KURTZON
SPECIFICATION GRADE LIGHTING
ILLUMINATING YOUR WORLD

Wet Location **Vaportight: WL-SEG-780-LED**

Wet Location 7" x 8' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

- -   **IP65 / IP66 / IP67**
- -   **1500 PSI hosedown**
- -   **UL 1598 Wet Location**
- -   **Marine grade 316 stainless steel latches & Mounting brackets**
- -   **Nema4X**
- -   **UL 5VA Rated (will not melt or burn)**
- -   **Polycarbonate Lens: Clear / Frosted**
- -   **B.A.A. & B.A.B.A Compliant & Made in the USA by a Family Owned US Corporation**

ORDERING GUIDE

Series	Lumen Package	CCT/CRI	Optics	Voltage	Controls	Mounting (Not Required)	Sensors (Not Required)	Options
WL-SEG-780								

Series	Lumen Package	CCT/CRI	Optics	Voltage	Controls	Mounting (Not Required)	Sensors	Options
WL-SEG-780	**1L0** 1 Row of Low Flux LED's	**83 CRI:**	**CP** Clear Polycarbonate	**UNV** (120-277 Vac)	**DIM1** 0-10V 1%	**CMH** Chain Mtg Hooks	**OCC MW** Microwave Occ Sensor (Internal 32' MAX)	**PxW** * Program to Specified Wattage (Replace X with Watts)
	2L0 2 Rows of Low Flux LED's	**830** 3000K	**FP** Frost Polycarbonate	**HV** (347-480 Vac)	**DIM5** 0-10V 5%	**MB45** 45° Mtg Bracket	**OCC HB** Highbay Occ Sensor (End Mount 20'-40')	**PxL** * Program to Specified Lumens (Replace X with Lumens)
	2HI 2 Rows of High Flux LED's	**835** 3500K			**DALI** DALI 1%		**OCC LB** Lowbay Occ Sensor (End Mount 8'-10')	**10KV** 10kV Surge Protection (one per specified circuit)
		840 4000K			**LUTRON** (Specify Type)		**DL/OCC HB** Daylight & Highbay Occ Sensor (End Mount 40' MAX)	**3WP** 3 Wire Cord W/Plug must provide specs.
		850 5000K			**2/ED** 2 Circuits		**DL/OCC LB** Daylight & Lowbay Occ Sensor (End Mount 8' MAX)	**WHIP** Flex whip installed must provide specs
					D2OFF 0-10V 1% Dim To Off		**OTHERS** Must Specify	**EM10** 10W Integral Emergency Driver (Specify Voltage & Switching)
		90+ CRI:			**OTHER** (Must Specify)			**FF** Fuse & Fuse Holder (One per Specified Circuit)
		935 3500K						
		940 4000K						
		950 5000K						

Ordering Notes, If Applicable

Wet Location **Vaportight: WL-SEG-780-LED**

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SPECIFICATIONS

HOUSING: Injection molded, .125" thick Hole Free White Fiberglass body with a 5VA Flame Rating

OPTICS: Injection molded heavy gauge smooth or ribbed polycarbonate material available clear or frosted.

REFLECTOR: Standard (92%) High Reflectance white 22 gauge metal. Formed wiring cover for rigidity. Removable without tools or screws.

GASKETS: One piece urethane extruded foam with smooth surface.

LATCHES: Fourteen (14) 316 Stainless Steel over-center latches secure lens to housing

MOUNTING: Provided with (2) mounting brackets for suspending (cables by others). See mounting options for other configurations.

