KURTZON
SPECIFICATION GRADE LIGHTING
ILLUMINATING YOUR WORLD

PROJECT

DATE   TYPE

NOTES

REV: 3/7/2018

Vandal Location **Vaportight**

Vandal Location 15" x 2' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

-    **High Lumen Packages, up to 20,200Lm Delivered**
-    **Ambient operating temps as Low as -40C(-40F) and as High as +45C(+113F) (Temps Vary by Configuration. Verify in Energy Data Section)**
-    **IP65 / IP66 / IP69 / (Optional 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**
-    **10 Year warranty**
-    **Made in USA**

5/10 YEAR WARRANTY   **UL**   **IP65** IEC 60529   **IP66** IEC 60529   **IP67** IEC 60529 OPTIONAL   **IP69** IEC 60529   **NEMA 4X**   **5VA**

ORDERING GUIDE

Series	Lumen Package	CCT	Lens	Voltage	Controls	Mounting	Sensors	Options
WL-SEG-1520						**TPL**		

1-SERIES	2 - LUMEN PACKAGE	3 - CCT	4 - LENS	6 - CONTROLS	8 - SENSORS (Not Required)
WL-SEG-1520	**2LO:** 2 Rows of Low Flux LED's	**83 CRI:**	**CP:** Clear Polycarbonate	**DIM1:** 0-10V 1%	**OCC MW:** Microwave Occ Sensor (Internal 32' MAX)
	3LO: 3 Rows of Low Flux LED's	**830 =** 3000K CCT	**FP:** Frost Polycarbonate	**DIM5:** 0-10V 5%	**OCC HB:** Highbay Occ Sensor (End Mount 20'-40')
	4LO: 4 Rows of Low Flux LED's	**835 =** 3500K CCT		**DALI:** DALI 1%	**OCC LB:** Lowbay Occ Sensor (End Mount 8'-10')
	6LO: 6 Rows of Low Flux LED's	**840 =** 4000K CCT		**2/ED:** 2 Circuits	**DL/OCC HB:** Daylight & Highbay Occ Sensor (End Mount 40' MAX)
	2HI: 2 Rows of High Flux LED's	**850 =** 5000K CCT		**LUTRON:** (Specify Type)	**DL/OCC LB:** Daylight & Lowbay Occ Sensor (End Mount 8' MAX)
	4HI: 4 Rows of High Flux LED's		**5 - VOLTAGE**	**OTHER:** (Must Specify)	**OTHERS:** Must Specify
			UNV: (120-277 Vac)		
		90+ CRI:	**HV:** (347-480 Vac)	**7 - MOUNTING**	**9 - OPTIONS (Not Required)**
		935 = 3500K CCT		**V-Hook:** Mounting Hooks	**PXW:** Program to Specified Wattage (Replace X with Watts)
		940 = 4000K CCT		**RMB:** Rigid Mtg Beam	**PXL:** Program to Specified Lumens (Replace X with Lumens)
		Not available in "HI" lumen package		**SMB:** Surface Mtg Bracket	**10kV:** 10kV Surge Protection (one per specified circuit)
				FMB: Flex Mtg Bracket	**3WC:** 3 Wire Cord With Plug (Must Provide Specs)
				SCM: Single Conduit Stem	**WHIP:** Flex Whip Installed (Must Provide Specs)
				TPL: Tamperproof Latches**	**EM10:** 10W Integral Emergency Driver (Specify Voltage & Switching)
				** must select	**FF:** Fuse & Fuse Holder (One per Specified Circuit)
					IP67: Optional IP67 Rating

Vandal Location **Vaportight**

Vandal Location 15" x 2' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

SPECIFICATIONS

HOUSING: Injection molded, .125" thick Hole Free White Fiberglass body with sloped top Surface to prevent water accumulation. 5VA Flame Rating

LENS: Injection molded Heavy gauge Clear or Frosted Polycarbonate. Secured by Captive Stainless Steel cables.

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: Ten (10) 316 Stainless Steel over-center latches secure lens to housing. Latches are secured closed with #6 Tamperproof screws. Provided separate.

