



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



PRODUCT FEATURES

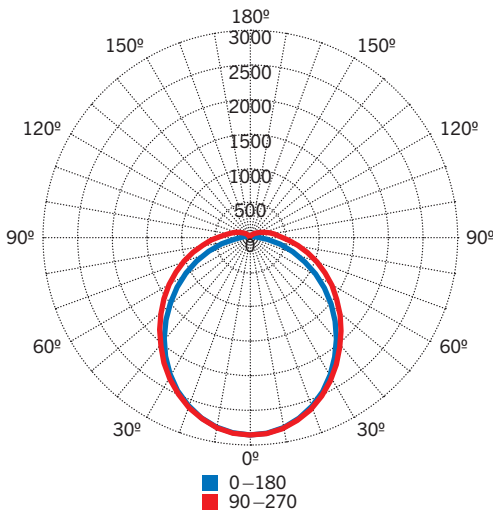
- Traditional design, narrow body, Vapor Tight fixture, suitable for rugged, demanding applications
- Powered by Keystone 0–10V dimming LED drivers
- IP65, suitable for wet location
- Smooth, diffused lens for even appearance
- Stainless steel lens clips
- 0–10V dimming, 10% minimum
- Compatible with Keystone SmartSafe emergency backups
- Ambient operating temperature: –20°C/–4°F to 50°C/122°F
- NEMA 4X rated, protected against corrosion
- Impact resistance rating: IK10
- UL Listed 1598: Suitable for dry and damp locations
- THD: < 20%
- PF: > 0.95
- LED chip lifetime: L70 >100,000 hours @ 25°C/77°F ambient fixture temperature
- Includes mounting hardware
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone)

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

* Calculated



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VAPOR TIGHT FIXTURE

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 Sensor Kit, Includes 120-277V input to 12V DC convertor, IP65 12V input sensor head, nomex sleeve, extension neck	843654134352	TBV-76



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

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; 250V 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; 250V 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



* 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



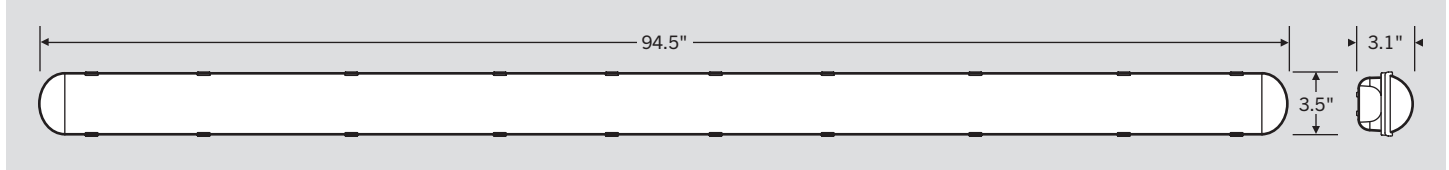
(Accessories continued on next page)



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VAPOR TIGHT FIXTURE

PHYSICAL SPECIFICATIONS



ORDERING INFORMATION

Catalog Number	Pack Quantity	UPC	Easy Code
KT-VTLED90-8A-840-VDIM-P-CP	4	843654122236	UFQ-24
KT-VTLED90-8A-850-VDIM-P-CP	4	843654122243	ZQM-57

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
							/MW3		No Option Microwave Sensor Included

ORDERING EXAMPLES

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

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

FIXTURE WITH MULTIPLE FACTORY-INSTALLED ACCESSORIES*

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

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

MOUNTS AND BRACKETS	
✓ SUFFIX	CATALOG NUMBER
/TPSCREW	KT-VTLED-TPSCREW-KIT

* 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.