EUM-880SxxxMx

Rev.C

880W Programmable Driver with INV Digital Dimming

#### **Features**

- Ultra High Efficiency (Up to 96%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Isolated 0-10V/PWM/3-Timer-Modes Dimmable
- Adjustable Dimming Curve
- INV Digital Dimming, UART Based Communication Protocol
- Dim-to-Off with Standby Power ≤ 0.5W
- Minimum Dimming Level with 5% or 10% Selectable
- Hold Time Adjustable
- 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
- IP66/IP67 and UL Dry/Damp/Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5 Years Warranty





## **Description**

The *EUM-880SxxxMx* series is an 880W, constant-current, programmable and IP66/IP67 rated LED driver that operates from 90-305 Vac input with excellent power factor. Created for many lighting applications including high mast, sports, UV-LED, aquaculture and horticulture, it provides a dim-to-off mode with low standby power. The high efficiency of these drivers and compact metal case enables them to run cooler, significantly improving reliability and extending product life. To ensure trouble-free operation, protection is provided against input surge, output over voltage, short circuit, and over temperature.

#### **Models**

Adjustable Output	Full-Power Current	Default Output	Output Voltage	Max. Output	Typical Efficiency		ical Factor	Model Number
Current Range (A)	Range (A) <sup>(1)</sup>	Current (A)	Range (Vdc)	Power (W)	(2)	120Vac	220Vac	(3) (4)
0.195-2.8	1.95-2.8	2.1	157-452	880	95.0%	0.99	0.96	EUM-880S280Mx
0.300-4.2	3.0-4.2	4.2	104-294	880	95.5%	0.99	0.96	EUM-880S420Mx
0.490-7.0	4.9-7.0	5.6	63.0-180	880	96.0%	0.99	0.96	EUM-880S700Mx
0.800-11.5	8.0-11.5	8.4	38.0-110	880	95.5%	0.99	0.96	EUM-880S11AMx <sup>(5)</sup>
1.630-20.0	16.3-20.0	20.0	22.0-54	880	95.5%	0.99	0.96	EUM-880S20AMx <sup>(5)</sup>

Notes: (1) Output current range with constant power at 880W.

- (2) Measured at 100% load and 220Vac input (see below "General Specifications" for details).
- (3) Certified input voltage range: UL, FCC 100-277Vac; otherwise 100-240Vac
- (4) x = G are UL Recognized, ENEC and CCC, etc. models; x = T are UL Class P models, x = B are BIS models.

(5) SELV output

1/20

All specifications are typical at 25 °C unless otherwise stated.

Specifications are subject to changes without notice.

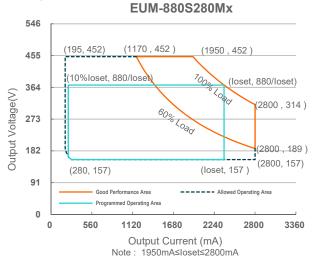
www.inventronics-co.com

Tel: 86-571-56565800 Fax: 86-571-86601139

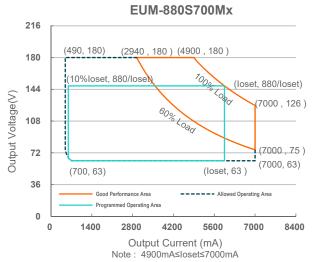
Rev C

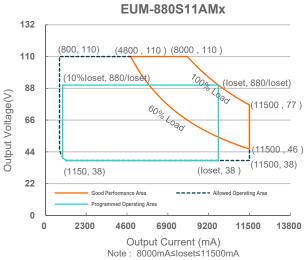
880W Programmable Driver with INV Digital Dimming

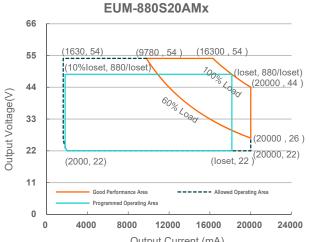
#### **I-V Operation Area**



#### EUM-880S420Mx 354 (1800, 294) (3000, 294) 295 10%loset, 880/lose (loset, 880/loset) 236 /oltage(V) (4200, 210) 60% 177 utput (4200, 126) 118 (4200, 104) 5 (420, 104) (loset, 104) 59 Programmed Operating Area 0 0 840 1680 2520 3360 4200 5040 Output Current (mA) Note: 3000mA≤loset≤4200mA







Output Current (mA) Note: 16300mA≤loset≤20000mA

2/20

Specifications are subject to changes without notice.

All specifications are typical at 25 °C unless otherwise stated.