LEDS: Commercially available in a wide variety of Color Temperature (CCT), FLUX, and CRI. Highly efficient and consistent color maintained to 3 SDMC for color critical applications. B50/L70 and compliant with Zhaga recognized hole patterns. Consult factory for LED options or configurations not listed below.
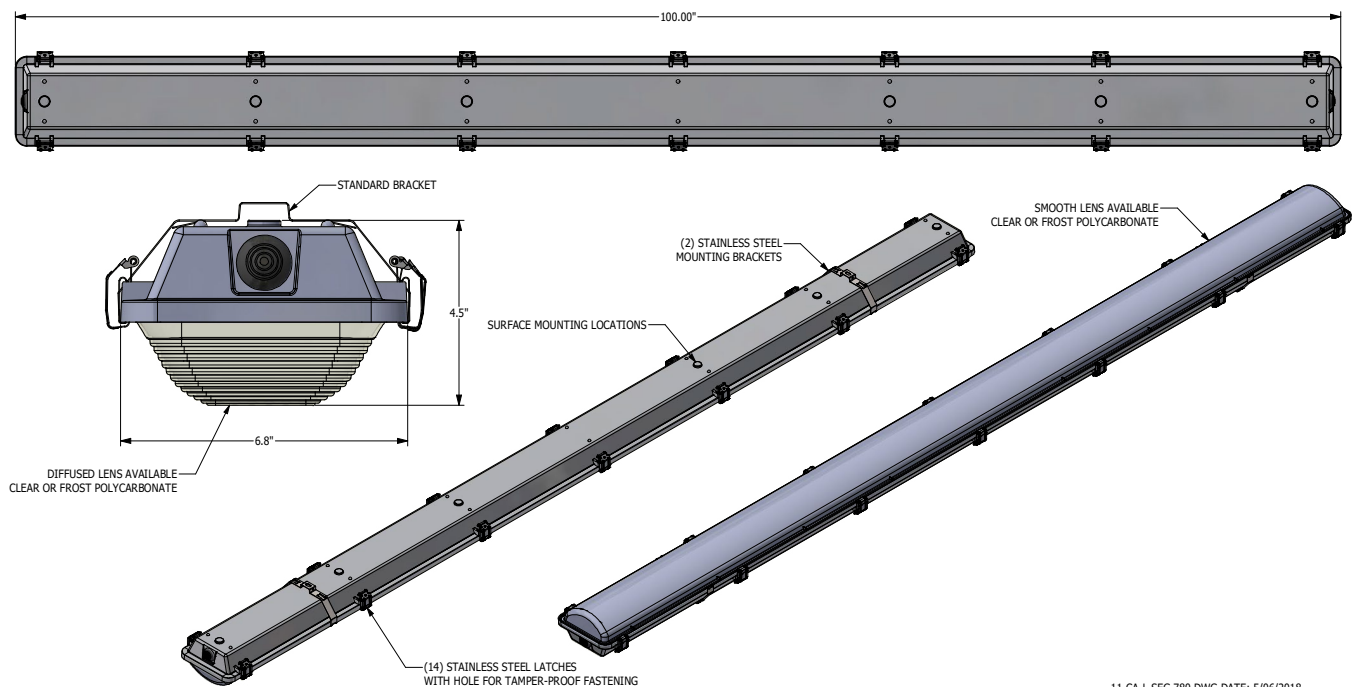
DRIVERS: Standard Universal Voltage Class 2 drivers are 0-10v Dimmable to 1%. They come with at least 2.5Kv surge protection, have less than 10% THD at max load, Ballast Factor Greater than .95 and are programmable to match specific lumen or wattage requirements. Drivers with higher input voltage ratings are available, consult factory for driver specifications.

INSTALLATION: Suitable for surface or suspended installation onto or under covered ceilings. Two sealed 1/2" trade size conduit entry points located at ends. See options for pre-wired whips or cords.

LISTINGS: IP67 rated for dust and water ingress. Suitable for 1500 PSI high pressure hosedowns. UL listed per UL_1598 for wet locations. Nema 4x rated Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty. This product Series is both Build America Buy America (B.A.B.A.) & Buy American Act (B.A.A.) compliant.

PRODUCT DRAWINGS

SEG 780 REFERENCE DIMENSIONS

100.00"

STANDARD BRACKET

SMOOTH LENS AVAILABLE CLEAR OR FROST POLYCARBONATE

(2) STAINLESS STEEL MOUNTING BRACKETS

4.5"

SURFACE MOUNTING LOCATIONS

6.8"

