

INVENTRONICS LED DRIVERS PRODUCT CATALOG

DRIVING THE LIGHTING REVOLUTION



INVENTRONICS LED DRIVERS





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 : New Product
CC : Constant-Current
CP : Constant-Power
CV : Constant-Voltage

249-528Vac

ESM-Dx Series—CP Compact High Input Voltage 35

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342-457Vac

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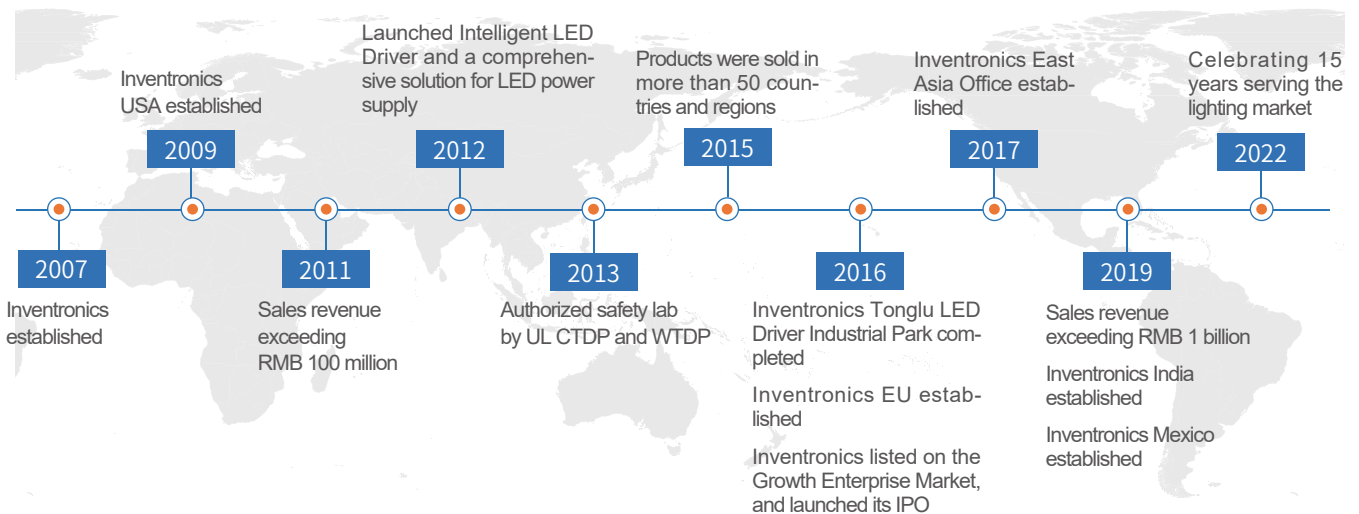
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Established in 2007, Inventronics is one of the world's top LED driver manufacturers specializing in building innovative, highly reliable and long-life products that are certified compliant to all major international safety and performance standards. We design our own drivers at our headquarters in Hangzhou, China and have specialized teams that focus on low, mid and high-power designs as well as teams for network controls and accessory products. Our drivers are manufactured within our state-of-art Science and Technology Park in Tonglu, China, as well as our new manufacturing sites in India and Mexico. We encourage factory visits for a first-hand experience of our commitment to quality.

We provide superior products, exceptional technical support, and best-in-class customer service. We also seek to create value for our customers by working to extend and increase the return on investment for solid-state lighting systems.

COMPANY HISTORY





Inventronics Tonglu LED Driver Industrial Park



India Manufacturing Facility



Mexico Manufacturing Facility



SMT Line



Auto Testing System

Inventronics' Tonglu manufacturing facility covers an area of 76,000m². The production line consists of SMT lines, PCBA assembly lines, testing and packaging lines, monitoring equipment and a self-owned Safety and Reliability Testing Labs. Inventronics provides customers with high-quality products that allows us to stay at the forefront of technologies to better empower the next generation of LED luminaires.



As of December, 2021, Inventronics holds 276 authorized patents, 23 US & 135 Chinese & 1 European patents for invention. Relying on its technology and strength of innovation, Inventronics has already built up a portfolio of intellectual property. We are still building upon and strengthening the technology foundation in the LED power supply area in order to maintain our competitiveness.



- Internal safety lab conforming to ISO/IEC 17025:2005
- UL CTDTP and WTDP authorized safety lab
- TÜV Rheinland TMPL authorized safety lab





Test Center

Verification Tests

- SVT to ensure product meets specification
- DVT to ensure products are robust
- Thermal Test to verify performance over temperature range
- Lifetime and MTBF Test
- Stress Test to ensure performance at the component level
- EMC Test
- Surge Protection Test
- Environmental Test to verify reliability



Design Verification Test



Surge Test



Thermal Test



Thermal Shock Test



Components Recognition Test



Burn-in Test

Outdoor LED Drivers

Constant-Power	Ultra Compact	EUM-Dx	P07
	Ultra Compact Dim-to-Off	EUM-Mx/MGS	P09
	Controls-Ready with NFC	EUM-Lx	P11
	Controls-Ready with NFC / D4i (DALI-2)	EUM-Bx	P13
	Slim	SUM	P15
	Class I / II	EUM-DE	P17
	440Vac IOVP	EAM	P19
	Tunable White	EUW	P20
	Controls-Ready	EUD	P23
	Ultra-Long Life Controls-Ready	EUD-L	P25
	Compact, High Input Voltage	ESM-Dx	P35
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	High Input Controls-Ready with NFC / D4i (DALI-2)	ESM-Lx/Bx	P39
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		PRG-MUL2	P60
		PRG-CASE2	P60

E U M - 680 S 560 M G S

Series 1 Alpha Character

E	Outdoor LED Drivers
L	Indoor LED Drivers
S	Slim LED Drivers

Input Range 1 Alpha Character

A	90-305Vac with 440Vac IOVP
B	176-305Vac
D	140-305Vac
M	198-264Vac
N	342-457Vac
S	249-528Vac
U	90-305Vac

Type 1 Alpha Character

C	Constant-Current Output
D/G	Adjustable Output Current with Digital Interface
M	Multiple Variances with AOC Function
N	Adjustable Output Current with NFC
R	Round Shape Design with AOC Function
S	Case with Push Terminals
T	Adjustable Output Current with Resistor
V	Constant-Voltage Output
W	Tunable White

Output Power 3 Numeric Characters

1K2	1200W
680	680W
075	75W

No. of Outputs 1 Alpha Character

D	Dual
S	Single
T	Triple

Output Voltage/Current 3 Numeric Characters

560	560V	12A	12~12.9A
200	200V	999	9.99A
050	50V	140	1400mA
025	25V	105	1050mA
2V5	2.5V	070	700mA
		035	350mA

Case & Application Feature 1 Alpha Character

	First Generation for Indoor/Outdoor Products
2	Second Generation Products
A	Second Generation for Outdoor Products
F	Outdoor/Indoor Long and Slim Metal Case
L	Outdoor/Indoor Long Lifetime
M	Outdoor/Indoor Metal Case (Normal Rectangle)
S	Outdoor/Indoor With Panel Mount Connector

Input Cable Indicator 1 Alpha Character

B	Standard, 3 Pin, BIS
E	Standard, 3 Pin, Class I/II
F	Standard, 3Pin, Flying Leads
G	Standard, 3 Pin, Global
S	Standard, 2 Pin, UL
T	Standard, 3 Pin, UL
V	Standard, 3 Pin, VDE

Options & Modes 1 Alpha Character

B	N-in-1 DALI (with PWM/AC Dim/Push Dimming/Timer)
D	0(1)-10V with or without 0(1)-5V/PWM(10V PWM)/Timer
H	0-10V with Dim-to-Low-Voltage
L	AC Power Monitoring and 0-10V/PWM/Timer with Dim-to-Off
M	0-10V/PWM/Timer with Dim-to-Off
S	Non-Dimming Control



» Inventronics Advantages

- High Efficiency (Up to 94.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programability
- Input Voltage Range: 90 ~ 305Vac
- Compact Metal Case with Excellent Thermal Performance
- Output Lumen Compensation
- Input Surge Protection Up to: DM 6kV, CM 10kV
- All-Around Protection: OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- SELV Output Models Available
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

» About EUM-Dx

Inventronics EUM-Dx series provides a next generation platform offering an enhanced transformer design, optimized components that provide lower costs without sacrificing quality or performance and a new design methodology. They also utilize a new global cable suitable for world-wide use to help OEMs reduce inventory SKUs.

» Dimming Functions

- Isolated 1-5V / 1-10V / 10V PWM / 3-Timer-Modes

» Safety Certifications



» Power Levels

30W 50W 75W 100W 150W 200W 240W 320W

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
30	EUM-030S050Dx	300 ~ 500	30 ~ 100	88.00%	120,000 Tc= 70°C	112(95) × 64 × 36.5
	EUM-030S105Dx ★	550 ~ 1050	17 ~ 54	87.00%		
50	EUM-050S053Dx	300 ~ 530	47 ~ 167	90.50%	103,000 Tc= 70°C	112(95) × 64 × 36.5
	EUM-050S090Dx	550 ~ 900	28 ~ 91	89.00%		
	EUM-050S150Dx ★	920 ~ 1500	17 ~ 54	88.00%		
75	EUM-075S053Dx	300 ~ 530	70 ~ 250	92.00%	100,000 Tc= 70°C	142(125) × 60 × 36.5
	EUM-075S105Dx	700 ~ 1050	36 ~ 107	90.50%		
	EUM-075S150Dx	1050 ~ 1500	25 ~ 72	90.50%		
	EUM-075S210Dx ★	1400 ~ 2100	18 ~ 54	89.50%		
100	EUM-100S053Dx	350 ~ 530	94 ~ 286	94.00%	114,000 Tc= 70°C	148(131) × 60 × 36.5
	EUM-100S105Dx	700 ~ 1050	48 ~ 143	93.00%		
	EUM-100S150Dx	1050 ~ 1500	34 ~ 95	93.00%		
	EUM-100S280Dx ★	1750 ~ 2800	17 ~ 54	92.00%		
150	EUM-150S070Dx	530 ~ 700	107 ~ 284	93.50%	106,000 Tc= 70°C	178(161) × 60 × 36.5
	EUM-150S105Dx	700 ~ 1050	72 ~ 214	93.00%		
	EUM-150S150Dx	1050 ~ 1500	50 ~ 143	93.50%		
	EUM-150S210Dx	1400 ~ 2100	36 ~ 107	92.00%		
	EUM-150S420Dx	2800 ~ 4200	18 ~ 54	91.50%		
200	EUM-200S070Dx	530 ~ 700	142 ~ 378	94.00%	100,000 Tc= 70°C	188(171) × 60 × 36.5
	EUM-200S105Dx	700 ~ 1050	95 ~ 286	93.50%		
	EUM-200S150Dx	1050 ~ 1500	67 ~ 190	93.00%		
	EUM-200S280Dx	1800 ~ 2800	36 ~ 111	92.50%		
	EUM-200S560Dx	3500 ~ 5600	18 ~ 57	92.00%		
240	EUM-240S070Dx	530 ~ 700	171 ~ 453	94.00%	100,000 Tc= 70°C	218(201) × 60 × 38.5
	EUM-240S105Dx	700 ~ 1050	115 ~ 343	94.00%		
	EUM-240S150Dx	1050 ~ 1500	80 ~ 229	93.50%		
	EUM-240S350Dx	2150 ~ 3500	35 ~ 111	93.00%		
	EUM-240S670Dx	4200 ~ 6700	18 ~ 57	92.50%		
320	EUM-320S105Dx	700 ~ 1050	153 ~ 457	94.00%	111,000 Tc= 70°C	243(224) × 80 × 44.5
	EUM-320S150Dx	1050 ~ 1500	107 ~ 305	94.00%		
	EUM-320S250Dx	1750 ~ 2500	64 ~ 183	94.00%		
	EUM-320S500Dx	2850 ~ 5000	32 ~ 112	93.00%		
	EUM-320S760Dx	5350 ~ 7600	21 ~ 60	93.00%		

★ : Class 2 Model



» Inventronics Advantages

- High Efficiency (Up to 96.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Input Voltage Range: 90 ~ 305Vac
- Always-on Auxiliary Power: 12Vdc, 250mA, 3W (Transient Peak Power up to 10W)
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

» Dimming Functions

- Isolated 0-10V/PWM/3-Timer-Modes Dimmable
- INV Digital Dimming, UART Based Communication Protocol
- Dim-to-Off with Standby Power ≤ 0.5 W

» Safety Certifications



» Power Levels

75W 100W 150W 200W 240W 320W 680W 880W

» About EUM-Mx

The EUM-Mx series offers full-power at a wide output current range and supply Controls-Ready features such as Dim-to-Off and an Always-On Auxiliary Power of 12Vdc, 250mA with a transient peak up to 10W to better power occupancy and daylight sensors. This provides a cost-optimized solution by removing the need for additional power packs and AC Relays. They offer a reliable performance with a high level of built-in surge protection and added Input Over Voltage (IOV) and Input Under Voltage (IUUV) protection to help against poor power quality supplies to the LED driver. The MG series provides a global cable to reduce inventory SKUs, the MT Series are UL Class P recognized and the MB series are BIS certified to offer a solution for a wide range of applications and regions.

