

PHILIPS Day-Brite CFI

Special Application

VLP7 series linear

Vandal resistant
T8, T5, or T5HO



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

The Philips Day-Brite / Philips CFI VLP7 series linear is a vandal resistant luminaire featuring a marine grade aluminum housing with extruded backplate and die cast end caps.

Ordering guide

Example: **VLP7R232-UNV-F1-1/2-EB**

Family		Ends	No. of Lamps/ Cross Section	Lamp Type ^{4,5}		Voltage		Fasteners		No. of Ballast		Ballast Type		Options	
<div></div>		<div></div>	<div></div>	<div></div> – <div></div>		<div></div> – <div></div>		<div></div> – <div></div>		<div></div> – <div></div>		<div></div> – <div></div>		<div></div>	
VLP7	7" width	S Square	1 One lamp ²	14	14WT5 (24")	UNV	Universal voltage,	F1	Allen Head	1/1	1-lamp ballast	EB	Electronic ballast	E7	B60 emerg. ballast, T8, 600-700 lumens, 120/277V ⁶
TVLP7	7" width tandem (96")	R Round	2 Two lamps	17	17WT8 (24")		120-277V		Center Pin	1/2	2-lamp ballast		<10% THD, T8 instant start	E5	B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV ⁷
			3 Three lamps ³	24HO	24WT5HO (24")	120	120V		Reject	1/3	3-lamp ballast		T5 rapid start	E7LP	LP550 emerg. ballast T5/T5HO, 430-700 lumens, 120/277V ^{6,7}
				28	28WT5 (48")	277	277V	F2	TORX Head Center Pin	1/4	4-lamp ballast	EB10R	Electronic ballast	E6LP	LP600 emerg. ballast U.S. or Canada market, T5/T5HO, 750-1325 lumens, 120/277V ^{6,7}
				32	32WT8 (48")				Reject	2/1	Two 1-lamp ballasts		<10% THD, T8 rapid start	WO	White Opal Polycarbonate Lens
				54HO	54WT5HO (48")	347	347V	SF	Specified fasteners	2/2	Two 2-lamp ballasts	SB	Specified ballast	AG	Agion™ Antimicrobial protection on painted surfaces (white finish only)
										1/21	2-lamp & 1-lamp ballasts			PM	Pendant Mount (Damp location only, 4 ft. or 8 ft. only)
										1/42	4-lamp & 2-lamp ballasts			GLR	Fusing, fast blow
										3/2	Three 2-lamp ballasts			NLF7	7W HPF PL Night Light (4' or 8' only) ^{4,6,7}
														NLEDS	LED Night Light (120V only) ⁷
														RMB	Continuous Row Mount (beginning of row luminaire, includes 1 Joiner Band)
														RMC	Continuous Row Mount (middle of row luminaire, includes 1 Joiner Band)
														RME	Continuous Row Mount (end of row luminaire, only one end cap)
														NSF	NSF listed, Food Zone/Non-Contact & Splash Zone
														BK	Black Finish
														BZ	Bronze Finish
														CS	Custom Color (provide RAL #)
														XTR	Natorium Environments

Accessories (order separately)

- **VLP7CMA2** 7"- 2 ft. Corner Mount Adapter in White Finish (Other finishes available, see ordering information). DRY or DAMP locations only.
- **VLP7CMA4** 7"- 4 ft. Corner Mount Adapter in White Finish (Other finishes available, see ordering information). DRY or DAMP locations only.
- **VLP7CMA8** 7"- 8 ft. Corner Mount Adapter in White Finish (Other finishes available, see ordering info.). DRY or DAMP locations only.
- **JOINERVLP7** 7" Joiner Band for Continuous Row Mounting. (One joiner band needed to join two units in the field.)

Footnotes

- Two 4 foot luminaires are twin cartoned to be joined together in the field.
- One lamp not available in 8ft TVLP7.
- Three lamps only available in T5 or T8.
- Lamps supplied by others.
- Length without end caps. For actual length, see table on back.
- Specify voltage.
- Limited availability in 2ft. Consult factory.

General Notes

- Consult factory for additional configurations.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.



VLP7/TVLP7 VLP7 series linear

Vandal resistant, T8, T5, or T5HO

Standards

- ETL (US/Canada) listing, Wet location.
- NSF2 Food Free Zone/Non-Contact and Splash Zone
- IP55 Rated
- ADA compliant.
- Suitable for Natatorium environments with XTR option.