MOUNTING: Provided with (4) 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.
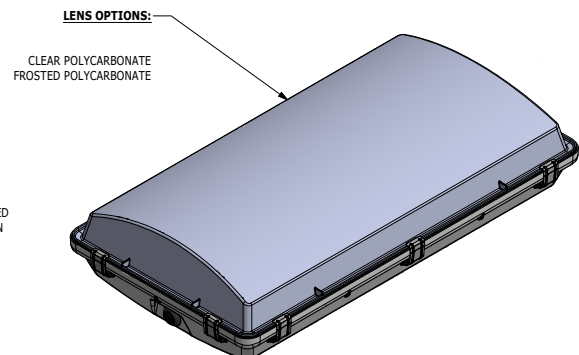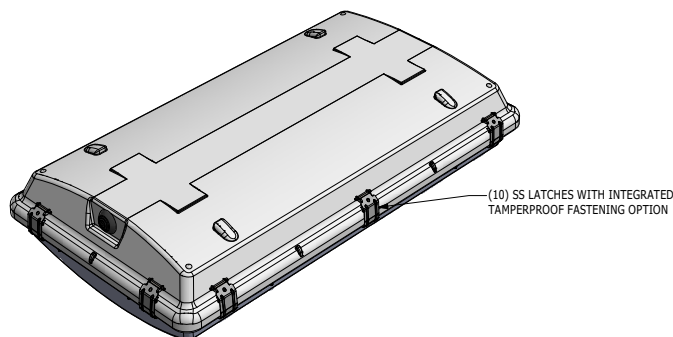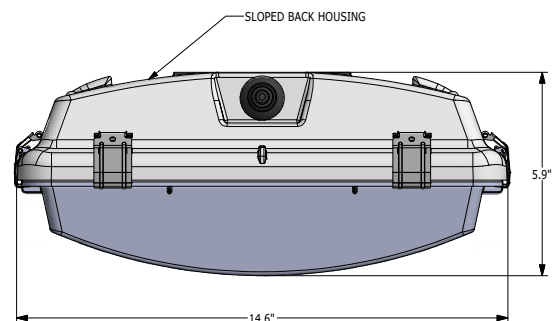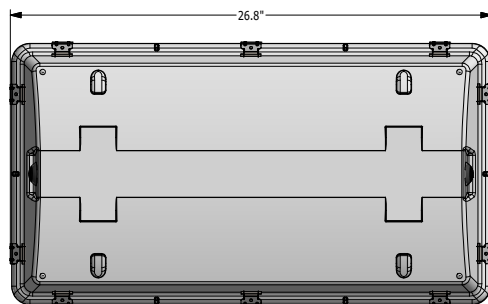
DRIVERS: Standard Universal Voltage Class 2 drivers are 0-10v Dimmable to 1% for most LED configurations. They come with at least 2.5Kv surge protection, have less than 10% THD at max load, Ballast Factor Greater than .95 and are programmable to match specific lumen or wattage requirements. Drivers with higher input voltage ratings are available, consult factory for driver specifications.

INSTALLATION: Two sealed 1/2 inch trade size conduit entry points located at each end. See options for pre-wired whips or cords.

LISTINGS: IP69 rated for dust and water ingress. Optionally rated to IP67. 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.

PRODUCT DRAWINGS

SEG 1520 REFERENCE DIMENSIONS

26.8"

SLOPED BACK HOUSING

5.9"

14.6"

LENS OPTIONS:
CLEAR POLYCARBONATE
FROSTED POLYCARBONATE

(10) SS LATCHES WITH INTEGRATED TAMPERPROOF FASTENING OPTION

11-BA-L-SEG 1520 DWG DATE: 4/12/2017

Vandal Location **Vaportight**

Vandal Location 15" x 2' Linear Vaportight LED Luminaire for Surface or Pendant Mounting
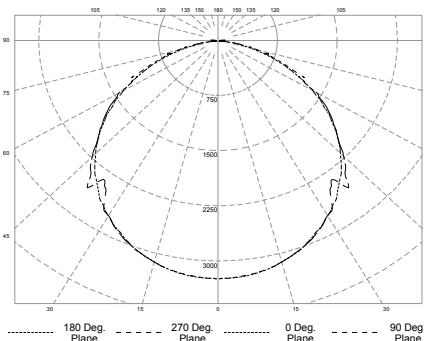
ENERGY DATA