EUM-880SxxxMx

Rev.C

880W Programmable Driver with INV Digital Dimming

## **Input Specifications**

Parameter	Min.	Тур.	Max.	Notes	
Input AC Voltage	90 Vac	-	305 Vac		
Input DC Voltage	127 Vdc	-	300 Vdc		
Input Frequency	47 Hz	-	63 Hz		
Lackage Current	-	-	0.75 MIU	UL 8750; 277Vac/ 60Hz	
Leakage Current			0.70 mA	IEC 60598-1; 240Vac/ 60Hz	
In most A C Commont	-	-	7.80 A	Measured at 90% load and 120 Vac input.	
Input AC Current	-	-	4.72 A	Measured at 100% load and 220 Vac input.	
Inrush Current(I2t)	-	-	2.11 A <sup>2</sup> s	At 220Vac input, 25°C cold start, duration=15.2 ms, 10%lpeak-10%lpeak.	
PF	0.90	-	-	At 100-277Vac, 50-60Hz, 60%-100% Loa	
TLID	-	-	20%	(528 - 880W)	
THD			10%	At 220-240Vac, 50-60Hz, 75%-100% Load (660 - 880W)	

## **Output Specifications**

Parameter	Min.	Тур.	Max.	Notes
Output Current Tolerance	-5%loset	-	5%loset	100% load
Output Current Setting(loset) Range				
EUM-880S280Mx EUM-880S420Mx EUM-880S700Mx EUM-880S11AMx	195 mA 300 mA 490 mA 800 mA	- - -	2800 mA 4200 mA 7000 mA 11500 mA	
EUM-880S20AMx Output Current Setting Range with Constant Power	1630 mA	-	20000 mA	
EUM-880S280Mx EUM-880S420Mx EUM-880S700Mx EUM-880S11AMx EUM-880S20AMx	1950 mA 3000 mA 4900 mA 8000 mA 16300 mA	- - - -	2800 mA 4200 mA 7000 mA 11500 mA 20000 mA	
Total Output Current Ripple (pk-pk)	-	5%lomax	10%lomax	100% load, 20 MHz BW
Output Current Ripple at < 200 Hz (pk-pk)	-	-	2%lomax	70%-100% load
Startup Overshoot Current	-	-	10%lomax	100% load
No Load Output Voltage  EUM-880S280Mx  EUM-880S420Mx  EUM-880S700Mx  EUM-880S11AMx  EUM-880S20AMx	- - - -	- - - -	500 V 350 V 210 V 120 V 60 V	
Line Regulation	-	-	±0.5%	100% load

3/20

Specifications are subject to changes without notice.

All specifications are typical at 25  $^{\circ}\mathrm{C}$  unless otherwise stated.

Rev C

880W Programmable Driver with INV Digital Dimming

## **Output Specifications (Continued)**

Parameter	Min.	Тур.	Max.	Notes
Load Regulation	-	-	±1.5%	
Turn-on Delay Time	-	-	0.5 s	Measured at 120-277Vac input, 60%-10 0% Load
Temperature Coefficient of loset	-	0.03%/°C	-	Case temperature = 0°C ~Tc max
12V Auxiliary Output Voltage	10.8 V	12 V	13.2 V	
12V Auxiliary Output Source Current	0 mA	-	250 mA	Return terminal is "Dim-"
12V Auxiliary Output Transient Peak Current@6W	-	-	500 mA	500mA peak for a maximum duration of 2.2ms in a 6.0ms period during which time the average should not exceed 250mA.
12V Auxiliary Output Transient Peak Current@10W	-	-	850 mA	850mA peak for a maximum duration of 1.3ms in a 5.2ms period during which time the average should not exceed 250mA.

#### **General Specifications**

Parameter	Min.	Тур.	Max.	Notes
Efficiency at 120 Vac input:				
EUM-880S280Mx	00.00/	04.00/		
lo= 1950 mA	92.0%	94.0%	-	
lo= 2800 mA   EUM-880S420Mx	91.5%	93.5%	-	
lo= 3000 mA	92.0%	94.0%		
lo= 4200 mA	91.5%	93.5%	_	Measured at 90% load and steady-state
EUM-880S700Mx	31.370	33.370	_	temperature in 25°C ambient;
lo= 4900 mA	92.5%	94.5%	_	(Efficiency will be about 2.0% lower if
lo= 7000 mA	92.0%	94.0%	_	measured immediately after startup.)
EUM-880S11AMx	02.070	01.070		measured infinediatory after startup.)
lo= 8000 mA	92.0%	94.0%	-	
lo= 11500 mA	91.0%	93.0%	-	
EUM-880S20AMx				
Io= 16300 mA	92.0%	94.0%	-	
Io= 20000 mA	91.5%	93.5%	-	
Efficiency at 220 Vac input:				
EUM-880S280Mx				
lo= 1950 mA	93.0%	95.0%	-	
lo= 2800 mA	93.0%	95.0%	-	
EUM-880S420Mx	00 50/	05.50/		
lo= 3000 mA	93.5%	95.5%	-	Managered at 1000/ load and stoody state
lo= 4200 mA	93.5%	95.5%	-	Measured at 100% load and steady-state
EUM-880S700Mx lo= 4900 mA	94.0%	96.0%		temperature in 25°C ambient;
lo= 4900 mA   lo= 7000 mA	94.0%	95.5%	-	(Efficiency will be about 2.0% lower if
EUM-880S11AMx	93.570	95.570	_	measured immediately after startup.)
lo= 8000 mA	93.5%	95.5%	_	
lo= 11500 mA	93.0%	95.0%	_	
EUM-880S20AMx	00.070	00.070		
lo= 16300 mA	93.5%	95.5%	_	
lo= 20000 mA	93.5%	95.5%	-	

