CONTENTS

About Inventronics

Company Profile .................................................. 01
Manufacturing .................................................. 02
R&D Capability .................................................. 03
Verification Tests .................................................. 04

Product Presentation

Product Overview .................................................. 05
Part Number Scheme .................................................. 06

90-305Vac

EUM-Dx Series—CP Ultra Compact .................................................. 07
EUM-Mx/MGS Series—CP Ultra Compact Dim-to-Off .................................................. 09
EUM-Lx Series—CP Controls-Ready with NFC .................................................. 11
EUM-Bx Series—CP Controls-Ready with NFC / D4i (DALI-2) .................................................. 13
SUM—CP Slim .................................................. 15
EUM-DE—CP Class I / II .................................................. 17
EAM Series—CP 440Vac IOVP .................................................. 19
EUW Series—CP Tunable White .................................................. 20
EUC-M Series—CC Compact .................................................. 21
EUD Series—CP Controls-Ready .................................................. 23
EUD-L Series—CP Ultra-Long Life Controls-Ready .................................................. 25
EUQ Series—CV Universal Input .................................................. 27
EUR Series—CP Circular .................................................. 29
LUD Series—CP Linear .................................................. 31
LUN Series—CP NFC .................................................. 33

EUM-1K0T—CP Multiple Channel .................................................. 34

249-528Vac

ESM-Dx Series—CP Compact High Input Voltage .................................................. 35
ESM-Mx/MGS Series—CP Compact High Input Dim-to-Off .................................................. 37
ESM-Lx/Bx Series—CP High Input Controls-Ready with NFC / D4i (DALI-2) .................................................. 39
ESM-1K0D/1K0T—CP High Input Multiple Channel .................................................. 41
SSM—CP Slim High Input Voltage .................................................. 43
ESD Series—CP Controls-Ready High Input Voltage .................................................. 45
ESV Series—CV High Input Voltage .................................................. 47

176-305Vac

EBS Series—CP Class I / II Controls-Ready / NFC / D4i (DALI-2) .................................................. 49
EBM Dx/Mx—CP Ultra-High Power 1200W .................................................. 51
EBV Series—CV Narrow Input .................................................. 53
EBV-F Series—CV Linear Narrow Input .................................................. 55

140-305Vac

EDC Series—CC 440Vac IOVP .................................................. 56

198-264Vac

LMT Series—CP Non-Isolated Linear .................................................. 57

342-457Vac

LNT Series—CP Non-Isolated Linear .................................................. 58

Others

Intelligent Products .................................................. 59
Surge Protection Devices .................................................. 61

Inventronics reserves the right to modify the product spec. described in this manual, without prior notice. Before ordering, please contact our sales for the latest spec.
## CONTENTS

### About Inventronics
- Company Profile ........................................ 01
- Manufacturing .......................................... 02
- R&D Capability ........................................ 03
- Verification Tests ....................................... 04

### Product Presentation
- Product Overview ....................................... 05
- Part Number Scheme ..................................... 06

### 90-305Vac
- EUM-Dx Series—CP Ultra Compact ..................... 07
- EUM-Mx/MGS Series—CP Ultra Compact Dim-to-Off .. 09
- EUM-Lx Series—CP Controls-Ready with NFC .......... 11
- EUM-Bx Series—CP Controls-Ready with NFC / D4i (DALI-2) 13
- SUM—CP Slim ............................................. 15
- EUM-DE—CP Class I / II ................................ 17
- EAM Series—CP 440Vac IOVP .......................... 19
- EUW Series—CP Tunable White ......................... 20
- EUC-M Series—CC Compact ............................ 21
- EUD Series—CP Controls-Ready ......................... 23
- EUD-L Series—CP Ultra-Long Life Controls-Ready .. 25
- EUV Series—CV Universal Input ........................ 27
- EUR Series—CP Circular .................................. 29
- LUD Series—CP Linear .................................... 31
- LUN Series—CP NFC ..................................... 33
- EUM-1K0T—CP Multiple Channel ..................... 34
- ESM-Dx Series—CP Compact High Input Voltage 35
- ESM-Mx/MGS Series—CP Compact High Input Dim-to-Off 37
- ESM-Lx/Bx Series—CP High Input Controls-Ready with NFC / D4i (DALI-2) 39
- ESM-1K0D/1K0T—CP High Input Multiple Channel 41
- SSM—CP Slim High Input Voltage ....................... 43
- ESD Series—CP Controls-Ready High Input Voltage 45
- ESV Series—CV High Input Voltage .................... 47
- EBS Series—CP Class I / II Controls-Ready / NFC / D4i (DALI-2) 49
- EBM Dx/Mx—CP Ultra-High Power 1200W ............ 51
- EBV Series—CV Narrow Input ......................... 53
- EBV-F Series—CV Linear Narrow Input .............. 55
- EDC Series—CC 440Vac IOVP .......................... 56
- 198-264Vac
- LMT Series—CP Non-Isolated Linear .................. 57
- 342-457Vac
- EUR Series—CP Circular .................................. 58
- EUR Series—CP Circular ................................. 59
- Surge Protection Devices ............................... 61
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 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.
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**

- **2007**: Inventronics established
- **2009**: Inventronics USA established
- **2010**: Authorized safety lab by UL CTDIP and VTDIP
- **2011**: Sales revenue exceeding RMB 100 million
- **2012**: Launched Intelligent LED Driver and a comprehensive solution for LED power supply
- **2013**: Products were sold in more than 50 countries and regions
- **2016**: Inventronics Tonglu LED Driver Industrial Park completed
- **2017**: Inventronics EU established
- **2018**: Inventronics listed on the Growth Enterprise Market, and launched its IPO
- **2019**: Sales revenue exceeding RMB 1 billion
- **2022**: Celebrating 15 years serving the lighting market

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.

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

Internal safety lab conforming to ISO/IEC 17025:2005
UL CTOP and WTDP authorized safety lab
TUV Rheinland TMPL authorized safety lab
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 CTDP and WTDP authorized safety lab
- TUV Rheinland TMPL authorized safety lab

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

Test Center
### LED Driver Part Number Scheme

#### Outdoor LED Drivers
- **Ultra Compact:**
  - Dim-to-Off Controls-Ready with NFC / D4i (DALI-2)
  - Slim, Class I / II
- **440Vac IOVP:**
  - Tunable White, Controls-Ready with NFC / D4i (DALI-2)
- **Tunable White:**
  - Controls-Ready, High Input Voltage
  - Ultra-High Power, Slim, High Input Voltage
- **Controls-Ready:**
  - With NFC / D4i (DALI-2)
  - High Input Voltage
- **Compact:**
  - High Input Voltage
  - Multiple Channel
- **High Input Multiple Channel:**
  - Controls-Ready, High Input Voltage
  - Case with Push Terminals
  - Round Shape Design with AOC Function
- **National Cases:**
  - Single, Dual, Triple

#### Indoor LED Drivers
- **Circular:**
  - Non-Dimming Control
- **Linear:**
  - Non-Dimming Control
- **NFC:**
  - Non-Dimming Control
- **Non-Isolated Linear:**
  - Non-Dimming Control
- **Linear Narrow Input:**
  - Non-Dimming Control
- **Universal Input:**
  - High Input Voltage
- **Narrow Input:**
  - High Input Voltage

#### Accessories
- **DMX/RDM Stadium/Stage Lighting Management Solution:**
- **Surge Protection Devices:**
  - Programmable Surge Protectors
- **Programming Tools:**
  - PRG-NFC, PRG-NFC-H, PRG-MULT2, PRG-CASE2

#### Options & Modes
- **No. of Outputs:**
  - 1 Alpha Character
- **Output Power:**
  - 3 Numeric Characters
- **Output Voltage/Current:**
  - 3 Numeric Characters
- **Input Range:**
  - 1 Alpha Character
- **Input Cable Indicator:**
  - 1 Alpha Character
- **Case & Application Feature:**
  - 1 Alpha Character

#### Case & Application Feature
- **Options & Modes:**
  - 1 Alpha Character
  - First Generation for Indoor/Outdoor Products
  - Second Generation Products
  - Second Generation for Outdoor Products
  - Outdoor/Indoor Metal Case (Normal Rectangle)
  - Outdoor/Indoor Long and Slim Metal Case
  - Outdoor/Indoor Long Lifetime
  - Outdoor/Indoor Metal Case (Normal Rectangle)
  - Outdoor/Indoor With Panel Mount Connector

#### Input Cable Indicator
- **Input Cable Indicator**
  - 1 Alpha Character

#### Input Range
- **Input Range**
  - 1 Alpha Character

#### Output Power
- **Output Power**
  - 3 Numeric Characters

#### Output Voltage/Current
- **Output Voltage/Current**
  - 3 Numeric Characters

#### Part Number Scheme
- **Part Number Scheme**
  - **Product Overview**
  - **Outdoor LED Drivers**
  - **Indoor LED Drivers**
  - **Accessories**
  - **Intelligent Controllers**
  - **Surge Protection Devices**
  - **Programming Tools**

#### Programming Tools
- **Programming Tools**
  - **PRG-NFC, PRG-NFC-H, PRG-MULT2, PRG-CASE2**

#### Part Number Examples
- **Outdoor LED Drivers**
  - **EUC-M**
  - **EDC**
  - **P21**
  - **P56**

- **Indoor LED Drivers**
  - **EUM-Dx**
  - **EUM-Mx/MGS**
  - **EUM-Lx**
  - **EUM-Bx**
  - **SUM**
  - **EAM**
  - **EUW**
  - **EUD**
  - **EUD-L**
  - **ESM-Dx**
  - **ESM-Mx/MGS**
  - **ESM-Lx/Bx**
  - **SSM**
  - **ESD**
  - **EBS**
  - **EMLT**
  - **EMLNT**
  - **IBM**
  - **EBV-F**

- **Accessories**
  - **DMX/RDM Stadium/Stage Lighting Management Solution**
  - **Synapse Networks Integrating Wireless Control**

- **Intelligent Controllers**
  - **CNV-DMXR**
  - **CNV-SNAP-AN0**
  - **CNV-SNAP-DD2**

- **Surge Protection Devices**
  - **PU-100x10KHT**
  - **PU-100x10KTx**
  - **PU-100x50K8x4A**

- **Programming Tools**
  - **PRG-NFC, PRG-NFC-H, PRG-MULT2, PRG-CASE2**
Product Overview

LED Driver Part Number Scheme

Outdoor LED Drivers

- Ultra Compact
- Ultra Compact Dim-to-Off
- Controls-Ready with NFC
- Controls-Ready with NFC / D4i (DALI-2)
- Slim
- Class I / II
- 440Vac IOVP
- Tunable White
- Controls-Ready
- Controls-Ready with NFC / D4i (DALI-2)
- Slim, High Input Voltage
- Compact, High Input Voltage
- High Input Controls-Ready
- High Input Controls-Ready with NFC / D4i (DALI-2)
- Ultra-High Power
- Class I / II Controls-Ready
- Class I / II Controls-Ready / NFC / D4i (DALI-2)
- Multiple Channel
- Indoor/Outdoor Products

Indoor LED Drivers

- Circular
- Linear
- NFC
- Non-Isolated Linear
- Non-Isolated Linear
- Universal Input
- High Input Voltage
- Narrow Input
- Linear Narrow Input
- 440Vac IOVP

Constant-Power

- Constant-Power
- Constant-Current
- Constant-Voltage

Accessories

- DMX/RDM Stadium/Stage Lighting Management Solution
- Synapse Networks Integrating Wireless Control
- Surge Protection Devices
- Programming Tools

Case & Application Feature

- 1 Alpha Character
- First Generation for Indoor/Outdoor Products
- Second Generation Products
- Second Generation for Outdoor Products
- Outdoor/Indoor Long and Slim Metal Case
- Outdoor/Indoor Long Lifetime
- Outdoor/Indoor Metal Case (Normal Rectangle)
- Outdoor/Indoor With Panel Mount Connector

Input Range

- 1 Alpha Character
- 90-305Vac with 440Vac IOVP
- 176-305Vac
- 249-528Vac
- 90-305Vac
- 440Vac IOVP
- 1200W

Input Cable Indicator

- 1 Alpha Character
- Options & Modes
- No. of Outputs
- Output Power
- Output Voltage/Current

Series

- E
- L
- S

Case

- Outdoor LED Drivers
- Indoor LED Drivers
- Slim LED Drivers

Options & Modes

- 1 Alpha Character
- 1 Alpha Character
- 1 Alpha Character
- 1 Alpha Character

Input Power

- 2 Numeric Characters
- 1K2 120W
- 680 680W
- 075 75W

Output Power

- 3 Numeric Characters
- 560 560V 12A 12-12.5A
- 200 200V 999 9.99A
- 035 350V 140 140mA
- 025 250V 105 105mA
- 2V5 2.5V 035 350mA

Output Voltage/Current

- 3 Numeric Characters
- 1200W
- 680W
- 75W
- 560V
- 200V
- 350V
- 250V
- 2.5V
- 035
- 12A
- 999
- 140
- 105
- 350mA

First Generation for Indoor/Outdoor Products
- Second Generation Products
- Outdoor/Indoor Long and Slim Metal Case
- Outdoor/Indoor Long Lifetime
- Outdoor/Indoor Metal Case (Normal Rectangle)
- Outdoor/Indoor With Panel Mount Connector
- Surge Protection Devices
- Programming Tools
- DMX/RDM Stadium/Stage Lighting Management Solution
- Synapse Networks Integrating Wireless Control
- Outdoor LED Drivers
- Indoor LED Drivers
- Slim LED Drivers
- Options & Modes
- No. of Outputs
- Output Power
- Output Voltage/Current
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.

### 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
- All-Around Protection: OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- SELV Output Models Available
- TYPE II, 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

### Safety Certifications

### Power Levels
- 30W 50W 75W 100W 150W 200W 240W 320W

### About EUM-Dx

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Input Voltage Range (Vac)</th>
<th>Eff.@ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>EUM-030S050Dx</td>
<td>300 ~ 500</td>
<td>30 ~ 100</td>
<td>88.90%</td>
<td>120,000 To&gt; 70°C</td>
<td>112(95) × 64 × 36.5</td>
</tr>
<tr>
<td>50</td>
<td>EUM-050S105Dx</td>
<td>500 ~ 1050</td>
<td>17 ~ 54</td>
<td>87.00%</td>
<td>103,000 To&gt; 70°C</td>
<td>112(95) × 64 × 36.5</td>
</tr>
<tr>
<td>75</td>
<td>EUM-075S150Dx</td>
<td>700 ~ 1500</td>
<td>25 ~ 72</td>
<td>90.50%</td>
<td>90,000 To&gt; 70°C</td>
<td>140(125) × 60 × 36.5</td>
</tr>
<tr>
<td>100</td>
<td>EUM-100S200Dx</td>
<td>1000 ~ 2000</td>
<td>17 ~ 54</td>
<td>92.00%</td>
<td>144,000 To&gt; 70°C</td>
<td>140(125) × 60 × 36.5</td>
</tr>
<tr>
<td>150</td>
<td>EUM-150S250Dx</td>
<td>1500 ~ 2500</td>
<td>17 ~ 54</td>
<td>92.00%</td>
<td>106,000 To&gt; 70°C</td>
<td>170(151) × 60 × 36.5</td>
</tr>
<tr>
<td>200</td>
<td>EUM-200S300Dx</td>
<td>2000 ~ 3000</td>
<td>17 ~ 54</td>
<td>92.00%</td>
<td>100,000 To&gt; 70°C</td>
<td>170(151) × 60 × 36.5</td>
</tr>
<tr>
<td>240</td>
<td>EUM-240S350Dx</td>
<td>2400 ~ 3500</td>
<td>17 ~ 54</td>
<td>92.00%</td>
<td>100,000 To&gt; 70°C</td>
<td>218(201) × 60 × 38.5</td>
</tr>
<tr>
<td>320</td>
<td>EUM-320S400Dx</td>
<td>3200 ~ 4000</td>
<td>17 ~ 54</td>
<td>92.00%</td>
<td>111,000 To&gt; 70°C</td>
<td>243(224) × 80 × 44.5</td>
</tr>
</tbody>
</table>

- Eff.@ 220Vac: Eff. are UL Recognized, ENEC and CCC, etc. models; Eff. are UL Class I models; Eff. are IEC models.

