/020UNVD840/48EC/GR	IP65	20	120-277	4000K	2600	2300	127	114	Prm	–	–
74535	VAPOR1B/020UNVD850/48EC/GR	IP65	20	120-277	5000K	2600	2300	128	115	Prm	–	–
74536	VAPOR1B/020UNVD840/48EC/GR/D	IP65	20	120-277	4000K	2600	2300	127	114	Prm	–	Sensor
74537	VAPOR1B/020UNVD850/48EC/GR/D	IP65	20	120-277	5000K	2600	2300	128	115	Std	–	Sensor
60043	VAPOR1B/020UNVD840/48EC/GR/E	IP65	20	120-277	4000K	2500	2300	130	114	Prm	–	Emergency
60044	VAPOR1B/020UNVD850/48EC/GR/E	IP65	20	120-277	5000K	2500	2300	130	115	Prm	–	Emergency
60045	VAPOR1B/020UNVD840/48EC/GR/DE	IP65	20	120-277	4000K	2500	2300	130	114	Prm	–	Sensor, Emergency
60046	VAPOR1B/020UNVD850/48EC/GR/DE	IP65	20	120-277	5000K	2500	2300	130	115	Prm	–	Sensor, Emergency
74376	VAPOR1B/040UNVD840/48EC/GR	IP65	40	120-277	4000K	5300	4600	139	120	Prm	Std	–
74377	VAPOR1B/040UNVD850/48EC/GR	IP65	40	120-277	5000K	5300	4700	137	122	Prm	Std	–
74378	VAPOR1B/040UNVD840/48EC/GR/D	IP65	40	120-277	4000K	5400	4500	140	116	Prm	Std	Sensor
74379	VAPOR1B/040UNVD850/48EC/GR/D	IP65	40	120-277	5000K	5400	4600	137	119	Prm	Std	Sensor
74554	VAPOR1B/040UNVD840/48EC/GR/E	IP65	40	120-277	4000K	5300	4600	139	120	Prm	Std	Emergency
74555	VAPOR1B/040UNVD850/48EC/GR/E	IP65	40	120-277	5000K	5300	4700	137	122	Prm	Std	Emergency
74556	VAPOR1B/040UNVD840/48EC/GR/DE	IP65	40	120-277	4000K	5400	4500	140	116	Prm	Std	Sensor, Emergency
74557	VAPOR1B/040UNVD850/48EC/GR/DE	IP65	40	120-277	5000K	5400	4600	137	119	Prm	Std	Sensor, Emergency
74552	VAPOR1A/050HUV840/48EC/GR	IP65	50	347-480	4000K	5700	–	111	–	–	–	–
74553	VAPOR1A/050HUV850/48EC/GR	IP65	50	347-480	5000K	5700	–	111	–	–	–	–
60376	VAPOR1B/050HUV840/48EC/GR/D	IP65	50	347-480	4000K	5700	–	111	–	–	–	Sensor
60377	VAPOR1B/050HUV850/48EC/GR/D	IP65	50	347-480	5000K	5700	–	111	–	–	–	Sensor
60047	VAPOR2B/040UNVD840/48EC/GR	IP67	40	120-277	4000K	5300	4600	139	120	Prm	–	–
60048	VAPOR2B/040UNVD850/48EC/GR	IP67	40	120-277	5000K	5300	4700	137	122	Prm	–	–
60049	VAPOR2B/040UNVD840/48EC/GR/D	IP67	40	120-277	4000K	5300	4600	139	120	Prm	–	Sensor
60050	VAPOR2B/040UNVD850/48EC/GR/D	IP67	40	120-277	5000K	5300	4700	137	122	Prm	–	Sensor
8ft Vapor Tight												
60355	VAPOR1B/065UNVD840/96EC/GR	IP65	65	120-277	4000K	8750	–	135	–	Prm	–	–
60356	VAPOR1B/065UNVD850/96EC/GR	IP65	65	120-277	5000K	8750	–	135	–	Prm	–	–
60357	VAPOR1B/065UNVD840/96EC/GR/D	IP65	65	120-277	4000K	8750	–	135	–	Prm	–	Sensor
60358	VAPOR1B/065UNVD850/96EC/GR/D	IP65	65	120-277	5000K	8750	–	135	–	Prm	–	Sensor
60359	VAPOR1B/065UNVD840/96EC/GR/E	IP65	65	120-277	4000K	8750	–	135	–	Prm	–	Emergency
60360	VAPOR1B/065UNVD850/96EC/GR/E	IP65	65	120-277	5000K	8750	–	135	–	Prm	–	Emergency
60361	VAPOR1B/065UNVD840/96EC/GR/DE	IP65	65	120-277	4000K	8750	–	135	–	Prm	–	Sensor, Emergency
60362	VAPOR1B/065UNVD850/96EC/GR/DE	IP65	65	120-277	5000K	8750	–	135	–	Prm	–	Sensor, Emergency
60363	VAPOR1B/065HUV840/96EC/GR	IP65	65	347-480	4000K	8750	–	135	–	Prm	–	–
60364	VAPOR1B/065HUV850/96EC/GR	IP65	65	347-480	5000K	8750	–	135	–	Prm	–	–
60365	VAPOR1B/065HUV840/96EC/GR/D	IP65	65	347-480	4000K	8750	–	135	–	Prm	–	Sensor
60366	VAPOR1B/065HUV850/96EC/GR/D	IP65	65	347-480	5000K	8750	–	135	–	Prm	–	Sensor

