



KT-VTLED90-8A-8XX-VDIM-P

VAPOR TIGHT FIXTURE

DESCRIPTION

8' 90W LED Vapor Tight Fixture | 120-277V Input | 0-10V Dimming | Premium Series

APPLICATION

Used for commercial and industrial rugged or outdoor applications



10 YEAR
LIMITED WARRANTY



PRODUCT FEATURES

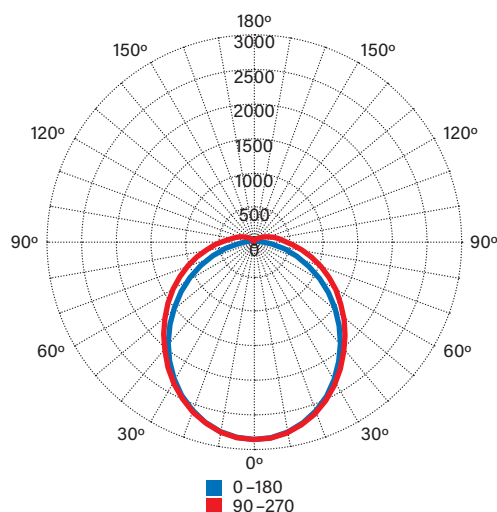
- Traditional design, narrow body, Vapor Tight fixture, suitable for rugged, demanding applications
- Powered by Keystone 120-277V, 0-10V dimming LED driver, 10% minimum
- Smooth, diffused, impact resistant polycarbonate lens provides even lit appearance
- Stainless steel, tamper resistant lens clips (screws not included)
- Includes mounting hardware, cordgrip, and hole plug for out-of-the-box installation
- Compatible with Keystone motion and occupancy sensors, featuring high-end trim and daylight sensing.
- Compatible with Keystone SmartSafe emergency backups, max of 30°C ambient operating temperature with emergency pack installed
- NEMA 4X rated enclosure
- IP66 Ingress Protection
- IK10 Impact Rating
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- LED chip lifetime: L70 >100,000 hours @ 25°C/77°F ambient fixture temperature
- PF: > 0.95
- THD: < 20%
- UL Certified for Wet Locations
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone)
- DesignLights Consortium® (DLC) qualified product. Not all product variations listed on this page are DLC premium. Visit <https://qpl.designlights.com> to confirm if the product meets the DLC Standard or Premium designation

PRODUCT SPECIFICATIONS

Catalog Number	Color Temperature	Nominal Length	Input Voltage	Wattage	CRI	Lumen Output	Efficacy
KT-VTLED90-8A-840-VDIM-P	4000K	8 ft.	120-277V	90W	> 82.0	11,520	128 lm/W
KT-VTLED90-8A-850-VDIM-P	5000K	8 ft.	120-277V	90W	> 82.0	11,700	130 lm/W

PHOTOMETRIC SPECIFICATIONS

LUMINOUS INTENSITY DISTRIBUTION



ZONAL LUMEN SUMMARY*

Zone	Flux (Lumens)	% Luminaire	Zone	Flux (Lumens)	% Luminaire
0-20	1,372.13 lm	11.80%	60-80	2,293.46 lm	19.80%
0-30	2,886.53 lm	24.90%	70-80	934.02 lm	8.10%
0-40	4,680.60 lm	40.40%	80-90	519.55 lm	4.50%
0-60	8,203.60 lm	70.70%	90-110	437.04 lm	3.80%
0-80	10,497.06 lm	90.50%	90-120	514.97 lm	4.40%
0-90	11,016.61 lm	95.00%	90-130	546.88 lm	4.70%
10-90	10,659.29 lm	91.90%	90-150	568.25 lm	4.90%
20-40	3,308.48 lm	28.50%	90-180	582.18 lm	5.00%
20-50	5,149.42 lm	44.40%	110-180	145.14	1.30%
40-70	4,882.44 lm	42.10%	0-180	11,598.79	100.00%

* Calculated



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ACCESSORIES

SENSORS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/MW3	KTS-MW3-UV-KO-K2*	Microwave Multifunction Occupancy/Daylight Sensor Kit, Includes 120-277V input to 12V DC convertor, IP65 12V input sensor head, nomex sleeve, extension neck	843654134352	TBV-76



Microwave Sensor Kit
KTS-MW3-UV-KO-K2

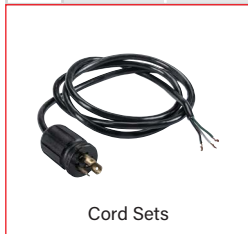
* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

* When using this sensor the fixture will not turn off completely. Will go to 10% dim level as the lowest setting.