- EUM-Dx: 30W 50W 75W 100W 150W 200W 240W 320W

- 300 ~ 500: 30 ~ 100: 88.90%: 120,000: To> 70°C: 112(95) × 64 × 36.5

- 500 ~ 1050: 17 ~ 54: 87.00%: 103,000: To> 70°C: 112(95) × 64 × 36.5

- 700 ~ 1500: 25 ~ 72: 90.50%: 90,000: To> 70°C: 140(125) × 60 × 36.5

- 1000 ~ 2000: 17 ~ 54: 92.00%: 144,000: To> 70°C: 140(125) × 60 × 36.5

- 1500 ~ 2500: 17 ~ 54: 92.00%: 106,000: To> 70°C: 170(151) × 60 × 36.5

- 2000 ~ 3000: 17 ~ 54: 92.00%: 100,000: To> 70°C: 170(151) × 60 × 36.5

- 2400 ~ 3500: 17 ~ 54: 92.00%: 100,000: To> 70°C: 218(201) × 60 × 38.5

- 3200 ~ 4000: 17 ~ 54: 92.00%: 111,000: To> 70°C: 243(224) × 80 × 44.5

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 worldwide use to help OEMs reduce inventory SKUs.

### Dimming Functions
- Isolated 1-5V / 1-10V / 10V PWM / 3-Timer-Mode

### Safety Certifications
- CE, CB, UL, AEC, CCC, etc.
- IEC 61347-1
- SELV
- TYPE H1, for use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

### Power Levels
- 30W 50W 75W 100W 150W 200W 240W 320W

### LED Drivers
**Driving the Lighting Revolution**

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### 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 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 H1, 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 worldwide use to help OEMs reduce inventory SKUs.

### Output Power (W)  Model No.  Full-power Current Range (mA)  Output Voltage Range (Vdc)  Eff. @ 220Vac  Lifetime (hours)  Dimensions (L x W x H)(mm)
30  EUM-030S050Dx  300 ~ 500  30 ~ 100  88.00%  120,000  Tc= 70°C  112(95) x 64 x 36.5
50  EUM-030S105Dx  500 ~ 1050  17 ~ 54  87.00%  114,000  Tc= 70°C  148(131) x 60 x 36.5
75  EUM-050S053Dx  920 ~ 1590  17 ~ 54  88.00%  112(95) x 64 x 36.5
100  EUM-100S053Dx  1400 ~ 2100  18 ~ 54  89.50%  112(95) x 64 x 36.5
150  EUM-150S070Dx  2150 ~ 3500  18 ~ 54  91.50%  112(95) x 64 x 36.5
200  EUM-200S070Dx  3500 ~ 5500  18 ~ 54  92.00%  112(95) x 64 x 36.5
240  EUM-240S070Dx  530 ~ 750  107 ~ 204  93.00%  112(95) x 64 x 36.5
300  EUM-300S070Dx  700 ~ 1050  72 ~ 144  93.00%  112(95) x 64 x 36.5
100  EUM-100S053Dx  700 ~ 1050  112(95) x 64 x 36.5
150  EUM-150S070Dx  1400 ~ 2100  26 ~ 72  93.00%  112(95) x 64 x 36.5
200  EUM-200S070Dx  3000 ~ 4800  50 ~ 147  94.00%  112(95) x 64 x 36.5
240  EUM-240S070Dx  112(95) x 64 x 36.5
300  EUM-300S070Dx  350 ~ 550  94 ~ 286  94.00%  112(95) x 64 x 36.5
100  EUM-100S053Dx  700 ~ 1050  112(95) x 64 x 36.5
150  EUM-150S070Dx  1400 ~ 2100  26 ~ 72  93.00%  112(95) x 64 x 36.5
200  EUM-200S070Dx  3000 ~ 4800  50 ~ 147  94.00%  112(95) x 64 x 36.5
240  EUM-240S070Dx  112(95) x 64 x 36.5
300  EUM-300S070Dx  350 ~ 550  94 ~ 286  94.00%  112(95) x 64 x 36.5
100  EUM-100S053Dx  700 ~ 1050  112(95) x 64 x 36.5
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200  EUM-200S070Dx  3000 ~ 4800  50 ~ 147  94.00%  112(95) x 64 x 36.5
240  EUM-240S070Dx  112(95) x 64 x 36.5
300  EUM-300S070Dx  350 ~ 550  94 ~ 286  94.00%  112(95) x 64 x 36.5
100  EUM-100S053Dx  700 ~ 1050  112(95) x 64 x 36.5
150  EUM-150S070Dx  1400 ~ 2100  26 ~ 72  93.00%  112(95) x 64 x 36.5
200  EUM-200S070Dx  3000 ~ 4800  50 ~ 147  94.00%  112(95) x 64 x 36.5
240  EUM-240S070Dx  112(95) x 64 x 36.5
300  EUM-300S070Dx  350 ~ 550  94 ~ 286  94.00%  112(95) x 64 x 36.5
100  EUM-100S053Dx  700 ~ 1050  112(95) x 64 x 36.5
150  EUM-150S070Dx  1400 ~ 2100  26 ~ 72  93.00%  112(95) x 64 x 36.5
200  EUM-200S070Dx  3000 ~ 4800  50 ~ 147  94.00%  112(95) x 64 x 36.5
240  EUM-240S070Dx  112(95) x 64 x 36.5
300  EUM-300S070Dx  350 ~ 550  94 ~ 286  94.00%  112(95) x 64 x 36.5
**LED Drivers **
**CP Ultra Compact Dim-to-Off**

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**Driving the Lighting Revolution**

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**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: 90 ~ 305Vac  
- Always-on Auxiliary Power: 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. The MG series provides a global cable to reduce inventory SKUs, the MT Series are BiS certified to offer a solution for a wide range of applications and regions.

**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**

- UL / ENEC / CCC, etc. models; x=T are UL Class P models.

**Power Levels**


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**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. The MG series provides a global cable to reduce inventory SKUs, the MT 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.

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**Class 2 Model**

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**Table 1: EUM-Mx**

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>EUM-075S100Mx</td>
<td>700 ~ 1050 35 ~ 107</td>
<td>90%</td>
<td>101,000 Tc= 70°C</td>
<td>142(123) × 67.5 × 38.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-075S150Mx</td>
<td>1050 ~ 1550 25 ~ 72</td>
<td>89%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-075S210Mx</td>
<td>1400 ~ 2100 18 ~ 54</td>
<td>89%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>EUM-100S100Mx</td>
<td>700 ~ 1050 48 ~ 143</td>
<td>92%</td>
<td>112,000 Tc= 70°C</td>
<td>148(131) × 67.5 × 38.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-100S150Mx</td>
<td>1050 ~ 1500 34 ~ 95</td>
<td>92%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-100S210Mx</td>
<td>1750 ~ 2300 17 ~ 54</td>
<td>91%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>EUM-150S100Mx</td>
<td>700 ~ 1050 72 ~ 214</td>
<td>93%</td>
<td>164,000 Tc= 70°C</td>
<td>175(161) × 67.5 × 36.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-150S150Mx</td>
<td>1050 ~ 1500 50 ~ 143</td>
<td>93%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-150S210Mx</td>
<td>1400 ~ 2100 30 ~ 107</td>
<td>92%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-150S280Mx</td>
<td>2600 ~ 4200 18 ~ 54</td>
<td>91%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>EUM-200S100Mx</td>
<td>700 ~ 1050 95 ~ 256</td>
<td>93%</td>
<td>192,000 Tc= 70°C</td>
<td>188(171) × 67.5 × 36.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-200S150Mx</td>
<td>1050 ~ 1500 67 ~ 190</td>
<td>93%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-200S210Mx</td>
<td>1400 ~ 2100 95 ~ 111</td>
<td>93%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-200S280Mx</td>
<td>2600 ~ 4200 18 ~ 54</td>
<td>91%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>240</td>
<td>EUM-240S100Mx</td>
<td>700 ~ 1050 115 ~ 343</td>
<td>94%</td>
<td>101,000 Tc= 70°C</td>
<td>219(201) × 67.5 × 36.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-240S150Mx</td>
<td>1050 ~ 1500 80 ~ 229</td>
<td>93%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-240S210Mx</td>
<td>2150 ~ 3500 35 ~ 111</td>
<td>93%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-240S280Mx</td>
<td>4200 ~ 6700 18 ~ 57</td>
<td>92%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>EUM-300S100Mx</td>
<td>700 ~ 1050 153 ~ 457</td>
<td>94%</td>
<td>112,000 Tc= 70°C</td>
<td>243(224) × 80 × 44.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-300S150Mx</td>
<td>1050 ~ 1500 107 ~ 305</td>
<td>94%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-300S210Mx</td>
<td>1750 ~ 2300 64 ~ 183</td>
<td>94%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-300S280Mx</td>
<td>3200 ~ 5000 32 ~ 112</td>
<td>93%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-300S350Mx</td>
<td>5300 ~ 7600 21 ~ 90</td>
<td>92%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>320</td>
<td>EUM-320S750Mx</td>
<td>1250 ~ 1750 206 ~ 644</td>
<td>95%</td>
<td>97,000 Tc=70°C</td>
<td>350(325) × 151 × 46</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-320S100Mx</td>
<td>1500 ~ 2400 141.5 ~ 378</td>
<td>94.50%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-320S150Mx</td>
<td>2600 ~ 3500 97.1 ~ 262</td>
<td>95.00%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-320S210Mx</td>
<td>4200 ~ 5900 60.7 ~ 163</td>
<td>94.50%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-320S280Mx</td>
<td>6300 ~ 8400 40.4 ~ 108</td>
<td>95.00%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-320S350Mx</td>
<td>12000 ~ 15000 22.8 ~ 54</td>
<td>95.00%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-320S100Mx</td>
<td>1950 ~ 2800 157 ~ 452</td>
<td>95.00%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-320S150Mx</td>
<td>3000 ~ 4200 104 ~ 294</td>
<td>95.00%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-320S210Mx</td>
<td>4600 ~ 7000 63 ~ 190</td>
<td>96.00%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-320S280Mx</td>
<td>8300 ~ 11500 39 ~ 110</td>
<td>94.50%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUM-320S350Mx</td>
<td>16200 ~ 30000 25 ~ 54</td>
<td>95.00%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Note:** Models with S and MGS are UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models.
**LED Drivers  CP Ultra Compact Dim-to-Off**

**Driving the Lighting Revolution**

**EUM-Mx/ MGS**

**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: 90 ~ 305Vac
- Always-on Auxiliary Power: 12Vdc, 250mA, 3W (Transmit Peak Power up to 10W)
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 8/25, CM 10kV
- All-Around Protection: IOVP, IOVP, OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- End-of-Life Indicator
- TYPE ML, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

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

**Safety Certifications**
- UL, CUL, CE, CB, SAA, Inmetro, BIS, RoHS

**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 (IUO) 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 (Volts)** | **Eff @ 220Vac** | **Lifetime (hours)** | **Dimensions (L*W*H)(mm)**
--- | --- | --- | --- | --- | --- | ---
75 | EUM-075S/105Mx | 700 ~ 1050 | 35 ~ 107 | 90.50% | 101,000 | Tc= 70°C | 182 (171) × 67.5 × 36.5
| EUM-075S/150Mx | 1050 ~ 1500 | 25 ~ 72 | 89.50% | 142 (132) × 67.5 × 36.5
| EUM-075S/210Mx | 1400 ~ 2100 | 18 ~ 54 | 89.00% |
100 | EUM-100S/105Mx | 700 ~ 1050 | 46 ~ 143 | 92.50% | 112,000 | Tc= 70°C | 222 (204) × 144 × 48.5
| EUM-100S/150Mx | 1050 ~ 1500 | 34 ~ 95 | 92.50% |
| EUM-100S/210Mx | 1700 ~ 2900 | 17 ~ 54 | 91.00% |
| EUM-100S/315Mx | 700 ~ 1050 | 72 ~ 214 | 93.00% |
150 | EUM-150S/105Mx | 1050 ~ 1500 | 50 ~ 143 | 93.00% |
| EUM-150S/210Mx | 1400 ~ 2100 | 30 ~ 107 | 92.50% |
| EUM-150S/300Mx | 1700 ~ 3000 | 18 ~ 54 | 91.50% |
| EUM-150S/450Mx | 700 ~ 1050 | 95 ~ 266 | 93.50% |
200 | EUM-200S/105Mx | 1050 ~ 1500 | 67 ~ 190 | 93.50% | 102,000 | Tc= 70°C | 300 (275) X 160 X 48.5
| EUM-200S/210Mx | 1200 ~ 2400 | 50 ~ 143 | 94.00% |
| EUM-200S/315Mx | 1500 ~ 3150 | 35 ~ 111 | 93.00% |
| EUM-200S/450Mx | 700 ~ 1500 | 107 ~ 305 | 94.00% |
| EUM-200S/600Mx | 2050 ~ 3000 | 32 ~ 112 | 93.00% |
| EUM-200S/750Mx | 530 ~ 750 | 21 ~ 80 | 92.00% |
300 | EUM-300S/105Mx | 1050 ~ 1500 | 90 ~ 269 | 93.50% |
| EUM-300S/210Mx | 2100 ~ 3000 | 35 ~ 111 | 93.00% |
| EUM-300S/315Mx | 4200 ~ 6700 | 18 ~ 57 | 92.50% |
| EUM-300S/450Mx | 700 ~ 1050 | 153 ~ 457 | 94.50% |
| EUM-300S/600Mx | 2050 ~ 3000 | 32 ~ 112 | 93.00% |
| EUM-300S/750Mx | 530 ~ 750 | 21 ~ 80 | 92.00% |
| EUM-300S/900Mx | 72 ~ 214 | 92.00% |
400 | EUM-400S/105Mx | 1050 ~ 1500 | 90 ~ 269 | 93.50% |
| EUM-400S/210Mx | 2100 ~ 3000 | 97 ~ 362 | 95.00% |
| EUM-400S/315Mx | 4200 ~ 6900 | 60.7 ~ 163 | 94.50% |
| EUM-400S/450Mx | 6300 ~ 8400 | 40 ~ 108 | 95.00% |
| EUM-400S/600Mx | 12600 ~ 15000 | 22.8 ~ 54 | 95.00% |
| EUM-400S/750Mx | 1950 ~ 2800 | 157 ~ 452 | 95.00% |
| EUM-400S/900Mx | 3000 ~ 4500 | 104 ~ 294 | 95.00% |
| EUM-400S/1100Mx | 4600 ~ 7000 | 66 ~ 190 | 95.00% |
| EUM-400S/1350Mx | 8300 ~ 13500 | 39 ~ 110 | 94.50% |
055 | EUM-550S/225Mx | 1500 ~ 3000 | 22 ~ 54 | 95.00% |

**Class 2 Model**

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* Mx are UL Recognized, ENEC and CCC, etc. models, Mgs are UL Class P models.
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.

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>EUM-075S105Lx</td>
<td>700 ~ 1050</td>
<td>107</td>
<td>90.50%</td>
<td>101,000 Tc= 70°C</td>
<td>142(125) × 87.5 × 36.5</td>
</tr>
<tr>
<td>100</td>
<td>EUM-100S105Lx</td>
<td>1050 ~ 1500</td>
<td>72</td>
<td>93.50%</td>
<td>112,000 Tc= 70°C</td>
<td>148(131) × 87.5 × 36.5</td>
</tr>
<tr>
<td>150</td>
<td>EUM-150S105Lx</td>
<td>1500 ~ 2100</td>
<td>175</td>
<td>91.00%</td>
<td>104,000 Tc= 70°C</td>
<td>176(161) × 87.5 × 36.5</td>
</tr>
<tr>
<td>200</td>
<td>EUM-200S105Lx</td>
<td>2050 ~ 3000</td>
<td>115</td>
<td>94.00%</td>
<td>102,000 Tc= 70°C</td>
<td>166(171) × 87.5 × 36.5</td>
</tr>
<tr>
<td>240</td>
<td>EUM-240S105Lx</td>
<td>2550 ~ 3500</td>
<td>220</td>
<td>93.50%</td>
<td>101,000 Tc= 70°C</td>
<td>216(201) × 87.5 × 36.5</td>
</tr>
<tr>
<td>320</td>
<td>EUM-320S105Lx</td>
<td>3000 ~ 4000</td>
<td>285</td>
<td>94.00%</td>
<td>112,000 Tc= 70°C</td>
<td>245(234) × 40 × 44.5</td>
</tr>
</tbody>
</table>

- 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: I/IVP, O/IVP, S/IVP, 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

### 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.

### Power Levels
75W 100W 150W 200W 240W 320W
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.

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- 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 TICSA-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.