» About EUM-MGS

The EUM-MGS provides the added convenience of the panel mount connection with brackets for easier installation. They provide design flexibility with full-power at a wide output current range. Their Controls-Ready features such as Dim-to-Off and an Always-On Auxiliary Power of 12Vdc, 250mA with a transient peak up to 10W to better power occupancy and daylight sensors.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
75	EUM-075S105Mx	700 ~ 1050	36 ~ 107	90.50%	101,000 Tc= 70°C	142(125) × 67.5 × 36.5
	EUM-075S150Mx	1050 ~ 1500	25 ~ 72	89.50%		
	EUM-075S210Mx ★	1400 ~ 2100	18 ~ 54	89.00%		
100	EUM-100S105Mx	700 ~ 1050	48 ~ 143	92.50%	112,000 Tc= 70°C	148(131) × 67.5 × 36.5
	EUM-100S150Mx	1050 ~ 1500	34 ~ 95	92.50%		
	EUM-100S280Mx ★	1750 ~ 2 800	17 ~ 54	91.00%		
150	EUM-150S105Mx	700 ~ 1050	72 ~ 214	93.50%	104,000 Tc= 70°C	178(161) × 67.5 × 36.5
	EUM-150S150Mx	1050 ~ 1500	50 ~ 143	93.00%		
	EUM-150S210Mx	1400 ~ 2100	36 ~ 107	92.50%		
	EUM-150S420Mx	2800 ~ 4200	18 ~ 54	91.50%		
200	EUM-200S105Mx	700 ~ 1050	95 ~ 286	93.50%	102,000 Tc= 70°C	188(171) × 67.5 × 36.5
	EUM-200S150Mx	1050 ~ 1500	67 ~ 190	93.50%		
	EUM-200S280Mx	1800 ~ 2800	36 ~ 111	93.00%		
	EUM-200S560Mx	3500 ~ 5600	18 ~ 57	92.00%		
240	EUM-240S105Mx	700 ~ 1050	115 ~ 343	94.00%	101,000 Tc= 70°C	218(201) × 67.5 × 38.5
	EUM-240S150Mx	1050 ~ 1500	80 ~ 229	93.50%		
	EUM-240S350Mx	2150 ~ 3500	35 ~ 111	93.00%		
	EUM-240S670Mx	4200 ~ 6700	18 ~ 57	92.50%		
320	EUM-320S105Mx	700 ~ 1050	153 ~ 457	94.50%	112,000 Tc= 70°C	243(224) × 80 × 44.5
	EUM-320S150Mx	1050 ~ 1500	107 ~ 305	94.00%		
	EUM-320S250Mx	1750 ~ 2500	64 ~ 183	94.00%		
	EUM-320S500Mx	2850 ~ 5000	32 ~ 112	93.50%		
	EUM-320S760Mx	5350 ~ 7600	21 ~ 60	92.50%		
680	EUM-680S170Mx/MGS	1250 ~ 1700	200 ~ 544	95.50%	107,000 Tc=70°C	Mx: 275(250)×135 x 46 MGS: 300(275) X 151 X 46
	EUM-680S240Mx/MGS	1800 ~ 2400	141.5 ~ 378	94.50%		
	EUM-680S350Mx/MGS	2600 ~ 3500	97.1 ~ 262	95.00%		
	EUM-680S560Mx/MGS	4200 ~ 5600	60.7 ~ 163	94.50%		
	EUM-680S840Mx/MGS	6300 ~ 8400	40.4 ~ 108	95.00%		
	EUM-680S15AMx/MGS	12600 ~ 15000	22.6 ~ 54	95.50%		
880	EUM-880S280Mx/MGS	1950 ~ 2800	157 ~ 452	95.00%	105,000 Tc= 70°C	Mx: 275(250)×144 x 48.5 MGS: 300(275) X 160 X 48.5
	EUM-880S420Mx/MGS	3000 ~ 4200	104 ~ 294	95.50%		
	EUM-880S700Mx/MGS	4900 ~ 7000	63 ~ 180	96.00%		
	EUM-880S11AMx/MGS	8000 ~ 11500	38 ~ 110	94.50%		
	EUM-880S20AMx/MGS	16300 ~ 20000	22 ~ 54	95.50%		

★ : Class 2 Model



» Inventronics Advantages

- High Efficiency (Up to 94.5%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- Input Voltage Range: 90 ~ 305Vac
- Always-on Auxiliary Power: 12Vdc, 250mA, 3W (Transient Peak Power up to 10W)
- Integrated Power Monitoring with High Accuracy up to ±1%
- Output Lumen Compensation
- End-of-Life Indicator
- Thermal Sensing and Protection for LED Module
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous(Classified) Location
- 7-Year Warranty

» Dimming Functions

- Isolated 0-10V/PWM/3-Timer-Modes Dimmable
- INV Digital Dimming, UART Based Communication Protocol
Compliant with T/CSA-051
- Dim-to-Off with Standby Power ≤ 0.5 W

» Safety Certifications



» Power Levels

75W 100W 150W 200W 240W 320W

» About EUM-Lx

The EUM-Lx series is Controls-Ready for a cost-optimized smart lighting solution and provide hassle-free production and adaption with wireless programming via Near Field Communication (NFC). They also equip users with the ability to leverage crucial driver information, reduce maintenance costs and streamline production. The added features of AC power monitoring and Inventronics proprietary digital dimming allow users to properly monitor and diagnose the health of the LED driver and luminaire to ensure optimal performance. The EUM-Lx series also provide multiple isolated dimming controls, Dim-to-Off and Always-On Auxiliary Power. The LG models utilize globally accepted cables that help reduce SKUs, the LT models provide UL Class P certification and the LB models are BIS certified.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
75	EUM-075S105Lx	700 ~ 1050	36 ~ 107	90.50%	101,000 Tc= 70°C	142(125) × 67.5 × 36.5
	EUM-075S150Lx	1050 ~ 1500	25 ~ 72	89.50%		
	EUM-075S210Lx ★	1400 ~ 2100	18 ~ 54	89.00%		
100	EUM-100S105Lx	700 ~ 1050	48 ~ 143	92.50%	112,000 Tc= 70°C	148(131) × 67.5 × 36.5
	EUM-100S150Lx	1050 ~ 1500	34 ~ 95	92.50%		
	EUM-100S280Lx ★	1750 ~ 2800	17 ~ 54	91.00%		
150	EUM-150S105Lx	700 ~ 1050	72 ~ 214	93.50%	104,000 Tc= 70°C	178(161) × 67.5 × 36.5
	EUM-150S150Lx	1050 ~ 1500	50 ~ 143	93.00%		
	EUM-150S210Lx	1400 ~ 2100	36 ~ 107	92.50%		
	EUM-150S420Lx	2800 ~ 4200	18 ~ 54	91.50%		
200	EUM-200S105Lx	700 ~ 1050	95 ~ 286	93.50%	102,000 Tc= 70°C	188(171) × 67.5 × 36.5
	EUM-200S150Lx	1050 ~ 1500	67 ~ 190	93.50%		
	EUM-200S280Lx	1800 ~ 2800	36 ~ 111	93.00%		
	EUM-200S560Lx	3500 ~ 5600	18 ~ 57	92.00%		
240	EUM-240S105Lx	700 ~ 1050	115 ~ 343	94.00%	101,000 Tc= 70°C	218(201) × 67.5 × 38.5
	EUM-240S150Lx	1050 ~ 1500	80 ~ 229	93.50%		
	EUM-240S350Lx	2150 ~ 3500	35 ~ 111	93.00%		
	EUM-240S670Lx	4200 ~ 6700	18 ~ 57	92.50%		
320	EUM-320S105Lx	700 ~ 1050	153 ~ 457	94.50%	112,000 Tc= 70°C	243(224) × 80 × 44.5
	EUM-320S150Lx	1050 ~ 1500	107 ~ 305	94.00%		
	EUM-320S250Lx	1750 ~ 2500	64 ~ 183	94.00%		
	EUM-320S500Lx	2850 ~ 5000	32 ~ 112	93.50%		
	EUM-320S760Lx	5350 ~ 7600	21 ~ 60	92.50%		

★ : Class 2 Model



EUM-Bx^①

» Inventronics Advantages

- High Efficiency (Up to 95.5%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- Input Voltage Range: 90 ~ 305Vac
- Always-on Auxiliary Power: 24Vdc, 125mA, 3W (Transient Peak Power up to 10W)
- Integrated 16Vdc Bus Power Supply based on DALI-2
- Integrated Power Monitoring with High Accuracy up to ±1%
- Output Lumen Compensation
- End-of-Life Indicator
- Thermal Sensing and Protection for LED Module
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous(Classified) Location
- 7-Year Warranty

» Dimming Functions

- DALI-2 and D4i Certified
- 3-Timer-Modes Dimmable
- Dim-to-Off with Standby Power ≤ 0.5 W

» Safety Certifications



» Power Levels

75W 100W 150W 200W 240W 320W 680W

» About EUM-Bx

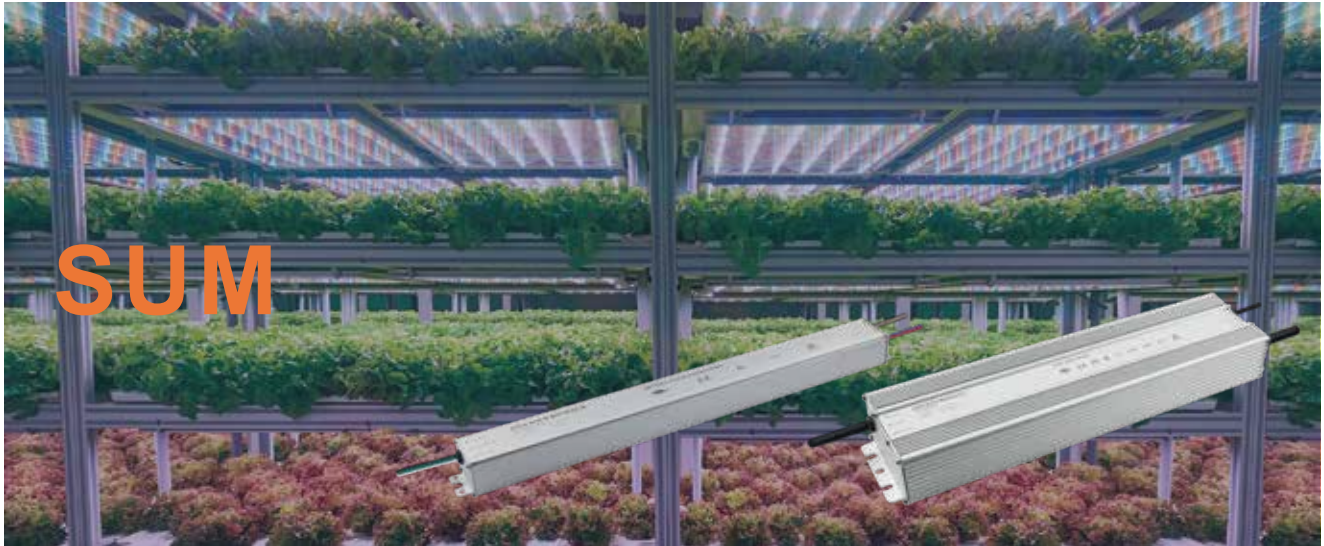
The EUM-Bx series is DALI-2 D4i certified to allow them to track and monitor health diagnostics for the LED driver, provide plug and play controls and standardizes intra-luminaire designs. They are extremely flexible with wireless programmability via Near Field Communication (NFC) to help OEMs streamline production and simplify installation. The EUM-Bx series is Controls-Ready with Dim-to-Off and Always-On Auxiliary Power of 24Vdc, 125mA with a transient peak up to 10W. They also provide the added convenience of integrated power monitoring allowing users to measure energy consumption. The BG series provides a global cable to reduce inventory SKUs, the BT Series are UL Class P recognized and the BB series are BIS certified to offer a solution for a wide range of applications and regions.

① : x=G are UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models; x=B are BIS models.



Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
75	EUM-075S105Bx	700 ~ 1050	36 ~ 107	90.50%	101,000 Tc= 70°C	142(125) × 67.5 × 36.5
	EUM-075S150Bx	1050 ~ 1500	25 ~ 72	89.50%		
	EUM-075S210Bx ★	1400 ~ 2100	18 ~ 54	89.00%		
100	EUM-100S105Bx	700 ~ 1050	48 ~ 143	92.50%	112,000 Tc= 70°C	148(131) × 67.5 × 36.5
	EUM-100S150Bx	1050 ~ 1500	34 ~ 95	92.50%		
	EUM-100S280Bx ★	1750 ~ 2800	17 ~ 54	91.00%		
150	EUM-150S105Bx	700 ~ 1050	72 ~ 214	93.50%	104,000 Tc= 70°C	178(161) × 67.5 × 36.5
	EUM-150S150Bx	1050 ~ 1500	50 ~ 143	93.00%		
	EUM-150S210Bx	1400 ~ 2100	36 ~ 107	92.50%		
	EUM-150S420Bx	2800 ~ 4200	18 ~ 54	91.50%		
200	EUM-200S105Bx	700 ~ 1050	95 ~ 286	93.50%	102,000 Tc= 70°C	188(171) × 67.5 × 36.5
	EUM-200S150Bx	1050 ~ 1500	67 ~ 190	93.50%		
	EUM-200S280Bx	1800 ~ 2800	36 ~ 111	93.00%		
	EUM-200S560Bx	3500 ~ 5600	18 ~ 57	92.00%		
240	EUM-240S105Bx	700 ~ 1050	115 ~ 343	94.00%	101,000 Tc= 70°C	218(201) × 67.5 × 38.5
	EUM-240S150Bx	1050 ~ 1500	80 ~ 229	93.50%		
	EUM-240S350Bx	2150 ~ 3500	35 ~ 111	93.00%		
	EUM-240S670Bx	4200 ~ 6700	18 ~ 57	92.50%		
320	EUM-320S105Bx	700 ~ 1050	153 ~ 457	94.50%	112,000 Tc=70°C	243(224) × 80 × 44.5
	EUM-320S150Bx	1050 ~ 1500	107 ~ 305	94.00%		
	EUM-320S250Bx	1750 ~ 2500	64 ~ 183	94.00%		
	EUM-320S500Bx	2850 ~ 5000	32 ~ 112	93.50%		
	EUM-320S760Bx	5350 ~ 7600	21 ~ 60	92.50%		
680	EUM-680S170BG	1250 ~ 1700	200 ~ 544	95.50%	100,000 Tc=70°C	275(250) × 135 x 46
	EUM-680S240BG	1800 ~ 2400	141.5 ~ 378	94.50%		
	EUM-680S350BG	2600 ~ 3500	97.1 ~ 262	95.00%		
	EUM-680S560BG	4200 ~ 5600	60.7 ~ 163	94.50%		
	EUM-680S840BG	6300 ~ 8400	40.4 ~ 108	95.00%		
	EUM-680S15ABG	12600 ~ 15000	22.6 ~ 54	95.50%		

★ : Class 2 Model



Common Features

- High Efficiency (Up to 96.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Input Voltage Range: 90-305Vac
- Fade Time Adjustable
- Output Lumen Compensation
- End-of-Life Indicator
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- Input Surge Protection Up to: DM 6kV, CM 10kV
- 5-Year Warranty

Safety Certifications



Power Levels

220W 330W 440W 760W 1000W

220W, 330W, 440W Features

- 43.5mm Width
- Maximum Dimming Level with 9V or 10V Selectable
- Dim-to-Off with Standby Power ≤ 0.5 W (MF Models)
- Dim-to-Low-Voltage(DTLV) with Standby Power ≤ 0.5 W (HF Models)
- Isolated 0-10V/10V PWM/3-Timer-Modes
- Always-on Auxiliary Power: 12Vdc, 250mA (MF Models)
- Low Inrush Current (Above 220W)
- IP65 and UL Dry / Damp
- All-Around Protection: OVP, SCP, OTP