*LPW per LM79 Report
**Std for DLC Standard, Prm for DLC Premium

Ordering Information (Diffuse Lens)

Item Number	Ordering Abbreviation	Ingress Protection	Power (W)	Input Voltage	Color Temp (CCT)	Total Fixture Lumens		LPW*		DLC**		Options
						Clear Lens	Diffuse Lens	Clear Lens	Diffuse Lens	Clear Lens	Diffuse Lens	
4ft Vapor Tight												
60242	VAPOR1B/040UNVD840/48D5/GR	IP65	40	120-277	4000K	5300	4600	139	120	Prm	Std	—
60243	VAPOR1B/040UNVD850/48D5/GR	IP65	40	120-277	5000K	5300	4700	137	122	Prm	Std	—
60244	VAPOR1B/040UNVD840/48D5/GR/D	IP65	40	120-277	4000K	5400	4500	140	116	Prm	Std	Sensor
60245	VAPOR1B/040UNVD850/48D5/GR/D	IP65	40	120-277	5000K	5400	4600	137	119	Prm	Std	Sensor
60246	VAPOR1B/040UNVD840/48D5/GR/E	IP65	40	120-277	4000K	5300	4600	139	120	Prm	Std	Emergency
60247	VAPOR1B/040UNVD850/48D5/GR/E	IP65	40	120-277	5000K	5300	4700	137	122	Prm	Std	Emergency
60248	VAPOR1B/040UNVD840/48D5/GR/DE	IP65	40	120-277	4000K	5400	4500	140	116	Prm	Std	Sensor, Emergency
60249	VAPOR1B/040UNVD850/48D5/GR/DE	IP65	40	120-277	5000K	5400	4600	137	119	Prm	Std	Sensor, Emergency

*LPW per LM79 Report
**Std for DLC Standard, Prm for DLC Premium

Accessories and Replacement Parts*

Item Number	Ordering Abbreviation	Item Description
74541	VAPOR1B/REMOTE	Vapor Tight Sensor Remote compatible with VAPOR1B and VAPOR2B
60104	VAPOR1B/HUVREMOTE	Vapor Tight Sensor Remote compatible with HUV versions of VAPOR1B
61458	VAPOR2B/LENS/24D5	2ft IP67 Diffuse Lens compatible with VAPOR2B
61459	VAPOR1X/LENS/24EC	2ft IP65 Etched Lens replacement compatible with VAPOR1A and VAPOR1B
74744	VAPOR1X/LENS/24D5	2ft IP65 Diffuse Lens compatible with VAPOR1A and VAPOR1B
61462	VAPOR1X/SMLENS/48EC	4ft IP65 Etched Lens replacement compatible with VAPOR1B (20W only)
61463	VAPOR1X/SMLENS/48D5	4ft IP65 Diffuse Lens compatible with VAPOR1B (20W only)
61464	VAPOR2B/LENS/48EC	4ft IP67 Etched Lens replacement compatible with VAPOR2B
61457	VAPOR2B/LENS/48D5	4ft IP67 Diffuse Lens compatible with VAPOR2B
74538	VAPOR1X/LENS/48D5	4ft IP65 Diffuse Lens compatible with VAPOR1A and VAPOR1B
74448	VAPOR1A/LENS/48EC	4ft IP65 Etched Lens replacement compatible with VAPOR1A and VAPOR1B
61461	VAPOR1X/LENS/96D5	8ft IP65 Diffuse Lens compatible with VAPOR1B
61460	VAPOR1X/LENS/96EC	8ft IP65 Etched Lens replacement compatible with VAPOR1B
74920	VAPOR1A/CONN/BL	Tandem Wiring Connector