### Table 1: Output Power and Model Information

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>EUM-075S105Lx</td>
<td>700 ~ 1030</td>
<td>86 ~ 107</td>
<td>90.50%</td>
<td>101,000 Tc= 70°C</td>
<td>142(125) × 87.5 × 36.5</td>
</tr>
<tr>
<td>100</td>
<td>EUM-075S150Lx</td>
<td>1030 ~ 1500</td>
<td>25 ~ 72</td>
<td>89.50%</td>
<td>112,000 Tc= 70°C</td>
<td>148(131) × 87.5 × 36.5</td>
</tr>
<tr>
<td>150</td>
<td>EUM-075S210Lx</td>
<td>1480 ~ 2100</td>
<td>54 ~ 143</td>
<td>89.00%</td>
<td>104,000 Tc= 70°C</td>
<td>178(161) × 87.5 × 36.5</td>
</tr>
<tr>
<td>200</td>
<td>EUM-075S280Lx</td>
<td>1980 ~ 2800</td>
<td>72 ~ 214</td>
<td>93.50%</td>
<td>102,000 Tc= 70°C</td>
<td>180(171) × 87.5 × 36.5</td>
</tr>
<tr>
<td>240</td>
<td>EUM-075S350Lx</td>
<td>2480 ~ 3500</td>
<td>93 ~ 343</td>
<td>94.00%</td>
<td>101,000 Tc= 70°C</td>
<td>218(201) × 87.5 × 36.5</td>
</tr>
<tr>
<td>320</td>
<td>EUM-075S420Lx</td>
<td>3280 ~ 4200</td>
<td>111 ~ 423</td>
<td>94.50%</td>
<td>112,000 Tc= 70°C</td>
<td>243(224) × 80 × 44.5</td>
</tr>
</tbody>
</table>

### Table 2: Power Levels and Safety Certifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUM-075S105Lx</td>
<td>700 ~ 1030</td>
<td>86 ~ 107</td>
<td>90.50%</td>
<td>101,000 Tc= 70°C</td>
<td>142(125) × 87.5 × 36.5</td>
</tr>
<tr>
<td>EUM-075S150Lx</td>
<td>1030 ~ 1500</td>
<td>25 ~ 72</td>
<td>89.50%</td>
<td>112,000 Tc= 70°C</td>
<td>148(131) × 87.5 × 36.5</td>
</tr>
<tr>
<td>EUM-075S210Lx</td>
<td>1480 ~ 2100</td>
<td>54 ~ 143</td>
<td>89.00%</td>
<td>104,000 Tc= 70°C</td>
<td>178(161) × 87.5 × 36.5</td>
</tr>
<tr>
<td>EUM-075S280Lx</td>
<td>1980 ~ 2800</td>
<td>72 ~ 214</td>
<td>93.50%</td>
<td>102,000 Tc= 70°C</td>
<td>180(171) × 87.5 × 36.5</td>
</tr>
<tr>
<td>EUM-075S350Lx</td>
<td>2480 ~ 3500</td>
<td>93 ~ 343</td>
<td>94.00%</td>
<td>101,000 Tc= 70°C</td>
<td>218(201) × 87.5 × 36.5</td>
</tr>
<tr>
<td>EUM-075S420Lx</td>
<td>3280 ~ 4200</td>
<td>111 ~ 423</td>
<td>94.50%</td>
<td>112,000 Tc= 70°C</td>
<td>243(224) × 80 × 44.5</td>
</tr>
</tbody>
</table>

* Class 2 Model
### 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.

### 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 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**
- **7-Year Warranty**

### Dimming Functions

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

### Safety Certifications

- **UL Recognized, ENEC, and CCC, etc. models; x=T are UL Class P models**
- **x=B are BIS models**

### Power Levels

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

### Output Power (W)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Output Power (W)</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff @ 220V/115V</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUM-075S105Bx</td>
<td>75</td>
<td>700 ~ 1050</td>
<td>26 ~ 407</td>
<td>90.50%</td>
<td>101,000</td>
<td>90 x 67.5 x 38.5</td>
</tr>
<tr>
<td>EUM-100S105Bx</td>
<td>100</td>
<td>1050 ~ 1500</td>
<td>25 ~ 72</td>
<td>88.50%</td>
<td>112,000</td>
<td>115 x 67.5 x 38.5</td>
</tr>
<tr>
<td>EUM-150S105Bx</td>
<td>150</td>
<td>1500 ~ 2100</td>
<td>18 ~ 54</td>
<td>88.00%</td>
<td>112,000</td>
<td>148 x 67.5 x 38.5</td>
</tr>
<tr>
<td>EUM-200S105Bx</td>
<td>200</td>
<td>2100 ~ 3000</td>
<td>17 ~ 54</td>
<td>91.00%</td>
<td>104,000</td>
<td>178 x 67.5 x 36.5</td>
</tr>
<tr>
<td>EUM-240S105Bx</td>
<td>240</td>
<td>3000 ~ 3900</td>
<td>15 ~ 50</td>
<td>91.00%</td>
<td>104,000</td>
<td>200 x 67.5 x 36.5</td>
</tr>
<tr>
<td>EUM-320S105Bx</td>
<td>320</td>
<td>5000 ~ 6800</td>
<td>10 ~ 30</td>
<td>93.00%</td>
<td>104,000</td>
<td>243 x 80 x 44.5</td>
</tr>
<tr>
<td>EUM-680S170BG</td>
<td>680</td>
<td>700 ~ 1050</td>
<td>48 ~ 143</td>
<td>92.50%</td>
<td>102,000</td>
<td>142(125) x 70 x 36.5</td>
</tr>
<tr>
<td>EUM-680S240BG</td>
<td></td>
<td>1050 ~ 1500</td>
<td>72 ~ 214</td>
<td>92.50%</td>
<td>102,000</td>
<td>188(171) x 70 x 36.5</td>
</tr>
<tr>
<td>EUM-680S350BG</td>
<td></td>
<td>1500 ~ 2500</td>
<td>105 ~ 314</td>
<td>94.00%</td>
<td>102,000</td>
<td>218(201) x 70 x 36.5</td>
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<tr>
<td>EUM-680S560BG</td>
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<td>2500 ~ 3500</td>
<td>175 ~ 514</td>
<td>94.00%</td>
<td>102,000</td>
<td>218(201) x 70 x 36.5</td>
</tr>
<tr>
<td>EUM-680S840BG</td>
<td></td>
<td>3500 ~ 5600</td>
<td>215 ~ 714</td>
<td>95.00%</td>
<td>102,000</td>
<td>218(201) x 70 x 36.5</td>
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<tr>
<td>EUM-680S15ABG</td>
<td></td>
<td>5600 ~ 7600</td>
<td>285 ~ 914</td>
<td>95.50%</td>
<td>102,000</td>
<td>218(201) x 70 x 36.5</td>
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<tr>
<td>EUM-680S15ABG</td>
<td></td>
<td>7600 ~ 10500</td>
<td>420 ~ 1206</td>
<td>95.00%</td>
<td>102,000</td>
<td>218(201) x 70 x 36.5</td>
</tr>
</tbody>
</table>

### Notes:

- x=G are UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models; x=B are BIS models.
**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 (Transmit Power Peak 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**

- UL Recognized, ENEC, and CCC, etc.

**Power Levels**

<table>
<thead>
<tr>
<th>Wattage</th>
<th>75W</th>
<th>100W</th>
<th>150W</th>
<th>200W</th>
<th>240W</th>
<th>320W</th>
<th>680W</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUM-075S105Bx</td>
<td>700 ~ 1050</td>
<td>36 ~ 107</td>
<td>90.50%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-075S150Bx</td>
<td>1050 ~ 1500</td>
<td>25 ~ 72</td>
<td>88.50%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-075S210Bx</td>
<td>1400 ~ 2100</td>
<td>14 ~ 64</td>
<td>80.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-100S105Bx</td>
<td>700 ~ 1050</td>
<td>44 ~ 143</td>
<td>92.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-100S150Bx</td>
<td>1050 ~ 1500</td>
<td>34 ~ 95</td>
<td>90.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-100S210Bx</td>
<td>1600 ~ 2100</td>
<td>17 ~ 54</td>
<td>91.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-150S105Bx</td>
<td>700 ~ 1050</td>
<td>50 ~ 143</td>
<td>92.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-150S150Bx</td>
<td>1050 ~ 1500</td>
<td>46 ~ 143</td>
<td>90.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-150S210Bx</td>
<td>1600 ~ 2100</td>
<td>17 ~ 54</td>
<td>91.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-200S105Bx</td>
<td>700 ~ 1050</td>
<td>50 ~ 143</td>
<td>92.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-200S150Bx</td>
<td>1050 ~ 1500</td>
<td>46 ~ 143</td>
<td>90.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-200S210Bx</td>
<td>1600 ~ 2100</td>
<td>17 ~ 54</td>
<td>91.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-240S105Bx</td>
<td>700 ~ 1050</td>
<td>50 ~ 143</td>
<td>92.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-240S150Bx</td>
<td>1050 ~ 1500</td>
<td>46 ~ 143</td>
<td>90.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-240S210Bx</td>
<td>1600 ~ 2100</td>
<td>17 ~ 54</td>
<td>91.00%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.
### 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.

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Full-voltage Range (Vdc)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>SUM-220S300M/HF</td>
<td>4100 – 5300</td>
<td>34 – 54</td>
<td>94.00%</td>
<td>100,000 TC=70°C</td>
<td>294(270) x 43.5 x 31.5</td>
</tr>
<tr>
<td>330</td>
<td>SUM-330S300M/HF</td>
<td>6100 – 8300</td>
<td>34 – 54</td>
<td>94.50%</td>
<td>100,000 TC=70°C</td>
<td>390(372) x 43.5 x 31.5</td>
</tr>
<tr>
<td>440</td>
<td>SUM-440S300M/HF</td>
<td>8200 – 9200</td>
<td>34 – 54</td>
<td>94.50%</td>
<td>100,000 TC=70°C</td>
<td>420(410) x 43.5 x 31.5</td>
</tr>
<tr>
<td>760 (Update)</td>
<td>SUM-760S530MF/MT</td>
<td>14000 – 15800</td>
<td>34 – 54</td>
<td>95.50%</td>
<td>102,000 TC=70°C</td>
<td>415(396) × 108 × 48.5</td>
</tr>
<tr>
<td>1000 (Update)</td>
<td>SUM-1K0S530MF/MT</td>
<td>18500 – 21000</td>
<td>34 – 54</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>450(425) × 108 × 48.5</td>
</tr>
<tr>
<td></td>
<td>SUM-1K0S530MGR</td>
<td>18500 – 21000</td>
<td>34 – 54</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>415(396) × 108 × 48.5</td>
</tr>
<tr>
<td></td>
<td>SUM-1K0S530MG/MT</td>
<td>6700 – 8400</td>
<td>84 – 149</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>414(389) × 90 × 48.5</td>
</tr>
<tr>
<td></td>
<td>SUM-1K0S530MGR/MT</td>
<td>6700 – 8400</td>
<td>84 – 149</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>414(389) × 90 × 48.5</td>
</tr>
</tbody>
</table>

#### 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 II, Division 2 Hazardous (Classified) Location
- Input Surge Protection Up to: DM 6kV, CM 10kV

#### Power Levels
- 220W, 330W, 440W
- 760W, 1000W

#### Safety Certifications
- CE
- UL
- CB

#### 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 ≤0.5W (HF Models)
- Isolated 0-10V/10V PWM/3-Timer-Modes
- Always-on Auxiliary Power: 12Vdc, 250mA (MF Models)
- Low Inrush Current
- Always-on Auxiliary Power: 12Vdc, 250mA (MF Models)
- Hot-plugging Protection
- Parallel LED Protection
- IP66 / IP67 and UL Dry / Damp / Wet Location
- All-Around Protection: OVP, SCP, OTP

#### 760W, 1000W Features
- 50mm Width
- Maximum Dimming Level with 9V or 10V Selectable
- Minimum Dimming Level with 5% or 10% Selectable
- IN6 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: OVP, IOVP, 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.

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Full-voltage Range (Vdc)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>SUM-220S300M/HF</td>
<td>4100 – 5300</td>
<td>34 – 54</td>
<td>94.00%</td>
<td>100,000 TC=70°C</td>
<td>294(270) x 43.5 x 31.5</td>
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<tr>
<td>330</td>
<td>SUM-330S300M/HF</td>
<td>6100 – 8300</td>
<td>34 – 54</td>
<td>94.50%</td>
<td>100,000 TC=70°C</td>
<td>390(372) x 43.5 x 31.5</td>
</tr>
<tr>
<td>440</td>
<td>SUM-440S300M/HF</td>
<td>8200 – 9200</td>
<td>34 – 54</td>
<td>94.50%</td>
<td>100,000 TC=70°C</td>
<td>420(410) x 43.5 x 31.5</td>
</tr>
<tr>
<td>760 (Update)</td>
<td>SUM-760S530MF/MT</td>
<td>14000 – 15800</td>
<td>34 – 54</td>
<td>95.50%</td>
<td>102,000 TC=70°C</td>
<td>415(396) × 108 × 48.5</td>
</tr>
<tr>
<td>1000 (Update)</td>
<td>SUM-1K0S530MF/MT</td>
<td>18500 – 21000</td>
<td>34 – 54</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
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</tr>
<tr>
<td></td>
<td>SUM-1K0S530MGR</td>
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<td>100,000 TC=70°C</td>
<td>414(389) × 90 × 48.5</td>
</tr>
</tbody>
</table>
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.

### 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
- CE
- CB
- UL
- FCC
- RoHS

### 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 ≤ 0.5W (HF Models)
- Isolated 0-10V/10V PWM/3-Timer-Modes
- Always-on Auxiliary Power: 12Vdc, 250mA (MF Models)
- Low Inrush Current (Above 220W)
- IP66 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, IOPV, OVP, SCP, OTP

### Model Specifications

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
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<td>SUM-220S300MF/HF</td>
<td>4100 ~ 5300</td>
<td>34 ~ 54</td>
<td>94.00%</td>
<td>100,000 TC=70°C</td>
<td>94.00%</td>
</tr>
<tr>
<td>330</td>
<td>SUM-330S690MF/HF</td>
<td>6100 ~ 8300</td>
<td>34 ~ 54</td>
<td>94.50%</td>
<td>100,000 TC=70°C</td>
<td>94.50%</td>
</tr>
<tr>
<td>440</td>
<td>SUM-440S920MF/HF</td>
<td>8200 ~ 9300</td>
<td>34 ~ 54</td>
<td>94.50%</td>
<td>100,000 TC=70°C</td>
<td>94.50%</td>
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<tr>
<td>760 (Update)</td>
<td>SUM-760S15AMG/MT</td>
<td>14000 ~ 15800</td>
<td>34 ~ 54</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>95.50%</td>
</tr>
<tr>
<td>760 (Update)</td>
<td>SUM-760S15AMGS</td>
<td>14000 ~ 15800</td>
<td>34 ~ 54</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>95.50%</td>
</tr>
<tr>
<td>760 (Update)</td>
<td>SUM-760S15AMGR</td>
<td>14000 ~ 15800</td>
<td>34 ~ 54</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>95.50%</td>
</tr>
<tr>
<td>1000 (Update)</td>
<td>SUM-1KS21AMG/MT</td>
<td>18500 ~ 21000</td>
<td>34 ~ 54</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>95.50%</td>
</tr>
<tr>
<td>1000 (Update)</td>
<td>SUM-1KS21AMGS</td>
<td>18500 ~ 21000</td>
<td>34 ~ 54</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>95.50%</td>
</tr>
<tr>
<td>1000 (Update)</td>
<td>SUM-1KS21AMGR</td>
<td>18500 ~ 21000</td>
<td>34 ~ 54</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>95.50%</td>
</tr>
<tr>
<td>1000 (Update)</td>
<td>SUM-1KS54AMG/MT</td>
<td>6700 ~ 8400</td>
<td>84 ~ 149</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>95.50%</td>
</tr>
<tr>
<td>1000 (Update)</td>
<td>SUM-1KS54AMGS</td>
<td>6700 ~ 8400</td>
<td>84 ~ 149</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>95.50%</td>
</tr>
<tr>
<td>1000 (Update)</td>
<td>SUM-1KS54AMGR</td>
<td>6700 ~ 8400</td>
<td>84 ~ 149</td>
<td>95.50%</td>
<td>100,000 TC=70°C</td>
<td>95.50%</td>
</tr>
</tbody>
</table>
### Inventronics Advantages
- **High Efficiency (Up to 94.0%)**
- **Full Power at Wide Output Current Range (Constant Power)**
- **Adjustable Output Current (AOC) with Programmability**
- **Input Voltage Range: 90 ~ 305Vac**
- **Compact Metal Case with Excellent Thermal Performance**
- **Input Surge Protection Up to: DM 6kV, CM 10kV**
- **All-Around Protection: OVP, SCP, OTP**
- **IP66 / IP67**
- **Suitable for Luminaries with Protection Class I and II**
- **5-Year Warranty**

### Dimming Functions
- Isolated 1-5V / 1-10V / 10V PWM / 3-Timer-Modes

### Safety Certifications
- ◼️ UKCA
- ◼️ CE
- ◼️ CB
- ◼️ SAA
- ◼️ EAC
- ◼️ NOM

### 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.

### LED Drivers CP Class I / II
**EUM-DE**

**Innovating Advantages**

**About EUM-DE**

---

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full Power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 220V (Vo)</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>EUM-030S05DE</td>
<td>300 ~ 500</td>
<td>30 ~ 110</td>
<td>89.90%</td>
<td>120,000 To=70ºC</td>
<td>112(95) × 64 × 36.5</td>
</tr>
<tr>
<td>50</td>
<td>EUM-030S10DE</td>
<td>500 ~ 1050</td>
<td>17 ~ 54</td>
<td>87.90%</td>
<td>103,000 To=70ºC</td>
<td>112(95) × 64 × 36.5</td>
</tr>
<tr>
<td>75</td>
<td>EUM-050S15DE</td>
<td>70 ~ 1500</td>
<td>17 ~ 54</td>
<td>89.90%</td>
<td>100,000 To=70ºC</td>
<td>153(138) × 85 × 36.5</td>
</tr>
<tr>
<td>110</td>
<td>EUM-100S20DE</td>
<td>100 ~ 2000</td>
<td>18 ~ 54</td>
<td>90.50%</td>
<td>114,000 To=70ºC</td>
<td>153(138) × 85 × 36.5</td>
</tr>
<tr>
<td>150</td>
<td>EUM-150S30DE</td>
<td>150 ~ 3000</td>
<td>18 ~ 54</td>
<td>92.00%</td>
<td>106,000 To=70ºC</td>
<td>183(168) × 85 × 36.5</td>
</tr>
<tr>
<td>200</td>
<td>EUM-200S40DE</td>
<td>200 ~ 4000</td>
<td>18 ~ 54</td>
<td>93.50%</td>
<td>100,000 To=70ºC</td>
<td>193(176) × 85 × 36.5</td>
</tr>
<tr>
<td>240 (optional)</td>
<td>EUM-240S50DE</td>
<td>240 ~ 5000</td>
<td>18 ~ 57</td>
<td>93.50%</td>
<td>100,000 To=70ºC</td>
<td>223(206) × 85 × 36.5</td>
</tr>
</tbody>
</table>
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

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.

