#### **Features**

- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- DALI-2 and D4i Certified
- 3-Timer-Modes Dimmable
- Dim-to-Off with Standby Power ≤ 0.5W
- Dimming range: 5%-100%
- 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%
- Low Inrush Current
- 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 Years Warranty









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## **Description**

The *EUM-480SxxxBG* series is a 480W, constant-current, NFC programmable and IP66/IP67 rated LED driver that operates from 90-305Vac input with excellent power factor. Created for intra-luminaire solutions and health monitoring applications, this family provides integrated AC power monitoring with an auxiliary voltage and dim-to-off functionality for powering low voltage, wireless controls. The dimming control supports two-way communication via DALI-2 and complies with D4i. 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, input under voltage, input over voltage, output over voltage, short circuit, and over temperature.

#### **Models**

Adjustable Output	Output Full-Power Default Output Ma		Max. Output	Typical		ical Factor	Model Number <sup>(3)</sup>		
Current Range(A)	Range(A) <sup>(1)</sup>	Current(A)	Range(Vdc)	Power(W)	Efficiency <sup>(2)</sup>	120Vac 220Vac		Model Number	
0.105-1.4	1.05-1.4	1.4	171-457	480	95.0%	0.99	0.96	EUM-480S140BG	
0.21-2.8	2.1-2.8	2.8	86-228	480	95.0%	0.99	0.96	EUM-480S280BG	
0.315-4.2	3.15-4.2	4.2	57-152	480	94.0%	0.99	0.96	EUM-480S420BG	
0.435-5.6	4.35-5.6	5.6	43-110	480	94.0%	0.99	0.96	EUM-480S560BG <sup>(4)</sup>	
0.86-10	8.6-10	10	24-56	480	94.0%	0.99	0.96	EUM-480S10ABG <sup>(4)</sup>	

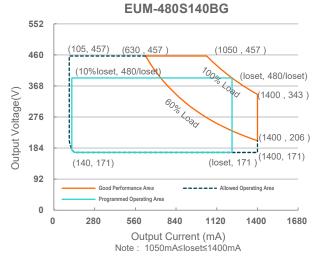
Notes: (1) Output current range with constant power at 480W.

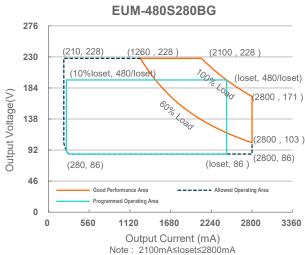
- (2) Measured at 100% load and 220Vac input (see below "General Specifications" for details).
- (3) Certified voltage range: UL, FCC 100-277Vac; otherwise 100-240Vac
- (4) SELV output.

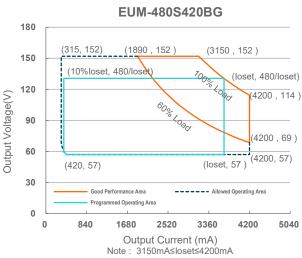
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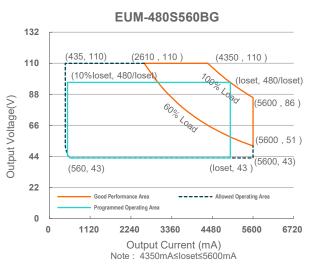
inventronics

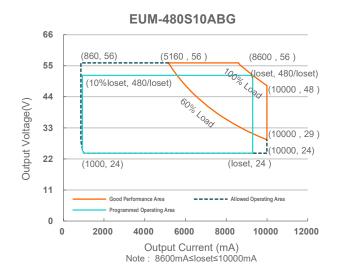
## **I-V Operating Area**











2/16

Specifications are subject to changes without notice.