Rev C

880W Programmable Driver with INV Digital Dimming

## **General Specifications (Continued)**

Parameter	Min.	Тур.	Max.	Notes
Efficiency at 277 Vac input: EUM-880S280Mx				
lo= 1950 mA lo= 2800 mA	93.5% 93.5%	95.5% 95.5%	-	
EUM-880S420Mx lo= 3000 mA	94.0%	96.0%	-	Managered at 1000/ load and stoody atota
lo= 4200 mA EUM-880S700Mx lo= 4900 mA	93.5% 94.0%	95.5% 96.0%	-	Measured at 100% load and steady-state temperature in 25°C ambient;
lo= 4900 mA lo= 7000 mA EUM-880S11AMx	94.0%	96.0%	-	(Efficiency will be about 2.0% lower if measured immediately after startup.)
Io= 8000 mA Io= 11500 mA	93.0% 93.0%	95.5% 95.0%	-	
EUM-880S20AMx lo= 16300 mA lo= 20000 mA	93.5% 93.5%	95.5% 95.5%	-	
Standby Power	-	-	0.5 W	Measured at 230Vac/50Hz; Dimming off
MTBF	-	200,000 Hours	-	Measured at 220Vac input, 80%Load and 25°C ambient temperature (MIL-HDBK-217F)
Lifetime	-	105,000 Hours	-	Measured at 220Vac input, 80%Load and 70°C case temperature; See lifetime vs. Tc curve for the details
	-	83,000 Hours	-	Measured at 220Vac input, 100%Load and 40°C ambient temperature
Operating Case Temperature for Safety Tc_s	-40°C	-	+90°C	
Operating Case Temperature for Warranty Tc_w	-40°C	-	+80°C	Case temperature for 5 years warranty Humidity: 10%RH to 95%RH
Storage Temperature	-40°C	-	+85°C	Humidity: 5%RH to 95%RH
Dimensions Inches (L × W × H) Millimeters (L × W × H)	9.84 × 5.67 × 1.91 250 × 144 × 48.5			With mounting ear 10.83 × 5.67 × 1.91 275 × 144 × 48.5
Net Weight	-	3500 g	-	

## **Dimming Specifications**

Parameter		Min.	Тур.	Max.	Notes
	Absolute Maximum Voltage on the Vdim (+) Pin		-	20 V	
Source Curr	ent on Vdim (+)Pin	200 uA	300 uA	450 uA	Vdim(+) = 0 V
Dimming Output	EUM-880S280Mx EUM-880S420Mx EUM-880S700Mx EUM-880S11AMx EUM-880S20AMx	10%loset	-	loset	1950 mA ≤ loset ≤ 2800 mA 3000 mA ≤ loset ≤ 4200 mA 4900 mA ≤ loset ≤ 7000 mA 8000 mA ≤ loset ≤ 11500 mA 16300 mA ≤ loset ≤ 20000 mA
Range with 10%-100% (Default)	EUM-880S280Mx EUM-880S420Mx EUM-880S700Mx EUM-880S11AMx EUM-880S20AMx	195 mA 300 mA 490 mA 800 mA 1630 mA	-	loset	195 mA ≤ loset <1950 mA 300 mA ≤ loset <3000 mA 490 mA ≤ loset <4900 mA 800 mA ≤ loset <8000 mA 1630 mA ≤ loset <16300 mA

5/20

Fax: 86-571-86601139

Specifications are subject to changes without notice.

All specifications are typical at 25 ℃ unless otherwise stated.

## **Dimming Specifications (Continued)**

P	arameter	Min.	Тур.	Max.	Notes	
Dimming Output	EUM-880S280Mx EUM-880S420Mx EUM-880S700Mx EUM-880S11AMx EUM-880S20AMx	5%loset	-	loset	1950 mA ≤ loset ≤ 2800 mA 3000 mA ≤ loset ≤ 4200 mA 4900 mA ≤ loset ≤ 7000 mA 8000 mA ≤ loset ≤ 11500 mA 16300 mA ≤ loset ≤ 20000 mA	
Range with 5%-100% (Settable)	EUM-880S280Mx EUM-880S420Mx EUM-880S700Mx EUM-880S11AMx EUM-880S20AMx	98 mA 150 mA 245 mA 400 mA 815 mA	-	loset	195 mA ≤ loset < 1950 mA 300 mA ≤ loset < 3000 mA 490 mA ≤ loset < 4900 mA 800 mA ≤ loset < 8000 mA 1630 mA ≤ loset < 16300 mA	
Recommend Range	led Dimming Input	0 V	-	10 V		
Dim off Volta	age	0.35 V	0.5 V	0.65 V	Default 0-10V dimming mode.	
Dim on Volta	age	0.55 V	0.7 V	0.85 V	- Default 0-10V diffilling filode.	
Hysteresis		-	0.2 V	-		
PWM_in Hig	h Level	3 V	-	10 V		
PWM_in Lov	v Level	-0.3 V	-	0.6 V		
PWM_in Fre	quency Range	200 Hz	-	3 KHz		
PWM_in Dut	ty Cycle	1%	-	99%		
PWM Dimmi Logic)	ng off (Positive	3%	5%	8%	Dimming mode set to PWM in Inventronics Programming Software.	
	ng on (Positive	5%	7%	10%		
	ng off (Negative	92%	95%	97%		
PWM Dimmi Logic)	ng on (Negative	90%	93%	95%		
Hysteresis		-	2%	-		