Dimming Functions

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

Safety Certifications

- UL / CUL
- CE
- CB
- SAA
- cETL
- NOM

Power Levels

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

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff.@ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>EUM-030S050DE</td>
<td>300 ~ 500</td>
<td>30 ~ 100</td>
<td>90.00%</td>
<td>120,000 To=70°C</td>
<td>112(95) × 64 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EUM-030S105DE</td>
<td>550 ~ 1050</td>
<td>17 ~ 34</td>
<td>90.00%</td>
<td>103,000 To=70°C</td>
<td>112(95) × 64 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EUM-050S050DE</td>
<td>300 ~ 530</td>
<td>47 ~ 167</td>
<td>90.00%</td>
<td>103,000 To=70°C</td>
<td>112(95) × 64 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EUM-050S105DE</td>
<td>550 ~ 960</td>
<td>28 ~ 91</td>
<td>90.00%</td>
<td>103,000 To=70°C</td>
<td>112(95) × 64 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EUM-075S050DE</td>
<td>620 ~ 1050</td>
<td>17 ~ 54</td>
<td>90.00%</td>
<td>100,000 To=70°C</td>
<td>153(138) × 63 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EUM-075S105DE</td>
<td>700 ~ 1500</td>
<td>36 ~ 107</td>
<td>90.00%</td>
<td>153(138) × 63 × 36.5</td>
<td></td>
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<td>EUM-075S150DE</td>
<td>1000 ~ 1500</td>
<td>25 ~ 72</td>
<td>90.00%</td>
<td>153(138) × 63 × 36.5</td>
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<tr>
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<td>EUM-075S210DE</td>
<td>1400 ~ 2100</td>
<td>18 ~ 54</td>
<td>90.00%</td>
<td>153(138) × 63 × 36.5</td>
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</tr>
<tr>
<td></td>
<td>EUM-100S050DE</td>
<td>300 ~ 530</td>
<td>48 ~ 143</td>
<td>93.00%</td>
<td>114,000 To=70°C</td>
<td>153(138) × 63 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EUM-100S105DE</td>
<td>700 ~ 1050</td>
<td>34 ~ 95</td>
<td>93.00%</td>
<td>153(138) × 63 × 36.5</td>
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<tr>
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<td>EUM-100S150DE</td>
<td>1000 ~ 1500</td>
<td>17 ~ 54</td>
<td>92.00%</td>
<td>153(138) × 63 × 36.5</td>
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<td>EUM-100S200DE</td>
<td>1750 ~ 2800</td>
<td>17 ~ 54</td>
<td>92.00%</td>
<td>153(138) × 63 × 36.5</td>
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<tr>
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<td>EUM-100S280DE</td>
<td>3000 ~ 4300</td>
<td>17 ~ 54</td>
<td>92.00%</td>
<td>153(138) × 63 × 36.5</td>
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<tr>
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<td>EUM-150S050DE</td>
<td>530 ~ 700</td>
<td>107 ~ 264</td>
<td>93.00%</td>
<td>106,000 To=70°C</td>
<td>183(166) × 63 × 36.5</td>
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<tr>
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<td>EUM-150S105DE</td>
<td>700 ~ 1050</td>
<td>72 ~ 214</td>
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<td>106,000 To=70°C</td>
<td>183(166) × 63 × 36.5</td>
</tr>
<tr>
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<td>EUM-150S150DE</td>
<td>1000 ~ 1500</td>
<td>50 ~ 143</td>
<td>93.00%</td>
<td>106,000 To=70°C</td>
<td>183(166) × 63 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EUM-150S200DE</td>
<td>1400 ~ 2100</td>
<td>36 ~ 107</td>
<td>92.00%</td>
<td>106,000 To=70°C</td>
<td>183(166) × 63 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EUM-200S050DE</td>
<td>2800 ~ 4300</td>
<td>15 ~ 54</td>
<td>91.00%</td>
<td>100,000 To=70°C</td>
<td>193(176) × 63 × 36.5</td>
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<tr>
<td></td>
<td>EUM-200S105DE</td>
<td>700 ~ 1050</td>
<td>142 ~ 378</td>
<td>94.00%</td>
<td>100,000 To=70°C</td>
<td>193(176) × 63 × 36.5</td>
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<tr>
<td></td>
<td>EUM-200S150DE</td>
<td>1000 ~ 1500</td>
<td>95 ~ 286</td>
<td>93.50%</td>
<td>100,000 To=70°C</td>
<td>193(176) × 63 × 36.5</td>
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<tr>
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<td>EUM-200S200DE</td>
<td>1300 ~ 2800</td>
<td>87 ~ 190</td>
<td>93.00%</td>
<td>100,000 To=70°C</td>
<td>193(176) × 63 × 36.5</td>
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<tr>
<td></td>
<td>EUM-200S280DE</td>
<td>1800 ~ 2800</td>
<td>36 ~ 111</td>
<td>92.00%</td>
<td>100,000 To=70°C</td>
<td>193(176) × 63 × 36.5</td>
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<tr>
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<td>EUM-200S500DE</td>
<td>3500 ~ 5800</td>
<td>18 ~ 57</td>
<td>92.00%</td>
<td>100,000 To=70°C</td>
<td>193(176) × 63 × 36.5</td>
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<tr>
<td></td>
<td>EUM-240S050DE</td>
<td>530 ~ 700</td>
<td>171 ~ 453</td>
<td>94.00%</td>
<td>100,000 To=70°C</td>
<td>223(206) × 63 × 36.5</td>
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<tr>
<td></td>
<td>EUM-240S105DE</td>
<td>700 ~ 1050</td>
<td>115 ~ 343</td>
<td>94.00%</td>
<td>100,000 To=70°C</td>
<td>223(206) × 63 × 36.5</td>
</tr>
<tr>
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<td>EUM-240S150DE</td>
<td>1000 ~ 1500</td>
<td>90 ~ 229</td>
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<td>100,000 To=70°C</td>
<td>223(206) × 63 × 36.5</td>
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<tr>
<td></td>
<td>EUM-240S200DE</td>
<td>2100 ~ 3500</td>
<td>35 ~ 111</td>
<td>93.00%</td>
<td>100,000 To=70°C</td>
<td>223(206) × 63 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EUM-240S500DE</td>
<td>4300 ~ 8700</td>
<td>18 ~ 57</td>
<td>92.00%</td>
<td>100,000 To=70°C</td>
<td>223(206) × 63 × 36.5</td>
</tr>
</tbody>
</table>
## 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
- 100% Load Max Each Channel
- 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

## Power Levels
- 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.

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

## Safety Certifications
- CE, UL, FCC, C-Tick, CB, PSE, BSMI, BIS, SAA, TüV, IEC, EN, CE, FCC, CB, NEMKO, C-Tick

## About EUW
- 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
- Dim-to-Off with Standby Power in independent mode (Optional)
- Input Surge Protection Up to: DM 6KV, CM10KV
- All-Around Protection: OVP, SCP, OTP
- Input Over Voltage Protection (IOVP) at 440Vac with 48 Hours
- 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
- Dim-to-Off with Standby Power in independent mode (Optional)
- Input Surge Protection Up to: DM 6KV, CM10KV
- All-Around Protection: OVP, SCP, OTP

## Output Power

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Efficiency @ 220Vac (%)</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H) (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUW-040D105Dx</td>
<td>700 ~ 1050</td>
<td>18 ~ 57</td>
<td>88.50%</td>
<td>120,000</td>
<td>142(125) × 64 × 36.5</td>
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<tr>
<td>EUW-060D105Dx</td>
<td>1050 ~ 1400</td>
<td>28 ~ 86</td>
<td>89.00%</td>
<td>106,000</td>
<td>142(125) × 64 × 36.5</td>
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<tr>
<td>EUW-100D105Dx</td>
<td>1050 ~ 1400</td>
<td>53 ~ 143</td>
<td>91.00%</td>
<td>100,000</td>
<td>142(125) × 64 × 36.5</td>
</tr>
<tr>
<td>EUW-150D105Dx</td>
<td>1850 ~ 2100</td>
<td>120,000</td>
<td>Tc=70°C</td>
<td>247(230) × 64 × 36.5</td>
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</tr>
<tr>
<td>EUW-200D105Dx</td>
<td>3700 ~ 4200</td>
<td>53 ~ 143</td>
<td>91.00%</td>
<td>100,000</td>
<td>142(125) × 64 × 36.5</td>
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<tr>
<td>EUW-240D105Dx</td>
<td>3700 ~ 4200</td>
<td>180 ~ 190</td>
<td>92.00%</td>
<td>142(125) × 64 × 36.5</td>
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</tr>
<tr>
<td>EUW-240D500Dx</td>
<td>3700 ~ 4200</td>
<td>80 ~ 190</td>
<td>92.00%</td>
<td>142(125) × 64 × 36.5</td>
<td></td>
</tr>
<tr>
<td>EUW-240D500Dx</td>
<td>3700 ~ 4200</td>
<td>53 ~ 143</td>
<td>92.00%</td>
<td>142(125) × 64 × 36.5</td>
<td></td>
</tr>
<tr>
<td>EUW-240D500Dx</td>
<td>3700 ~ 4200</td>
<td>53 ~ 143</td>
<td>92.00%</td>
<td>142(125) × 64 × 36.5</td>
<td></td>
</tr>
</tbody>
</table>

## Specifications
- High Efficiency (Up to 93.5%)
- 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
- Dim-to-Off with Standby Power in independent mode (Optional)
- Input Surge Protection: DM 4kV, CM 6kV
- All-Around Protection: OVP, SCP, OTP
- CE, UL, FCC, C-Tick, PSE, BSMI, BIS, C-Tick, EAC, SAA, TüV, CE, FCC, CB, NEMKO, C-Tick
- 5-Year Warranty

## EAM
- High Efficiency (Up to 93.5%)
- 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
- Dim-to-Off with Standby Power in independent mode (Optional)
- Input Surge Protection Up to: DM 6KV, CM10KV
- All-Around Protection: OVP, SCP, OTP
- Input Over Voltage Protection (IOVP) at 440Vac with 48 Hours

## EUW
- 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
- 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

## EAM
- High Efficiency (Up to 93.5%)
- 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
- Dim-to-Off with Standby Power in independent mode (Optional)
- Input Surge Protection: DM 4kV, CM 6kV
- All-Around Protection: OVP, SCP, OTP
- CE, UL, FCC, C-Tick, PSE, BSMI, BIS, C-Tick, EAC, SAA, TüV, CE, FCC, CB, NEMKO, C-Tick
- 5-Year Warranty

## EUW
- 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
- Dim-to-Off with Standby Power in independent mode (Optional)
- Input Surge Protection Up to: DM 6KV, CM10KV
- All-Around Protection: OVP, SCP, OTP
- Input Over Voltage Protection (IOVP) at 440Vac with 48 Hours
- 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
- Dim-to-Off with Standby Power in independent mode (Optional)
- Input Surge Protection: DM 4kV, CM 6kV
- All-Around Protection: OVP, SCP, OTP
- CE, UL, FCC, C-Tick, PSE, BSMI, BIS, C-Tick, EAC, SAA, TüV, CE, FCC, CB, NEMKO, C-Tick
- 5-Year Warranty
**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, SCP, OTP
- IP66/IP67
- 5-Year Warranty

**Safety Certifications**
- EUW: x = V is CCC model; x = F is UL,FCC model.
- 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.

**Power Levels**
- EAM
  - 75W
  - 100W
  - 150W
  - 200W
  - 250W
  - 300W
  - 350W
  - 400W
  - 450W
  - 500W
  - 550W
  - 600W
  - 650W
  - 700W
  - 750W
  - 800W
  - 850W
  - 900W
  - 950W
  - 1000W
  - 1050W
  - 1100W
  - 1150W
  - 1200W
  - 1250W
  - 1300W
  - 1350W
  - 1400W
  - 1450W
  - 1500W
  - 1550W
  - 1600W
  - 1650W
  - 1700W
  - 1750W
  - 1800W
  - 1850W
  - 1900W
  - 1950W
  - 2000W
  - 2050W
  - 2100W
  - 2150W
  - 2200W
  - 2250W
  - 2300W
  - 2350W
  - 2400W
  - 2450W

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

**Safety Certifications**
- EUW
  - High Efficiency (Up to 93.5%)
  - 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: DM 6KV, CM 10KV
  - All-Around Protection: OVP, SCP, OTP
  - UL60601-1, IP66/IP67, SELV
  - 5-Year Warranty

**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.
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

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

Safety Certifications

Power Levels
26W 30W 35W 40W 60W

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.

Inventronics EUC-M

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vac)</th>
<th>Eff. @ 220Vac</th>
<th>Lifelime (hours)</th>
<th>Dimensions (L”W”H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>EUC-025S</td>
<td>20 ~ 43</td>
<td>85.00%</td>
<td>90,000</td>
<td>Tc= 70°C</td>
<td>97(80) × 64 + 32</td>
</tr>
<tr>
<td>30</td>
<td>EUC-030S</td>
<td>20 ~ 43</td>
<td>85.00%</td>
<td>105(88)</td>
<td>Tc= 70°C</td>
<td>105(88) × 64 + 32</td>
</tr>
<tr>
<td>35</td>
<td>EUC-035S</td>
<td>20 ~ 43</td>
<td>85.00%</td>
<td>80,000</td>
<td>Tc= 75°C</td>
<td>97(80) × 64 + 32</td>
</tr>
<tr>
<td>40</td>
<td>EUC-040S</td>
<td>20 ~ 43</td>
<td>85.00%</td>
<td>93,000</td>
<td>Tc= 75°C</td>
<td>105(88) × 64 + 32</td>
</tr>
<tr>
<td>55</td>
<td>EUC-055S</td>
<td>20 ~ 43</td>
<td>85.00%</td>
<td>95,900</td>
<td>Tc= 70°C</td>
<td>112(95) × 64 + 32</td>
</tr>
<tr>
<td>60</td>
<td>EUC-060S</td>
<td>20 ~ 43</td>
<td>85.00%</td>
<td>85,800</td>
<td>Tc= 70°C</td>
<td>112(95) × 64 + 32</td>
</tr>
</tbody>
</table>

* Class 2 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

Dimming Functions

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

Safety Certifications

- UL
- CE
- CB
- CQC
- GS
- LVD
- RoHS
- REA
- CCC

Power Levels

26W 30W 35W 40W 60W

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.