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

Tel: 86-571-56565800

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Rev.C

480W NFC Driver with DALI-2 and D4i

## **Input Specifications**

Parameter	Min.	Тур.	Max.	Notes
Input AC Voltage	90 Vac	-	305 Vac	
Input DC Voltage	127 Vdc	-	250 Vdc	
Input Frequency	47 Hz	-	63 Hz	
Leakage Current	-	-	0.75 MIU	UL 8750; 277Vac/60Hz
	-	-	0.70 mA	IEC 60598-1; 240Vac/60Hz
In must A C Commont	-	-	4.85 A	Measured at 100% load and 120 Vac input.
Input AC Current	-	-	2.61 A	Measured at 100% load and 220 Vac input.
Inrush Current(I <sup>2</sup> t)	-	-	1.03 A <sup>2</sup> s	At 220Vac input, 25°C cold start, duration=6.52ms, 10%lpk-10%lpk.
PF	0.90	-	-	At 100-277Vac,50-60Hz,60%-100% Load
THD	-	-	20%	(288- 480W)
THD			10%	At 220-240Vac,50-60Hz,75%-100% Load (360-480W)

## **Output Specifications**

Parameter	Min.	Тур.	Max.	Notes
Output Current Tolerance	-5%loset	-	5%loset	100% load
Output Current Setting(loset) Range				
EUM-480S140BG	105 mA	-	1400 mA	
EUM-480S280BG	210 mA	-	2800 mA	
EUM-480S420BG	315 mA	-	4200 mA	
EUM-480S560BG EUM-480S10ABG	435 mA 860 mA	-	5600 mA 10000 mA	
Output Current Setting Range with Constant Power			10000 1111	
EUM-480S140BG	1050 mA	-	1400 mA	
EUM-480S280BG	2100 mA	-	2800 mA	
EUM-480S420BG	3150 mA	-	4200 mA	
EUM-480S560BG	4350 mA	-	5600 mA	
EUM-480S10ABG	8600 mA	-	10000 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	-	100% load
Startup Overshoot Current	-	-	10%lomax	100% load
No Load Output Voltage				
EUM-480S140BG	-	-	500 V	
EUM-480S280BG	-	-	280 V	
EUM-480S420BG	-	-	190 V	
EUM-480S560BG	-	-	120 V	
EUM-480S10ABG	-	-	60 V	

Rev.C

480W NFC Driver with DALI-2 and D4i

## **Output Specifications (Continued)**

Parameter	Min. Typ. Max.		Max.	Notes
Line Regulation	-	-	±0.5%	100% load
Load Regulation	-	-	±1.5%	
Turn-on Delay Time	-	-	0.5 s	Measured at all dimming modes except DALI-2,and 120-277Vac input,60%-100%Load
			1.0 s	Measured at DALI-2 dimming mode, and 120-277Vac input, 60%-100% Load
Temperature Coefficient of loset	-	0.03%/°C	-	Case temperature = 0°C ~Tc max
24V Auxiliary Output Voltage	21.6 V	24 V	26.4 V	
24V Auxiliary Output Source Current	0 mA	-	125 mA	Return terminal is "DA-"
24V Auxiliary Output Transient Peak Current@6W	-	-	250 mA	250mA peak for a maximum duration of 2.2ms in a 6.0ms period during which time the average should not exceed 125mA.
24V Auxiliary Output Transient Peak Current@10W	-	-	425 mA	425mA peak for a maximum duration of 1.3ms in a 5.2ms period during which time the average should not exceed 125mA.
Integrated DALI-2 Bus Power Supply Voltage	12 Vdc	16 Vdc	20 Vdc	Voltage is depending on loading.
Integrated DALI-2 Bus Power Maximum Supply Current	60 mA			
Integrated DALI-2 Bus Power Guaranteed Supply Current	50 mA			DALI-2 Bus Power Supply Voltage ≥12V

Notes: (1) DALI-2 bus power supply is enabled by default and can be disabled via programming interface.

(2) DALI-2 bus power supply supports automatic shut-down and restart after short-circuit.