*Etched lens is the standard lens shipped with fixture.

DLC Listing

Item Number	Ordering Abbreviation	Linear Ambient Diffuse Lens	Clear Lens	Stairwell/ Passageway Clear Lens	Stairwell/ Passageway Diffuse Lens	Low-Bay Diffuse Lens	Low-Bay Clear Lens	Outdoor Canopy Clear Lens	Outdoor Canopy Diffuse Lens
2ft Vapor Tight									
74530	VAPOR1A/025UNVD840/24EC/GR	PQSP91E8	PSN1FP79					PLDGUGHA5AWM	
74531	VAPOR1A/025UNVD850/24EC/GR	P9UFMJP1	PPUEJ3FK					PLJLIB34EZ50	
74532	VAPOR1B/025UNVD840/24EC/GR/D		PLBOXGMOBHHJ	PLZSC43CSRQF				PLVNDNZSG930	
74533	VAPOR1B/025UNVD850/24EC/GR/D		PL8DCUJOY1VL	PLWHK8GPPCOR					
60074	VAPOR1B/025UNVD840/24EC/GR/E		PLBOXGMOBHHJ						
60075	VAPOR1B/025UNVD850/24EC/GR/E		PL8DCUJOY1VL						
4ft Vapor Tight									
74534	VAPOR1B/020UNVD840/48EC/GR		PL5DXDVCKDJH					PLAWIZZKGIXW	
74535	VAPOR1B/020UNVD850/48EC/GR		PLYZ34VCFSSD					PLW55HD51UAZ	
74536	VAPOR1B/020UNVD840/48EC/GR/D		PL5DXDVCKDJH	PL5HDWS27PWW				PLAWIZZKGIXW	
74537	VAPOR1B/020UNVD850/48EC/GR/D		PLYZ34VCFSSD	PLZ8CGRK3SA9				PLW55HD51UAZ	
60043	VAPOR1B/020UNVD840/48EC/GR/E		PL5DXDVCKDJH					PLAWIZZKGIXW	
60044	VAPOR1B/020UNVD850/48EC/GR/E		PLYZ34VCFSSD					PLW55HD51UAZ	
60045	VAPOR1B/020UNVD840/48EC/GR/DE		PL5DXDVCKDJH	PL5HDWS27PWW				PLAWIZZKGIXW	
60046	VAPOR1B/020UNVD850/48EC/GR/DE		PLYZ34VCFSSD	PLZ8CGRK3SA9				PLW55HD51UAZ	
74376	VAPOR1B/040UNVD840/48EC/GR	PTNPGMPP	PVYCF6UR				PL265J2ZG4BX	PLUJOITUOZDA	PLQUX9HYOK09
74377	VAPOR1B/040UNVD850/48EC/GR	P39VVY2Z	PC3PTT8W				PLGMT90DHZ8X	PLRVP8AZWEQU	PLGD1M97VEV7
74378	VAPOR1B/040UNVD840/48EC/GR/D	PTNPGMPP	PVYCF6UR	PL400DXSACY			PLQA58KMPQMB	PLUJOITUOZDA	PLQUX9HYOK09
74379	VAPOR1B/040UNVD850/48EC/GR/D	P39VVY2Z	PC3PTT8W	PLULT610E924			PLIBALW4B8DL	PLRVP8AZWEQU	PLGD1M97VEV7
74554	VAPOR1B/040UNVD840/48EC/GR/E	PTNPGMPP	PVYCF6UR				PLV9L811KFZM	PLUJOITUOZDA	PLQUX9HYOK09
74555	VAPOR1B/040UNVD850/48EC/GR/E	P39VVY2Z	PC3PTT8W				PLRJST3769ZE	PLB03WXXVIGP0	PLGD1M97VEV7