## **Safety & EMC Compliance**

Safety Category	Standard
UL/CUL	UL 8750, CAN/CSA-C22.2 No. 250.13
ENEC & CE	EN 61347-1, EN 61347-2-13
UKCA	BS EN 61347-1, BS EN 61347-2-13
СВ	IEC 61347-1, IEC 61347-2-13
CCC	GB 19510.1, GB 19510.14
KC	K 61347-1, K 61347-2-13
NOM	NOM-058-SCFI
BIS	IS 15885(Part2/Sec13)

6/20

Specifications are subject to changes without notice.

All specifications are typical at 25  $^{\circ}\!\text{C}$  unless otherwise stated.



Rev.C

## **Safety & EMC Compliance (Continued)**

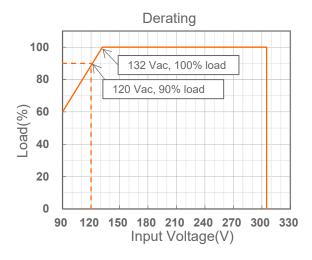
Safety Category	Standard
SAA	AS/NZS 61347.1, AS/NZS 61347.2.13
Performance	Standard
ENEC	EN 62384
EMI Standards	Notes
BS EN/EN IEC 55015/GB/T 17743/KS C 9815 <sup>(1)</sup>	Conducted emission Test &Radiated emission Test
BS EN/EN IEC 61000-3-2/GB 17625.1	Harmonic current emissions
BS EN/EN 61000-3-3	Voltage fluctuations & flicker
	ANSI C63.4 Class B
FCC Part 15 <sup>(1)</sup>	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: [1] this device may not cause harmful interference, and [2] this device must accept any interference received, including interference that may cause undesired Operation.
EMS Standards	Notes
BS EN/EN 61000-4-2	Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge
BS EN/EN 61000-4-3	Radio-Frequency Electromagnetic Field Susceptibility Test-RS
BS EN/EN 61000-4-4	Electrical Fast Transient / Burst-EFT
BS EN/EN 61000-4-5	Surge Immunity Test: AC Power Line: Differential Mode 6 kV, Common Mode 10 kV
BS EN/EN 61000-4-6	Conducted Radio Frequency Disturbances Test-CS
BS EN/EN 61000-4-8	Power Frequency Magnetic Field Test
BS EN/EN 61000-4-11	Voltage Dips
BS EN/EN 61547/KS C 9547	Electromagnetic Immunity Requirements Applies To Lighting Equipment

**Note:** (1) This LED driver meets the EMI specifications above, but EMI performance of a luminaire that contains it depends also on the other devices connected to the driver and on the fixture itself.

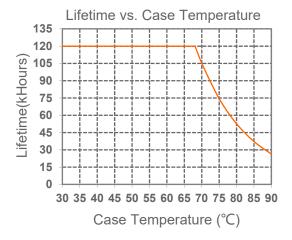
Rev.C

880W Programmable Driver with INV Digital Dimming

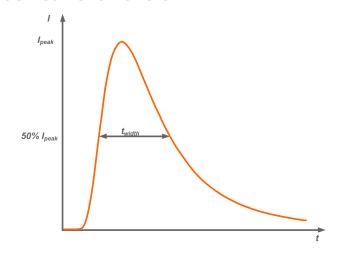
#### **Derating**



## Lifetime vs. Case Temperature



#### **Inrush Current Waveform**



Input AC Voltage	I <sub>peak</sub>	t <sub>width</sub> (@ 50% Ipeak)	
220Vac	13.6A	4.32ms	

