KURTZON
SPECIFICATION GRADE LIGHTING
ILLUMINATING YOUR WORLD

PROJECT

DATE   TYPE

NOTES

REV: 01/14/2025

Food Processing **Vaportight: FP-SEG-740-LED**

Food Processing 7" x 4' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

- **High Lumen Packages, up to 19,200Lm Delivered**
- **Ambient operating temps as Low as -40C(-40F) and as High as +40C(+104F) (Temps Vary by Configuration. Verify in Energy Data Section)**
- **NSF2 Listed for Non-Food, Splash, and Food Zone Non-Contact**
- **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**

K 5/10 YEAR WARRANTY · **NSF** · **UL** · **IP65** IEC 60529 · **IP66** IEC 60529 · **IP67** IEC 60529 · **NEMA 4X** · **5VA** · **BAA COMPLIANT** · **BABA COMPLIANT**

ORDERING GUIDE

Series	Lumen Package	CCT/CRI	Optics	Voltage	Controls	Mounting (Not Required)	Sensors (Not Required)	Options
FP-SEG-740								

Series	Lumen Package	CCT/CRI	Optics	Voltage	Controls	Mounting (Not Required)	Sensors	Options
FP-SEG-740	**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	**CPD** Diffused Clear Poly		**DALI** DALI 1%	**SCM** Single Conduit Stem	**OCC LB** Lowbay Occ Sensor (End Mount 8'-10')	**10KV** 10kV Surge Protection (one per specified circuit)
		840 4000K	**FPD** Diffused Frost Poly		**LUTRON** (Specify Type)	**DCM** Dual Conduit Stem	**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
					OTHER (Must Specify)		**OTHERS** Must Specify	**EM10** ** 10W Integral Emergency Driver (Specify Voltage & Switching)
		90+ CRI:						**FF** Fuse & Fuse Holder (One per Specified Circuit)
		935 3500K						
		940 4000K						**EM10 not available when both 2HI & DIM1 options are selected.

Ordering Notes, If Applicable

Food Processing **Vaportight: FP-SEG-740-LED**

Food Processing 7" x 4' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

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: Eight (8) 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.
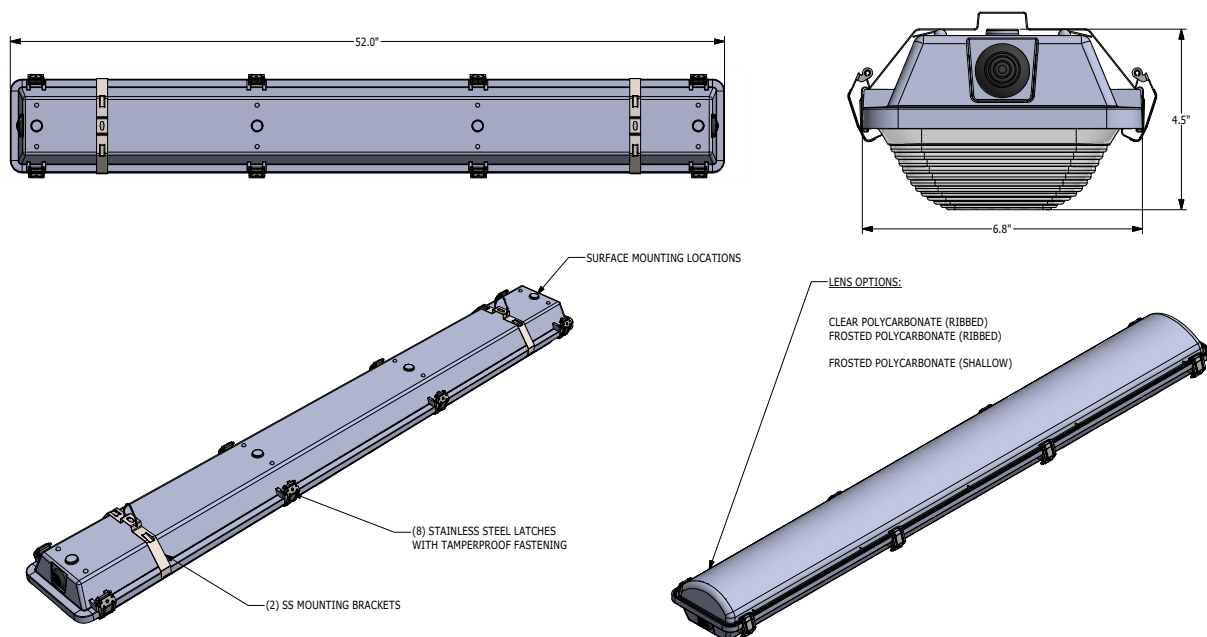
DRIVERS: Standard Universal Voltage Class 2 drivers are 0-10v Dimmable to 1% for most LED configurations. They come with at least 2.5Kv surge protection, have less than 10% THD at max load, Ballast Factor Greater than .95 and are programmable to match specific lumen or wattage requirements. Drivers with higher input voltage ratings are available, consult factory for driver specifications.