## **General Specifications**

Parame	eter	Min.	Тур.	Max.	Notes
Efficiency at 120 Va EUM-480S140BG	ac input:				
	lo= 1050 mA	91.5%	93.5%	-	
	lo= 1400 mA	91.5%	93.5%	-	
EUM-480S280BG					
	lo= 2100 mA	91.5%	93.5%	-	
	lo= 2800 mA	91.5%	93.5%	-	Measured at 100% load and steady-state
EUM-480S420BG					temperature in 25°C ambient;
	lo= 3150 mA	90.0%	92.0%	-	(Efficiency will be about 2.0% lower if
	lo= 4200 mA	90.0%	92.0%	-	measured immediately after startup.)
EUM-480S560BG					
	lo= 4350 mA	90.5%	92.5%	-	
	lo= 5600 mA	90.5%	92.5%	-	
EUM-480S10ABG					
	lo= 8600 mA	90.5%	92.5%	_	
	lo= 10000 mA	90.5%	92.5%	-	

Rev.C

480W NFC Driver with DALI-2 and D4i

## **General Specifications (Continued)**

Efficiency at 220 Vac input:  EUM-480S140BG    c	Parame		Min.	Тур.	Max.	Notes
EUM-480S140BG			Willi.	Typ.	wax.	Notes
Lor   1050 mA   93.0%   95.0%   -		ac input:				
EUM-480S280BG	LOW-4000 140D0	lo= 1050 mA	93.0%	95.0%	-	
Line		lo= 1400 mA	93.0%	95.0%	-	
Line	EUM-480S280BG	lo= 2100 mA	03 0%	05.0%		
EUM-480S420BG					-	Measured at 100% load and steady-state
Io= 4200 mA	EUM-480S420BG					
EUM-480S10ABG					-	
Io= 5600 mA   92.0%   94.0%   -	EUM-480S560BG	10- 4200 IIIA	92.070	94.070	_	measured immediately after startup.)
EUM-480S10ABG					-	
Io= 8600 mA   92.0%   94.0%   -	ELIM 400010ADC	lo= 5600 mA	92.0%	94.0%	-	
Care   1000 MA   92.0%   94.0%   -	EUIVI-4005 TUADG	lo= 8600 mA	92.0%	94.0%	_	
EUM-480S140BG		lo= 10000 mA			-	
Case Temperature   Case Temper		ac input:				
Comparison   Com	EUM-4805140BG	lo= 1050 mA	93.0%	95.0%	_	
Comparison   Com					-	
Io= 2800 mA   93.0%   95.0%   -     Measured at 100% load and steady-state temperature in 25°C ambient; (Efficiency will be about 2.0% lower if measured immediately after startup.)	EUM-480S280BG		00.00/	05.00/		
EUM-480S420BG					-	Measured at 100% load and steady-state
Io= 4200 mA   92.0%   94.0%   -	EUM-480S420BG	10- 2000 1117	30.070	33.070		
EUM-480S560BG					-	
Io= 4350 mA   Io= 5600 mA   92.0%   94.0%   -	ELIM 4809560BG	lo= 4200 mA	92.0%	94.0%	-	measured immediately after startup.)
EUM-480S10ABG	EUW-4603300BG	lo= 4350 mA	92.0%	94.0%	-	
Document		lo= 5600 mA	92.0%	94.0%	-	
Neasured at 220Vac input and 100%   Load   Standby Power   -   -   1%   Measured at 220Vac input and 100%   Load   Standby Power   -   -   0.5 W   Measured at 230Vac/50Hz; Dimming off	EUM-480S10ABG	Io= 8600 mA	92.0%	94.0%	_	
Standby Power   -1%					_	
MTBF         -         293,000 Hours         -         Measured at 220Vac input, 80%Load and 25°C ambient temperature (MIL-HDBK-217F)           Lifetime         -         110,000 Hours         -         Measured at 220Vac input, 80%Load and 70°C case temperature; See lifetime vs. Tc curve for the details           Lifetime         -         86,000 Hours         -         Measured at 220Vac input, 80%Load and 70°C case temperature; See lifetime vs. Tc curve for the details           Operating Case Temperature for Safety Tc_s         -         -         +90°C           Operating Case Temperature for Warranty Tc_w         -         +90°C           Case temperature for 7 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)         9.57 × 3.54 × 1.71         With mounting ear         10.31 × 3.54 × 1.71           Millimeters (L × W × H)         243 × 90 × 43.5         With mounting ear         10.31 × 3.54 × 1.71	Power Monitoring A	Accuracy	-1%	-	1%	·