8/20

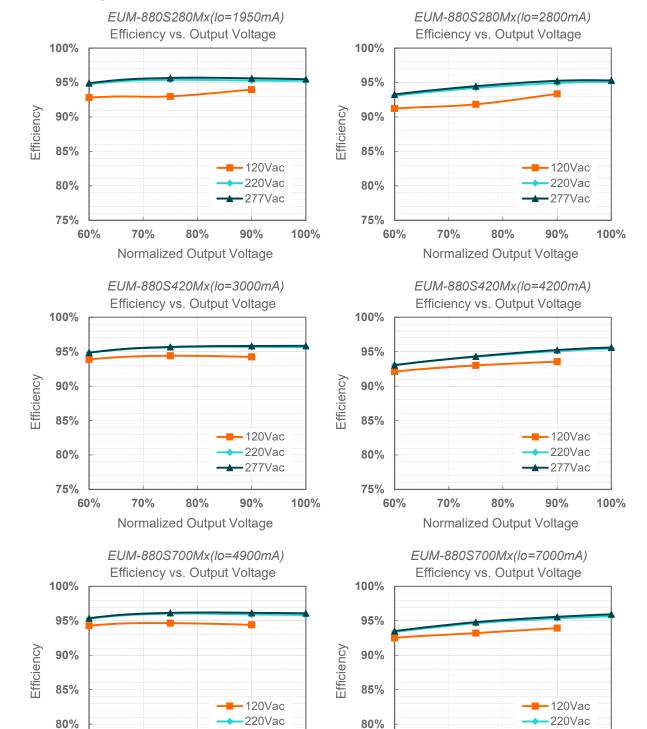
Fax: 86-571-86601139

Specifications are subject to changes without notice.

All specifications are typical at 25 °C unless otherwise stated.

#### Efficiency vs. Load

inventronics



9/20

75%

60%

**70**%

Specifications are subject to changes without notice.

70%

80%

Normalized Output Voltage

All specifications are typical at 25 °C unless otherwise stated.

80%

Normalized Output Voltage

277Vac

100%

90%

75%

60%

277Vac

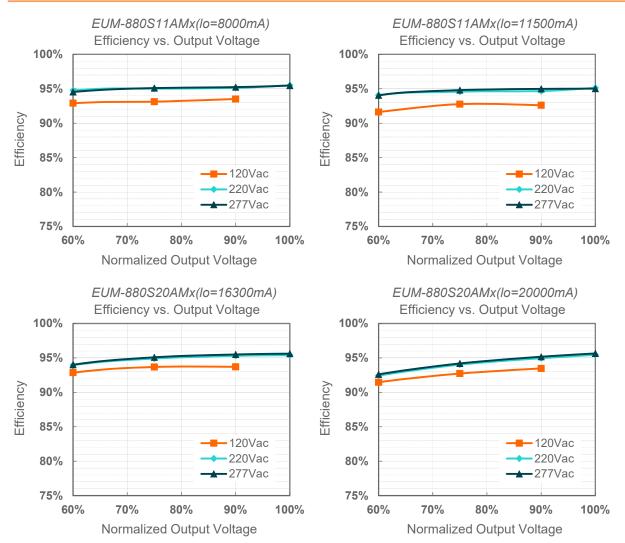
100%

90%

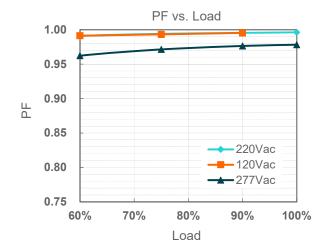


Rev.C

880W Programmable Driver with INV Digital Dimming



#### **Power Factor**



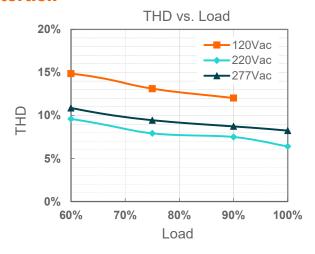
10/20

Specifications are subject to changes without notice.

All specifications are typical at 25 °C unless otherwise stated.

Rev.C

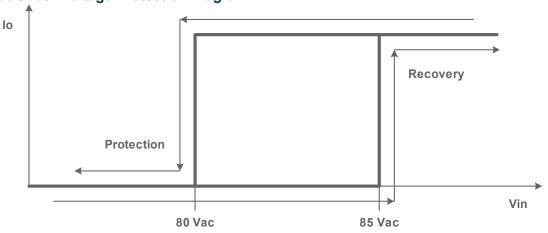
#### **Total Harmonic Distortion**



#### **Protection Functions**

Parameter		Min.	Тур.	Max.	Notes		
Over Tempera	ture Protection	Decreases output current, returning to normal after over temperature is removed.					
Short Circuit P	rotection		Auto Recovery. No damage will occur when any output is short circuited. The output shall return to normal when the fault condition is removed.				
Over Voltage F	Protection	Limits outpu	it voltage at no	load and in c	ase the normal voltage limit fails.		
Input Under Voltage	Input Protection Voltage	70 Vac	80 Vac	90 Vac	Turn off the output when the input voltage falls below protection voltage.		
Protection (IUVP)	Input Recovery Voltage	75 Vac	85 Vac	95 Vac	Auto Recovery. The driver will restart when the input voltage exceeds recovery voltage.		
Input Over	Input Over Voltage Protection	310 Vac	320 Vac	330 Vac	Turn off the output when the input voltage exceeds protection voltage.		
Voltage Protection (IOVP)	Input Over Voltage Recovery	300 Vac	310 Vac	320 Vac	Auto Recovery. The driver will restart when the input voltage falls below recovery voltage.		
	Max. of Input Over Voltage	-	-	350 Vac	The driver can survive for 8 hours with a stable input voltage stress of 350Vac.		