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

LISTINGS: NSF2 Listed for Non-Food, Splash, and Food Zone Non-Contact. 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 740 REFERENCE DIMENSIONS

52.0"

4.5"

6.8"

SURFACE MOUNTING LOCATIONS

LENS OPTIONS:

CLEAR POLYCARBONATE (RIBBED)
FROSTED POLYCARBONATE (RIBBED)

FROSTED POLYCARBONATE (SHALLOW)

(8) STAINLESS STEEL LATCHES
WITH TAMPERPROOF FASTENING

(2) SS MOUNTING BRACKETS

11-CA-L-SEG 740 DWG DATE: 4/18/2017

Food Processing **Vaportight: FP-SEG-740-LED**

Food Processing 7" x 4' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

ENERGY DATA

STD SEG 740 (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]
740	1 LO	0-10V 1%	83	3,890	29	134	3,490	29	120	-20°C (-4°F)	35°C (95°F)
740	1 LO	0-10V 5%	83	3,890	29	134	3,490	29	120	-20°C (-4°F)	40°C (104°F)
740	1 LO	0-10V 1%	90+	3,750	29	129	3,370	29	116	-20°C (-4°F)	35°C (95°F)
740	1 LO	0-10V 5%	90+	3,750	29	129	3,370	29	116	-20°C (-4°F)	40°C (104°F)
740	2 LO	0-10V 1%	83	**7,788**	**55**	**142**	**6,983**	**55**	**127**	-20°C (-4°F)	35°C (95°F)
740	2 LO	0-10V 5%	83	7,788	55	142	6,983	55	127	-20°C (-4°F)	40°C (104°F)
740	2 LO	0-10V 1%	90+	**7,506**	**55**	**136**	**6,745**	**55**	**123**	-20°C (-4°F)	35°C (95°F)
740	2 LO	0-10V 5%	90+	7,506	55	136	6,745	55	123	-20°C (-4°F)	40°C (104°F)
740	2 HI	0-10V 1%	83	21,740	153	142	19,480	153	127	-20°C (-4°F)	30°C (86°F)
740	2 HI	0-10V 5%	83	21,740	153	142	19,480	153	127	-40°C (-40°F)	40°C (104°F)
740	2 HI	0-10V 1%	90+	17,260	155	111	15,466	155	100	-20°C (-4°F)	30°C (86°F)
740	2 HI	0-10V 5%	90+	17,260	155	111	15,466	155	100	-40°C (-40°F)	35°C (95°F)
740	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
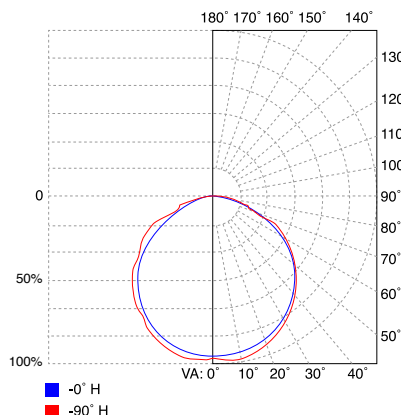
[3] EFFICACY CALCULATED USING 4000K CCT DATA.