MTBF         -         293,000 Hours         -         25°C ambient temperature (MIL-HDBK-217F)           Lifetime         -         110,000 Hours         -         Measured at 220Vac input, 80%Load and 70°C case temperature; See lifetime vs. Tc curve for the details           Operating Case Temperature for Safety Tc_s         -         86,000 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         -         +75°C         Case temperature for 7 years warranty Humidity: 10%RH to 95%RH           Storage Temperature         -40°C         -         +85°C         Humidity: 5%RH to 95%RH           Dimensions         With mounting ear           Inches (L × W × H)         9.57 × 3.54 × 1.71         10.31 × 3.54 × 1.71           Millimeters (L × W × H)         243 × 90 × 43.5         With mounting ear	Standby Power		-	-	0.5 W	Measured at 230Vac/50Hz; Dimming off
Lifetime	MTRE		_		_	
Lifetime  - Hours - 70°C case temperature; See lifetime vs. Tc curve for the details  - 86,000	WITE		_	Hours		
Lifetime  - Hours - 70°C case temperature; See lifetime vs. Tc curve for the details  - 86,000 - Hours - 90°C - Hours - Tc curve for the details  - Measured at 220Vac input, 100%Load and 40°C ambient temperature  - 40°C - +90°C  - Operating Case Temperature for years warranty - 40°C - +75°C - Case temperature for 7 years warranty - Humidity: 10%RH to 95%RH  Storage Temperature  - 40°C - +85°C - Humidity: 5%RH to 95%RH  Dimensions - Niches (L × W × H) - 9.57 × 3.54 × 1.71 - 243 × 90 × 43.5  - 10.31 × 3.54 × 1.71 - 262 × 90 × 43.5				110.000		
Operating Case Temperature for Safety Tc_s  Operating Case Tempera	Lifotimo		-	-,	-	
Operating Case Temperature for Safety Tc_s  -40°C  -4	Liletime			86.000		
Safety Tc_s         -40 °C         - 40 °C			-		-	
Operating Case Temperature for Warranty Tc_w         -40°C         -         +75°C         Case temperature for 7 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)         9.57 × 3.54 × 1.71         With mounting ear           Millimeters (L × W × H)         243 × 90 × 43.5         10.31 × 3.54 × 1.71           262 × 90 × 43.5         262 × 90 × 43.5	Operating Case Temperature for Safety Tc s		-40°C	-	+90°C	
Storage Temperature         -40°C         -         +85°C         Humidity: 5%RH to 95%RH           Dimensions         Inches (L × W × H)         9.57 × 3.54 × 1.71         With mounting ear           Millimeters (L × W × H)         243 × 90 × 43.5         262 × 90 × 43.5	Operating Case Temperature for		-40°C	-	+75°C	
Inches (L × W × H)       9.57 × 3.54 × 1.71       10.31 × 3.54 × 1.71         Millimeters (L × W × H)       243 × 90 × 43.5       262 × 90 × 43.5			-40°C	-	+85°C	
Millimeters (L × W × H) 243 × 90 × 43.5 262 × 90 × 43.5		Dimensions		1	1	
			-	1870 g	-	

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## **Dimming Specifications**