#### Input Under Voltage Protection Diagram



11/20

Specifications are subject to changes without notice.

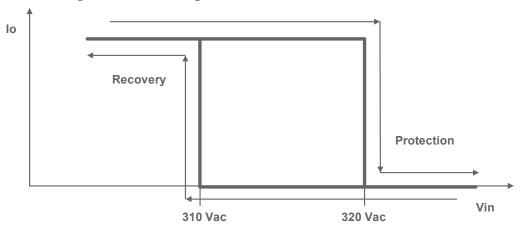
All specifications are typical at 25 °C unless otherwise stated.

www.inventronics-co.com

Tel: 86-571-56565800

Fax: 86-571-86601139

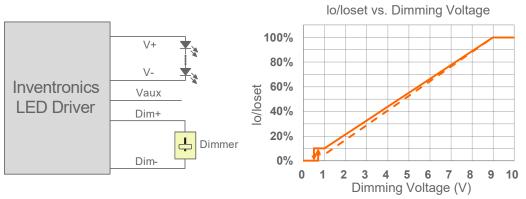
#### Input Over Voltage Protection Diagram



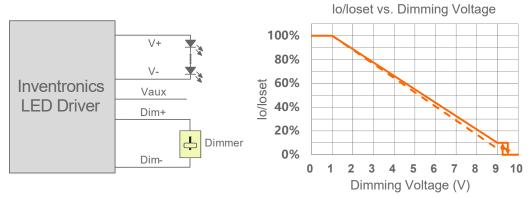
#### **Dimming**

#### • 0-10V Dimming

The recommended implementation of the dimming control is provided below.



Implementation 1: Positive logic



Implementation 2: Negative logic

12/20

Tel: 86-571-56565800

Specifications are subject to changes without notice.

All specifications are typical at 25 °C unless otherwise stated.

Rev.C

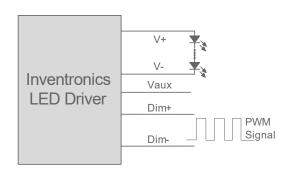
880W Programmable Driver with INV Digital Dimming

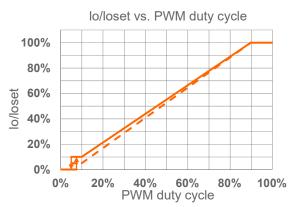
#### Notes:

- 1. Do NOT connect Dim- to the output V- or V+, otherwise the driver will not work properly.
- 2. The dimmer can also be replaced by an active 0-10V voltage source signal or passive components like zener.
- 3. When 0-10V negative logic dimming mode and Dim+ is open, the driver will dim to off and be standby.

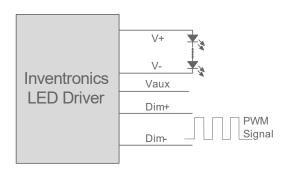
#### PWM Dimming

The recommended implementation of the dimming control is provided below.





Implementation 3: Positive logic





Implementation 4: Negative logic

#### Note:

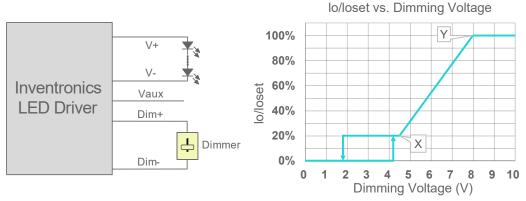
- 1. Do NOT connect Dim- to the output V- or V+, otherwise the driver will not work properly.
- 2. When PWM negative logic dimming mode and Dim+ is open, the driver will dim to off and be standby.

#### Adjustable Dimming Curve

0-10V dimming curve can be set as corresponding dimming voltage by Inventronics Multi Programmer. Take the positive logic dimming as an example, the recommended implementation of the dimming control is provided below.

13/20

Fax: 86-571-86601139



Implementation 5: Positive logic

#### Notes:

- 1. Do NOT connect Dim- to the output V- or V+, otherwise the driver will not work properly.
- 2. The dimmer can also be replaced by an active 0-10V voltage source signal or passive components like zener.
- 3. When dimming voltage X point is set to be smaller than Y point, the dimming curve is positive logic, conversely, when X point is set to be bigger than Y point, the dimming curve is negative logic.
- 4. For best dimming accuracy, the difference between X point and Y point is advised more than 4V.
- 5. Dimming off voltage adjustable.

#### Time Dimming

Time dimming control includes 3 kinds of modes, they are Self Adapting-Midnight, Self Adapting-Percentage and Traditional Timer.