CORD SETS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/515P6	KT-CS-515P-6-18/3	Cord set for high bay; 125V NEMA 5-15P; straight blade plug; 6' SJTOW cable; 18/3 wire	843654140124	UKH-26
	/L715P10	KT-CS-L715P-10-16/3	Cord set for high bays; 277V NEMA L7-15P; twist lock plug; 10' SJTOW cable; 16/3 wire	843654140131	SFV-88
	/L615P10	KT-CS-L615P-10-16/3	Cord set for high bays; 250V NEMA L6-15P; twist lock plug; 10' SJTOW cable; 16/3 wire	843654140148	ZQS-05
	/L515P10	KT-CS-L515P-10-16/3	Cord set for high bays; 125V NEMA L5-15P; twist lock plug; 10' SJTOW cable; 16/3 wire	843654140155	GVH-22
	/L715P6	KT-CS-L715P-6-16/3	Cord set for high bays; 277V NEMA L7-15P; twist lock plug; 6' SJTOW cable; 16/3 wire	843654140162	DVU-44
	/L615P6	KT-CS-L615P-6-16/3	Cord set for high bays; 250V NEMA L6-15P; twist lock plug; 6' SJTOW cable; 16/3 wire	843654140179	LCW-66
	/L515P6	KT-CS-L515P-6-16/3	Cord set for high bays; 125V NEMA L5-15P; twist lock plug; 6' SJTOW cable; 16/3 wire	843654140186	POC-82
	/NP10	KT-CS-NP-10-16/3	Cord for high bays; no plug; inners 1/2" strip on both ends; 10' SJTOW cable; 16/3 wire	843654140193	YOH-90
	/NP6	KT-CS-NP-6-16/3	Cord for high bays; no plug; inners 1/2" strip on both ends; 6' SJTOW cable; 16/3 wire	843654140216	HUB-73
	/NP15	KT-CS-NP-15-16/3	Cord for high bays; no plug; inners 1/2" strip on both ends; 15' SJTOW cable; 16/3 wire	843654140209	EYD-18



Cord Sets

* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

Note: For cord sets not listed here, please contact your Keystone sales rep.

(Accessories continued on next page)



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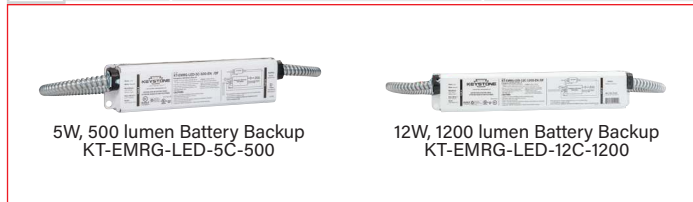
VAPOR TIGHT FIXTURE

ACCESSORIES (continued)

EMERGENCY BACKUP

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/EM5	KT-EMRG-LED-5C-500	5W, 500 lumen Smart Safe emergency backup	843654103099	JTR-48
	/EM12	KT-EMRG-LED-12C-1200	12W, 1200 lumen Smart Safe emergency backup	843654103112	OJQ-32



* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).
 † Factory installation of emergency backup units will automatically include any relevant mounting bracket.

MOUNTS AND BRACKETS

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-VTLED-45SM-1-KIT	45° steel surface mount kit for all Keystone vapor tight fixtures	843654123455	JDN-49
KT-VTLED-TPSCREW-KIT	Screws for tamper-proofing vapor tight fixtures. Includes 14 screws	NA	NA



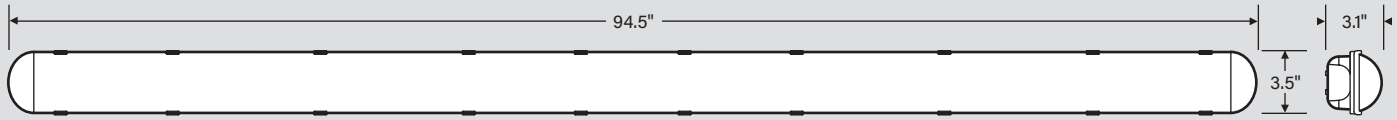
(Accessories continued on next page)



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PHYSICAL SPECIFICATIONS



ORDERING INFORMATION

CATALOG NUMBER	PACK QUANTITY	UPC	EASY CODE	DLC PRODUCT ID
KT-VTLED90-8A-840-VDIM-P-CP	4	843654122236	UFQ-24	PGDB0NAS
				PCCS0V7B
KT-VTLED90-8A-850-VDIM-P-CP	4	843654122243	ZQM-57	PJVG1NIG
				P4RYG7BB

CATALOG NUMBER BREAKDOWN

KT-VTLED90-8A-8XX-VDIM-P

1	2	3	4	5	6	7	8	9	10
1 Keystone Technologies	2 Vapor Tight LED Fixture	3 Wattage	4 8' Nominal Length	5 Lamp Type	6 80 CRI	7 Color Temperature	8 0-10V Dimming	9 Premium Series	10 Sensor Options
								No Option	
							/MW3	Microwave Sensor Included	

ORDERING EXAMPLES

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

KT-VTLED90-8A-8XX-VDIM-P/MW3/NP10/EM5

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

KT-VTLED90-8A-8XX-VDIM-P/MW3/EM5

FIXTURE WITH TWO FACTORY-INSTALLED ACCESSORIES*

KT-VTLED90-8A-8XX-VDIM-P/MW3/NP10

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-VTLED90-8A-8XX-VDIM-P/MW3

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-VTLED90-8A-8XX-VDIM-P

KEYSTONE FIXTURE	
CATALOG NUMBER	KT-VTLED90-8A-8XX-VDIM-P

SENSORS	
SUFFIX	CATALOG NUMBER
✓ /MW3	KTS-MW3-UV-KO-K2

CORD SETS	
SUFFIX	CATALOG NUMBER
✓ /NP10	KT-CS-NP-10-16/3

EMERGENCY BACKUP	
SUFFIX	CATALOG NUMBER
✓ /EM5	KT-EMRG-LED-5C-500

* When ordering more than one factory-installed accessory, use multiple suffixes as shown in the ordering examples above.
 Note: All accessories can also be ordered separately for field installation using just their regular Catalog Number, UPC, or Easy Code.