EUM-480SxxxBG

Parameter		Min.	Тур.	Max.	Notes
DA+, DA- Hig	gh Level	9.5 V	16 V	22.5 V	
DA+, DA- Lo	w Level	-6.5 V	0 V	6.5 V	
DA+, DA- Current		0 mA	-	2 mA	
Dimming Output Range with 5%-100%	EUM-480S140BG EUM-480S280BG EUM-480S420BG EUM-480S560BG EUM-480S10ABG	5%loset	-	loset	1050 mA ≤ loset ≤ 1400 mA 2100 mA ≤ loset ≤ 2800 mA 3150 mA ≤ loset ≤ 4200 mA 4350 mA ≤ loset ≤ 5600 mA 8600 mA ≤ loset ≤ 10000 mA
	EUM-480S140BG EUM-480S280BG EUM-480S420BG EUM-480S560BG EUM-480S10ABG	53 mA 105 mA 158 mA 218 mA 430 mA	-	loset	105 mA ≤ loset < 1050 mA 210 mA ≤ loset < 2100 mA 315mA ≤ loset < 3150 mA 435mA ≤ loset < 4350 mA 860mA ≤ loset < 8600 mA

## **Safety & EMC Compliance**

Safety Category	Standard
UL/CUL	UL 8750,CAN/CSA-C22.2 No. 250.13
ENEC	EN 61347-1, EN 61347-2-13
CE	EN 61347-1, EN 61347-2-13 EN 301 489-1 EN 301 489-3 EN 300 330 EN 62479/EN 50663/EN 50665/EN 50364
СВ	IEC 61347-1, IEC 61347-2-13
CCC	GB 19510.1, GB 19510.14
KC	KC 61347-1, KC 61347-2-13
EAC	TP TC 004, TP TC 020
global-mark	AS/NZS 61347.1, AS/NZS 61347.2.13
Performance	Standard
ENEC	EN IEC 62384
EMI Standards	Notes
EN IEC 55015/GB/T 17743/KS C 9815 <sup>(1)</sup>	Conducted emission Test &Radiated emission Test
EN IEC 61000-3-2/GB 17625.1	Harmonic current emissions
EN 61000-3-3	Voltage fluctuations & flicker

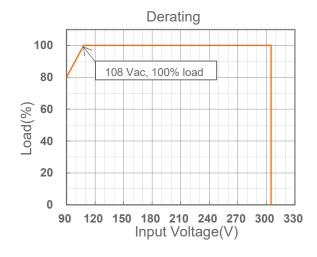
## Safety &EMC Compliance (Continued)

EMI Standards	Notes
	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
EN 61000-4-2	Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge
EN 61000-4-3	Radio-Frequency Electromagnetic Field Susceptibility Test-RS
EN 61000-4-4	Electrical Fast Transient / Burst-EFT
EN 61000-4-5	Surge Immunity Test: AC Power Line: Differential Mode 6 kV, Common Mode 10 kV
EN 61000-4-6	Conducted Radio Frequency Disturbances Test-CS
EN 61000-4-8	Power Frequency Magnetic Field Test
EN 61000-4-11	Voltage Dips
EN 61547/KS C 9547	Electromagnetic Immunity Requirements Applies To Lighting Equipment
DALI-2 Standards	Notes
DALI-2 <sup>(2)</sup>	IEC 62386-101, -102 & -207

Notes: (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.

(2) DALI parts: 101, 102, 150, 207, 250, 251, 252, 253.

## **Derating**

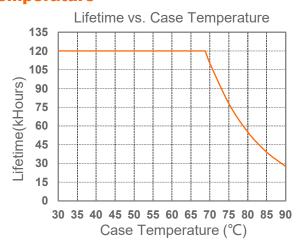


Rev.C

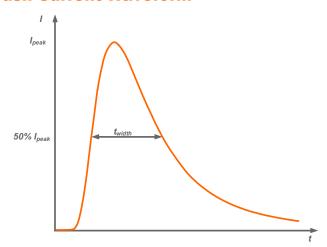
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## Lifetime vs. Case Temperature