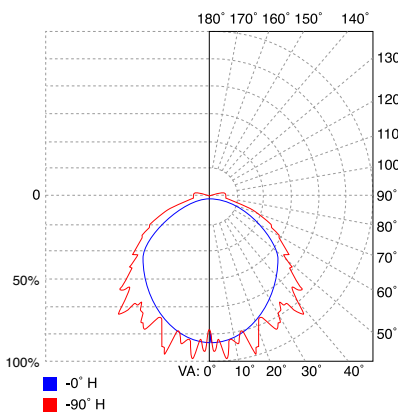[4] TEMP RATING MAY VARY WITH SPECIFIED DRIVERS OR ANY NON STANDARD SELECTION

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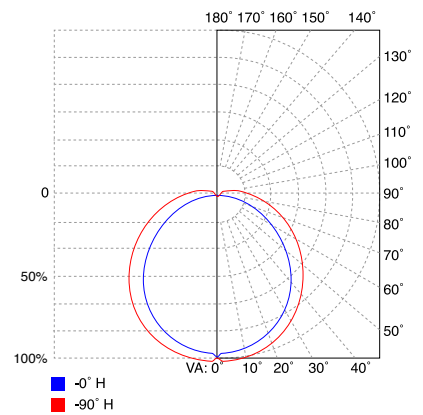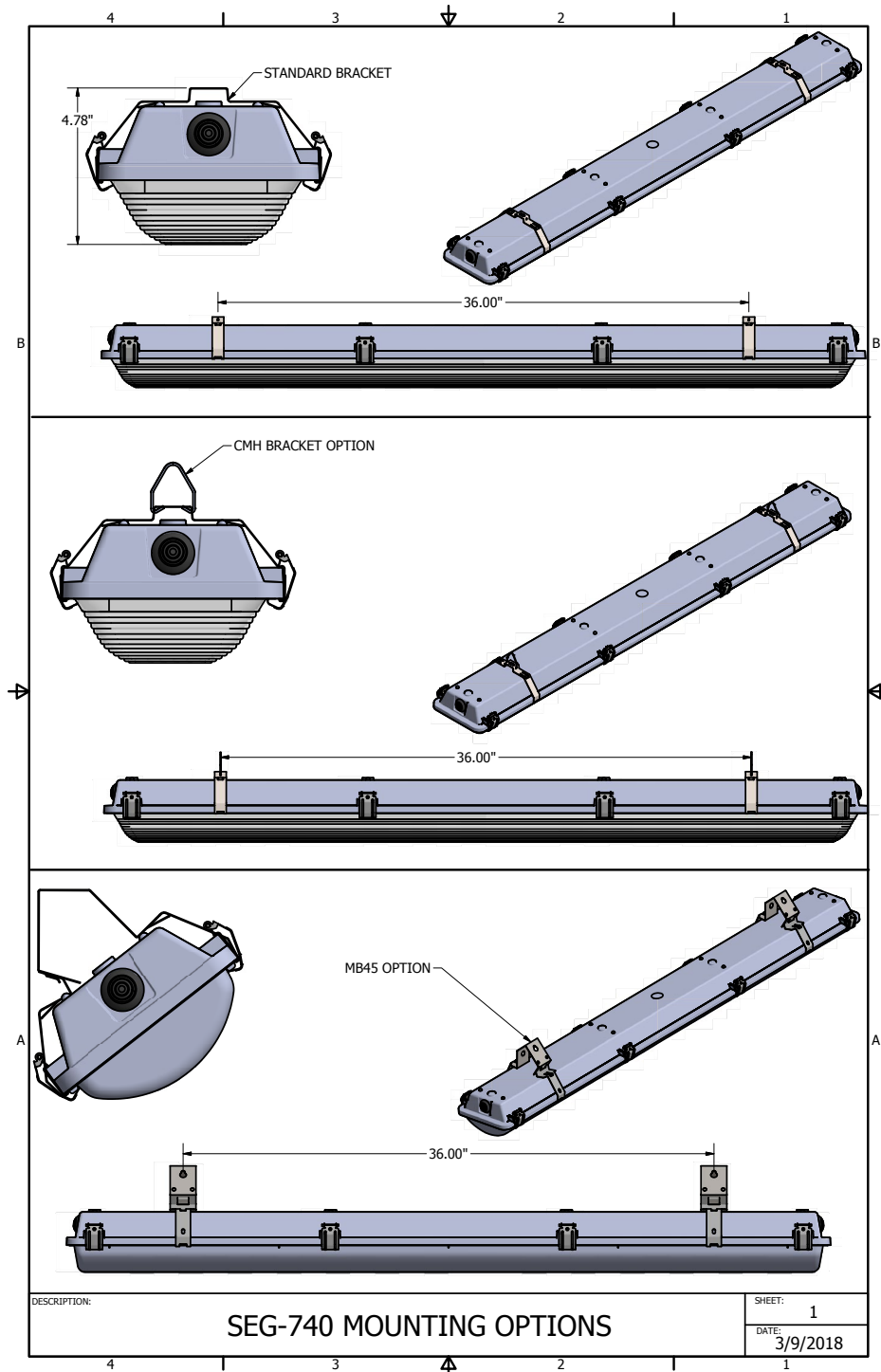
PHOTOMETRICS

CP Optics

-0° H
-90° H

CPD Optics

-0° H
-90° H

FP Optics

-0° H
-90° H

Food Processing **Vaportight**

Food Processing 7" x 4' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

MOUNTING OPTIONS

STANDARD BRACKET

4.78"

36.00"

CMH BRACKET OPTION

36.00"

MB45 OPTION

36.00"

DESCRIPTION:	SEG-740 MOUNTING OPTIONS	SHEET: 1
		DATE: 3/9/2018

Food Processing **Vaportight: FP-SEG-740-LED**

Food Processing 7" x 4' Linear Vaportight LED Luminaire for Surface or Pendant Mounting

MOUNTING OPTIONS

SEG-740 MOUNTING OPTIONS

DESCRIPTION:

SHEET: 2

DATE: 3/9/2018