				STD SEG 1520 (APROX¹ DELIVERED LUMENS)							
				CLEAR LENS			FROST LENS			AMBIENT TEMP	
ENCLOSURE SIZE	LED PACKAGE	CRI	DIMMING SELECTION	LUMENS¹	WATTS²	EFFICACY³ (Lm/W)	LUMENS¹	WATTS²	EFFICACY³ (Lm/W)	MINIMUM	MAXIMUM⁴
1520	2 LO	83	0-10V 1%	3,560	28	127	3,097	28	111	-20°C (-4°F)	40°C (104°F)
1520	2 LO	83	0-10V 5%	3,560	28	127	3,097	28	111	-20°C (-4°F)	40°C (104°F)
1520	2 LO	90+	0-10V 1%	3,120	28	111	2,714	28	97	-20°C (-4°F)	40°C (104°F)
1520	2 LO	90+	0-10V 5%	3,120	28	111	2,714	28	97	-20°C (-4°F)	40°C (104°F)
1520	3 LO	83	0-10V 1%	5,340	40	134	4,646	40	116	-20°C (-4°F)	40°C (104°F)
1520	3 LO	83	0-10V 5%	5,340	40	134	4,646	40	116	-20°C (-4°F)	40°C (104°F)
1520	3 LO	90+	0-10V 1%	4,680	40	117	4,072	40	102	-20°C (-4°F)	40°C (104°F)
1520	3 LO	90+	0-10V 5%	4,680	40	117	4,072	40	102	-20°C (-4°F)	40°C (104°F)
1520	4 LO	83	0-10V 1%	7,120	54	132	6,194	54	115	-20°C (-4°F)	40°C (104°F)
1520	4 LO	83	0-10V 5%	7,120	54	132	6,194	54	115	-20°C (-4°F)	40°C (104°F)
1520	4 LO	90+	0-10V 1%	6,240	54	116	5,429	54	101	-20°C (-4°F)	40°C (104°F)
1520	4 LO	90+	0-10V 5%	6,240	54	116	5,429	54	101	-20°C (-4°F)	40°C (104°F)
1520	6 LO	83	0-10V 1%	11,410	82	139	9,927	82	121	-20°C (-4°F)	40°C (104°F)
1520	6 LO	83	0-10V 5%	11,410	82	139	9,927	82	121	-20°C (-4°F)	40°C (104°F)
1520	6 LO	90+	0-10V 1%	9,367	82	114	8,149	82	99	-20°C (-4°F)	40°C (104°F)
1520	6 LO	90+	0-10V 5%	9,367	82	114	8,149	82	99	-20°C (-4°F)	40°C (104°F)
1520	2 HI	83	0-10V 1%	9,150	70	131	7,961	70	114	-20°C (-4°F)	35°C (95°F)
1520	2 HI	83	0-10V 5%	10,000	78	128	8,700	78	112	-40°C (-40°F)	45°C (113°F)
1520	4 HI	83	0-10V 1%	18,500	135	137	16,095	135	119	-20°C (-4°F)	35°C (95°F)
1520	4 HI	83	0-10V 5%	20,230	151	134	17,600	151	117	-40°C (-40°F)	40°C (104°F)
1520	EM10⁵	NA	NA	1100-1390	4	NA	970-1210	4	NA	0°C (32°F)	35°C (95°F)

¹ DELIVERED LUMEN DATA IS EXTRPOLATED 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)
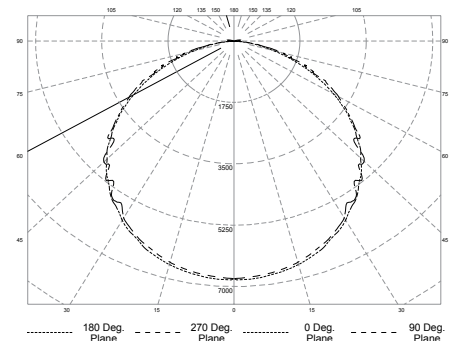
PHOTOMETRICS

WL-SEG-1520-6LO940-CP-UNV-DIM1

Report No: 11624894.14

Total Lumens: 9,367

Wattage: 82.33

Efficacy: 113.8 (Lumens Per Watt)