- **Self Adapting-Midnight**: Automatically adjusts the dimming curve based on the on-time of past two days (if difference <15 minutes), assuming that the center point of the dimming curve is midnight local time.
- **Self Adapting-Percentage**: Automatically adjusts the on-time of each step by a constant percentage = (actual on-time for the past 2 days if difference <15 min) / (programmed on-time from the dimming curve).
- Traditional Timer: Follows the programmed timing curve after power on with no changes.

#### Output Lumen Compensation

Output Lumen Compensation (OLC) may be used to maintain constant light output over the life of the LEDs by driving them at a reduced current when new, then gradually increasing the drive current over time to counteract LED lumen degradation.

#### Minimum Dimming Level with 5% or 10% Selectable

The minimum dimming level can be set as 5% or 10% by Inventronics Multi Programmer, 10% is default.

#### Hold Time Adjustable

When AC power is first applied to the LED driver, enabling a "Hold" period can allow devices powered by the Auxiliary voltage to stabilize before the driver fades up to the maximum dimming level. During this period, the driver will not respond to external dimming commands but will respond again after the hold time ends. Both the initial dimming percentage and the duration of this hold period can be adjusted by the Inventronics Multi Programmer. This function is disabled by default

#### Fade Time Adjustable

There is a "Fade" period after the "Hold" period. The soft-start time and dimming slope applied to all dimming transitions can be adjusted individually. It is adjusted by the Inventronics Multi Programmer. This function is disabled by default.

14/20

Fax: 86-571-86601139

Specifications are subject to changes without notice.

All specifications are typical at 25 ℃ unless otherwise stated.

Rev.C

880W Programmable Driver with INV Digital Dimming

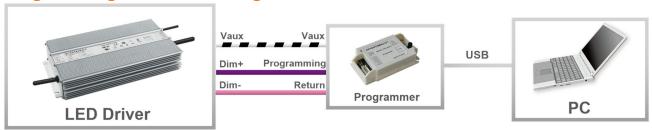
#### End Of Life

End-of-Life (EOL) is providing a visual notification to a user that the LED module has reached the end of manufacturer-specified life and that the replacement is recommended. Once active, an indication is given at each power-up of the driver, which the driver indicates this through a lower light output during the first 1 minute before normal operation is continued.

#### Digital Dimming

Inventronics Digital Dimming is a UART (Universal Asynchronous Receive Transmitter) based communication protocol. Please refer to <a href="Inventronics Digital Dimming">Inventronics Digital Dimming</a> file for details.

#### **Programming Connection Diagram**



Note: The driver does not need to be powered on during the programming process.

#### Please refer to <u>PRG-MUL2</u> (Programmer) datasheet for details.

#### **Mechanical Outline**

EUM-880S280MG/EUM-880S420MG/EUM-880S700MG

INPUT(UL SJOW 17AWG/3C8VDE H05RN-F 3\*1.0mm² Ø 8.3)

DIMMING(UL21996 22AWG/3C Ø 5.0)

#### 21114

DIMMING(UL21996 22AWG/3C Ø 5.0)

#### 21114

OUTPUT(UL SOOW 17AWG/3C8VDE H07RN-F 2\*1.0mm² Ø 9.3)

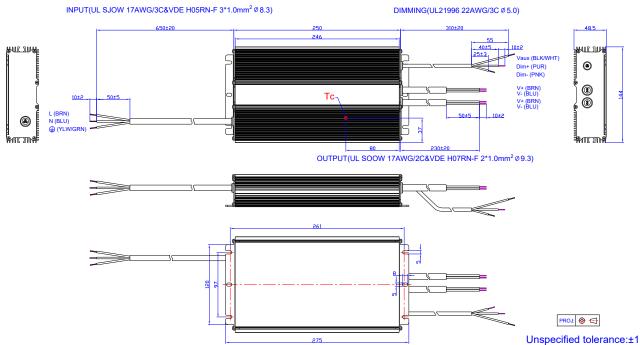
Unspecified tolerance::1

EUM-880SxxxMx

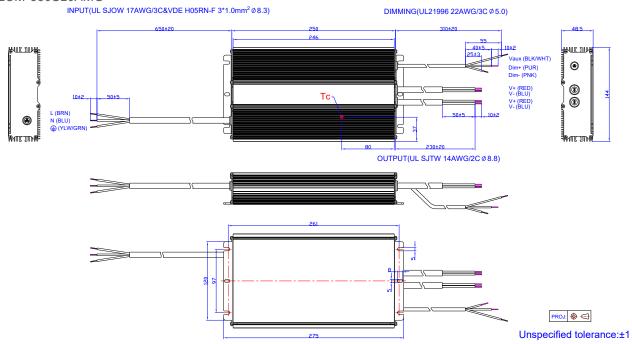
Rev.C

880W Programmable Driver with INV Digital Dimming

#### **EUM-880S11AMG**



#### EUM-880S20AMG



16/20

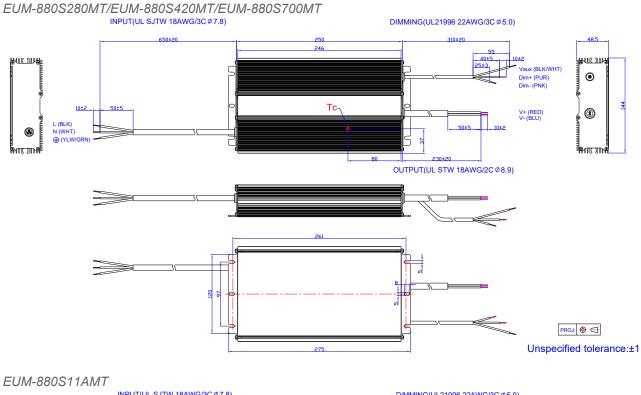
Specifications are subject to changes without notice.