760W, 1000W Features

- 90mm Width
- Maximum Dimming Level with 9V or 10V Selectable
- Minimum Dimming Level with 5% or 10% Selectable
- INV Digital Dimming, UART Based Communication Protocol
- Isolated 0-10V/PWM/3-Timer-Modes
- Always-on Auxiliary Power: 12Vdc, 250mA
- Dim-to-Off with Standby Power ≤ 0.5 W
- Hot-plugging Protection
- Parallel LED Protection
- IP66 / IP67 and UL Dry / Damp / Wet Location
- All-Around Protection: IOVP, IUVP, OVP, SCP, OTP

» About SUM

The SUM family is slim products for horticulture industry and other applications requiring a linear form factor with an input voltage range of 90-305Vac. They provide high efficiency to reduce electricity consumption.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
220	SUM-220S530MF/HF	4100 ~ 5300	34 ~ 54	94.00%	100,000 TC=70°C	294(270) x 43.5 x 31.5
330	SUM-330S690MF/HF	6100 ~ 6900	34 ~ 54	94.50%	100,000 TC=70°C	396(372) x 43.5 x 31.5
440	SUM-440S920MF/HF	8200 ~ 9200	34 ~ 54	94.50%	100,000 TC=70°C	426(402) x 43.5 x 31.5
760 (Update)	SUM-760S15AMG/MT	14000 ~ 15800	34 ~ 54	95.50%	102,000 TC=70°C	379(354) x 90 x 48.5
	SUM-760S15AMGS	14000 ~ 15800	34 ~ 54	95.50%	102,000 Tc=70°C	415(390) x 108 x 48.5
	SUM-760S15AMGR	14000 ~ 15800	34 ~ 54	95.50%	102,000 Tc=70°C	415(390) x 108 x 48.5
1000 (Update)	SUM-1K0S21AMG/MT	18500 ~ 21000	34 ~ 54	95.50%	100,000 TC=70°C	414(389) x 90 x 48.5
	SUM-1K0S21AMGS	18500 ~ 21000	34 ~ 54	95.50%	100,000 Tc=70°C	450(425) x 108 x 48.5
	SUM-1K0S21AMGR	18500 ~ 21000	34 ~ 54	95.50%	100,000 Tc=70°C	414(389) x 90 x 48.5
	SUM-1K0S840MG/MT	6700 ~ 8400	84 ~ 149	95.50%	100,000 Tc=70°C	414(389) x 90 x 48.5
	SUM-1K0S840AMGS	6700 ~ 8400	84 ~ 149	95.50%	100,000 Tc=70°C	450(425) x 108 x 48.5
	SUM-1K0S840AMGR	6700 ~ 8400	84 ~ 149	95.50%	100,000 Tc=70°C	414(389) x 90 x 48.5



» Inventronics Advantages

- High Efficiency (Up to 94.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programability
- Input Voltage Range: 90 ~ 305Vac
- Compact Metal Case with Excellent Thermal Performance
- Output Lumen Compensation
- Input Surge Protection Up to: DM 6kV, CM 10kV
- All-Around Protection: OVP, SCP, OTP
- IP66 / IP67
- SELV Output Models Available
- Suitable for Luminaires with Protection Class I and II
- 5-Year Warranty

» Dimming Functions

- Isolated 1-5V / 1-10V / 10V PWM / 3-Timer-Modes

» Safety Certifications



» Power Levels

30W 50W 75W 100W 150W 200W 240W

» About EUM-DE

The EUM-DE series is the new generation of LED drivers certified for Class I and Class II luminaires. They are IP66/IP67 rated and offer flexibility for installation reducing production time and reducing assembly costs. They also provide reliability and a quality performance with built-in surge protection and output lumen compensation.



Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
30	EUM-030S050DE	300 ~ 500	30 ~ 100	88.00%	120,000 Tc=70°C	112(95) × 64 × 36.5
	EUM-030S105DE	550 ~ 1050	17 ~ 54	87.00%		
50	EUM-050S053DE	300 ~ 530	47 ~ 167	90.50%	103,000 Tc=70°C	112(95) × 64 × 36.5
	EUM-050S090DE	550 ~ 900	28 ~ 91	89.00%		
	EUM-050S150DE	920 ~ 1500	17 ~ 54	88.00%		
75	EUM-075S053DE	300 ~ 530	70 ~ 250	92.00%	100,000 Tc=70°C	153(136) × 60 × 36.5
	EUM-075S105DE	700 ~ 1050	36 ~ 107	90.50%		
	EUM-075S150DE	1050 ~ 1500	25 ~ 72	90.50%		
	EUM-075S210DE	1400 ~ 2100	18 ~ 54	89.50%		
100	EUM-100S053DE	350 ~ 530	94 ~ 286	94.00%	114,000 Tc=70°C	153(136) × 60 × 36.5
	EUM-100S105DE	700 ~ 1050	48 ~ 143	93.00%		
	EUM-100S150DE	1050 ~ 1500	34 ~ 95	93.00%		
	EUM-100S280DE	1750 ~ 2800	17 ~ 54	92.00%		
150	EUM-150S070DE	530 ~ 700	107 ~ 284	93.50%	106,000 Tc=70°C	183(166) × 60 × 36.5
	EUM-150S105DE	700 ~ 1050	72 ~ 214	93.00%		
	EUM-150S150DE	1050 ~ 1500	50 ~ 143	93.50%		
	EUM-150S210DE	1400 ~ 2100	36 ~ 107	92.00%		
	EUM-150S420DE	2800 ~ 4200	18 ~ 54	91.50%		
200	EUM-200S070DE	530 ~ 700	142 ~ 378	94.00%	100,000 Tc=70°C	193(176) × 60 × 36.5
	EUM-200S105DE	700 ~ 1050	95 ~ 286	93.50%		
	EUM-200S150DE	1050 ~ 1500	67 ~ 190	93.00%		
	EUM-200S280DE	1800 ~ 2800	36 ~ 111	92.50%		
	EUM-200S560DE	3500 ~ 5600	18 ~ 57	92.00%		
240 (Update)	EUM-240S070DE	530 ~ 700	171 ~ 453	94.00%	100,000 Tc=70°C	223(206) × 60 × 38.5
	EUM-240S105DE	700 ~ 1050	115 ~ 343	94.00%		
	EUM-240S150DE	1050 ~ 1500	80 ~ 229	93.50%		
	EUM-240S350DE	2150 ~ 3500	35 ~ 111	93.00%		
	EUM-240S670DE	4200 ~ 6700	18 ~ 57	92.50%		



» Inventronics Advantages

- High Efficiency (Up to 93.5%)
- Input Over Voltage Protection (IOVP) at 440Vac with 48 Hours
- Full Power at Wide Output Current Range (Constant Power)
- Input Voltage Range: 90 ~ 305Vac
- Adjustable Output Current (AOC) with Potentiometer
- Non-dimming Control
- Input Surge Protection: DM 4kV, CM 6kV
- All-Around Protection: IOVP, OVP, SCP, OTP
- IP66/IP67
- 5-Year Warranty

» Safety Certifications



» Power Levels

75W 100W 150W 200W

» About EAM

Inventronics EAM family leverages many of the next generation platform enhancements we introduced in our EUM series but with an advanced circuitry design making it ideal for those markets who face challenging power regulations. This family offers an adjustable output current that provides constant power over a wide range of output currents. For additional protection they are equipped with an added 440Vac input over voltage protection feature and industry-leading surge protection.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
75	EAM-075S105SB	700 ~ 1050	36 ~ 107	90.00%	105,000 Tc= 70°C	142(125) × 60 × 36.5
	EAM-075S150SB	1050 ~ 1500	25 ~ 72	90.00%		
	EAM-075S210SB	1400 ~ 2100	18 ~ 54	89.00%		
100	EAM-100S105SB	700 ~ 1050	48 ~ 143	92.00%	114,000 Tc= 70°C	148(131) × 60 × 36.5
	EAM-100S150SB	1050 ~ 1500	34 ~ 95	91.50%		
	EAM-100S280SB	1750 ~ 2800	17 ~ 54	90.50%		
150	EAM-150S105SB	700 ~ 1050	72 ~ 214	92.00%	109,000 Tc= 70°C	178(161) × 60 × 36.5
	EAM-150S150SB	1050 ~ 1500	50 ~ 143	92.50%		
	EAM-150S210SB	1400 ~ 2100	36 ~ 107	91.50%		
	EAM-150S420SB	2800 ~ 4200	18 ~ 54	91.00%		
200	EAM-200S105SB	700 ~ 1050	95 ~ 286	93.50%	120,000 Tc= 70°C	188(171) × 60 × 36.5
	EAM-200S150SB	1050 ~ 1500	67 ~ 190	93.00%		
	EAM-200S280SB	1800 ~ 2800	36 ~ 111	92.50%		
	EAM-200S560SB	3500 ~ 5600	18 ~ 57	92.50%		



» Inventronics Advantages

- High Efficiency (Up to 93.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Input Voltage Range: 90 ~ 305Vac
- 100% Load Max Each Channel
- Adjust Color Temperature Continuously
- Adjust Intensity and Color Temperature Separately
- Flicker-Free
- Output Lumen Compensation
- Complete independent two channels(Optional)
- Dim-to-Off with Standby Power in independent mode (Optional)
- Input Surge Protection Up to: DM 6KV, CM10KV
- All-Around Protection: OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp Location
- SELV Output Models Available
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

» Dimming Functions

- Isolated 1-5V/1-10V/10V PWM/3-Timer-Modes Dimmable

» Safety Certifications



» Power Levels

40W 60W 100W 150W 200W 240W

» About EUW

The EUW Family is IP66/IP67 rated tunable white LED drivers offering two independent channels to adjust intensity and color temperature separately and continuously. They also provide isolated dimming controls, programmability and a compact shape for design versatility.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
40	EUW-040D105Dx ①	700 ~ 1050	20 ~ 58	88.50%	120,000 Tc= 70°C	142(125) × 64 × 36.5
60	EUW-060D105Dx	700 ~ 1050	28 ~ 86	89.00%	106,000 Tc= 70°C	142(125) × 64 × 36.5
100 (Update)	EUW-100D105Dx	700 ~ 1050	53 ~ 143	91.00%	100,000 Tc=70°C	189(172) × 64 × 36.5
	EUW-100D210Dx	1850 ~ 2100	34 ~ 54	89.00%		
150	EUW-150D140Dx	1050 ~ 1400	53 ~ 143	92.00%	100,000 Tc=70°C	189(172) × 64 × 36.5
	EUW-150D320Dx	2800 ~ 3200	34 ~ 54	91.00%		
200 (Update)	EUW-200D140Dx	1050 ~ 1400	80 ~ 190	92.00%	100,000 Tc=70°C	247(230) × 64 × 36.5
	EUW-200D420Dx	3700 ~ 4200	34 ~ 54	91.00%		
240	EUW-240D140Dx	1050 ~ 1400	80 ~ 228	93.00%	100,000 Tc=70°C	247(230) × 64 × 36.5
	EUW-240D500Dx	4500 ~ 5000	34 ~ 54	92.00%		

①: x = V is CCC model; x = F is UL,FCC model.



» **Inventronics Advantages**

- High Efficiency (Up to 90.0%)
- Low THD, 10% Max up to 240 Vac
- Constant-Current Output
- Input Voltage Range: 90 ~ 305Vac
- Input UVP and Input OVP
- Input Surge Protection: DM 4kV, CM 6kV
- All-Around Protection: OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp Location
- Class 2 & SELV Output Models Available
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

» **About EUC-M**

Inventronics low power, IP66 / 67 rated EUC family is ideal for projects that need luminaires at lower levels of brightness without the need for programmability. The EUC family is designed to help improve costs without sacrificing performance and their compact shape offers more flexibility to fit inside a multitude of luminaires. They provide exceptional thermal performance, low THD and higher surge protection.

» **Dimming Functions**

- Isolated 1-10V (DTM / DVM Models)

» **Safety Certifications**



» **Power Levels**

26W 30W 35W 40W 60W

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
26	EUC-026S050STM/SVM0003	350	37 ~ 74	88.50%	84,000 Tc= 70°C	97(80) × 64 × 32
	EUC-026S070STM/SVM0004	500	26 ~ 52	88.00%		
	EUC-026S070STM/SVM0002	600	22 ~ 43	88.00%		
	EUC-026S070STM/SVM	700	20 ~ 37	87.00%		
30	EUC-030S035DTM/DVM	350	37 ~ 75	85.00%	88,000 Tc= 75°C	105(88) × 64 × 32
	EUC-030S050DTM/DVM	500	29 ~ 60	87.00%		
	EUC-030S070DTM/DVM ★	700	20 ~ 43	85.50%		
35	EUC-035S070STM/SVM0004	500	32 ~ 64	87.00%	80,000 Tc= 70°C	97(80) × 64 × 32
	EUC-035S070SVM	700	25 ~ 50	87.00%		
	EUC-035S105STM0007 ★	700	25 ~ 47	86.00%		
	EUC-035S105STM/SVM0004 ★	860	20 ~ 41	86.00%		
	EUC-035S105STM/SVM ★	1050	18 ~ 33	86.00%		
40	EUC-040S070DTM0004	500	40 ~ 80	87.00%	93,000 Tc= 75°C	105(88) × 64 × 32
	EUC-040S070DTM	700	32 ~ 57	86.00%		
	EUC-040S110DTM0005 ★	860	23 ~ 45	86.00%		
	EUC-040S110DTM0001 ★	1050	21 ~ 38	85.00%		
	EUC-040S070DVM0004	500	40 ~ 80	87.00%		
	EUC-040S070DVM	700	32 ~ 57	86.00%		
	EUC-040S105DVM0004	860	23 ~ 47	86.00%		
	EUC-040S105DVM	1050	21 ~ 38	85.00%		
60	EUC-060S070DTM/DVM0004	500	60 ~ 120	90.00%	95,900 Tc= 70°C	112(95) × 64 × 32
	EUC-060S070DTM/DVM	700	48 ~ 86	89.00%		
	EUC-060S105DTM/DVM0004	860	35 ~ 70	89.00%		
	EUC-060S105DTM/DVM	1050	34 ~ 57	89.00%		
	EUC-060S180DTM/DVM0006 ★	1200	25 ~ 50	89.00%		
	EUC-060S180DTM/DVM0004 ★	1400	21 ~ 43	88.00%		
	EUC-060S180DTM/DVM ★	1800	20 ~ 33	87.00%		
	EUC-060S070STM/SVM0004	500	60 ~ 120	90.00%	85,800 Tc= 70°C	112(95) × 64 × 32
	EUC-060S070STM/SVM	700	48 ~ 86	89.00%		
	EUC-060S105STM/SVM0004	860	35 ~ 70	89.00%		
	EUC-060S105STM/SVM	1050	34 ~ 57	89.00%		
	EUC-060S180STM/SVM0006 ★	1200	25 ~ 50	89.00%		
	EUC-060S180STM/SVM0004 ★	1400	21 ~ 43	88.00%		
	EUC-060S180STM/SVM ★	1800	20 ~ 33	87.00%		

★ : Class 2 Model



» Inventronics Advantages

- High Efficiency (Up to 95.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programability
- Input Voltage Range: 90 ~ 305Vac
- Thermal Sensing and Protection for LED Module
- Output Lumen Compensation
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: OVP, SCP, OTP
- IP67 and UL Dry / Damp / Wet Location
- Always-on Auxiliary Power: 12Vdc, 200mA (Transient Peak Current up to 400mA)
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 7-Year Warranty

» About EUD

Inventronics EUD family of Controls-Ready programmable outdoor drivers is designed to provide additional features to existing product lines. Their Dim-to-Off capabilities make them easier to integrate with sensors and control systems providing optimal flexibility. They also offer superior surge protection, better thermal performance and higher efficiency and reliability than most competitors.