Fixture Size: 15"x2'
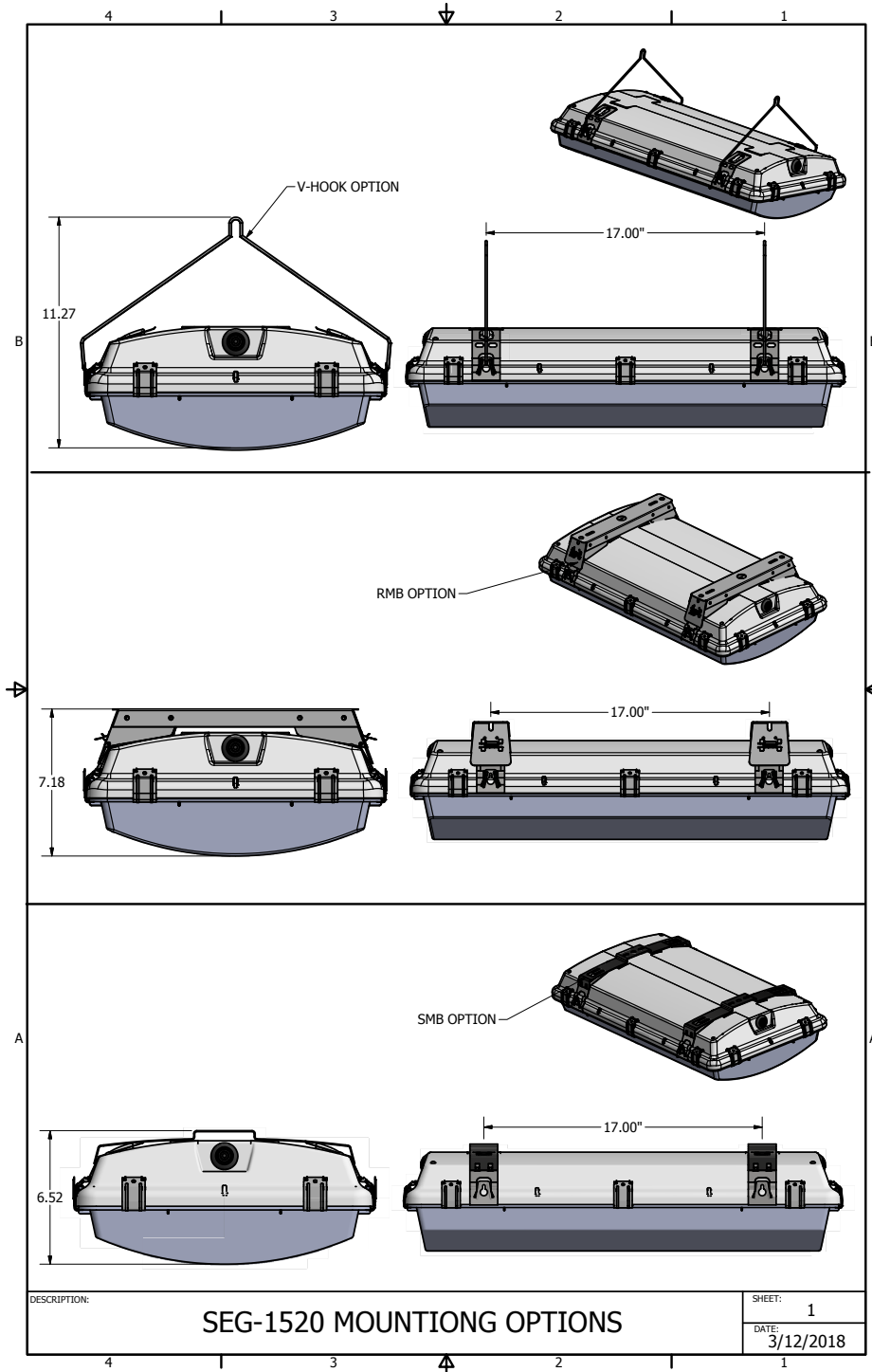

WL-SEG-1520-4HI840-CP-UNV-DIM5

Report No: 11624894.13

Total Lumens: 20,230

Wattage: 150.9

Efficacy: 134.1 (Lumens Per Watt)

Fixture Size: 15"x2'

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MOUNTING OPTIONS

V-HOOK OPTION

11.27

17.00"

RMB OPTION

7.18

17.00"

SMB OPTION

6.52

17.00"

| DESCRIPTION: | SHEET: | 1 |
| SEG-1520 MOUNTIONG OPTIONS | DATE: 3/12/2018 | |

Vandal Location **Vaportight**

Vandal Location 15" x 2' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

MOUNTING OPTIONS

FMB OPTION

17.00

6.83

SCM OPTION
STEMS BY OTHERS

3/4" HUB
FACTORY INSTALLED

DETAIL A

A

DESCRIPTION:	SEG-1520 MOUNTIONG OPTIONS	SHEET: 2
		DATE: 3/12/2018