Above EUC-M

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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 II, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 7-Year Warranty

Dimming Functions

- 0-10V / PWM / 3-Timer-Mode (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
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

### Power Levels
- 75W 96W 150W 200W 240W 320W 480W 600W

### Safety Certifications
- CE
- CB
- UL
- TUV
- ETL
- cUL
- IEC
- FCC
- RoHS
- AGL
- DALI
- Energy Star

### Model Specifications

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Outpu t Voltage Range (VDC)</th>
<th>Eff. @ 220V (Lm/W)</th>
<th>Lifetime (hours)</th>
<th>Dimensions (LxWxH)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>EUD-075S/575S/750T/750DT/750DV</td>
<td>700 ~ 1050</td>
<td>4200 ~ 6200</td>
<td>750 ~ 1500</td>
<td>7500</td>
<td>90,000 Tc= 70°C</td>
</tr>
<tr>
<td>90</td>
<td>EUD-090S/900S/900T/900DT/900DV</td>
<td>750 ~ 1050</td>
<td>4800 ~ 6700</td>
<td>750 ~ 1500</td>
<td>9000</td>
<td>104,000 Tc= 70°C</td>
</tr>
<tr>
<td>150</td>
<td>EUD-150S/150T/150DT/150DV</td>
<td>1050 ~ 1500</td>
<td>5400 ~ 6700</td>
<td>750 ~ 1500</td>
<td>15000</td>
<td>108,000 Tc= 70°C</td>
</tr>
<tr>
<td>240</td>
<td>EUD-240S/240T/240DT/240DV</td>
<td>1500 ~ 2000</td>
<td>4200 ~ 6700</td>
<td>750 ~ 1500</td>
<td>16000</td>
<td>96,000 Tc= 70°C</td>
</tr>
<tr>
<td>320</td>
<td>EUD-320S/320T/320DT/320DV</td>
<td>2000 ~ 2500</td>
<td>3600 ~ 5400</td>
<td>750 ~ 1500</td>
<td>20000</td>
<td>97,000 Tc= 70°C</td>
</tr>
<tr>
<td>480</td>
<td>EUD-480S/480T/480DT/480DV</td>
<td>2500 ~ 3200</td>
<td>2900 ~ 4400</td>
<td>750 ~ 1500</td>
<td>26000</td>
<td>91,000 Tc= 70°C</td>
</tr>
<tr>
<td>600</td>
<td>EUD-600S/600T/600DT/600DV</td>
<td>3000 ~ 3600</td>
<td>2400 ~ 3200</td>
<td>750 ~ 1500</td>
<td>30000</td>
<td>90,000 Tc= 70°C</td>
</tr>
</tbody>
</table>

### Additional Features
- Class 2 Model
- 7-Year Warranty
- Input Surge Protection: DM 6kV, CM 10kV
- Thermal Sensing and Protection for LED Module
- Adjustable Output Current (AOC) with Programability
- Full Power at Wide Output Current Range (Constant Power)
- Dimming Functions
- Safety Certifications
- 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
- 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
- All-Round Protection: OVP, SCP, OTP

**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 (DAC) with Programmability
- 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
- 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

**Dimming Functions**

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

**Safety Certifications**

- UL, cUL, CE, CB, BSMI, TUV, IEC, RoHS, REACH

**Power Levels**

96W  150W  240W
### EUD-L

**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

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td>EUD-096S700DTL/DVL</td>
<td>450 ~ 700</td>
<td>74 ~ 213</td>
<td>92.50%</td>
<td>100,000 To=85°C</td>
<td>209(188) × 67.5 × 39.7</td>
</tr>
<tr>
<td></td>
<td>EUD-096S105DTL/DVL</td>
<td>700 ~ 1050</td>
<td>48 ~ 137</td>
<td>92.00%</td>
<td>100,000 To=85°C</td>
<td>246(225) × 67.5 × 39.7</td>
</tr>
<tr>
<td></td>
<td>EUD-096S215DTL</td>
<td>1750 ~ 2150</td>
<td>24 ~ 65</td>
<td>91.50%</td>
<td>100,000 To=85°C</td>
<td>209(180) × 67.5 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EUD-096S350DTL/DVL</td>
<td>2450 ~ 3500</td>
<td>14 ~ 39</td>
<td>91.50%</td>
<td>100,000 To=85°C</td>
<td>246(225) × 67.5 × 36.5</td>
</tr>
<tr>
<td>150</td>
<td>EUD-150S700DTL/DVL</td>
<td>450 ~ 700</td>
<td>117 ~ 333</td>
<td>93.00%</td>
<td>209(180) × 67.5 × 36.7</td>
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<tr>
<td></td>
<td>EUD-150S105DTL/DVL</td>
<td>700 ~ 1050</td>
<td>75 ~ 214</td>
<td>93.00%</td>
<td>209(180) × 67.5 × 36.7</td>
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<tr>
<td></td>
<td>EUD-150S210DTL/DVL</td>
<td>1400 ~ 2100</td>
<td>38 ~ 107</td>
<td>92.50%</td>
<td>209(180) × 67.5 × 36.7</td>
<td></td>
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<tr>
<td></td>
<td>EUD-150S320DTL/DVL</td>
<td>2450 ~ 3500</td>
<td>22 ~ 61</td>
<td>92.00%</td>
<td>209(180) × 67.5 × 36.7</td>
<td></td>
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<tr>
<td></td>
<td>EUD-150S560DTL/DVL</td>
<td>3850 ~ 5600</td>
<td>14 ~ 45</td>
<td>91.50%</td>
<td>209(180) × 67.5 × 36.7</td>
<td></td>
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<tr>
<td>240</td>
<td>EUD-240S105DTL/DVL</td>
<td>700 ~ 1050</td>
<td>114 ~ 340</td>
<td>93.00%</td>
<td>246(225) × 67.5 × 36.7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUD-240S210DTL/DVL</td>
<td>1400 ~ 2100</td>
<td>137 ~ 471</td>
<td>93.00%</td>
<td>246(225) × 67.5 × 36.7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUD-240S500DTL/DVL</td>
<td>2800 ~ 5200</td>
<td>29 ~ 88</td>
<td>90.50%</td>
<td>246(225) × 67.5 × 36.7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EUD-240S670DTL/DVL</td>
<td>4450 ~ 6700</td>
<td>18 ~ 54</td>
<td>93.00%</td>
<td>246(225) × 67.5 × 36.7</td>
<td></td>
</tr>
</tbody>
</table>

* Class 2 Model
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.

### 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

### Dimming Functions
- Isolated 0-10V (DTA / DVA Models)

### Safety Certifications

### Power Levels
26W 76W 96W 150W 200W 250W 300W 600W

### 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.

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Output Current Range (A)</th>
<th>Output Voltage (Vdc)</th>
<th>Eff @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
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<td>12</td>
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<td></td>
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</tr>
<tr>
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<td>EUV250S012ST/SV</td>
<td>0 ~ 1.50</td>
<td>24</td>
<td>91.00%</td>
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<td></td>
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<tr>
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<td>58,000</td>
<td>251(234) * 90 * 44.5</td>
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<td>24</td>
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<td></td>
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<tr>
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<td>EUV300S012ST/SV</td>
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<td>0 ~ 8.33</td>
<td>36</td>
<td>92.00%</td>
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<td>EUV300S012ST/SV</td>
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<td>0 ~ 6.25</td>
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<tr>
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</tr>
<tr>
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<td>106,000</td>
<td>275(250) * 144 * 48.5</td>
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<tr>
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<td>0 ~ 11.20</td>
<td>54</td>
<td>90.00%</td>
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</tr>
</tbody>
</table>

* Class 2 Model
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
- 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

###Power Levels
26W 76W 150W 200W 250W 300W 600W

###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.

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Output Current Range (A)</th>
<th>Output Voltage (Vdc)</th>
<th>Eff @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>EU026S024PS</td>
<td>0 ~ 1.08</td>
<td>12</td>
<td>84.00%</td>
<td>91,100 To: +60°C</td>
<td>76 × 80 × 27</td>
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</tr>
<tr>
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<tr>
<td>76</td>
<td>EU076S024ST/SV</td>
<td>0 ~ 1.17</td>
<td>24</td>
<td>80.00%</td>
<td>51,000 To: +65°C</td>
<td>177(150) × 67.5 × 36.5</td>
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<tr>
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<tr>
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<tr>
<td>96</td>
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<td>0 ~ 2.26</td>
<td>36</td>
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<td>59,400 To: +60°C</td>
<td>251(224) × 90 × 37</td>
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<td>0 ~ 4.00</td>
<td>48</td>
<td>89.00%</td>
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<tr>
<td>150</td>
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<td>0 ~ 2.80</td>
<td>48</td>
<td>89.00%</td>
<td>77,200 To: +60°C</td>
<td>226(199) × 67.5 × 39.5</td>
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<tr>
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<td>0 ~ 3.50</td>
<td>12</td>
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<td>89,000 To: +70°C</td>
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<td>24</td>
<td>92.00%</td>
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<td></td>
</tr>
<tr>
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<td>EU150S036ST/SV</td>
<td>0 ~ 8.33</td>
<td>24</td>
<td>92.00%</td>
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<tr>
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<td>EU150S048ST/SV</td>
<td>0 ~ 10.41</td>
<td>24</td>
<td>92.00%</td>
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<tr>
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<td>24</td>
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<td>75,200 To: +60°C</td>
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<td>92.00%</td>
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<td>EU150S036ST/SV</td>
<td>0 ~ 10.41</td>
<td>24</td>
<td>92.00%</td>
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<td></td>
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<td>EU150S048ST/SV</td>
<td>0 ~ 12.50</td>
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<td>92.00%</td>
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<td></td>
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<tr>
<td>250</td>
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<td>59,400 To: +60°C</td>
<td>251(224) × 90 × 37.5</td>
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<td>EU200S024ST/SV</td>
<td>0 ~ 18.33</td>
<td>24</td>
<td>92.00%</td>
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<td>58,000 To: +60°C</td>
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<td>EU250S012ST/SV</td>
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<td>91.50%</td>
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<tr>
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<td>EU300S048ST/SV</td>
<td>0 ~ 55.80</td>
<td>24</td>
<td>91.50%</td>
<td></td>
<td></td>
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</table>
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 ≤ 0.5W (Function Selectable)
- Input Surge Protection: DI 8kV, CM 8kV
- AI-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

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)

Accessories for EUR (320W)

Power Levels

160W  250W  320W

<table>
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<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L x W x H)(mm)</th>
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<td>3000 ~ 4200</td>
<td>34 ~ 54</td>
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<td>98,000 Tc= 70°C</td>
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<tr>
<td>250</td>
<td>EUR-250S670Dx/Sx</td>
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<td>34 ~ 54</td>
<td>92.00%</td>
<td>106,000 Tc= 70°C</td>
<td>Ø 145 x 68.5</td>
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<td>35 ~ 100</td>
<td>92.50%</td>
<td>75,000 Tc= 70°C</td>
<td>Ø 160 x 79.6</td>
</tr>
</tbody>
</table>

- 0: Due to the size, it will not fit in the space provided.
- **: x=G are UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models.

LED Drivers  CP Circular

Driving the Lighting Revolution

<table>
<thead>
<tr>
<th>Safety Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimming Functions</th>
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<tr>
<th>Accessories for EUR (320W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR-320S460Dx/Sx</td>
</tr>
<tr>
<td>EUR-320S670Dx/Sx</td>
</tr>
</tbody>
</table>

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<tr>
<th>Accessories for EUR (160W/250W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR-160S420Dx/Sx</td>
</tr>
<tr>
<td>EUR-250S670Dx/Sx</td>
</tr>
</tbody>
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<td>EUR-320S460Dx/Sx</td>
</tr>
<tr>
<td>EUR-320S670Dx/Sx</td>
</tr>
</tbody>
</table>

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 ≤ 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

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)

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

Accessories for EUR (320W)

- : E are UL Recognized, ENEC and CCC, etc. models; : T are UL Class P models.

Power Levels

160W 250W 320W

---

### Table: EUR Series Specifications

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range(A)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L x W x H) (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>160</td>
<td>EUR-160S420Dx/Sx</td>
<td>3000 ~ 4200</td>
<td>34 ~ 54</td>
<td>91.50%</td>
<td>98,000</td>
<td>130 x 62</td>
</tr>
<tr>
<td>250</td>
<td>EUR-250S670Dx/Sx</td>
<td>4600 ~ 6700</td>
<td>34 ~ 54</td>
<td>92.00%</td>
<td>106,000</td>
<td>145 x 68.5</td>
</tr>
<tr>
<td>320</td>
<td>EUR-320S460Dx/Sx</td>
<td>3200 ~ 4600</td>
<td>35 ~ 100</td>
<td>92.50%</td>
<td>75,000</td>
<td>180 x 79.6</td>
</tr>
<tr>
<td></td>
<td>EUR-320S670Dx/Sx</td>
<td>4600 ~ 6700</td>
<td>34 ~ 68</td>
<td>92.50%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.

### 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
- CE
- UL
- CB
- FCC
- C-Tick
- VDE
- BIS
- E-Mark
- SABS
- TUV

### 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 (Vac) | Eff @ 220Vac | Lifetime (hours) | Dimensions (L"*W"*H")(mm) |
---|---|---|---|---|---|---|
60 | LUD-060S055BS2 | 385 ~ 550 | 31 ~ 156 | 90.00% | 107,000 | 378 × 30 × 21 |
60 | LUD-060S078BS2 | 546 ~ 780 | 22 ~ 110 | 90.00% | 112,000 | 378 × 30 × 21 |
60 | LUD-060S110BS2 | 770 ~ 1100 | 16 ~ 78 | 90.00% | 115,000 | 378 × 30 × 21 |
60 | LUD-060S150BS2 | 1050 ~ 1500 | 12 ~ 57 | 89.00% | 118,000 | 378 × 30 × 21 |
60 | LUD-060S210BS2 | 1470 ~ 2100 | 8 ~ 40 | 89.00% | 120,000 | 378 × 30 × 21 |
60 | LUD-060S055DS2 | 385 ~ 550 | 31 ~ 156 | 90.00% | 69,000 | 378 × 30 × 21 |
60 | LUD-060S078DS2 | 546 ~ 780 | 22 ~ 110 | 90.00% | 64,000 | 378 × 30 × 21 |
60 | LUD-060S110DS2 | 770 ~ 1100 | 16 ~ 78 | 90.00% | 60,000 | 378 × 30 × 21 |
60 | LUD-060S150DS2 | 1050 ~ 1500 | 12 ~ 57 | 89.00% | 56,000 | 378 × 30 × 21 |
60 | LUD-060S210DS2 | 1470 ~ 2100 | 8 ~ 40 | 88.00% | 52,000 | 378 × 30 × 21 |

★ : Class 2 Model
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.

### 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
- ETL / UL
- CE
- CB
- FCC

### 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.

### Models and Specifications

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<tr>
<th>Model No.</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Efficiency @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUD-060S055BS2</td>
<td>385 ~ 550</td>
<td>31 ~ 156</td>
<td>90.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LUD-060S078BS2</td>
<td>546 ~ 780</td>
<td>22 ~ 110</td>
<td>90.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LUD-060S110BS2</td>
<td>770 ~ 1100</td>
<td>16 ~ 78</td>
<td>90.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LUD-060S150BS2</td>
<td>1050 ~ 1500</td>
<td>12 ~ 57</td>
<td>90.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LUD-060S210BS2</td>
<td>1470 ~ 2100</td>
<td>0 ~ 40</td>
<td>89.00%</td>
<td></td>
<td></td>
</tr>
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<td>88.00%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- 60°C: Class 2 Model
- 70°C: Class 2 Model

- : 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

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
- CE
- CB
- ETL
- FCC
- RoHS

Dimming Functions
- Isolated 0-10V (DT Models)

Power Levels
42W

About EUM
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.