» Dimming Functions

- 0-10V / PWM / 3-Timer-Modes (DT / DV / DTA / DVA Models)
- DALI / 3-Timer-Modes (BT / BV / BTA / BVA Models)
- Dim-to-Off with Standby Power ≤ 0.5 W
- Digital Dimming Optional

» Safety Certifications



» Power Levels

75W 96W 150W 200W 240W 320W 480W 600W

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
75	EUD-075S070BT/BV/DT/DV	450 ~ 700	54 ~ 167	91.00%	98,000 Tc= 70°C	182(155) × 67.5 × 36.5
	EUD-075S105BT/BV/DT/DV	700 ~ 1050	36 ~ 107	91.00%		
	EUD-075S175BT/BV/DT/DV	1190 ~ 1750	22 ~ 63	90.50%		
	EUD-075S180DT ★	1400 ~ 1800	22 ~ 54	90.50%		
	EUD-075S280BT/BV/DT/DV ★	1920 ~ 2800	14 ~ 39	89.50%		
96	EUD-096S070BTA/BVA/DTA/DVA	450 ~ 700	74 ~ 213	91.50%	104,000 Tc= 70°C	201(180) × 67.5 × 36.5
	EUD-096S105BTA/BVA/DTA/DVA	700 ~ 1050	48 ~ 137	92.50%		
	EUD-096S210BTA/BVA/DTA/DVA	1400 ~ 2100	24 ~ 69	93.00%		
	EUD-096S215DTA ★	1750 ~ 2150	24 ~ 55	92.50%		
	EUD-096S350BTA/BVA/DTA/DVA ★	2450 ~ 3500	14 ~ 39	91.00%		
150	EUD-150S105BTA/BVA/DTA/DVA	700 ~ 1050	75 ~ 214	94.00%	100,000 Tc= 70°C	225(204) × 67.5 × 39.7
	EUD-150S210BTA/BVA/DTA/DVA	1400 ~ 2100	38 ~ 107	94.00%		
	EUD-150S350BTA/BVA/DTA/DVA	2450 ~ 3500	22 ~ 61	93.50%		
	EUD-150S560BTA/BVA/DTA/DVA	3850 ~ 5600	14 ~ 39	92.50%		
200	EUD-200S105BTA/BVA/DTA/DVA	700 ~ 1050	95 ~ 286	94.50%	108,000 Tc= 70°C	231(210) × 67.5 × 39.5
	EUD-200S210BTA/BVA/DTA/DVA	1400 ~ 2100	48 ~ 143	94.00%		
	EUD-200S350BTA/BVA/DTA/DVA	2450 ~ 3500	29 ~ 82	93.50%		
	EUD-200S560BTA/BVA/DTA/DVA	3850 ~ 5600	18 ~ 52	93.00%		
240	EUD-240S105BTA/BVA/DTA/DVA	700 ~ 1050	114 ~ 343	94.00%	96,000 Tc= 70°C	240(219) × 67.5 × 39.7
	EUD-240S150BTA/BVA	1050 ~ 1500	80 ~ 229	93.00%		
	EUD-240S210BTA/BVA/DTA/DVA	1400 ~ 2100	57 ~ 171	93.50%		
	EUD-240S420BTA/BVA/DTA/DVA	2800 ~ 4200	29 ~ 86	93.00%		
	EUD-240S670BTA/BVA/DTA/DVA	4450 ~ 6700	18 ~ 54	93.00%		
320	EUD-320S150BT/BV/DT/DV	1050 ~ 1500	107 ~ 305	94.00%	97,000 Tc= 70°C	251(225) × 98 × 44.8
	EUD-320S220BT/BV/DT/DV	1540 ~ 2200	73 ~ 208	93.50%		
	EUD-320S320BT/BV/DT/DV	2240 ~ 3200	50 ~ 143	93.50%		
	EUD-320S460BT/BV/DT/DV	3220 ~ 4600	35 ~ 100	93.50%		
	EUD-320S670BT/BV/DT/DV	4690 ~ 6700	24 ~ 68	93.50%		
480	EUD-480S140DT/DV	1050 ~ 1400	171 ~ 457	95.00%	91,000 Tc= 70°C	262(235) × 125 × 43.5
	EUD-480S280DT/DV	2100 ~ 2800	86 ~ 228	94.00%		
	EUD-480S420DT/DV	3150 ~ 4200	57 ~ 152	94.50%		
	EUD-480S560DT/DV	4350 ~ 5600	43 ~ 110	94.00%		
	EUD-480S10ADT/DV	7500 ~ 10000	24 ~ 64	94.00%		
600	EUD-600S140DT/DV/BT/BV	1100 ~ 1400	214 ~ 545	94.50%	90,000 Tc= 70°C	275(250) × 144 × 48.5
	EUD-600S170DT/DV	1360 ~ 1700	176 ~ 441	94.00%		
	EUD-600S210DT/DV	1680 ~ 2100	143 ~ 357	94.50%		
	EUD-600S280BT/BV/DT/DV	2240 ~ 2800	108 ~ 268	95.00%		
	EUD-600S420BT/BV/DT/DV	3360 ~ 4200	72 ~ 178	94.50%		
	EUD-600S560BT/BV/DT/DV	4480 ~ 5600	54 ~ 134	94.50%		
	EUD-600S740BT/BV/DT/DV	5920 ~ 7400	41 ~ 101	94.00%		
	EUD-600S980BT/BV/DT/DV	7840 ~ 9800	31 ~ 76	94.00%		
EUD-600S12ADT/DV	10000 ~ 12500	24 ~ 60	94.00%			

★ : Class 2 Model



» **Inventronics Advantages**

- High Efficiency (Up to 93.5%)
- Innovative Design without Electrolytic Capacitors
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programability
- Input Voltage Range: 90 ~ 305Vac
- Always-on Auxiliary Power: 12Vdc, 200mA
- Thermal Sensing and Protection for LED Module
- Output Lumen Compensation
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: OVP, SCP, OTP
- IP67 and UL Dry / Damp / Wet Location
- Class 2 & SELV Output Models Available
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 10-Year Warranty

» **About EUD-L**

The EUD-DTL / DVL series consists of industry leading Controls-Ready, programmable LED drivers offer an ultra-long lifetime and are backed by a 10-year warranty. Their novel design eliminates electrolytic capacitors which is the key limitation in lifetime for traditional driver designs and incorporates other unique design features to provide a more robust driver for applications requiring an extremely long operation life. They provide a high level of flexibility with several models supplying 96W-240W power ranges, programmable output currents from 450-6700mA and multiple dimming options.

» **Dimming Functions**

- 0-10V / PWM / 3-Timer-Modes
- Dim-to-Off with Standby Power ≤ 0.5 W

» **Safety Certifications**



» **Power Levels**

96W 150W 240W

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
96	EUD-096S070DTL/DVL	450 ~ 700	74 ~ 213	92.50%	100,000 Tc= 85°C	201(180) × 67.5 × 36.5
	EUD-096S105DTL/DVL	700 ~ 1050	48 ~ 137	92.00%		
	EUD-096S210DTL/DVL	1400 ~ 2100	24 ~ 69	91.50%		
	EUD-096S215DTL ★	1750 ~ 2150	24 ~ 55	91.00%		
	EUD-096S350DTL/DVL ★	2450 ~ 3500	14 ~ 39	91.50%		
150	EUD-150S070DTL/DVL	450 ~ 700	117 ~ 333	93.00%	100,000 Tc= 85°C	209(188) × 67.5 × 39.7
	EUD-150S105DTL/DVL	700 ~ 1050	75 ~ 214	93.00%		
	EUD-150S210DTL/DVL	1400 ~ 2100	38 ~ 107	92.50%		
	EUD-150S350DTL/DVL	2450 ~ 3500	22 ~ 61	92.00%		
	EUD-150S560DTL/DVL	3850 ~ 5600	14 ~ 39	91.00%		
240	EUD-240S105DTL/DVL	700 ~ 1050	114 ~ 343	93.50%	100,000 Tc= 85°C	246(225) × 67.5 × 39.7
	EUD-240S210DTL/DVL	1400 ~ 2100	57 ~ 171	93.50%		
	EUD-240S420DTL/DVL	2800 ~ 4200	29 ~ 86	92.50%		
	EUD-240S670DTL/DVL	4450 ~ 6700	18 ~ 54	92.50%		

★ : Class 2 Model



» Inventronics Advantages

- High Efficiency (Up to 93.5%)
- Constant-Voltage Output
- Input Voltage Range Up to: 90 ~ 305Vac
- Input Surge Protection Up to: DM 6kV, CM 10kV
- All-Around Protection: OVP, SCP, OTP, OCP
- IP67 and UL Dry / Damp / Wet Location
- Class 2 & SELV Output Models Available
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

» About EUV

Inventronics EUV Series offers a broad portfolio of constant-voltage LED drivers providing flexibility with a wide-range of power and voltage levels. They provide extreme durability with an IP67 rating, encapsulated design for enhanced thermal conduction and protection against vibration, as well as a high level of built-in surge protection.

» Dimming Functions

- Isolated 0-10V (DTA / DVA Models)

» Safety Certifications



» Power Levels

26W 76W 96W 150W 200W 250W 300W 600W

Output Power (W)	Model No.	Output Current Range (A)	Output Voltage (Vdc)	Eff. @ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
26	EUV-026S024PS ★	0 ~ 1.08	24	84.00%	91,100 Tc= 60°C	78 × 80 × 27
	EUV-026S036PS ★	0 ~ 0.72	36	85.00%		
	EUV-026S048PS ★	0 ~ 0.54	48	86.00%		
76	EUV-076S012ST/SV ★	0 ~ 5.00	12	87.00%	51,000 Tc= 65°C	177(150) × 67.5 × 36.5
	EUV-076S024ST/SV ★	0 ~ 3.17	24	88.00%		
	EUV-076S036ST/SV ★	0 ~ 2.11	36	89.00%		
	EUV-076S042ST/SV ★	0 ~ 1.81	42	89.00%		
	EUV-076S048ST/SV ★	0 ~ 1.58	48	89.00%		
	EUV-076S054ST/SV ★	0 ~ 1.41	54	90.00%		
96	EUV-096S024ST/SV ★	0 ~ 4.00	24	88.00%	56,600 Tc= 60°C	201(174) × 67.5 × 36.5
	EUV-096S036ST/SV ★	0 ~ 2.66	36	88.00%		
	EUV-096S048ST/SV ★	0 ~ 2.00	48	88.00%		
	EUV-096S054ST/SV ★	0 ~ 1.77	54	90.00%		
150	EUV-150S012ST/SV	0 ~ 12.50	12	92.00%	77,200 Tc= 60°C	226(199) × 67.5 × 39.5
	EUV-150S024ST/SV	0 ~ 6.25	24	93.00%		
	EUV-150S036ST/SV	0 ~ 4.17	36	93.00%		
	EUV-150S042ST/SV	0 ~ 3.57	42	93.00%		
	EUV-150S048ST/SV	0 ~ 3.13	48	93.00%		
	EUV-150S054ST/SV	0 ~ 2.78	54	93.00%		
	EUV-150S012STA/SVA/DTA/DVA	0 ~ 12.50	12	90.00%	89,000 Tc= 70°C	201(180) × 67.5 × 36.5
	EUV-150S024STA/SVA/DTA/DVA	0 ~ 6.25	24	90.50%		
200	EUV-200S012ST/SV	0 ~ 15.00	12	91.00%	95,200 Tc= 60°C	226(199) × 67.5 × 39.5
	EUV-200S024ST/SV	0 ~ 8.33	24	92.00%		
	EUV-200S036ST/SV	0 ~ 5.56	36	92.00%		
	EUV-200S042ST/SV	0 ~ 4.76	42	92.50%		
	EUV-200S048ST/SV	0 ~ 4.17	48	92.50%		
	EUV-200S054ST/SV	0 ~ 3.70	54	92.50%		
250	EUV-250S012ST/SV	0 ~ 18.33	12	91.50%	59,400 Tc= 60°C	251(224) × 90 × 37
	EUV-250S024ST/SV	0 ~ 10.41	24	92.00%		
	EUV-250S028ST/SV	0 ~ 8.93	28	92.00%		
	EUV-250S036ST/SV	0 ~ 6.94	36	92.50%		
	EUV-250S042ST/SV	0 ~ 5.95	42	92.50%		
	EUV-250S048ST/SV	0 ~ 5.20	48	93.00%		
	EUV-250S054ST/SV	0 ~ 4.62	54	93.50%		
300	EUV-300S012ST/SV	0 ~ 22.90	12	91.50%	58,000 Tc= 60°C	251(224) × 98 × 44.5
	EUV-300S024ST/SV	0 ~ 12.50	24	91.00%		
	EUV-300S028ST/SV	0 ~ 10.71	28	91.50%		
	EUV-300S036ST/SV	0 ~ 8.33	36	92.00%		
	EUV-300S042ST/SV	0 ~ 7.14	42	92.00%		
	EUV-300S048ST/SV	0 ~ 6.25	48	92.50%		
	EUV-300S054ST/SV	0 ~ 5.56	54	93.00%		
600	EUV-600S048SV	0 ~ 12.50	48	92.50%	106,000 Tc= 70°C	275(250) × 144 × 48.5
	EUV-600S054SV	0 ~ 11.20	54	93.00%		

★ : Class 2 Model



EUR

» Inventronics Advantages

- Inventronics Patented Metal Case
- High Efficiency (Up to 92.5%)
- Full Power at Wide Output Current Range (Constant Power)
- Input Voltage Range: 90 ~ 305Vac
- Adjustable Output Current (AOC) with Potentiometer (Sx)
- Adjustable Output Current (AOC) with Programmability (Dx)
- Dim-to-Low-Voltage (DTLV) with Standby Power $\leq 0.5W$ (Function Selectable)
- Input Surge Protection: DM 6kV, CM 6kV
- All-Around Protection: OVP, SCP, OTP
- IP65 and UL Dry / Damp / Wet Location
- SELV Output
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

» Dimming Functions

- Isolated 0-10V / 10V PWM/3-Timer-Modes Dimmable (Dx Models)

» Safety Certifications



» Power Levels

160W 250W 320W

» About EUR

Inventronics EUR Series offer a unique, circular shape making them easier to install and provide a more sleek, streamlined appearance. They are available in packages accommodating rink or hook mounting and three different case colors to fit perfectly with any lighting fixture. The EUR Series is available in both dimming and non-dimming models with programmable or adjustable output currents and longer lifetimes.