Construction/Finish

- The housing is constructed of marine grade aluminum with extruded backplate and die cast end caps.
- End caps are available in round or square profiles.
- Stainless steel center pin reject Allen-head fasteners standard. Other fasteners are available.
- Housing and end caps are painted with a high quality semi-gloss polyester powder coat process. Textured white is standard with any RAL color available.

Lens

- Positive interlocking, extruded clear polycarbonate lens with integral linear prisms. High impact polycarbonate material is lighting grade and UV stabilized. Nominal thickness is .125".
- Lens sealed to the housing ends with silicone sponge gasket.

Electrical

- Class P, sound rated A electronic ballasts are standard.
- Optional self-contained emergency ballasts can be incorporated.

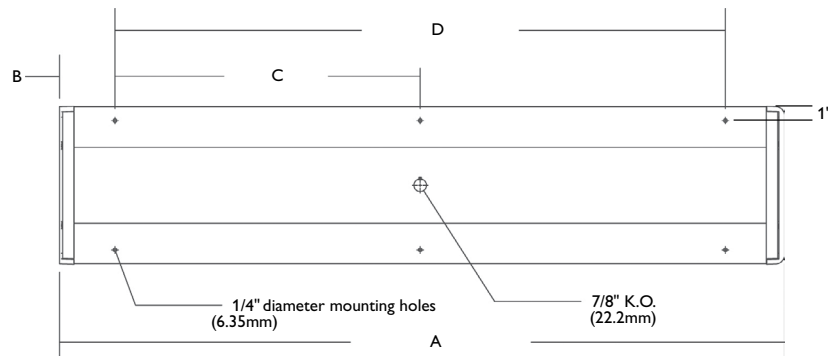
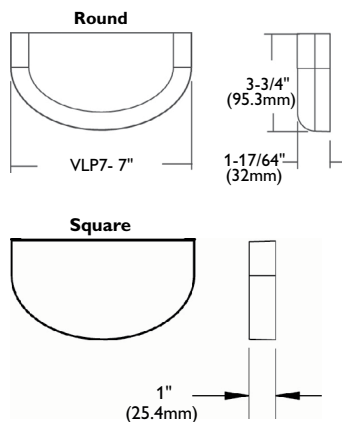
Installation

- Ceiling, Wall, Corner or Pendant mount, single or continuous row options available. Additional hardware is needed for Corner, Pendant and Continuous row installation.

Option

- Agion™ Antimicrobial protection using silver technology inhibits bacterial colonization on metal interior or exterior surfaces. Agion™ antimicrobial is FDA recognized and EPA registered, meeting all applicable EPA standards. Only available with standard white finish.

Dimensions



Luminaire with Square End Caps

Length	A	B	C	D	#Mntg Holes
24"	26.22	3.86	N/A	18.50	4
48"	50.22	3.86	21.25	42.50	6
96"	100.22	3.86	21.25	42.50	12*

Luminaire with Round End Caps

Length	A	B	C	D	#Mntg Holes
24"	26.72	4.11	N/A	18.50	4
48"	50.72	4.11	21.25	42.50	6
96"	100.72	4.11	21.25	42.50	12*

*96" luminaire requires two 48" units connected with a joiner.



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

VLP7/TVLP7 VLP7 series linear

Vandal resistant, T8, T5, or T5HO

Photometry

VLP 2 Lamp T8

Efficiency – 73.1%

LER – 76

TER – 55

Catalog No.	VLP7-232
Test No.	LTL08697
S/MH	1.2
Lamp Type	T8
Lumens/Lamp	2850
Ballast Factor	1.0
Input Watts	55

Light Distribution

Degrees	Lumens	% Lamp	% Luminaire
0-30	782	13.7	18.8
0-40	1303	22.9	31.3
0-60	2435	42.7	58.4
0-90	3632	63.7	87.19
90-120	454	8.0	10.99
90-130	504	8.8	12.19
90-150	533	9.4	12.89
90-180	536	9.4	12.9
0-180	4168	73.1	100.0

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
pw	70	50	30	70	50	30	50	30	
RCR									
0	85	85	85	82	82	82	76	76	
1	76	72	68	73	69	66	64	62	
2	68	62	56	66	60	55	55	51	
3	62	54	48	60	52	46	49	44	
4	57	48	41	54	46	40	43	38	
5	52	42	35	49	40	34	38	32	
6	47	37	30	45	36	30	34	28	
7	44	33	27	42	32	26	30	25	
8	40	30	23	38	29	23	27	22	
9	37	27	21	35	26	20	24	19	
10	34	24	18	33	24	18	22	17	

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