74556	VAPOR1B/040UNVD840/48EC/GR/DE	PTNPGMPP	PVYCF6UR	PL400DXSACY			PLFBW1Q0WD8P	PLUJOITUOZDA	PLQUX9HYOK09
74557	VAPOR1B/040UNVD850/48EC/GR/DE	P39VVY2Z	PC3PTT8W	PLULT610E924			PLTKXPJYIOU	PLB03WXXVIGP0	PLGD1M97VEV7
74552	VAPOR1A/050HUV840/48EC/GR	PLAXUJH00ID5	PBA4FDDb				PL66NIXPNXPR	PLKHOK1NBLT1	
74553	VAPOR1A/050HUV850/48EC/GR	P39VVY2Z	PQGF9FAQ				PLL90W53U54E	PL9Z93ZLR5S	
60376	VAPOR1B/050HUV840/48EC/GR/D	PL769BDXR5NI	PL08D3SGIWYB	PLOWI6CR773E	PL10TV5DPLQ6		PL0CMVIFJ360	PLZV3VG7B8GP	
60377	VAPOR1B/050HUV850/48EC/GR/D	PL6ZZE5CNQYK	PL08D3SGIWYB	PL3XA5JZCPWU	PLXFXS2MRKRY		PLPROZOK3ORT	PL7UEQORH2VK	
60047	VAPOR2B/040UNVD840/48EC/GR		PLMOUBQCY36H				PLGY7W2TNJYI	PLXB95KFUVQE	
60048	VAPOR2B/040UNVD850/48EC/GR		PLUL4LZW42N				PLZDL7D8MY8I	PLRVP8AZWEQU	
60049	VAPOR2B/040UNVD840/48EC/GR/D		PLMOUBQCY36H	PL4PJ8186SR2			PLYGHMU3R7OF	PLXB95KFUVQE	
60050	VAPOR2B/040UNVD850/48EC/GR/D		PLUL4LZW42N	PL1BBN5V4JD			PLUTO70LBDID	PLRVP8AZWEQU	
8ft Vapor Tight									
60355	VAPOR1B/065UNVD840/96EC/GR		PLIIQO3MOQOU				PLTWGDYINC43	PLIMQKG9HAGW	
60356	VAPOR1B/065UNVD850/96EC/GR		PLKH42XGYH09				PLNE5XXMGINL	PLACBBDXPWQ	
60357	VAPOR1B/065UNVD840/96EC/GR/D		PLIIQO3MOQOU				PLSFVSIHFP2Y	PLF48CNNX83Z	
60358	VAPOR1B/065UNVD850/96EC/GR/D		PLKH42XGYH09				PL5HZTXNZC3J	PLP1CI3MRN25	
60359	VAPOR1B/065UNVD840/96EC/GR/E		PLIIQO3MOQOU				PLI8NK7911JT	PLTVOKS3WXP6	
60360	VAPOR1B/065UNVD850/96EC/GR/E		PLKH42XGYH09				PLCLW12XNS2E	PLLXZJKONCMO	
60361	VAPOR1B/065UNVD840/96EC/GR/DE		PLIIQO3MOQOU				PL3K67AA60L2	PLYNQRFYR7J7	
60362	VAPOR1B/065UNVD850/96EC/GR/DE		PLKH42XGYH09				PL909IRZ96ND	PLZ15FSXNHWA	
60363	VAPOR1B/065HUV840/96EC/GR		PL166QIBJRA6			PL769BDXR5NI	PLN0PAEPUY8X	PLG4EC4T5LAB	
60364	VAPOR1B/065HUV850/96EC/GR	PLRWNMEP2K6U	PLGL81IQF6HR				PL9GS6IJ9DKG	PLIDCV1P205T	PLKZMBA7COTJ
60365	VAPOR1B/065HUV840/96EC/GR/D		PL57Q2PBPPJ9				PLX4ANUU85Q0	PL6QHRFY7RTO	PLRD01Q1LYKN
60366	VAPOR1B/065HUV850/96EC/GR/D	PLSH8WE685V2	PLOP5ZIULB03				PLJ90U17APJ3	PLEN10K5D18	PLPBWJ9S8K0E

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