DIFFUSED LENS AVAILABLE CLEAR OR FROST POLYCARBONATE

(14) STAINLESS STEEL LATCHES WITH HOLE FOR TAMPER-PROOF FASTENING

11-CA-L-SEG 780 DWG DATE: 5/06/2018

Wet Location **Vaportight: WL-SEG-780-LED**

Wet Location 7" x 8' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

ENERGY DATA

STD SEG 780 (APROX[1] DELIVERED LUMENS)												
ENCLOSURE SIZE	LED PACKAGE	DIMMING SELECTION	CRI	CLEAR LENS			FROST LENS			AMBIENT TEMP		
				LUMENS[1]	WATTS[2]	EFFICACY[3] (Lm/W)	LUMENS[1]	WATTS[2]	EFFICACY[3] (Lm/W)	MINIMUM	MAXIMUM[4]	
780	1 LO	0-10V 1%	83	3,890	55	71	3,490	55	63	-20°C (-4°F)	35°C (95°F)	
780	1 LO	0-10V 5%	83	3,890	55	71	3,490	55	63	-20°C (-4°F)	40°C (104°F)	
780	1 LO	0-10V 1%	90+	3,750	55	68	3,370	55	61	-20°C (-4°F)	35°C (95°F)	
780	1 LO	0-10V 5%	90+	3,750	55	68	3,370	55	61	-20°C (-4°F)	40°C (104°F)	
780	2 LO	0-10V 1%	83	7,788	110	71	6,983	110	63	-20°C (-4°F)	35°C (95°F)	
780	2 LO	0-10V 5%	83	7,788	110	142	6,983	110	127	-20°C (-4°F)	40°C (104°F)	
780	2 LO	0-10V 1%	90+	7,506	110	68	6,745	110	61	-20°C (-4°F)	35°C (95°F)	
780	2 LO	0-10V 5%	90+	7,506	110	136	6,745	110	123	-20°C (-4°F)	40°C (104°F)	
780	2 HI	0-10V 1%	83	34,255	260	132	30,480	260	117	-20°C (-4°F)	30°C (86°F)	
780	2 HI	0-10V 5%	83	34,255	260	132	30,480	260	117	-40°C (-40°F)	40°C (104°F)	
780	2 HI	0-10V 1%	90+	25,700	260	99	22,868	260	88	-20°C (-4°F)	30°C (86°F)	
780	2 HI	0-10V 5%	90+	25,700	260	99	22,868	260	88	-40°C (-40°F)	35°C (95°F)	
780	EM10[5]	NA	NA	1000-1300	4	NA	870-1130	4	NA	0°C (32°F)	35°C (95°F)	

[1] DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @25C WITH NO EXTRA OPTIONS. VARIANCES WILL OCCUR WHEN OPTIONS ARE CHOSEN

[2] WATTAGE IS MEASURED WITH 4000K SELECTION @ 120vAC AND Tambient = 25C. WATTAGES MAY VARY WITH ALTERNATE CONFIGURATIONS
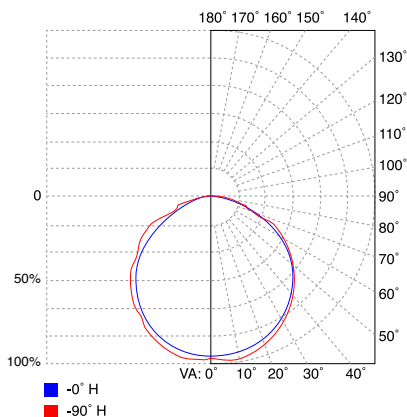
[3] EFFICACY CALCULATED USING 4000K CCT DATA.

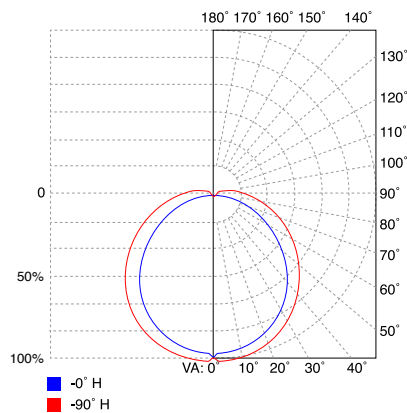[4] TEMP RATING MAY VARY WITH SPECIFIED DRIVERS OR ANY NON STANDARD SELECTION

[5] 90 MINUTE 10W EMERGENCY DRIVER; LUMENS CALCULATED BASED ON FIXTURE EFFICACY. (EX: 10W x 100Lm/W = 1000Lm Delivered)

PHOTOMETRICS

CP Optics

FP Optics

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Wet Location **Vaportight: WL-SEG-780-LED**

Wet Location 7" x 8' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

MOUNTING OPTIONS

STANDARD BRACKET
4.5"
72.00"

CMH BRACKET OPTION
72.00"

MB45 BRACKET OPTION
72.00"

DESCRIPTION:	SEG-780 MOUNTING OPTIONS	SHEET: 1
		DATE: 5/5/2025