EUM-480SxxxBG



## **Inrush Current Waveform**



Input AC Voltage	I <sub>peak</sub>	t <sub>width</sub> (@ 50% Ipeak)
120Vac	8.15A	1.88ms
220Vac	14.5A	2.0ms
277Vac	18.5A	2.06ms

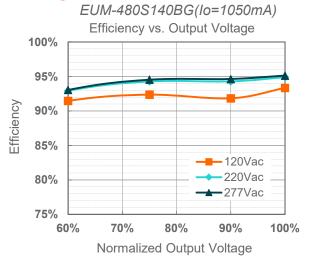
480W NFC Driver with DALI-2 and D4i

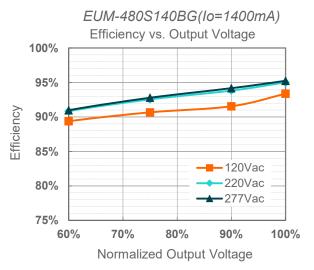
MCB	Tripping Curves	В	В	В	В	С	С	С	С
MCB	Rated Current	10A	16A	20A	25A	10A	16A	20A	25A
The Number of LED Driver can be Configured	120Vac	1	2	2	3	1	2	3	4
	220Vac	2	4	5	6	3	4	6	7
	277Vac	2	4	5	6	3	6	7	9

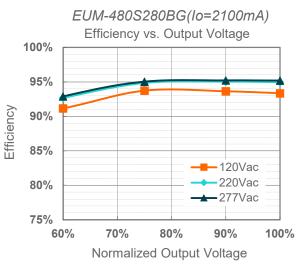
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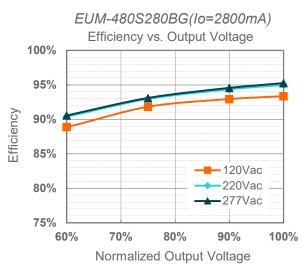
Rev.C

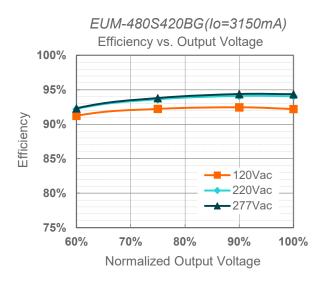
#### Efficiency vs. Load



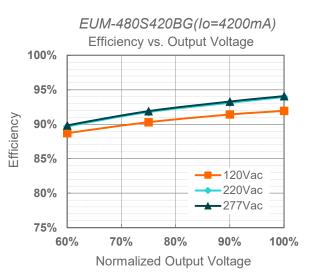








Tel: 86-571-56565800

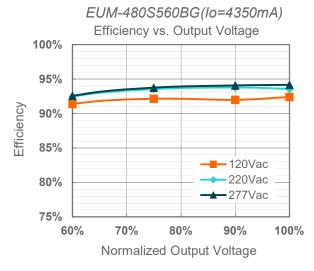


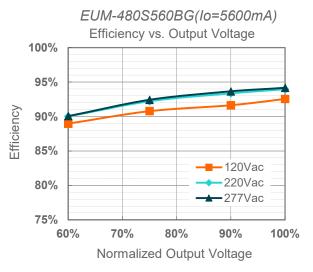
9/16

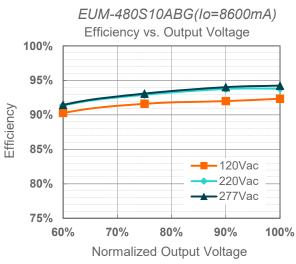
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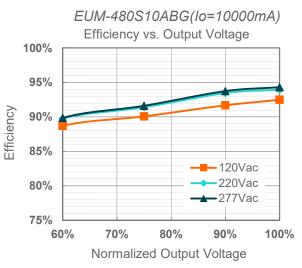
Rev.C