» Accessories for EUR (160W/250W)



BLT-M1000

» Accessories for EUR (320W)



BLT-M1200



HKK-D1500

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (∅*H)(mm)
160	EUR-160S420Dx/Sx ①	3000 ~ 4200	34 ~ 54	91.50%	98,000 T _c = 70°C	∅ 130 x 62
250	EUR-250S670Dx/Sx	4600 ~ 6700	34 ~ 54	92.00%	106,000 T _c = 70°C	∅ 145 x 66.5
320	EUR-320S460Dx/Sx	3220 ~ 4600	35 ~ 100	92.50%	75,000 T _c = 70°C	∅ 190 x 79.6
	EUR-320S670Dx/Sx	4690 ~ 6700	24 ~ 68	92.50%		

① : x=G are UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models.



» Inventronics Advantages

- High Efficiency (Up to 90.5%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programability
- Input Voltage Range: 90 ~ 305Vac
- Always-on Auxiliary Power: 12Vdc, 200mA
- Flicker-Free
- Thermal Sensing and Protection for LED Module
- Output Lumen Compensation
- Class II, Class 2 & SELV Output Models Available
- Suitable for Built-in Use
- Class P, UL Listed Versions Available
- 5-Year Warranty

» Dimming Functions

- 0-10V / PWM / 3-Timer-Modes (DSF / DS2 Models)
- DALI / Push Dim (BSF / BS2 Models)
- Dim-to-off with Standby Power ≤ 0.5 W

» Safety Certifications



» Power Levels

40W 60W

» About LUD

Inventronics LUD Series is Controls-Ready and ideal for operation with a wide variety of sensors and controls. They provide customizable, constant-power output currents, multiple dimming options that are dimmable to 5% and low ripple for a flicker-free performance. They are IP20 rated and their slim, metal housing can fit in a multitude of luminaires giving OEMs the flexibility they need in their fixture design.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
60	LUD-060S055BS2	385 ~ 550	31 ~ 156	90.00%	107,000 Tc= 60°C	378 × 30 × 21
	LUD-060S078BS2	546 ~ 780	22 ~ 110	90.00%		
	LUD-060S110BS2	770 ~ 1100	16 ~ 78	90.00%		
	LUD-060S150BS2 ★	1050 ~ 1500	12 ~ 57	89.00%		
	LUD-060S210BS2 ★	1470 ~ 2100	8 ~ 40	89.00%		
	LUD-060S055DS2	385 ~ 550	31 ~ 156	90.50%	69,000 Tc= 70°C	
	LUD-060S078DS2	546 ~ 780	22 ~ 110	90.50%		
	LUD-060S110DS2	770 ~ 1100	16 ~ 78	90.50%		
	LUD-060S150DS2 ★	1050 ~ 1500	12 ~ 57	89.50%		
	LUD-060S210DS2 ★	1470 ~ 2100	8 ~ 40	88.00%		

★ : Class 2 Model



» Inventronics Advantages

- Adjustable Output Current (AOC) with NFC
- Full Power at Wide Output Current Range (Constant Power)
- Input Voltage Range: 90 ~ 305Vac
- Flicker-Free
- Input Surge Protection: DM 2kV, CM 2kV
- IP54 and UL Dry & Damp Location
- Class 2 & SELV output Models Available
- UL Class P
- Suitable for Class I Luminaires
- 5-Year Warranty

» Dimming Functions

- Isolated 0-10V (DT Models)

» About LUN

Inventronics LUN series introduces wireless programming for an easier installation process without utilizing connection leads and a wide range of constant-power output currents. They provide even more design flexibility with models offering flicker-free isolated 0-10V dimming down to 5% and UL Class P models. The LUN series are IP54 rated and deliver built-in surge protection and long lifetimes.

» Safety Certifications



» Power Levels

42W

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
42	LUN-042S105DT/ST ★	780 ~ 1050	20 ~ 54	87.50%	87,000 Tc= 70°C	95 × 70 × 32
	LUN-042S150DT/ST ★	1050 ~ 1500	14 ~ 40	86.00%		

★ : Class 2 Model



» Inventronics Advantages

- Three independent Output Channels and independent dimming
- Independent dimming and Dim-to-Off $\leq 0.5W$
- Power transfer settable when 100W channel is off status
- Ultra High Efficiency (Up to 95.0%)
- Input Voltage Range: 90 ~ 305Vac
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Maximum Dimming Level with 9V or 10V Selectable
- Fade Time Adjustable
- Always-on Auxiliary Power: 12Vdc, 250mA
- Low inrush current
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IOVP, IUVP, OVP, SCP, OTP
- Hot-plugging Protection
- Parallel LED Protection
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for use in a Class I, Division 2 hazardous (Classified) location
- 5-Year Warranty

» Dimming Functions

- Isolated 0-10V/PWM/3-Timer-Modes Dimmable
- INV Digital Dimming, UART Based Communication Protocol
- Dim-to-Off with Standby Power

» Safety Certifications



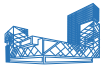
» Power Levels

1000W

» About EUM-1K0T

Inventronics 1000W multiple channels products support 3-channel luminaires and can adjust the current separately. It provides an auxiliary voltage and dim-to-off functionality for powering low voltage, wireless controls. Meanwhile, this series provide power transfer function when 100W channel is dimmed to off.

Model No.	Channel	Output Power (W)	Full-power Current Range (mA)	Output Voltage Range (Vdc)	Eff. @ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
EUM-1K0T14AMx	1	700 W	13000 ~ 14500	34 ~ 54	94.50%	100,000 Tc=70°C	349(324) × 144 × 48.5
	2	200 W	3700 ~ 5500	22 ~ 54			
	3	100 W	1850 ~ 2100	34 ~ 54			



ESM-Dx^①

» Inventronics Advantages

- High Efficiency (Up to 95.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Input Voltage Range: 249 ~ 528Vac
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous(Classified) Location
- 5-Year Warranty

» Dimming Functions

- Isolated 1-10V/10V PWM/3-Timer-Modes Dimmable

» Safety Certifications



» Power Levels

75W 100W 150W 240W 320W

» About ESM-Dx

The ESM-Dx series utilizes a cost-optimized design, compact housing and design flexibility without sacrificing quality, performance or surge protection. They operate at 249-528Vac and deliver versatility with a programmable output current without the need to power the driver and isolated dimming controls. The ESM-Dx series are reliable and rugged with an IP66/IP67 rating and long lifetimes. The DG series provides a global cable to reduce inventory SKUs, the DT Series are UL Class P recognized to offer a solution for a wide range of applications and regions.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
75	ESM-075S105Dx	700 ~ 1050	36 ~ 107	91.00%	102,000 Tc=70°C	142(125) × 67.5 × 38.5
	ESM-075S150Dx	1050 ~ 1500	25 ~ 72	89.50%		
	ESM-075S210Dx ★	1400 ~ 2100	18 ~ 54	89.00%		
100	ESM-100S105Dx	700 ~ 1050	48 ~ 143	92.00%	120,000 Tc=70°C	148(131) × 67.5 × 38.5
	ESM-100S150Dx	1050 ~ 1500	34 ~ 95	91.50%		
	ESM-100S280Dx ★	1750 ~ 2800	17 ~ 54	90.00%		
150	ESM-150S105Dx	700 ~ 1050	72 ~ 214	93.50%	105,000 Tc= 70°C	178(161) × 67.5 × 38.5
	ESM-150S150Dx	1050 ~ 1500	50 ~ 143	93.00%		
	ESM-150S210Dx	1400 ~ 2100	36 ~ 107	93.00%		
	ESM-150S420Dx	2800 ~ 4200	18 ~ 54	91.50%		
240	ESM-240S105Dx	700 ~ 1050	115 ~ 343	94.50%	100,000 Tc= 70°C	218(201) × 67.5 × 38.5
	ESM-240S150Dx	1050 ~ 1500	80 ~ 229	94.00%		
	ESM-240S350Dx	2150 ~ 3500	35 ~ 111	94.00%		
	ESM-240S670Dx	4200 ~ 6700	18 ~ 57	93.00%		
320	ESM-320S105Dx	700 ~ 1050	153 ~ 457	95.00%	104,000 Tc= 70°C	243(224) × 80 × 44.5
	ESM-320S150Dx	1050 ~ 1500	107 ~ 305	95.00%		
	ESM-320S250Dx	1750 ~ 2500	64 ~ 183	95.00%		
	ESM-320S500Dx	2850 ~ 5000	32 ~ 112	94.50%		
	ESM-320S760Dx	5350 ~ 7600	21 ~ 60	93.50%		

★ : Class 2 Model



» Inventronics Advantages

- High Efficiency (Up to 96.5%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Input Voltage Range: 249 ~ 528Vac
- Minimum Dimming Level with 5% or 10% Selectable
- Maximum Dimming Level with 9V or 10V Selectable
- Fade Time Adjustable
- Always-on Auxiliary Power: 12Vdc, 250mA, 3W (Transient Peak Power up to 10W)
- Low Inrush Current
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

» Dimming Functions

- Isolated 0-10V / PWM / 3-Timer-Modes Dimmable
- INV Digital Dimming, UART Based Communication Protocol
- Dim-to-Off with Low Standby Power

» Safety Certifications



» Power Levels

150W 240W 320W 680W 880W 1200W

» About ESM-Mx

The ESM-Mx family are high input voltage Controls-Ready drivers offering OEMs a cost-optimized solution. They provide design flexibility with full-power at a wide output current range. Their Controls-Ready features such as Dim-to-Off and an Always-On Auxiliary Power of 12Vdc, 250mA with a transient peak up to 10W to better power occupancy and daylight sensors. The ESM-Mx operate on a vast array of lighting control networks via a 0-10V dimming input. These IP66/IP67 drivers have industry-leading built-in surge protection and longer lifetimes for harsh environmental applications. They provide the added convenience of UL Class P (MT series) and models with a global cable to reduce inventory SKUs (MG series).

» About ESM-MGS

The ESM-MGS provides the added convenience of the panel mount connection with brackets for easier installation. They provide design flexibility with full-power at a wide output current range. Their Controls-Ready features such as Dim-to-Off and an Always-On Auxiliary Power of 12Vdc, 250mA with a transient peak up to 10W to better power occupancy and daylight sensors.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
150	ESM-150S105Mx	700 ~ 1050	72 ~ 214	93.50%	100,000 Tc=70°C	178(161)× 76.5× 38.5
	ESM-150S150Mx	1050 ~ 1500	50 ~ 143	93.00%		
	ESM-150S210Mx	1400 ~ 2100	36 ~ 107	92.50%		
	ESM-150S420Mx	2800 ~ 4200	18 ~ 54	92.00%		
240	ESM-240S105Mx	700 ~ 1050	115 ~ 343	94.00%	106,000 Tc= 70°C	218(201) × 76.5 × 38.5
	ESM-240S150Mx	1050 ~ 1500	80 ~ 229	93.50%		
	ESM-240S350Mx	2150 ~ 3500	35 ~ 111	93.00%		
	ESM-240S670Mx	4200 ~ 6700	18 ~ 57	92.50%		
320	ESM-320S105Mx	700 ~ 1050	153 ~ 457	95.00%	105,000 Tc= 70°C	243(224) × 85 × 44.5
	ESM-320S150Mx	1050 ~ 1500	107 ~ 305	94.50%		
	ESM-320S250Mx	1750 ~ 2500	64 ~ 183	94.50%		
	ESM-320S500Mx	2850 ~ 5000	32 ~ 112	94.00%		
	ESM-320S760Mx	5350 ~ 7600	21 ~ 60	94.00%		
680	ESM-680S170Mx/MGS	1250 ~ 1700	200 ~ 544	96.00%	102,000 Tc= 70°C	Mx: 275(250) × 135 × 46 MGS: 300(275) × 151 × 46
	ESM-680S240Mx/MGS	1800 ~ 2400	141.5 ~ 378	95.50%		
	ESM-680S350Mx/MGS	2600 ~ 3500	97.1 ~ 262	95.50%		
	ESM-680S560Mx/MGS	4200 ~ 5600	60.7 ~ 163	95.50%		
	ESM-680S840Mx/MGS	6300 ~ 8400	40.4 ~ 108	95.50%		
	ESM-680S15AMx/MGS	12600 ~ 15600	22.6 ~ 54	94.50%		
880	ESM-880S280Mx/MGS	1950 ~ 2800	157 ~ 452	96.00%	100,000 Tc= 70°C	Mx: 275(250)×144 × 48.5 MGS: 300(275) × 160 × 48.5
	ESM-880S420Mx/MGS	3000 ~ 4200	104 ~ 294	95.50%		
	ESM-880S700Mx/MGS	4900 ~ 7000	63 ~ 180	96.00%		
	ESM-880S11AMx/MGS	8000 ~ 11500	38 ~ 110	95.00%		
	ESM-880S20AMx/MGS	16300 ~ 20000	22 ~ 554	95.50%		
1200	ESM-1K2S350Mx/MGS	2600 ~ 3500	171 ~ 462	96.50%	101,000 Tc= 70°C	Mx: 310(285) × 141 × 48.5 MGS: 325(300) × 166.5 × 49.5
	ESM-1K2S525Mx/MGS	3950 ~ 5250	114 ~ 304	96.00%		
	ESM-1K2S740Mx/MGS	5550 ~ 7400	81 ~ 217	96.50%		



Common Features

- High Efficiency (Up to 96.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- Input Voltage Range: 249 ~ 528Vac
- Low Inrush Current
- Integrated Power Metering with High Accuracy Up to $\pm 1\%$
- Output Lumen Compensation
- End-of-Life Indicator
- Thermal Sensing and Protection for LED Module
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

Dimming Functions

- Dim-to-Off with Low Standby Power
- Isolated 0-10V/PWM/3-Timer-Modes Dimmable (Lx Models)
- DALI-2/3-Timer-Modes (Bx Models)

Safety Certifications



Power Levels

100W 150W 240W 320W 680W

ESM-Lx Version Features

- INV Digital Dimming, UART Based Communication Protocol Compliant with T/CSA-051
- Always-on Auxiliary Power: 12Vdc, 250mA, 3W (Transient Peak Power up to 10W)

ESM-Bx Version Features

- DALI-2 and D4i Certified
- Integrated 16Vdc Bus Power Supply based on DALI-2
- Always-on Auxiliary Power: 24Vdc, 125mA, 3W (Transient Peak Power up to 10W)

About ESM-Lx

The ESM-Lx series is high input voltage LED drivers that operate on a vast array of lighting control networks via the 0-10V dimming input. They provide OEMs with reduced production and labor costs and increased time savings with wireless programming via NFC. The ESM-Lx series is Controls-Ready with Dim-to-Off and Always-On Auxiliary Power of 12Vdc, 250mA with a transient peak up to 10W. They also provide the added convenience of integrated power monitoring allowing users to measure energy consumption.