Safety Certifications
- CE
- VDE
- UL
- FCC
- RoHS

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

Power Levels
1000W

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Channel</th>
<th>Output Power (W)</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L&quot;W&quot;H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUM-1K0T14AMx</td>
<td>1</td>
<td>700</td>
<td>1300 ~ 1450</td>
<td>34 ~ 54</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-1K0T14AMx</td>
<td>2</td>
<td>200</td>
<td>3700 ~ 5500</td>
<td>22 ~ 54</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EUM-1K0T14AMx</td>
<td>3</td>
<td>100</td>
<td>1500 ~ 2100</td>
<td>34 ~ 54</td>
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<tr>
<td>EUM-1K0T14AMx</td>
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<td>1500 ~ 2100</td>
<td>34 ~ 54</td>
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<td></td>
</tr>
</tbody>
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### 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 6kV, CM 10kV
- IP66 and UL Dry & Damp Location
- Class 2 & SELV output Models Available
- UL Class P
- Suitable for Class I Luminaires
- 5-Year Warranty

### 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
- 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.

### Dimming Functions
- 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.

### Power Levels
- 42W

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<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff@ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>LUN-042S105DTST</td>
<td>780 ~ 1000</td>
<td>20 ~ 54</td>
<td>94.50%</td>
<td>10,000</td>
<td>144 × 82 × 48.5</td>
</tr>
<tr>
<td></td>
<td>LUN-042S150DTST</td>
<td>1050 ~ 1500</td>
<td>14 ~ 40</td>
<td>94.50%</td>
<td>10,000</td>
<td>144 × 82 × 48.5</td>
</tr>
</tbody>
</table>

- Class 2 Model

### Inventronics Advantages
- Three independent Output Channels and independent dimming
- Independent dimming and Dim-to-Off ≤ 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: 12Vac, 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-Mode 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.

### Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Channel</th>
<th>Output Power (W)</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff@ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUM-1K0T</td>
<td>1</td>
<td>700 W</td>
<td>13000 ~ 14500</td>
<td>22 ~ 54</td>
<td>94.50%</td>
<td>10,000</td>
<td>144 × 82 × 48.5</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>200 W</td>
<td>3700 ~ 5800</td>
<td>22 ~ 54</td>
<td>94.50%</td>
<td>10,000</td>
<td>144 × 82 × 48.5</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>100 W</td>
<td>1850 ~ 2100</td>
<td>22 ~ 54</td>
<td>94.50%</td>
<td>10,000</td>
<td>144 × 82 × 48.5</td>
</tr>
</tbody>
</table>
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.

**Dimming Functions**
- Isolated 1-10V/PWM/3-Timer-Modes Dimmable

**Safety Certifications**
- ESG ETL Listed, ENEC and CCC, etc. models;
- T are UL Class P models.

**Power Levels**
- 75W 100W 150W 240W 320W
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.

**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/PWM/3-Timer-Modes Dimmable

**Safety Certifications**
- UL, CE, CB, TUV, EAC

**Power Levels**
- 75W 100W 150W 240W 320W
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.

### 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
- CE
- CB
- EAC
- UL
- VDE
- IIAR
- UL Recognized, ENEC and CCC, etc. models; Mx is UL, Class P models.

### 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.

### Table 1: Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Output Power (W)</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 480Vac</th>
<th>E27 @ 70°C</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESM-150S105Mx</td>
<td>150</td>
<td>750 ~ 1500</td>
<td>72 ~ 214</td>
<td>92.00%</td>
<td>100,000</td>
<td>153(138) x 85 x 38.5</td>
</tr>
<tr>
<td>ESM-150S150Mx</td>
<td>150</td>
<td>1050 ~ 1500</td>
<td>94.00%</td>
<td>175(161) x 76.5 x 38.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESM-240S105Mx</td>
<td>240</td>
<td>1500 ~ 2000</td>
<td>115 ~ 343</td>
<td>94.00%</td>
<td>106,000</td>
<td>218(201) x 76.5 x 38.5</td>
</tr>
<tr>
<td>ESM-240S150Mx</td>
<td>240</td>
<td>2050 ~ 2500</td>
<td>135 ~ 420</td>
<td>94.00%</td>
<td>115,000</td>
<td>260(243) x 76.5 x 38.5</td>
</tr>
<tr>
<td>ESM-320S105Mx</td>
<td>320</td>
<td>2550 ~ 3000</td>
<td>155 ~ 453</td>
<td>94.00%</td>
<td>100,000</td>
<td>178(161) x 76.5 x 38.5</td>
</tr>
<tr>
<td>ESM-320S150Mx</td>
<td>320</td>
<td>3050 ~ 3500</td>
<td>175 ~ 500</td>
<td>94.00%</td>
<td>120,000</td>
<td>243(224) x 85 x 44.5</td>
</tr>
<tr>
<td>ESM-680S170Mx/MGS</td>
<td>680</td>
<td>3550 ~ 4000</td>
<td>195 ~ 557</td>
<td>94.00%</td>
<td>100,000</td>
<td>223(201) x 76.5 x 38.5</td>
</tr>
<tr>
<td>ESM-680S240Mx/MGS</td>
<td>680</td>
<td>4050 ~ 4500</td>
<td>215 ~ 613</td>
<td>94.00%</td>
<td>120,000</td>
<td>296(275) x 151 x 46</td>
</tr>
<tr>
<td>ESM-680S350Mx/MGS</td>
<td>680</td>
<td>4550 ~ 5000</td>
<td>235 ~ 669</td>
<td>94.00%</td>
<td>100,000</td>
<td>275(250) x 144 x 48.5</td>
</tr>
<tr>
<td>ESM-680S560Mx/MGS</td>
<td>680</td>
<td>5050 ~ 5500</td>
<td>255 ~ 725</td>
<td>94.00%</td>
<td>120,000</td>
<td>300(275) x 160 x 48.5</td>
</tr>
<tr>
<td>ESM-880S670Mx/MGS</td>
<td>880</td>
<td>5550 ~ 6000</td>
<td>275 ~ 781</td>
<td>94.00%</td>
<td>101,000</td>
<td>295(275) x 140 x 48.5</td>
</tr>
<tr>
<td>ESM-880S840Mx/MGS</td>
<td>880</td>
<td>5950 ~ 6400</td>
<td>295 ~ 837</td>
<td>94.00%</td>
<td>120,000</td>
<td>325(300) x 160 x 49.5</td>
</tr>
</tbody>
</table>

### References
- Inventronics Advantages
- Dimming Functions
- Safety Certifications
- Power Levels

---

**ESM-Mx / MGS**
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

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
- 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
- IVN Digital Dimming, UART Based Communication Protocol
- Dim-to-Off with Low Standby Power

Safety Certifications
- 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

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)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Output Power (W)</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 480Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESM-150S105Mx</td>
<td>150</td>
<td>150 to 1050</td>
<td>72 to 214</td>
<td>93.00%</td>
<td>100,000 (Tc=70°C)</td>
<td>178(161) x 76.5 x 38.5</td>
</tr>
<tr>
<td>ESM-240S150Mx</td>
<td>240</td>
<td>240 to 1500</td>
<td>115 to 343</td>
<td>94.00%</td>
<td>105,000 (Tc=70°C)</td>
<td>218(201) x 85 x 44.5</td>
</tr>
<tr>
<td>ESM-320S250Mx</td>
<td>320</td>
<td>320 to 2500</td>
<td>153 to 457</td>
<td>95.00%</td>
<td>105,000 (Tc=70°C)</td>
<td>243(224) x 85 x 44.5</td>
</tr>
<tr>
<td>ESM-680S700Mx</td>
<td>680</td>
<td>580 to 7000</td>
<td>197 to 6000</td>
<td>94.00%</td>
<td>100,000 (Tc=70°C)</td>
<td>115 ~ 343</td>
</tr>
<tr>
<td>ESM-880S11AMx</td>
<td>880</td>
<td>880 to 11000</td>
<td>314 to 8800</td>
<td>94.00%</td>
<td>101,000 (Tc=70°C)</td>
<td>107 ~ 305</td>
</tr>
<tr>
<td>ESM-1K2S15AMx</td>
<td>1200</td>
<td>1200 to 15000</td>
<td>434 to 12500</td>
<td>94.00%</td>
<td>105,000 (Tc=70°C)</td>
<td>218(201) x 93 x 50</td>
</tr>
<tr>
<td>ESM-1K2S20AMx</td>
<td>1600</td>
<td>1600 to 20000</td>
<td>657 to 16000</td>
<td>94.00%</td>
<td>105,000 (Tc=70°C)</td>
<td>243(224) x 107 x 54</td>
</tr>
</tbody>
</table>

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**Innovating the Lighting Revolution**
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 SKU’s (LG Series).

**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)

**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 ±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**
- 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)

**Power Levels**
- 100W, 150W, 240W, 320W, 680W

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**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 SKU’s (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-lumininaire 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.
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).

**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)

**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 ±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-23-Timer-Modes (Bx Models)

**Safety Certifications**
- UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models

**Power Levels**
100W 150W 240W 320W 680W

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### 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.
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: IOPV, 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

- CB
- CE
- UL
- FCC

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.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Channel</th>
<th>Output Power (W)</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 487Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESM-1K0T14AN</td>
<td>1</td>
<td>1000 W</td>
<td>13000 ~ 14000</td>
<td>24 ~ 54</td>
<td>95.0%</td>
<td>100,000 To=70°C</td>
<td>349(324) × 144 × 48.5</td>
</tr>
<tr>
<td>ESM-1K0T14AN</td>
<td>2</td>
<td>1000 W</td>
<td>7000 ~ 8500</td>
<td>22 ~ 54</td>
<td>95.0%</td>
<td>100,000 To=70°C</td>
<td>349(324) × 144 × 48.5</td>
</tr>
<tr>
<td>ESM-1K0T14AN</td>
<td>3</td>
<td>1000 W</td>
<td>1850 ~ 2100</td>
<td>34 ~ 54</td>
<td>95.0%</td>
<td>100,000 To=70°C</td>
<td>349(324) × 144 × 48.5</td>
</tr>
</tbody>
</table>

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.
ESM-1K0D/1K0T

Common Features
- Three independent Output Channels and independent dimming
- Independent dimming and Dim-to-Off
- Power transfer selectable 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 5-10V/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.
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.

### 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/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
- 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

### Power Levels
- 220W
- 330W
- 440W
- 760W
- 1000W

### Common Features
- Safety Certifications
- Dimensions (L*W*H)(mm)
- Model No.
- Output Power (W)
- Full-power Current Range(mA)
- Output Voltage Range (Vdc)
- Eff. @ 480Vac
- Lifetime (hours)
- Life (hours)

### SSM Models
- SSM-220S530MF/HF
- SSM-330S690MF/HF
- SSM-440S920MF/HF
- SSM-760S15AMG/MT
- SSM-760S15AMGS
- SSM-760S15AMGR
- SSM-1K0S21AMG/MT
- SSM-1K0S21AMGS
- SSM-1K0S21AMGR
- SSM-1K0S840MG/MT
- SSM-1K0S840AMGS
- SSM-1K0S840AMGR

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**SSM-220S530MF/HF**
- Output Power: 220W
- Full-power Current Range: 4100 – 5300mA
- Output Voltage Range: 34 – 54V
- Eff. @ 480Vac: 94.90%
- Lifetime: 100,000 TC=70°C
- Dimensions: 334(290) × 43.5 × 31.5mm

**SSM-330S690MF/HF**
- Output Power: 330W
- Full-power Current Range: 4100 – 5300mA
- Output Voltage Range: 34 – 54V
- Eff. @ 480Vac: 94.90%
- Lifetime: 100,000 TC=70°C
- Dimensions: 416(392) × 43.5 × 31.5mm

**SSM-440S920MF/HF**
- Output Power: 440W
- Full-power Current Range: 6200 – 8300mA
- Output Voltage Range: 34 – 54V
- Eff. @ 480Vac: 94.90%
- Lifetime: 100,000 TC=70°C
- Dimensions: 426(402) × 43.5 × 31.5mm

**SSM-760S15AMG/MT**
- Output Power: 760W
- Full-power Current Range: 14000 – 15800mA
- Output Voltage Range: 34 – 54V
- Eff. @ 480Vac: 95.90%
- Lifetime: 100,000 TC=70°C
- Dimensions: 379(354) × 90 × 48.5mm

**SSM-760S15AMGS**
- Output Power: 760W
- Full-power Current Range: 14000 – 15800mA
- Output Voltage Range: 34 – 54V
- Eff. @ 480Vac: 95.90%
- Lifetime: 100,000 TC=70°C
- Dimensions: 415(390) × 108 × 48.5mm

**SSM-760S15AMGR**
- Output Power: 760W
- Full-power Current Range: 14000 – 15800mA
- Output Voltage Range: 34 – 54V
- Eff. @ 480Vac: 95.90%
- Lifetime: 100,000 TC=70°C
- Dimensions: 414(389) × 90 × 48.5mm

**SSM-1K0S21AMG/MT**
- Output Power: 1000W
- Full-power Current Range: 16500 – 21000mA
- Output Voltage Range: 34 – 54V
- Eff. @ 480Vac: 96.00%
- Lifetime: 100,000 TC=70°C
- Dimensions: 450(425) × 108 × 48.5mm

**SSM-1K0S21AMGS**
- Output Power: 1000W
- Full-power Current Range: 16500 – 21000mA
- Output Voltage Range: 34 – 54V
- Eff. @ 480Vac: 96.00%
- Lifetime: 100,000 TC=70°C
- Dimensions: 414(389) × 108 × 48.5mm

**SSM-1K0S21AMGR**
- Output Power: 1000W
- Full-power Current Range: 16500 – 21000mA
- Output Voltage Range: 34 – 54V
- Eff. @ 480Vac: 96.00%
- Lifetime: 100,000 TC=70°C
- Dimensions: 414(389) × 90 × 48.5mm

**SSM-1K0S840MG/MT**
- Output Power: 1000W
- Full-power Current Range: 4100 – 8400mA
- Output Voltage Range: 44 ~ 149V
- Eff. @ 480Vac: 95.90%
- Lifetime: 100,000 TC=70°C
- Dimensions: 450(425) × 108 × 48.5mm

**SSM-1K0S840AMGS**
- Output Power: 1000W
- Full-power Current Range: 4100 – 8400mA
- Output Voltage Range: 44 ~ 149V
- Eff. @ 480Vac: 95.90%
- Lifetime: 100,000 TC=70°C
- Dimensions: 414(389) × 108 × 48.5mm

**SSM-1K0S840AMGR**
- Output Power: 1000W
- Full-power Current Range: 4100 – 8400mA
- Output Voltage Range: 44 ~ 149V
- Eff. @ 480Vac: 95.90%
- Lifetime: 100,000 TC=70°C
- Dimensions: 414(389) × 90 × 48.5mm

---

**Safety Certifications**
- UL / cUL
- CE ENEC
- CB

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**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

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**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.
### 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 Leakage Current
- cULus 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
- IP65 and UL Dry / Damp / Wet Location
- All-Around Protection: IOVP, ILVP, 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.