480W NFC Driver with DALI-2 and D4i

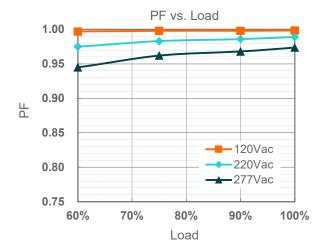








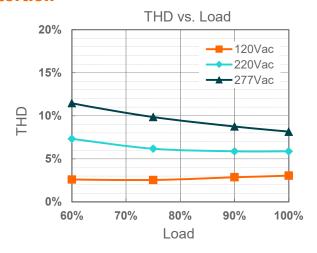
#### **Power Factor**



10/16

#### Rev.C

#### **Total Harmonic Distortion**



#### **Protection Functions**

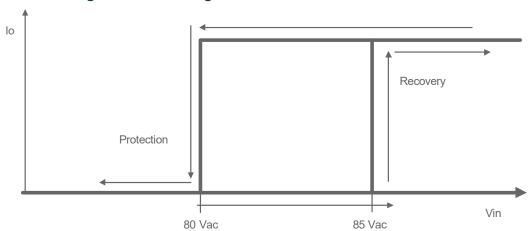
Par	ameter	Min.	Тур.	Max.	Notes				
	R1 (Start derating)	-	1.67 kΩ	-	The output current starts to decrease linearly when the actual NTC resistance value is lower than R1, until R2 is reached.				
External Thermal Protection	R2 (Stop derating)	-	1.27 kΩ	-	When the actual NTC resistance value is lower than R2, the output current will stay at the programmed Protection Current Floor.				
FIOLECTION	Protection	10%loset	20%loset	100%loset	10%loset > Iomin (default setting is 20%)				
	Current Setting Range	Iomin	20%loset	100%loset	10%loset ≤ lomin (default setting is 20%)				
Over Tempera	Over Temperature Protection		Decreases output current, returning to normal after over temperature is removed.						
Short Circuit P	Short Circuit Protection		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 output voltage at no load and in case 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	Over ge 310 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.				

**Note:** (1) The recommended NTC type is  $10k\Omega$  NTC, Murata NCP18XH103J03RB.

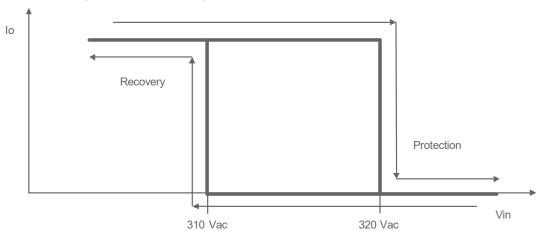
Rev.C

480W NFC Driver with DALI-2 and D4i

#### Input Under Voltage Protection Diagram



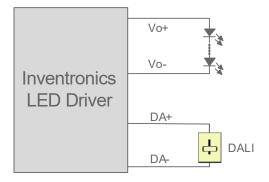
## Input Over Voltage Protection Diagram



## **Dimming**

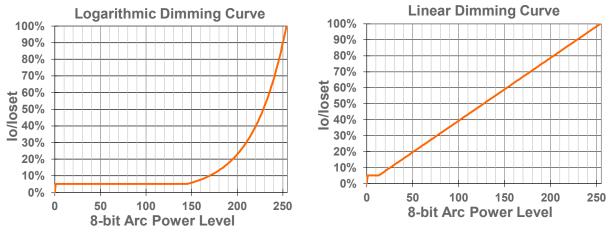
### DALI-2 Dimming

The recommended implementation of the dimming control is provided below.



12/16

Rev.C



Implementation: DALI-2 Dimming

#### 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.

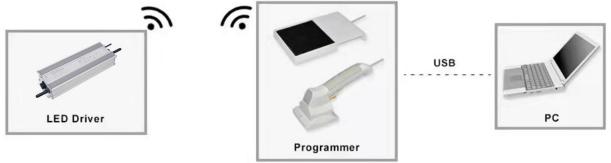
#### Output Lumen Compensation

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.