For even more convenience, they provide two-way communication via Inventronics proprietary digital dimming providing health monitoring capabilities. These IP66 & IP67 LED driver series have industry-leading built-in surge protection and provide the added convenience of UL Class P models (LT Series) and models with a Global cable to help reduce inventory SKUs (LG Series).

About ESM-Bx

The ESM-Bx series is DALI-2 D4i certified to allow them to track and monitor health diagnostics for the LED drivers, provide plug and play controls and standardizes intra-luminaire designs. They are extremely flexible with wireless programmability via Near Field Communication (NFC) to help OEMs streamline production and simplify installation. The ESM-Bx series is Controls-Ready with Dim-to-Off and Always-On Auxiliary Power of 24Vdc, 125mA with a transient peak up to 10W. They also provide the added convenience of integrated power monitoring allowing users to measure energy consumption. The BG models utilize globally accepted cables that help reduce SKUs, the BT models provide UL Class P certification.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
100 (Update)	ESM-100S105Bx	700 ~ 1050	48 ~ 143	92.00%	100,000 Tc=70°C	148(131) × 76.5 × 38.5
	ESM-100S150Bx	1050 ~ 1500	34 ~ 95	91.50%		
	ESM-100S280Bx	1750 ~ 2800	17 ~ 54	90.50%		
150	ESM-150S105Bx	700 ~ 1050	72 ~ 214	93.00%	100,000 Tc=70°C	178(161) × 76.5 × 38.5
	ESM-150S150Bx	1050 ~ 1500	50 ~ 143	93.00%		
	ESM-150S210Bx	1400 ~ 2100	36 ~ 107	92.50%		
	ESM-150S420Bx	2800 ~ 4200	18 ~ 54	92.00%		
240	ESM-240S105Lx/Bx	700 ~ 1050	115 ~ 343	94.00%	106,000 Tc=70°C	218(201) × 76.5 × 38.5
	ESM-240S150Lx/Bx	1050 ~ 1500	80 ~ 229	93.50%		
	ESM-240S350Lx/Bx	2150 ~ 3500	35 ~ 111	93.00%		
	ESM-240S670Lx/Bx	4200 ~ 6700	18 ~ 57	92.50%		
320	ESM-320S105Lx/Bx	700 ~ 1050	153 ~ 457	95.00%	105,000 Tc=70°C	243(224) × 85 × 44.5
	ESM-320S150Lx/Bx	1050 ~ 1500	107 ~ 305	94.50%		
	ESM-320S250Lx/Bx	1750 ~ 2500	64 ~ 183	94.50%		
	ESM-320S500Lx/Bx	2850 ~ 5000	32 ~ 112	94.00%		
	ESM-320S760Lx/Bx	5350 ~ 7600	21 ~ 60	94.00%		
680	ESM-680S170BG	1250 ~ 1700	200 ~ 544	96.00%	102,000 Tc=70°C	275(250) × 135 × 46
	ESM-680S240BG	1800 ~ 2400	141.5 ~ 378	95.50%		
	ESM-680S350BG	2600 ~ 3500	97.1 ~ 262	95.50%		
	ESM-680S560BG	4200 ~ 5600	60.7 ~ 163	95.50%		
	ESM-680S840BG	6300 ~ 8400	40.4 ~ 108	95.50%		
	ESM-680S15ABG	12600 ~ 15000	22.6 ~ 54	94.50%		



ESM-1K0D/1K0T

Common Features

- Three independent Output Channels and independent dimming
- Independent dimming and Dim-to-Off
- Power transfer settable when 100W channel is off status
- Ultra High Efficiency (Up to 95.0%)
- Input Voltage Range: 249 ~ 528Vac
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC)with Programmability
- Maximum Dimming Level with 9V or 10V Selectable
- Fade Time Adjustable
- Always-on Auxiliary Power: 12Vdc, 250mA
- Low inrush current
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IOVP, IUVP, OVP, SCP, OTP
- Hot-plugging Protection
- Parallel LED Protection
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

Dimming Functions

- Isolated 0-10V/PWM/3-Timer-Modes Dimmable
- INV Digital Dimming, UART Based Communication Protocol
- Dim-to-Off with Standby Power

Safety Certifications



Power Levels

1000W

About ESM-1K0D/1K0T

Inventronics 1000W multiple channels products support 2/3-channel luminaires and can adjust the current separately. It provides an auxiliary voltage and dim-to-off functionality for powering low voltage, wireless controls. Meanwhile, this series provide power transfer function when 100W channel is dimmed to off.

Model No.	Channel	Output Power (W)	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
ESM-1K0T14AMx	1	1000 W	13000 ~ 14500	34 ~ 54	95.00%	100,000 Tc=70°C	349(324) × 144 × 48.5
	2		3700 ~ 5500	22 ~ 54			
	3		1850 ~ 2100	34 ~ 54			
ESM-1K0D610Mx	1	1000 W	4600 ~ 6100	110 ~ 195	95.00%	100,000 Tc=70°C	349(324) × 144 × 48.5
	2		1850 ~ 2100	34 ~ 54			



SSM

Common Features

- High Efficiency (Up to 96.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Input Voltage Range: 249-528Vac
- Fade Time Adjustable
- Output Lumen Compensation
- End-of-Life Indicator
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- Input Surge Protection Up to: DM 6kV, CM 10kV
- 5-Year Warranty

Safety Certifications



Power Levels

220W 330W 440W 760W 1000W

220W, 330W, 440W Features

- 43.5mm Width
- Maximum Dimming Level with 9V or 10V Selectable
- Dim-to-Off with Standby Power (MF Models)
- Dim-to-Low-Voltage(DTLV) with Standby Power (HF Models)
- Isolated 0-10V/10V PWM/3-Timer-Modes
- Always-on Auxiliary Power: 12Vdc, 250mA (MF Models)
- Low Inrush Current (Above 220W)
- IP65 and UL Dry / Damp
- All-Around Protection: OVP, SCP, OTP

760W, 1000W Features

- 90mm Width
- Maximum Dimming Level with 9V or 10V Selectable
- Minimum Dimming Level with 5% or 10% Selectable
- INV Digital Dimming, UART Based Communication Protocol
- Isolated 0-10V/PWM/3-Timer-Modes
- Always-on Auxiliary Power: 12Vdc, 250mA
- Dim-to-Off with Standby Power
- Hot-plugging Protection
- Parallel LED Protection
- IP66 / IP67 and UL Dry / Damp / Wet Location
- All-Around Protection: IOVP, IUVP, OVP, SCP, OTP

About SSM

The SSM family is slim products for horticulture industry and other applications requiring a linear form factor with an input voltage range of 249-528Vac. They provide high efficiency to reduce electricity consumption.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff. @ 480Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
220	SSM-220S530MF/HF	4100 ~ 5300	34 ~ 54	94.00%	100,000 TC=70°C	334(290) × 43.5 × 31.5
330	SSM-330S690MF/HF	6100 ~ 6900	34 ~ 54	94.50%	100,000 TC=70°C	416(392) × 43.5 × 31.5
440	SSM-440S920MF/HF	8200 ~ 9200	34 ~ 54	94.50%	100,000 TC=70°C	426(402) × 43.5 × 31.5
760 (Update)	SSM-760S15AMG/MT	14000 ~ 15800	34 ~ 54	95.00%	100,000 TC=70°C	379(354) × 90 × 48.5
	SSM-760S15AMGS	14000 ~ 15800	34 ~ 54	95.00%	100,000 TC=70°C	415(390) × 108 × 48.5
	SSM-760S15AMGR	14000 ~ 15800	34 ~ 54	95.00%	100,000 Tc=70°C	415(390) × 108 × 48.5
1000 (Update)	SSM-1K0S21AMG/MT	18500 ~ 21000	34 ~ 54	96.00%	100,000 Tc=70°C	414(389) × 90 × 48.5
	SSM-1K0S21AMGS	18500 ~ 21000	34 ~ 54	96.00%	100,000 Tc=70°C	450(425) × 108 × 48.5
	SSM-1K0S21AMGR	18500 ~ 21000	34 ~ 54	96.00%	100,000 Tc=70°C	414(389) × 90 × 48.5
	SSM-1K0S840MG/MT	6700 ~ 8400	84 ~ 149	95.50%	100,000 Tc=70°C	414(389) × 90 × 48.5
	SSM-1K0S840AMGS	6700 ~ 8400	84 ~ 149	95.50%	100,000 Tc=70°C	450(425) × 108 × 48.5
	SSM-1K0S840AMGR	6700 ~ 8400	84 ~ 149	95.50%	100,000 Tc=70°C	414(389) × 90 × 48.5



» **Inventronics Advantages**

- High Efficiency (Up to 95.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Thermal Sensing and Protection for LED Module
- Input Voltage Range: 249 ~ 528Vac
- Always-on Auxiliary Power: 12Vdc, 200mA
- Output Lumen Compensation
- Input Surge Protection Up to: DM 6kV, CM 10kV
- All-Around Protection: OVP, SCP, OTP
- IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