### Safety Certifications
- UL, CE, CB

### Power Levels
- 220W, 330W, 440W
- 760W, 1000W

### Dimensions
- 220W: 334(290) × 43.5 × 31.5
- 330W: 416(392) × 43.5 × 31.5
- 440W: 426(402) × 43.5 × 31.5
- 760W: 379(354) × 90 × 48.5
- 1000W: 415(390) × 108 × 48.5

### Model No.
- SSM-220S530MF/HF
- SSM-330S690MF/HF
- SSM-440S920MF/HF
- SSM-760S15AMG/MT
- SSM-1K0S21AMG/MT
- SSM-1K0S840MG/MT

### Output Power (W)
- 220W: 220
- 330W: 330
- 440W: 440
- 760W: 760
- 1000W: 1000

### Full Power Current Range (mA)
- 220W: 4100 ~ 5300
- 330W: 6100 ~ 6900
- 440W: 8200 ~ 9200
- 760W: 14000 ~ 15800
- 1000W: 18500 ~ 21000

### Output Voltage Range (Vdc)
- 220W: 34 ~ 54
- 330W: 34 ~ 54
- 440W: 34 ~ 54
- 760W: 34 ~ 54
- 1000W: 34 ~ 54

### Efficiency @ 480Vac
- 220W: 94.50%
- 330W: 94.50%
- 440W: 94.50%
- 760W: 95.00%
- 1000W: 96.00%

### Lifetime (hours)
- 220W: 100,000 TC=70°C
- 330W: 100,000 TC=70°C
- 440W: 100,000 TC=70°C
- 760W: 100,000 TC=70°C
- 1000W: 100,000 TC=70°C

### Common Features
- High Efficiency (Up to 96.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programability
- 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

### Driving the Lighting Revolution
LED Drives CP Slim High Input Voltage
### 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 ≤ 1.5W**

### Safety Certifications
- [UL], [CE], [CB], [FCC], [CEC], [EEC], [Global Mark]

### 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.

### ESD Models and Specifications
<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 480Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td>ESD-096S090DT</td>
<td>450 ~ 900</td>
<td>84 ~ 214</td>
<td>90.50%</td>
<td>106,000</td>
<td>238(212) x 87.5 x 36.5</td>
</tr>
<tr>
<td></td>
<td>ESD-096S180DT</td>
<td>900 ~ 1800</td>
<td>32 ~ 107</td>
<td>90.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESD-096S360DT</td>
<td>1800 ~ 3600</td>
<td>15 ~ 53</td>
<td>90.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>ESD-150S090DT</td>
<td>700 ~ 1800</td>
<td>75 ~ 214</td>
<td>94.50%</td>
<td>99,000</td>
<td>242(221) x 87.5 x 36.5</td>
</tr>
<tr>
<td></td>
<td>ESD-150S180DT</td>
<td>1400 ~ 3600</td>
<td>38 ~ 107</td>
<td>94.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESD-150S360DT</td>
<td>2450 ~ 3600</td>
<td>22 ~ 61</td>
<td>93.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>240</td>
<td>ESD-240S090DT</td>
<td>700 ~ 1800</td>
<td>120 ~ 343</td>
<td>94.00%</td>
<td>114,000</td>
<td>262(241) x 87.5 x 36.5</td>
</tr>
<tr>
<td></td>
<td>ESD-240S180DT</td>
<td>1050 ~ 3600</td>
<td>80 ~ 220</td>
<td>93.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESD-240S360DT</td>
<td>1540 ~ 3600</td>
<td>55 ~ 150</td>
<td>93.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>320</td>
<td>ESD-320S090DT</td>
<td>700 ~ 1800</td>
<td>120 ~ 343</td>
<td>94.00%</td>
<td>120,000</td>
<td>301(234) x 96 x 44.8</td>
</tr>
<tr>
<td></td>
<td>ESD-320S180DT</td>
<td>1540 ~ 3600</td>
<td>73 ~ 206</td>
<td>94.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESD-320S360DT</td>
<td>2450 ~ 3600</td>
<td>52 ~ 146</td>
<td>93.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>480</td>
<td>ESD-480S090DT</td>
<td>1050 ~ 1400</td>
<td>171 ~ 457</td>
<td>93.00%</td>
<td>102,000</td>
<td>262(235) x 125 x 43.5</td>
</tr>
<tr>
<td></td>
<td>ESD-480S180DT</td>
<td>2100 ~ 2600</td>
<td>86 ~ 220</td>
<td>94.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESD-480S360DT</td>
<td>3150 ~ 4000</td>
<td>57 ~ 152</td>
<td>94.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>600</td>
<td>ESD-600S090DT</td>
<td>1050 ~ 1400</td>
<td>171 ~ 457</td>
<td>93.00%</td>
<td>101,000</td>
<td>276(250) x 144 x 46.5</td>
</tr>
<tr>
<td></td>
<td>ESD-600S180DT</td>
<td>2100 ~ 2600</td>
<td>86 ~ 220</td>
<td>94.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESD-600S360DT</td>
<td>3150 ~ 4000</td>
<td>57 ~ 152</td>
<td>94.00%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Class 2 Model*
# ESD

## 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.

## 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 ≤ 1.5W

## Safety Certifications

![Certifications](image)

## Power Levels

<table>
<thead>
<tr>
<th>96W</th>
<th>150W</th>
<th>240W</th>
<th>320W</th>
<th>480W</th>
<th>600W</th>
</tr>
</thead>
<tbody>
<tr>
<td>450 ~ 900</td>
<td>84 ~ 214</td>
<td>95.00%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>900 ~ 1800</td>
<td>32 ~ 107</td>
<td>90.50%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1800 ~ 3600</td>
<td>15 ~ 53</td>
<td>89.50%</td>
<td></td>
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</tbody>
</table>

## ESD Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 480Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESD-096S090DT</td>
<td>450 ~ 900</td>
<td>84 ~ 214</td>
<td>95.00%</td>
<td>106,000</td>
<td>90.50%</td>
</tr>
<tr>
<td>ESD-096S180DT</td>
<td>900 ~ 1800</td>
<td>32 ~ 107</td>
<td>90.50%</td>
<td>114,000</td>
<td>95.00%</td>
</tr>
<tr>
<td>ESD-096S360DT</td>
<td>1800 ~ 3600</td>
<td>15 ~ 53</td>
<td>89.50%</td>
<td>120,000</td>
<td>95.00%</td>
</tr>
<tr>
<td>ESD-150S105DT</td>
<td>1050 ~ 1500</td>
<td>80 ~ 230</td>
<td>93.50%</td>
<td>102,000</td>
<td>95.00%</td>
</tr>
<tr>
<td>ESD-150S210DT</td>
<td>1540 ~ 2200</td>
<td>55 ~ 150</td>
<td>93.00%</td>
<td>101,000</td>
<td>94.50%</td>
</tr>
<tr>
<td>ESD-150S350DT</td>
<td>2440 ~ 3200</td>
<td>38 ~ 107</td>
<td>93.00%</td>
<td>262(235)</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-150S560DT</td>
<td>3220 ~ 4600</td>
<td>27 ~ 75</td>
<td>93.00%</td>
<td>262(235)</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-240S100DT</td>
<td>700 ~ 1000</td>
<td>120 ~ 343</td>
<td>94.00%</td>
<td>99,000</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-240S150DT</td>
<td>1050 ~ 1500</td>
<td>80 ~ 230</td>
<td>93.50%</td>
<td>102,000</td>
<td>95.00%</td>
</tr>
<tr>
<td>ESD-240S220DT</td>
<td>1540 ~ 2200</td>
<td>55 ~ 150</td>
<td>93.00%</td>
<td>101,000</td>
<td>94.50%</td>
</tr>
<tr>
<td>ESD-240S320DT</td>
<td>2240 ~ 3200</td>
<td>38 ~ 107</td>
<td>93.00%</td>
<td>262(235)</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-240S460DT</td>
<td>3220 ~ 4600</td>
<td>27 ~ 75</td>
<td>93.00%</td>
<td>262(235)</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-240S660DT</td>
<td>4620 ~ 6600</td>
<td>10 ~ 52</td>
<td>92.50%</td>
<td>750 ~ 10000</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-320S150DT</td>
<td>1050 ~ 1500</td>
<td>80 ~ 230</td>
<td>93.50%</td>
<td>102,000</td>
<td>95.00%</td>
</tr>
<tr>
<td>ESD-320S220DT</td>
<td>1540 ~ 2200</td>
<td>55 ~ 150</td>
<td>93.00%</td>
<td>101,000</td>
<td>94.50%</td>
</tr>
<tr>
<td>ESD-320S310DT</td>
<td>2170 ~ 3100</td>
<td>52 ~ 148</td>
<td>93.00%</td>
<td>262(235)</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-320S440DT</td>
<td>3080 ~ 4400</td>
<td>37 ~ 104</td>
<td>94.00%</td>
<td>7360 ~ 10900</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-320S620DT</td>
<td>4340 ~ 6200</td>
<td>26 ~ 74</td>
<td>93.50%</td>
<td>262(235)</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-320S740DT</td>
<td>5440 ~ 7400</td>
<td>34 ~ 110</td>
<td>93.50%</td>
<td>262(235)</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-320S980DT</td>
<td>7840 ~ 9800</td>
<td>31 ~ 76</td>
<td>94.00%</td>
<td>262(235)</td>
<td>94.00%</td>
</tr>
<tr>
<td>ESD-600S12ADT</td>
<td>10000 ~ 12500</td>
<td>24 ~ 60</td>
<td>94.00%</td>
<td>262(235)</td>
<td>94.00%</td>
</tr>
</tbody>
</table>
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.

### 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

#### About ESV

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Output Current Range (A)</th>
<th>Output Voltage (Vdc)</th>
<th>Eff. @ 480Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>320</td>
<td>ESV-320S024STSV</td>
<td>0 – 12.40</td>
<td>24</td>
<td>92.50%</td>
<td>50,000</td>
<td>Tc= 70°C</td>
</tr>
<tr>
<td></td>
<td>ESV-320S036STSV</td>
<td>0 – 8.60</td>
<td>36</td>
<td>92.50%</td>
<td>50,000</td>
<td>Tc= 70°C</td>
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<tr>
<td></td>
<td>ESV-320S048STSV</td>
<td>0 – 5.70</td>
<td>48</td>
<td>93.00%</td>
<td>50,000</td>
<td>Tc= 70°C</td>
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<tr>
<td></td>
<td>ESV-320S054STSV</td>
<td>0 – 6.00</td>
<td>54</td>
<td>93.00%</td>
<td>50,000</td>
<td>Tc= 70°C</td>
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<tr>
<td>600</td>
<td>ESV-600S048STSV</td>
<td>0 – 12.50</td>
<td>48</td>
<td>93.00%</td>
<td>117,000</td>
<td>Tc= 70°C</td>
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<tr>
<td></td>
<td>ESV-600S054STSV</td>
<td>0 – 11.20</td>
<td>54</td>
<td>93.00%</td>
<td>117,000</td>
<td>Tc= 70°C</td>
</tr>
</tbody>
</table>

#### LED Drivers CV High Input Voltage

Drives the Lighting Revolution
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.

### ESV 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

### About ESV
- **Safety Certifications**
- **Power Levels**
  - 320W
  - 600W

### Power Levels

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Output Current Range (A)</th>
<th>Output Voltage (Vdc)</th>
<th>Eff. @ 480Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>320</td>
<td>ESV-320S024ST/SV</td>
<td>0 ~ 13.40</td>
<td>24</td>
<td>92.50%</td>
<td>50,000</td>
<td>251/224 × 98 × 44.8</td>
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<tr>
<td></td>
<td>ESV-320S036ST/SV</td>
<td>0 ~ 9.60</td>
<td>36</td>
<td>92.50%</td>
<td>50,000</td>
<td>251/224 × 98 × 44.8</td>
</tr>
<tr>
<td></td>
<td>ESV-320S048ST/SV</td>
<td>0 ~ 6.70</td>
<td>48</td>
<td>92.06%</td>
<td>50,000</td>
<td>251/224 × 98 × 44.8</td>
</tr>
<tr>
<td></td>
<td>ESV-320S054ST/SV</td>
<td>0 ~ 6.20</td>
<td>54</td>
<td>92.06%</td>
<td>50,000</td>
<td>251/224 × 98 × 44.8</td>
</tr>
<tr>
<td>600</td>
<td>ESV-600S024ST/SV</td>
<td>0 ~ 12.50</td>
<td>46</td>
<td>92.06%</td>
<td>117,000</td>
<td>276/230 × 144 × 46.8</td>
</tr>
<tr>
<td></td>
<td>ESV-600S036ST/SV</td>
<td>0 ~ 9.80</td>
<td>36</td>
<td>92.06%</td>
<td>117,000</td>
<td>276/230 × 144 × 46.8</td>
</tr>
<tr>
<td></td>
<td>ESV-600S048ST/SV</td>
<td>0 ~ 9.20</td>
<td>48</td>
<td>92.06%</td>
<td>117,000</td>
<td>276/230 × 144 × 46.8</td>
</tr>
<tr>
<td></td>
<td>ESV-600S054ST/SV</td>
<td>0 ~ 9.20</td>
<td>54</td>
<td>92.06%</td>
<td>117,000</td>
<td>276/230 × 144 × 46.8</td>
</tr>
</tbody>
</table>
Common Features
- High Efficiency (Up to 94.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (ASC) 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 ±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
- Cable Clamp for Independent Applications
- END-CAP02

### 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 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.

**EBS-DT2**
- The EBS DT2 family are the new generation of Class III 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.
**Safety Certifications**

- CE
- CB
- C-tick
- FCC
- UL
- ETL
- SAA

**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
- Adjustable Output Current (AOC) with NFC
- Peak Power up to 10W
- Always-on Auxiliary Power: 24Vdc, 125mA, 3W (Transient)
- Integrated Power Monitoring with High Accuracy up to ±1%
- Integrated 16Vdc Bus Power Supply based on DALI-2
- All-Around Protection: OVP, SCP, OTP
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- End-of-Life Indicator

**Power Levels**

- 25W
- 40W
- 80W
- 120W
- 165W

**Accessories**

- END-CAP02

**About EBS**

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**EBS-BT2 Version Features**

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- Always-on Auxiliary Power: 24Vdc, 125mA, 3W (Transient)
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**Accessories**

- END-CAP02

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**Accessories**

- END-CAP02

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- Peak Power up to 10W
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**Accessories**

- END-CAP02
### 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

### 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

### 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

[CE], [CB], [UL], [ETL], [EAC]

### Power Levels

1200W

### 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.

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200</td>
<td>EBM-1K2S260Dx/Mx</td>
<td>2600 - 3500</td>
<td>171 - 462</td>
<td>95.50%</td>
<td>100,000</td>
<td>310(285) × 141 × 48.5</td>
</tr>
<tr>
<td></td>
<td>EBM-1K2S395Dx/Mx</td>
<td>3950 - 5250</td>
<td>114 - 334</td>
<td>95.00%</td>
<td>100,000</td>
<td>310(285) × 141 × 48.5</td>
</tr>
<tr>
<td></td>
<td>EBM-1K2S555Dx/Mx</td>
<td>5550 - 7400</td>
<td>81 - 217</td>
<td>95.00%</td>
<td>100,000</td>
<td>310(285) × 141 × 48.5</td>
</tr>
<tr>
<td></td>
<td>EBM-1K2S740Dx/Mx</td>
<td>7400 - 9200</td>
<td>51 - 142</td>
<td>95.00%</td>
<td>100,000</td>
<td>310(285) × 141 × 48.5</td>
</tr>
</tbody>
</table>

X-G are UL Recognized, ENEC and CCC, etc. models.
### 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

### 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

### 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

- CE
- CB
- C-Tick
- EAC

### Power Levels

1200W

---

### 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.

---

### Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Full-power Current Range (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L<em>W</em>H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBM-1K2S350Dx/Mx</td>
<td>2600 ~ 3500</td>
<td>171 ~ 462</td>
<td>95.50%</td>
<td>100,000 T=+70°C</td>
<td>310(285) × 141 × 48.5</td>
</tr>
<tr>
<td>EBM-1K2S525Dx/Mx</td>
<td>3950 ~ 5250</td>
<td>114 ~ 344</td>
<td>95.50%</td>
<td>100,000 T=+70°C</td>
<td>310(285) × 141 × 48.5</td>
</tr>
<tr>
<td>EBM-1K2S740Dx/Mx</td>
<td>5550 ~ 7400</td>
<td>81 ~ 217</td>
<td>95.00%</td>
<td>95.00%</td>
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</tr>
</tbody>
</table>

x=G are UL Recognized, ENEC and CCC, etc. models.
**LED Drivers  CV Narrow Input**

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.