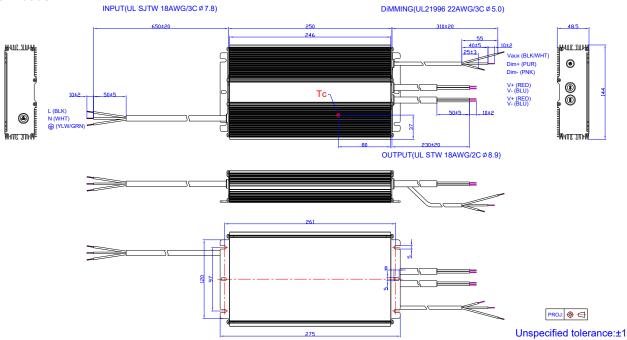
All specifications are typical at 25 °C unless otherwise stated.

EUM-880SxxxMx

Rev.C

880W Programmable Driver with INV Digital Dimming





17/20

Specifications are subject to changes without notice.

All specifications are typical at 25 °C unless otherwise stated.

EUM-880SxxxMx

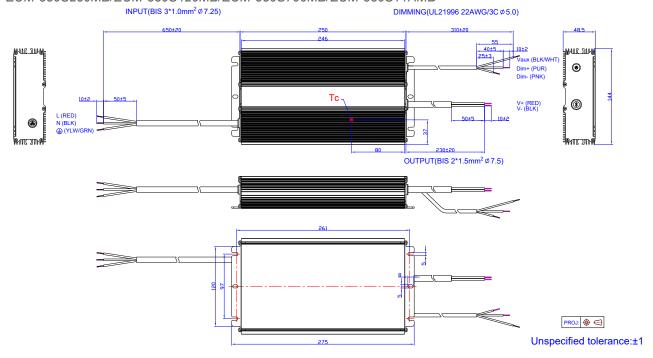
Rev.C

880W Programmable Driver with INV Digital Dimming

Unspecified tolerance:±1

# EUM-880S20AMT INPUT(UL SJTW 18AWG/3C Ø 7.8) DIMMING(UL21996 22AWG/3C Ø 5.0) AUE 3UM AUE 3

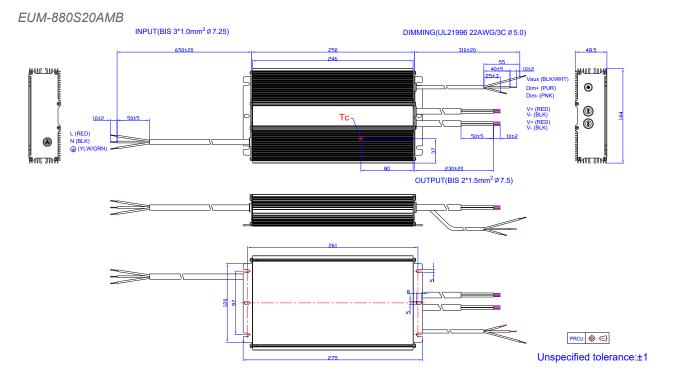
#### EUM-880S280MB/EUM-880S420MB/EUM-880S700MB/EUM-880S11AMB



EUM-880SxxxMx

Rev.C

880W Programmable Driver with INV Digital Dimming



## **RoHS Compliance**

Our products comply with reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU, calling for the elimination of lead and other hazardous substances from electronic products.

EUM-880SxxxMx

Rev.C

880W Programmable Driver with INV Digital Dimming

#### **Revision History**

Change Date	Rev.	Description of Change		
		Item	From	То
2021-12-06	Α	Datasheet Release		/
2023-04-04	В	Product Photograph		Updated
		KC/KCC/BIS/SAA logo		Added
		Models	/	Updated
		General Specifications	/	Updated
		Safety &EMC Compliance	/	Updated
		Efficiency vs. Load	/	Updated
		Power Factor	/	Updated
		Total Harmonic Distortion	/	Updated
		Dimming	/	Updated
		Programming Connection Diagram	/	Updated
		Mechanical Outline	/	Updated
2024-01-11	С	Format	/	Updated
		Features	/	Updated
		Safety &EMC Compliance	/	Updated
		Inrush Current Waveform	/	Updated
		Dimming	/	Updated

Fax: 86-571-86601139