» **Dimming Functions**

- 0-10V / PWM / 3-Timer-Modes
- Dim-to-Off with Standby Power \leq 1.5W

» **Safety Certifications**



» **Power Levels**

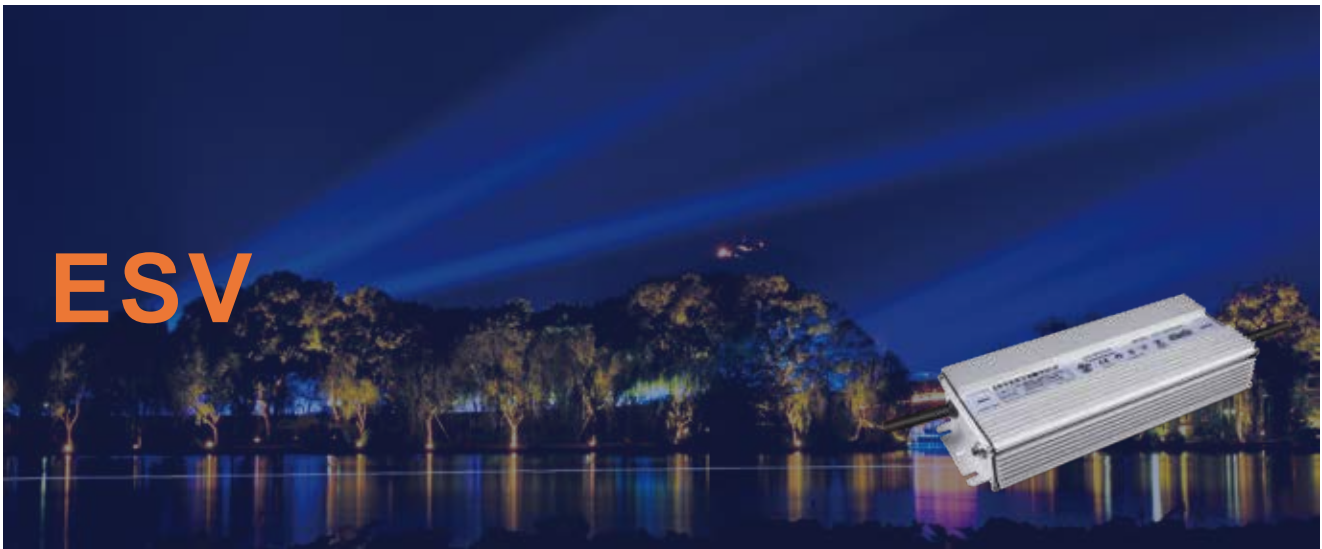
96W 150W 240W 320W 480W 600W

» **About ESD**

Inventronics high input voltage, programmable ESD family comprises the broadest portfolio of high power LED drivers in the industry that operate from 277Vac to 480Vac. These Controls-Ready drivers offer multiple dimming capabilities and programmability providing more project flexibility, better energy savings and more convenience.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
96	ESD-096S090DT	450 ~ 900	64 ~ 214	90.50%	108,000 Tc= 70°C	239(212) × 67.5 × 36.5
	ESD-096S180DT	900 ~ 1800	32 ~ 107	90.50%		
	ESD-096S360DT ★	1800 ~ 3600	16 ~ 53	89.50%		
150	ESD-150S105DT	700 ~ 1050	75 ~ 214	94.50%	99,000 Tc= 70°C	242(221) × 67.5 × 39.7
	ESD-150S210DT	1400 ~ 2100	38 ~ 107	94.00%		
	ESD-150S350DT	2450 ~ 3500	22 ~ 61	93.00%		
	ESD-150S560DT	3850 ~ 5600	14 ~ 39	93.00%		
240	ESD-240S100DT	700 ~ 1000	120 ~ 343	94.00%	114,000 Tc= 70°C	262(241) × 67.5 × 39.7
	ESD-240S150DT	1050 ~ 1500	80 ~ 229	93.50%		
	ESD-240S220DT	1540 ~ 2200	55 ~ 156	93.00%		
	ESD-240S320DT	2240 ~ 3200	38 ~ 107	93.00%		
	ESD-240S460DT	3220 ~ 4600	27 ~ 75	93.00%		
	ESD-240S660DT	4620 ~ 6600	19 ~ 52	92.50%		
320	ESD-320S150DT/DV	1050 ~ 1500	107 ~ 305	94.00%	120,000 Tc= 70°C	261(234) × 98 × 44.8
	ESD-320S220DT/DV	1540 ~ 2200	73 ~ 208	94.50%		
	ESD-320S310DT/DV	2170 ~ 3100	52 ~ 148	94.00%		
	ESD-320S440DT/DV	3080 ~ 4400	37 ~ 104	94.00%		
	ESD-320S620DT/DV	4340 ~ 6200	26 ~ 74	93.50%		
480	ESD-480S140DT/DV	1050 ~ 1400	171 ~ 457	95.00%	102,000 Tc= 70°C	262(235) × 125 × 43.5
	ESD-480S280DT/DV	2100 ~ 2800	86 ~ 228	94.50%		
	ESD-480S420DT/DV	3150 ~ 4200	57 ~ 152	94.00%		
	ESD-480S560DT/DV	4350 ~ 5600	43 ~ 110	93.50%		
	ESD-480S10ADT/DV	7500 ~ 10000	24 ~ 64	93.50%		
600	ESD-600S170DT/DV	1360 ~ 1700	176 ~ 441	95.00%	101,000 Tc= 70°C	276(250) × 144 × 48.5
	ESD-600S210DT/DV	1680 ~ 2100	143 ~ 357	95.00%		
	ESD-600S280DT/DV	2240 ~ 2800	108 ~ 268	94.50%		
	ESD-600S420DT/DV	3360 ~ 4200	72 ~ 178	95.00%		
	ESD-600S560DT/DV	4480 ~ 5600	54 ~ 134	95.00%		
	ESD-600S740DT/DV	5920 ~ 7400	41 ~ 101	94.50%		
	ESD-600S980DT/DV	7840 ~ 9800	31 ~ 76	94.00%		
	ESD-600S12ADT/DV	10000 ~ 12500	24 ~ 60	94.00%		

★ : Class 2 Model



» **Inventronics Advantages**

- High Efficiency (Up to 93.5%)
- Constant Voltage Output
- Input Voltage Range: 249 ~ 528Vac
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: OTP, OVP, SCP ,OCP
- SELV Output
- IP67 and UL Dry / Damp and Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

» **Safety Certifications**



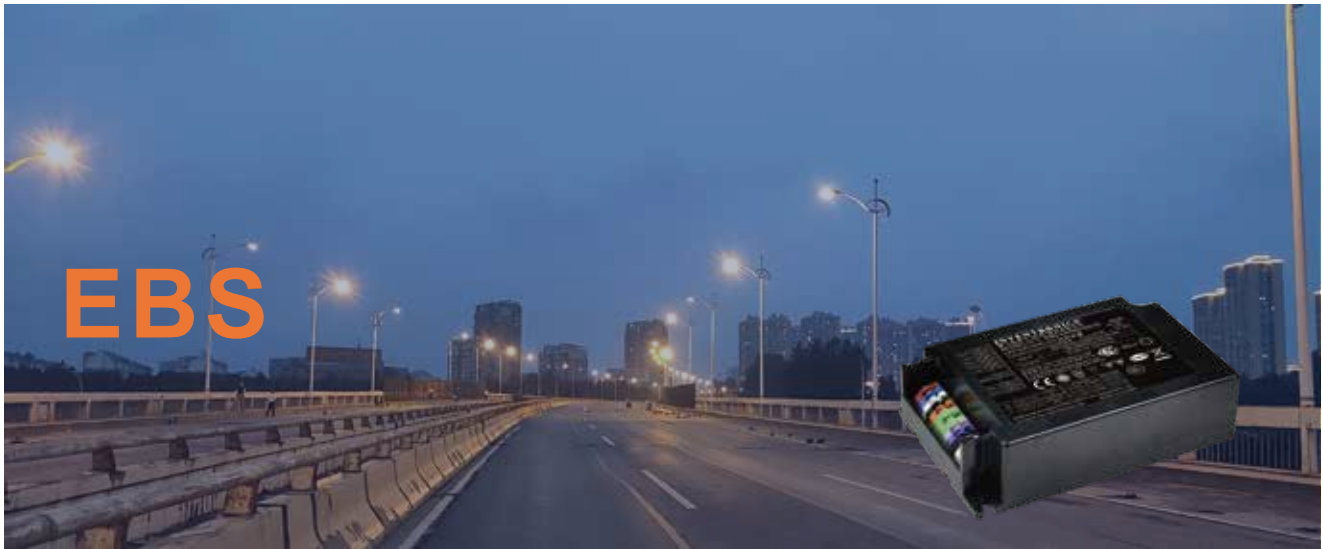
» **Power Levels**

320W 600W

» **About ESV**

Inventronics ESV Series provides high input voltage, constant-voltage models that are rugged, reliable and a great option for lighting in challenging applications. They offer industry-leading surge protection, long lifetimes and an IP67 rating. The ESV series also delivers a convenient, reliable dc voltage to the project' s circuitry and provide the bus voltage in a distributed architecture application.

Output Power (W)	Model No.	Output Current Range (A)	Output Voltage (Vdc)	Eff. @ 480Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
320	ESV-320S024ST/SV	0 ~ 13.40	24	92.50%	93,000 Tc= 70°C	251(224) × 98 × 44.8
	ESV-320S036ST/SV	0 ~ 8.90	36	92.50%		
	ESV-320S048ST/SV	0 ~ 6.70	48	93.00%		
	ESV-320S054ST/SV	0 ~ 6.00	54	93.50%		
600	ESV-600S048ST/SV	0 ~ 12.50	48	93.00%	117,000 Tc= 70°C	276(250) × 144 × 48.5
	ESV-600S054ST/SV	0 ~ 11.20	54	93.50%		



Common Features

- High Efficiency (Up to 94.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- Input Voltage Range: 176 ~ 305Vac
- Output Lumen Compensation
- End-of-Life Indicator
- Long Lifetime Over 100K Hours at 75°C Case Temperature
- Input Surge Protection: DM 6kV, CM 10kV
- IP20 Design and Suitable for Outdoor Applications in Luminaires with IP>54
- Suitable for Luminaires with Protection Class I and II
- Complies with Zhaga Interface Specification Book 13
- 8-Year Warranty

Dimming Functions

- Isolated 1-10V/3-Timer-Modes Dimmable (DT2 Models)
- DALI-2/AC Dim/3-Timer-Modes (BT2 Models)
- Dim-to-Off with Standby Power ≤ 0.5 W (BT2 Models)

Power Levels

25W 40W 80W 120W 165W

Safety Certifications



EBS-BT2 Version Features

- DALI-2 and D4i Certified
- Always-on Auxiliary Power: 24Vdc, 125mA, 3W (Transient Peak Power up to 10W)
- Integrated 16Vdc Bus Power Supply based on DALI-2
- Integrated Power Monitoring with High Accuracy up to $\pm 1\%$
- Thermal Sensing and Protection for LED Module
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP

EBS-DT2 Version Features

- All-Around Protection: OVP, SCP, OTP

Accessories



END-CAP02
Cable Clamp for Independent Applications



About EBS

EBS-BT2

The EBS-BT2 family are DALI-2 D4i LED drivers that provide OEMs the ability to utilize critical driver information, reduce maintenance and product costs and simplify installation. They are equipped with Inventronics Controls-Ready features of Dim-to-Off and Always-On Auxiliary Power to work with a vast array of lighting control networks. They are suitable for Class I and II luminaires, built-in use and have a Zhaga compatible form factor. They operate at 176-305Vac and supply streamlined production with time-saving wireless programming with a wide output current range. The EBS-BT2 are also equipped with the added features of AC power monitoring, built-in surge protection and output lumen compensation.

EBS-DT2

The EBS DT2 family are the new generation of Class I/II drivers. They are a simplified option that still provides extreme flexibility with convenient push terminals, wireless programming via Near Field Communication (NFC) and multiple dimming options. They offer an easier installation reducing production time and lowered installation costs. They also provide reliability and a quality performance with built-in surge protection, output lumen compensation and an end-of-life indicator. The EBS-DT2 is designed to comply with Zhaga Interface Book 13 edition 2 allowing them to fit in the more compact and slim European luminaires.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
25 (Update)	EBS-025S045BT2	300 ~ 450	28 ~ 84	88.00%	100,000 Tc=75°C	133x77x33
	EBS-025S070BT2	450 ~ 700	18 ~ 56	87.50%		
	EBS-025S105BT2	700 ~ 1050	12 ~ 36	87.00%		
	EBS-025S045DT2	300 ~ 450	28 ~ 84	88.00%	100,000 Tc=75°C	133x77x33
	EBS-025S070DT2	450 ~ 700	18 ~ 56	87.50%		
	EBS-025S105DT2	700 ~ 1050	12 ~ 36	87.00%		
40	EBS-040S045BT2	300 ~ 450	44 ~ 133	90.50%	110,000 Tc= 75°C	133 x 77 x 33
	EBS-040S070BT2	450 ~ 700	28 ~ 89	90.50%		
	EBS-040S105BT2	700 ~ 1050	19 ~ 57	89.50%		
	EBS-040S045DT2	300 ~ 450	44 ~ 133	90.50%	104,000 Tc= 75°C	133 x 77 x 33
	EBS-040S070DT2	450 ~ 700	28 ~ 89	89.00%		
	EBS-040S105DT2	700 ~ 1050	19 ~ 57	89.50%		
80	EBS-080S070BT2	450 ~ 700	57 ~ 178	92.50%	100,000 Tc= 75°C	133 x 77 x 36
	EBS-080S105BT2	700 ~ 1050	38 ~ 114	92.50%		
	EBS-080S150BT2	1050 ~ 1500	27 ~ 76	92.00%		
	EBS-080S070DT2	450 ~ 700	57 ~ 178	92.50%	120,000 Tc= 75°C	133 x 77 x 36
	EBS-080S105DT2	700 ~ 1050	38 ~ 114	92.50%		
	EBS-080S150DT2	1050 ~ 1500	27 ~ 76	91.50%		
120	EBS-120S070BT2	450 ~ 700	86 ~ 266	94.00%	100,000 Tc=75°C	150 x 85 x 39
	EBS-120S105BT2	700 ~ 1050	57 ~ 171	93.50%		
	EBS-120S150BT2	1050 ~ 1500	40 ~ 114	93.00%		
	EBS-120S070DT2	450 ~ 700	86 ~ 266	93.00%	100,000 Tc=75°C	150 x 85 x 39
	EBS-120S105DT2	700 ~ 1050	57 ~ 171	93.00%		
	EBS-120S150DT2	1050 ~ 1500	40 ~ 114	92.50%		
165 (Update)	EBS-165S070BT2	450 ~ 700	118 ~ 367	94.00%	100,000 Tc=75°C	170 x 100 x 39
	EBS-165S105BT2	700 ~ 1050	79 ~ 236	94.00%		
	EBS-165S150BT2	1050 ~ 1500	55 ~ 157	93.50%		
	EBS-165S070DT2	450 ~ 700	118 ~ 367	94.00%	100,000 Tc=75°C	170 x 100 x 40
	EBS-165S105DT2	700 ~ 1050	79 ~ 236	94.00%		
	EBS-165S150DT2	1050 ~ 1500	55 ~ 157	93.50%		



Common Features

- High Efficiency (Up to 95.5%)
- Compact Metal Case with Excellent Thermal Performance
- Full Power at Wide Output Current Range (Constant Power)
- Input Voltage Range: 176 ~ 305Vac
- Adjustable Output Current (AOC) with Programmability
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- Low inrush current
- IP66 / IP67
- 5-Year Warranty

Dimming Functions

- Isolated 1-10V/10V PWM/3-Timer-Modes Dimmable (Dx Models)
- Isolated 0-10V/PWM/3-Timer-Modes Dimmable (Mx Models)

Safety Certifications



Power Levels

1200W

EBM-Dx Version Features

- All-Around Protection: OVP, SCP, OTP

EBM-Mx Version Features

- INV Digital Dimming, UART Based Communication Protocol
- Dim-to-Off with Standby Power ≤ 0.5 W
- Always-on Auxiliary Power: 12Vdc, 250mA
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP

» About EBM

The EBM-1K2SxxxDG series supplies 1200W of power and operates from 176-305Vac. They offer design flexibility with full power at a wide output current range and multiple isolated dimming options. They also supply low inrush current to allow for more drivers per Miniature Circuit Breaker (MCB) for an easier installation and reduced costs.

The EBM-1K2SxxxMG series provides the added Controls-Ready features of Dim-to-Off and Always-On Auxiliary Power for powering low voltage wireless controls.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
1200	EBM-1K2S350Dx/Mx	2600 ~ 3500	171 ~ 462	95.50%	100,000 Tc= 70°C	310(285) × 141 × 48.5
	EBM-1K2S525Dx/Mx	3950 ~ 5250	114 ~ 304	95.00%		
	EBM-1K2S740Dx/Mx	5550 ~ 7400	81 ~ 217	95.00%		



» Inventronics Advantages

- High Efficiency (Up to 94.5%)
- Constant-Voltage Output
- Input Voltage Range: 176 ~ 305Vac
- Input Surge Protection: DM 4kV, CM 6kV
- All-Around Protection: OVP, SCP, OTP, OCP
- IP67 and UL Dry / Damp / Wet Location
- SELV Output
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

» Safety Certifications



» Power Levels

60W 75W 100W 150W 200W 250W 350W 400W 500W

» About EBV

Inventronics narrow input voltage drivers provide a wide range of power levels. The EBV series is made with a compact, extruded-metal housing enabling more creative freedom on luminaire design. The EBV series is IP67 rated and ideal for challenging applications such as architectural, decorative, signage.