### Model No. | Output Power (W) | Output Voltage (Vdc) | Lifetime (hours) | Dimensions (L*W*H)(mm)
--- | --- | --- | --- | ---
EBV-060S012SV | 60 | 12 | 94,000 Tc= 70°C | 116(95) × 70 × 36.5
EBV-060S024SV | 60 | 24 | 86.50% | 116(95) × 70 × 36.5
EBV-060S036SV | 60 | 36 | 89.00% | 116(95) × 70 × 36.5
EBV-060S048SV | 60 | 48 | 90.50% | 116(95) × 70 × 36.5
EBV-075S024SV | 75 | 24 | 86.50% | 116(95) × 70 × 36.5
EBV-075S036SV | 75 | 36 | 89.00% | 116(95) × 70 × 36.5
EBV-075S048SV | 75 | 48 | 90.50% | 116(95) × 70 × 36.5
EBV-100S012SV | 100 | 12 | 85.50% | 116(95) × 70 × 36.5
EBV-100S024SV | 100 | 24 | 90.00% | 116(95) × 70 × 36.5
EBV-100S036SV | 100 | 36 | 91.50% | 116(95) × 70 × 36.5
EBV-100S048SV | 100 | 48 | 92.00% | 116(95) × 70 × 36.5
EBV-150S012SV | 150 | 12 | 85.50% | 116(95) × 70 × 36.5
EBV-150S024SV | 150 | 24 | 90.00% | 116(95) × 70 × 36.5
EBV-150S036SV | 150 | 36 | 91.50% | 116(95) × 70 × 36.5
EBV-150S048SV | 150 | 48 | 92.00% | 116(95) × 70 × 36.5
EBV-200S012SV | 200 | 12 | 85.50% | 116(95) × 70 × 36.5
EBV-200S024SV | 200 | 24 | 90.00% | 116(95) × 70 × 36.5
EBV-200S036SV | 200 | 36 | 91.50% | 116(95) × 70 × 36.5
EBV-200S048SV | 200 | 48 | 92.00% | 116(95) × 70 × 36.5
EBV-250S012SV | 250 | 12 | 85.50% | 116(95) × 70 × 36.5
EBV-250S024SV | 250 | 24 | 90.00% | 116(95) × 70 × 36.5
EBV-250S036SV | 250 | 36 | 91.50% | 116(95) × 70 × 36.5
EBV-250S048SV | 250 | 48 | 92.00% | 116(95) × 70 × 36.5
EBV-350S012SV | 350 | 12 | 85.50% | 116(95) × 70 × 36.5
EBV-350S024SV | 350 | 24 | 90.00% | 116(95) × 70 × 36.5
EBV-350S036SV | 350 | 36 | 91.50% | 116(95) × 70 × 36.5
EBV-350S048SV | 350 | 48 | 92.00% | 116(95) × 70 × 36.5
EBV-500S024ST/SV | 500 | 24 | 85.50% | 116(95) × 70 × 36.5
EBV-500S028ST/SV | 500 | 28 | 90.00% | 116(95) × 70 × 36.5
EBV-500S036ST/SV | 500 | 36 | 91.50% | 116(95) × 70 × 36.5
EBV-500S042ST/SV | 500 | 42 | 92.00% | 116(95) × 70 × 36.5
EBV-500S048ST/SV | 500 | 48 | 92.00% | 116(95) × 70 × 36.5

**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**
- CE
- CB
- UL
- ETL
- FCC
- C-Tick
- BIS
- RCM
- NEMKO
- SABS
- SAA
- TUV
- VDE
- UL
- Agency

**Power Levels**
- 60W 75W 100W 150W 200W 250W 350W 400W 500W

**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

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- 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

**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

**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

**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

**SELV Output**
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- 5-Year Warranty

**TYPE HL**
- for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

**5-Year Warranty**
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- 5-Year Warranty

---

**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.
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- 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

---

### Inventronics Advantages

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- Constant-Voltage Output
- Input Voltage Range: 176 ~ 305Vac
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- All-Around Protection: OVP, SCP, OTP, OCP
- IP67 and UL Dry / Damp / Wet Location
- ISELV 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

---

### EBV

*LED Drivers CV Narrow Input*

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### Output Power (W) Model No. Output Current Range (A) Output Voltage (Volts) Eff. @ 220Vac Lifetime (hours) Dimensions (L"W"H)(mm)

<table>
<thead>
<tr>
<th>Output Power</th>
<th>Model No.</th>
<th>Output Current Range (A)</th>
<th>Output Voltage (Volts)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L&quot;W&quot;H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>EBV-060S012SV</td>
<td>0 ~ 5.00</td>
<td>12</td>
<td>90.50%</td>
<td>94,000 T= 70°C</td>
<td>116(95) × 67.5 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EBV-060S024SV</td>
<td>0 ~ 7.50</td>
<td>24</td>
<td>90.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-060S036SV</td>
<td>0 ~ 10.00</td>
<td>36</td>
<td>90.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-060S048SV</td>
<td>0 ~ 12.50</td>
<td>48</td>
<td>90.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>EBV-075S012SV</td>
<td>0 ~ 2.00</td>
<td>12</td>
<td>90.50%</td>
<td>97,000 T= 70°C</td>
<td>116(95) × 67.5 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EBV-075S036SV</td>
<td>0 ~ 5.00</td>
<td>36</td>
<td>90.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-075S048SV</td>
<td>0 ~ 6.50</td>
<td>48</td>
<td>90.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>EBV-100S012SV</td>
<td>0 ~ 8.00</td>
<td>12</td>
<td>85.50%</td>
<td>85,000 T= 70°C</td>
<td>190(154) × 67.5 × 36.5</td>
</tr>
<tr>
<td></td>
<td>EBV-100S024SV</td>
<td>0 ~ 16.00</td>
<td>24</td>
<td>90.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-100S036SV</td>
<td>0 ~ 24.00</td>
<td>36</td>
<td>90.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-100S048SV</td>
<td>0 ~ 32.00</td>
<td>48</td>
<td>90.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>EBV-150S012SV</td>
<td>0 ~ 10.00</td>
<td>12</td>
<td>85.50%</td>
<td>83,000 T= 70°C</td>
<td>190(154) × 67.5 × 38.7</td>
</tr>
<tr>
<td></td>
<td>EBV-150S024SV</td>
<td>0 ~ 30.00</td>
<td>24</td>
<td>90.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-150S036SV</td>
<td>0 ~ 48.00</td>
<td>36</td>
<td>90.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-150S048SV</td>
<td>0 ~ 60.00</td>
<td>48</td>
<td>90.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>EBV-200S012SV</td>
<td>0 ~ 16.00</td>
<td>12</td>
<td>90.50%</td>
<td>106,000 T= 70°C</td>
<td>190(154) × 67.5 × 38.7</td>
</tr>
<tr>
<td></td>
<td>EBV-200S024SV</td>
<td>0 ~ 32.00</td>
<td>24</td>
<td>90.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-200S036SV</td>
<td>0 ~ 48.00</td>
<td>36</td>
<td>90.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-200S048SV</td>
<td>0 ~ 64.00</td>
<td>48</td>
<td>90.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>EBV-250S012SV</td>
<td>0 ~ 20.00</td>
<td>12</td>
<td>91.50%</td>
<td>96,000 T= 70°C</td>
<td>190(154) × 67.5 × 38.7</td>
</tr>
<tr>
<td></td>
<td>EBV-250S024SV</td>
<td>0 ~ 40.00</td>
<td>24</td>
<td>93.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-250S036SV</td>
<td>0 ~ 60.00</td>
<td>36</td>
<td>92.50%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-250S048SV</td>
<td>0 ~ 80.00</td>
<td>48</td>
<td>93.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>EBV-300S012SV</td>
<td>0 ~ 25.00</td>
<td>12</td>
<td>91.50%</td>
<td>114,000 T= 70°C</td>
<td>207(168) × 82 × 42</td>
</tr>
<tr>
<td></td>
<td>EBV-300S024SV</td>
<td>0 ~ 50.00</td>
<td>24</td>
<td>93.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-300S036SV</td>
<td>0 ~ 75.00</td>
<td>36</td>
<td>93.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-300S048SV</td>
<td>0 ~ 100.00</td>
<td>48</td>
<td>93.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>EBV-350S012SV</td>
<td>0 ~ 30.00</td>
<td>12</td>
<td>91.50%</td>
<td>117,000 T= 60°C</td>
<td>209(169) × 108 × 45.5</td>
</tr>
<tr>
<td></td>
<td>EBV-350S024SV</td>
<td>0 ~ 60.00</td>
<td>24</td>
<td>93.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-350S036SV</td>
<td>0 ~ 90.00</td>
<td>36</td>
<td>94.00%</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EBV-350S048SV</td>
<td>0 ~ 120.00</td>
<td>48</td>
<td>94.00%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**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**
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.

**About EBV-F**

**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

**Safety Certifications**

**Power Levels**

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Output Current Range (A)</th>
<th>Output Voltage Range (Vac)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L&quot;W&quot;H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>EBV036S024SVF</td>
<td>0 ~ 1.30</td>
<td>24</td>
<td>86.00%</td>
<td>104,000 Tc= 75°C</td>
<td>155(134) × 40 × 253</td>
</tr>
<tr>
<td>48</td>
<td>EBV048S024SVF</td>
<td>0 ~ 2.00</td>
<td>24</td>
<td>85.00%</td>
<td>104,000 Tc= 75°C</td>
<td>155(134) × 40 × 253</td>
</tr>
<tr>
<td>60</td>
<td>EBV060S024SVF</td>
<td>0 ~ 2.00</td>
<td>24</td>
<td>85.00%</td>
<td>99,000 Tc= 75°C</td>
<td>155(164) × 40 × 36</td>
</tr>
<tr>
<td>72</td>
<td>EBV072S024SVF</td>
<td>0 ~ 3.00</td>
<td>24</td>
<td>88.50%</td>
<td>99,000 Tc= 75°C</td>
<td>155(164) × 40 × 36</td>
</tr>
</tbody>
</table>

---

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.

**About EDC**

**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

**Safety Certifications**

**Power Levels**

<table>
<thead>
<tr>
<th>Output Power (W)</th>
<th>Model No.</th>
<th>Output Current (mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff. @ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L&quot;W&quot;H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>EDC-075S105ST/SV-0007</td>
<td>700</td>
<td>54 ~ 107</td>
<td>90.50%</td>
<td>101,000 Tc=75°C</td>
<td>131(114) × 64 × 32</td>
</tr>
<tr>
<td>100</td>
<td>EDC-100S105ST/SV-0007</td>
<td>700</td>
<td>71 ~ 143</td>
<td>91.00%</td>
<td>96,000 Tc=70°C</td>
<td>166(145) × 67.5 × 36.5</td>
</tr>
<tr>
<td>150</td>
<td>EDC-150S105ST/SV-0007</td>
<td>700</td>
<td>71 ~ 143</td>
<td>92.00%</td>
<td>97,000 Tc=70°C</td>
<td>187(166) × 67.5 × 39.7</td>
</tr>
</tbody>
</table>

---

- **EBV-F**
- **EDC**
**LED Drivers CV Linear Narrow Input**

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.

**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

**Power Levels**
- 36W
- 48W
- 60W
- 72W

**Model No.** | **Output Power (W)** | **Output Voltage Range (Vdc)** | **Output Current Range (A)** | **Eff. @ 220Vac (%)** | **Lifetime (hours)** | **Dimensions (L*W*H)(mm)**
---|---|---|---|---|---|---
EBV-036S024SVF | 36 | 0 ~ 1.50 | 24 | 88.00% | 150,000 | 155(134) × 40 × 25
EBV-036S036SVF | 36 | 0 ~ 1.50 | 36 | 88.50% | 150,000 | 155(134) × 40 × 25
EBV-036S048SVF | 36 | 0 ~ 1.50 | 48 | 87.00% | 150,000 | 155(134) × 40 × 25
EBV-048S024SVF | 48 | 0 ~ 1.50 | 24 | 88.50% | 150,000 | 155(134) × 40 × 25
EBV-048S036SVF | 48 | 0 ~ 1.50 | 36 | 88.00% | 150,000 | 155(134) × 40 × 25
EBV-048S048SVF | 48 | 0 ~ 1.50 | 48 | 87.00% | 150,000 | 155(134) × 40 × 25

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**CC 440Vac IOVP LED Drivers**

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.

**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

**Power Levels**
- 75W
- 100W
- 150W

**Model No.** | **Output Power (W)** | **Output Voltage Range (Vdc)** | **Output Current Range (mA)** | **Eff. @ 220Vac (%)** | **Lifetime (hours)** | **Dimensions (L*W*H)(mm)**
---|---|---|---|---|---|---
EDC-075S105ST/SV-0007 | 75 | 0 ~ 1.50 | 24 | 88.00% | 101,000 | 131(114) × 64 × 32
EDC-075S105ST/SV-0004 | 75 | 0 ~ 1.50 | 36 | 88.00% | 101,000 | 131(114) × 64 × 32
EDC-075S105ST/SV-0003 | 75 | 0 ~ 1.50 | 48 | 87.00% | 101,000 | 131(114) × 64 × 32
EDC-100S105ST/SV-0007 | 100 | 0 ~ 2.00 | 24 | 88.00% | 101,000 | 166(145) × 67.5 × 36.5
EDC-100S105ST/SV-0004 | 100 | 0 ~ 2.00 | 36 | 88.00% | 101,000 | 166(145) × 67.5 × 36.5
EDC-100S105ST/SV-0003 | 100 | 0 ~ 2.00 | 48 | 87.00% | 101,000 | 166(145) × 67.5 × 36.5
EDC-150S105ST/SV-0007 | 150 | 0 ~ 2.50 | 24 | 88.00% | 101,000 | 187(166) × 67.5 × 39.5
EDC-150S105ST/SV-0004 | 150 | 0 ~ 2.50 | 36 | 88.00% | 101,000 | 187(166) × 67.5 × 39.5
EDC-150S105ST/SV-0003 | 150 | 0 ~ 2.50 | 48 | 87.00% | 101,000 | 187(166) × 67.5 × 39.5
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.

About LMT
- 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: 196 ~ 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

Safety Certifications
- CE
- CB
- RoHS

Power Levels
- 80W
- 160W

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff.@ 220Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L&quot;W&quot;H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LMT-080S050STF</td>
<td>350 ~ 500</td>
<td>96 ~ 229</td>
<td>94.00%</td>
<td>80,000</td>
<td>280 × 30 × 21</td>
</tr>
<tr>
<td>LMT-080S070STF</td>
<td>500 ~ 700</td>
<td>68 ~ 190</td>
<td>94.00%</td>
<td>90,000 To=70°C</td>
<td>300 × 30 × 21</td>
</tr>
<tr>
<td>LMT-080S105STF</td>
<td>700 ~ 1050</td>
<td>45 ~ 114</td>
<td>93.00%</td>
<td>100,000</td>
<td>300 × 30 × 21</td>
</tr>
</tbody>
</table>

Inventronics LNT 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 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.

About LNT
- 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

Safety Certifications
- CE
- CB
- RoHS

Power Levels
- 350W

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Full-power Current Range(mA)</th>
<th>Output Voltage Range (Vdc)</th>
<th>Eff.@ 400Vac</th>
<th>Lifetime (hours)</th>
<th>Dimensions (L&quot;W&quot;H)(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LNT-350S150STF</td>
<td>1050 ~ 1500</td>
<td>140 ~ 323</td>
<td>96.50%</td>
<td>123,000 To=70°C</td>
<td>425 × 40 × 30</td>
</tr>
</tbody>
</table>
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

Safety Certifications

- CE
- CB
- UL

Inventronics LMT 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 LMT 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.

About LMT

Inventronics LMT 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 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.

Model No. | Output Power (W) | Full-power Current Range (mA) | Output Voltage Range (Vdc) | Eff. @ 220Vac | Lifetime (hours) | Dimensions (L*W*H)(mm)
--- | --- | --- | --- | --- | --- | ---
LMT-080S050STF | 80 | 96 ~ 229 | 94.00% | 280 × 30 × 21
LMT-080S070STF | 90 | 68 ~ 180 | 94.00% | 280 × 30 × 21
LMT-080S105STF | 105 | 45 ~ 114 | 93.00% | 280 × 30 × 21

80W  160W

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

Safety Certifications

- CE
- CB
- UL

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.

Model No. | Output Power (W) | Full-power Current Range (mA) | Output Voltage Range (Vdc) | Eff. @ 400Vac | Lifetime (hours) | Dimensions (L*W*H)(mm)
--- | --- | --- | --- | --- | --- | ---
LNT-350S150STF | 350 | 137 ~ 320 | 94.50% | 109,000 Tc= 70°C | 425 × 40 × 30
LNT-350S200STF | 400 | 91 ~ 229 | 95.00% | 109,000 Tc= 70°C | 425 × 40 × 30
LNT-350S250STF | 450 | 64 ~ 153 | 94.50% | 109,000 Tc= 70°C | 425 × 40 × 30

350W

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

Model No. | Output Power (W) | Full-power Current Range (mA) | Output Voltage Range (Vdc) | Eff. @ 220Vac | Lifetime (hours) | Dimensions (L*W*H)(mm)
--- | --- | --- | --- | --- | --- | ---
LMT-080S050STF | 80 | 96 ~ 229 | 94.00% | 280 × 30 × 21
LMT-080S070STF | 90 | 68 ~ 180 | 94.00% | 280 × 30 × 21
LMT-080S105STF | 105 | 45 ~ 114 | 93.00% | 280 × 30 × 21

80W  160W
**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

**Programming Tools**

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

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

**PRG-MUL2**
- Programmer for All Inventronics DALI and 0-10v Programmable Drivers
- Offline Programming Capability
- Automatic Programming Mode

**PRG-CASE2**
- 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

**Synapse Networks Integrating Wireless Control**

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

**Features**

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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

Programming Tools
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Compatible with Inventronics LED Drivers
90-305 Vac Working Input Voltage
DM, CM Surge Protection Mode
Maximum Discharge Current (I_{max}) 20kA, 8/20μs
Nominal Discharge Current (I_{N}) 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-20Kx10KHT
Features
- Compatible with Inventronics LED Drivers
- 90-305 Vac Working Input Voltage
- DM, CM Surge Protection Mode
- Maximum Discharge Current (I_{max}) 20kA, 8/20μs
- Nominal Discharge Current (I_{N}) 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 (I_{max}) 20kA, 8/20μs
- Nominal Discharge Current (I_{N}) 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 Exposure
- 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

Surge Protection Devices

PU-20KS10KHT

PS-20KS10KHT

PU-20Kx10KTxx

PU-10Kx05KBxA