#### 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.

#### **Programming Connection Diagram**



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

## Please refer to <a href="PRG-NFC-H">PRG-NFC-H</a> or <a href="PRG-NFC-D2">PRG-NFC-D2</a> (Programmer) datasheet for details.

13/16

Specifications are subject to changes without notice.

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

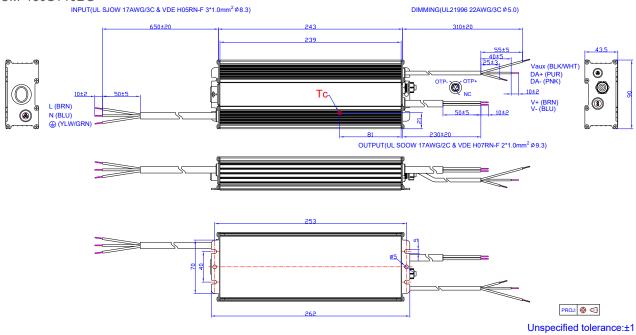
Tel: 86-571-56565800

Rev.C

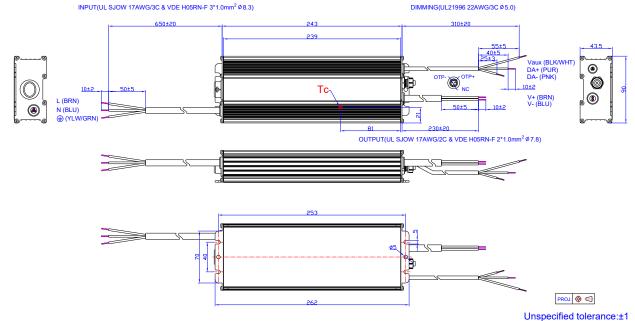
480W NFC Driver with DALI-2 and D4i

#### **Mechanical Outline**

EUM-480S140BG



#### EUM-480S280BG/EUM-480S420BG/EUM-480S560BG

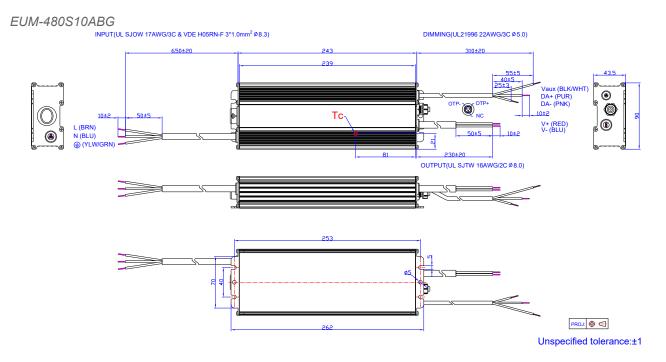


14/16

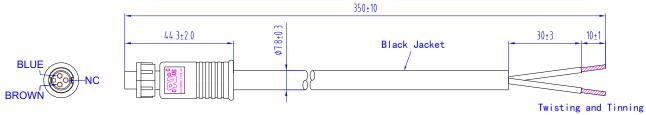
Fax: 86-571-86601139

Rev.C

480W NFC Driver with DALI-2 and D4i



## **Optional Cable Parts**CAB-OTPG



 The external thermal protection cable used for the EUM series drivers can be supplied by Inventronics, please contact the sales for ordering if necessary. For the details of cable, please refer to <u>CAB-OTPG</u> (Cable) datasheet.

## **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.

# inventronics

EUM-480SxxxBG

Rev.C

480W NFC Driver with DALI-2 and D4i

## **Revision History**

Change Date	Rev.	Description of Change		
		Item	From	То
2023-06-07	А	Datasheet Release	/	/
2023-11-15	В	Format	/	Updated
		KCC	/	Added
		Safety &EMC Compliance	/	Updated
		Inrush Current Waveform	/	Updated
2025-11-06	С	Product Photograph	/	Updated
		UKCA logo	/	Deleted
		Safety &EMC Compliance	/	Updated
		Inrush Current Waveform	/	Updated