Output Power (W)	Model No.	Output Current Range (A)	Output Voltage (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
60	EBV-060S012SV	0 ~ 5.00	12	84.50%	96,000 Tc= 70°C	116(95) × 67.5 × 36.5
	EBV-060S024SV	0 ~ 2.50	24	88.50%		
	EBV-060S036SV	0 ~ 1.70	36	89.50%		
	EBV-060S048SV	0 ~ 1.30	48	90.50%		
75	EBV-075S024SV	0 ~ 3.20	24	88.00%	97,000 Tc= 70°C	116(95) × 67.5 × 36.5
	EBV-075S036SV	0 ~ 2.10	36	89.00%		
	EBV-075S048SV	0 ~ 1.60	48	90.00%		
100	EBV-100S012SV	0 ~ 8.40	12	85.50%	85,000 Tc= 70°C	166(145) × 67.5 × 36.5
	EBV-100S024SV	0 ~ 4.20	24	90.00%		
	EBV-100S036SV	0 ~ 2.80	36	91.50%		
	EBV-100S048SV	0 ~ 2.10	48	92.00%		
150	EBV-150S012SV	0 ~ 10.00	12	85.50%	83,000 Tc= 70°C	166(145) × 67.5 × 39.7
	EBV-150S024SV	0 ~ 6.30	24	88.50%		
	EBV-150S036SV	0 ~ 4.20	36	91.50%		
	EBV-150S048SV	0 ~ 3.20	48	91.50%		
200	EBV-200S012SV	0 ~ 16.70	12	91.50%	106,000 Tc= 70°C	190(169) × 67.5 × 39.7
	EBV-200S024SV	0 ~ 8.40	24	93.00%		
	EBV-200S036SV	0 ~ 5.60	36	92.50%		
	EBV-200S048SV	0 ~ 4.20	48	93.50%		
250	EBV-250S012SV	0 ~ 18.40	12	91.50%	96,000 Tc= 70°C	190(169) × 67.5 × 39.7
	EBV-250S024SV	0 ~ 10.50	24	93.00%		
	EBV-250S036SV	0 ~ 7.00	36	92.50%		
	EBV-250S048SV	0 ~ 5.30	48	93.50%		
350	EBV-350S012SV	0 ~ 25.00	12	91.50%	114,000 Tc= 70°C	227(200) × 80 × 42
	EBV-350S024SV	0 ~ 14.60	24	93.50%		
	EBV-350S036SV	0 ~ 9.80	36	93.50%		
	EBV-350S048SV	0 ~ 7.30	48	93.00%		
400	EBV-400S012SV	0 ~ 28.40	12	91.00%	97,000 Tc= 70°C	227(200) × 80 × 42
	EBV-400S024SV	0 ~ 16.70	24	93.00%		
	EBV-400S036SV	0 ~ 11.20	36	93.00%		
	EBV-400S048SV	0 ~ 8.40	48	92.50%		
500	EBV-500S024ST/SV	0 ~ 20.83	24	93.50%	117,000 Tc= 60°C	291(264) × 108 × 45.5
	EBV-500S028ST/SV	0 ~ 17.85	28	93.50%		
	EBV-500S036ST/SV	0 ~ 13.88	36	94.00%		
	EBV-500S042ST/SV	0 ~ 11.90	42	94.50%		
	EBV-500S048ST/SV	0 ~ 10.41	48	94.50%		



» Inventronics Advantages

- High Efficiency (Up to 91.5%)
- Constant-Voltage Output
- Input Voltage Range: 176 ~ 305Vac
- Input Surge Protection: DM 4kV, CM 6kV
- All-Around Protection: OVP, SCP, OTP, OCP
- IP67
- SELV Output
- 5-Year Warranty

» About EBV-F

Inventronics EBV series optimizes the input voltage range allowing for reduced manufacturing costs for regions that accept a narrow range. These compact drivers are equipped with extruded-metal housing, IP67 rated and provide a higher level of input surge protection. They are ideal in architectural, decorative and signage lighting applications.

» Safety Certifications



» Power Levels

36W 48W 60W 72W

Output Power (W)	Model No.	Output Current Range (A)	Output Voltage (Vdc)	Eff. @ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
36	EBV-036S024SVF	0 ~ 1.50	24	86.00%	104,000 Tc= 70°C	155(134) × 40 × 25
	EBV-036S036SVF	0 ~ 1.00	36	86.50%		
	EBV-036S048SVF	0 ~ 0.75	48	87.00%		
48	EBV-048S024SVF	0 ~ 2.00	24	85.00%	104,000 Tc= 70°C	155(134) × 40 × 25
	EBV-048S036SVF	0 ~ 1.34	36	86.50%		
	EBV-048S048SVF	0 ~ 1.00	48	88.00%		
60	EBV-060S024SVF	0 ~ 2.50	24	88.50%	99,000 Tc= 70°C	185(164) × 40 × 25
	EBV-060S036SVF	0 ~ 1.70	36	89.50%		
	EBV-060S048SVF	0 ~ 1.25	48	91.50%		
72	EBV-072S024SVF	0 ~ 3.00	24	88.50%	99,000 Tc= 70°C	185(164) × 40 × 25
	EBV-072S036SVF	0 ~ 2.00	36	89.50%		
	EBV-072S048SVF	0 ~ 1.50	48	91.00%		



» Inventronics Advantages

- High Efficiency (Up to 92.0%)
- Low THD, 10% Max up to 240 Vac
- Constant-Current Output
- Input Voltage Range: 140 ~ 305Vac
- Input Over Voltage Protection (IOVP) at 440Vac with 48 Hours
- Input UVP and Input OVP
- Input Surge Protection: DM 4kV, CM 6kV
- All-Around Protection: OVP, SCP, OTP
- IP66 / IP67
- 5-Year Warranty

» About EDC

Inventronics EDC series is designed specifically for those markets who face challenging power regulations. They help protect against poor quality supplied to the LED driver, reducing maintenance costs and safeguarding the luminaire. The EDC series offers a high level of marketing-leading input protection capable of handling frequent power outages or operating from a backup generator while providing a reliable, cost-effective solution.

» Safety Certifications



» Power Levels

75W 100W 150W

Output Power (W)	Model No.	Output Current (mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
75	EDC-075S105ST/SV-0007	700	54 ~ 107	90.50%	101,000 Tc=75°C	131(114) × 64 × 32
	EDC-075S105ST/SV-0004	860	44 ~ 88	90.50%		
	EDC-075S105ST/SV	1050	36 ~ 71	90.00%		
100	EDC-100S105ST/SV-0007	700	71 ~ 143	91.00%	96,000 Tc=70°C	166(145) × 67.5 × 36.5
	EDC-100S105ST/SV-0004	860	58 ~ 116	90.50%		
	EDC-100S105ST/SV	1050	47 ~ 95	90.00%		
150	EDC-150S105ST/SV-0007	700	107 ~ 214	92.00%	97,000 Tc=70°C	187(166) × 67.5 × 39.7
	EDC-150S105ST/SV-0004	860	97 ~ 174	92.00%		
	EDC-150S105ST/SV	1050	97 ~ 143	91.00%		



» Inventronics Advantages

- High Efficiency (Up to 95.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current(AOC) with External Resistor
- Input Voltage Range: 198 ~ 264Vac
- Flicker-Free
- Input Surge Protection Up to: DM 2kV, CM 4kV
- Suitable for Luminaires with Protection Class I
- Complies with Zhaga Interface Specification Book 13
- Non-Isolated Design
- 5-Year Warranty

» Power Levels

80W 160W

» About LMT

Inventronics LMT series are IP20 Rated and non-isolated making them ideal for built-in indoor projects. They provide a higher efficiency due to a more efficient circuit design than typical drivers. The LMT series offers complete driver flexibility with an adjustable output current via an external resistor, flicker-free performance, low output current ripple and a more compact Zhaga Book 13 compliant form factor.

» Safety Certifications



Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
80	LMT-080S050STF	350 ~ 500	96 ~ 229	94.00%	89,000 Tc= 70°C	280 × 30 × 21
	LMT-080S070STF	500 ~ 700	68 ~ 160	94.00%		
	LMT-080S105STF	700 ~ 1050	45 ~ 114	93.00%		
160	LMT-160S070STF	500 ~ 700	137 ~ 320	95.00%	109,000 Tc= 70°C	360 × 30 × 21
	LMT-160S105STF	700 ~ 1050	91 ~ 229	94.50%		
	LMT-160S150STF	1050 ~ 1500	64 ~ 153	94.50%		



LNT

» Inventronics Advantages

- High Efficiency (Up to 96.5%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current(AOC) with External Resistor
- Input Voltage Range: 342 ~ 457Vac
- Flicker-Free
- Input Surge Protection : DM 2kV, CM 4kV
- Suitable for Luminaires with Protection Class I
- Non-Isolated Design
- 5-Year Warranty

» About LNT

Inventronics LNT series are IP20 Rated and non-isolated making them ideal for built-in indoor projects. They provide a much higher efficiency due to a more efficient circuit design than typical drivers. The LNT series offers complete driver flexibility with an adjustable output current via an external resistor, flicker-free performance, added input surge protection and long lifetimes. They are ideal for industrial and horticulture lighting applications.

» Safety Certifications



» Power Levels

350W

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 400Vac	Lifetime (hours)	Dimensions (L*W*H)(mm)
350	LNT-350S150STF	1050 ~ 1500	140 ~ 333	96.50%	123,000 Tc= 70°C	425 × 40 × 30



CONTROLS-READY

Driver Health Monitoring and Smart Lighting Solutions

Driver Health Monitoring

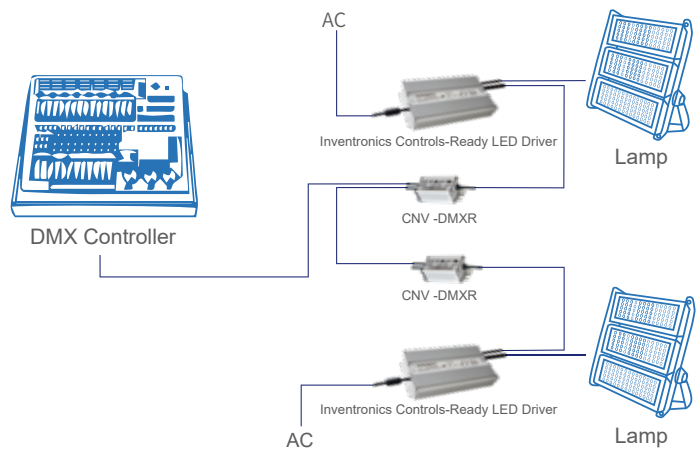
- Inventronics Digital Dimming is available on select Controls-Ready drivers
- Allows critical information to be analyzed by a control system to extend driver life
- Available Information:
 - Internal and External Temperature
 - Read Output Current and Voltage
 - Dim Driver
 - Read Driver Model Number
 - Program Output Current

Controls-Ready Drivers

- Offer ease of controls integration
 - Auxiliary supply - eliminates need for power pack
 - Dim to Off - eliminates need for AC Relay
- Controls agnostic, compatible with a wide range of controls systems

Applications

- NB-IoT
- PLC
- DMX-RDM
- Synapse
- ZigBee
- GPRS





Intelligent Controls

DMX-RDM CNV-DMXR

DMX-RDM Stadium/Stage Lighting Management Solution

Features

- Converts DMX-RDM Signal to 0-10V Dimming Signal
- Compatible with RDM over DMX512 Networks with Bi-Directional Communication



cUL us FC CB CE

synapse CNV-SNAP-ANO

Synapse Networks Integrating Wireless Control

Features

- Converts Synapse Signal to 0-10V Dimming Signal
- Deployed and Managed Using Synapse SimplySNAP Software
- Typical Application: Stadium, Production and Architectural Lighting



cUL us FC CE

synapse CNV-SNAP-DD2

Synapse Networks Integrating Wireless Control

Features

- Synapse to 0-10V and DALI-2 Network Interface Module
- Self-healing 2.4GHz Synapse Mesh Network



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Programming Tools

PRG-NFC-D Features

- For Use with Inventronics NFC Enabled Drivers
- Zhaga Book 24 Compliant
- USB Powered
- IP42
- Connects to Inventronics Multi-Programmer Software



PRG-NFC-H Features

- For Use with Inventronics NFC Enabled Drivers
- Zhaga Book 24 Compliant
- USB Powered
- IP30
- Connects to Inventronics Multi-Programmer Software



PRG-MUL2 Features

- Programmer for All Inventronics DALI and 0-10v Programmable Drivers
- Offline Programming Capability
- Automatic Programming Mode



FC CE

PRG-CASE2 Features

- Ruggedized Case for the PRG-MUL2
- For Use in Manufacturing Environments
- LED Indicator and Built-in Buzzer for Programming Status
- Quick Connect Terminals for Ease of Connection
- Long Life User Interface Button to Deploy Program to Drivers





PU-20KS10KHT

■ Features

- Compatible with Inventronics LED Drivers
- 90-305 Vac Working Input Voltage
- DM, CM Surge Protection Mode
- Maximum Discharge Current (Imax) 20kA, 8/20µs
- Nominal Discharge Current (In) 10kA, 8/20µs
- UL1449 Type 5 Recognized Component
- IEEE C62.41.2 Location Category C High Exposure
- High Temperature, 85 °C Maximum Surface Temp Rating



PS-20KS10KHT

■ Features

- Compatible with Inventronics LED Drivers
- 249-528 Vac Working Input Voltage
- DM, CM Surge Protection Mode
- Maximum Discharge Current (Imax) 20kA, 8/20µs
- Nominal Discharge Current (In) 10kA, 8/20µs
- UL1449 Type 5 Recognized Component
- IEEE C62.41.2 Location Category C High Exposure
- High Temperature, 85 °C Maximum Surface Temp Rating



PU-20Kx10KTxx

■ Features

- Compatible with Inventronics LED Drivers
- 90-305 Vac Working Input Voltage
- 15 kA Maximum, 10 kA Nominal (15 strikes) Surge Current Rating Using Industry Standard 8/20µs Wave
- UL1449 Type 4, EN 61643-11 – Surge Protective Devices T2
- IEEE C62.41.2 Location Category C High
- High Temperature, 85 °C Maximum Ambient
- Flameproof Plastic Enclosure
- IP66



PU-10Kx05KBxA

■ Features

- 90-305 Vac Working Input Voltage
- Uoc=10kV & In=5kA
- Certified for both EN 61643-11 - T2 & T3
- Protection Mode for TN, TT and IT-systems
- Available for Series & Parallel Installation
- Available for Class I & Class II luminaires
- Double Thermally Protected
- End-of-life LED Indicator
- IP66 / IP67