#### **Features**

- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- Isolated 0-10V/PWM/3-Timer-Modes Dimmable
- INV Digital Dimming, UART Based Communication Protocol Compliant with T/CSA-051
- Dim-to-Off with Standby Power ≤ 0.5 W
- Always-on Auxiliary Power: 12Vdc, 250mA, 3W (Transient Peak Power up to 10W)
- Low Inrush Current
- Integrated Power Monitoring with High Accuracy up to  $\pm 1\%$
- **Output Lumen Compensation**
- End-of-Life Indicator
- Thermal Sensing and Protection for LED Module
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP
- IP66/IP67 and UL Dry/Damp/Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 7 Years Warranty





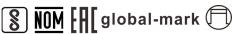












#### **Description**

The EUM-320SxxxLx series is a 320W, constant-current, NFC programmable and IP66/IP67 rated LED driver that operates from 90-305Vac input with excellent power factor. Created for smart lighting 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 0-10V dimming as well as two-way communication via Digital Dimming, a UART based communication protocol that complies with T/CSA-051. 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	Full-Power Current	Default Output	Input Voltage	Output Voltage	Max.	Typical Efficiency	Power	ical Factor	Model Number
Current Range	Range(1)	Current	Range(2)	Range	Power	(3)		220Vac	(5)
70-1050mA	700-1050mA	700 mA	90~305 Vac/ 127~300 Vdc	153~457Vdc	320 W	94.5%	0.99	0.96	EUM-320S105Lx
105-1500mA	1050-1500mA	1400 mA	90~305 Vac/ 127~300 Vdc	107~305Vdc	320 W	94.0%	0.99	0.96	EUM-320S150Lx
175-2500mA	1750-2500mA	2100 mA	90~305 Vac/ 127~300 Vdc	64~183 Vdc	320 W	94.0%	0.99	0.96	EUM-320S250Lx
285-5000mA	2850-5000mA	4900 mA	90~305 Vac/ 127~300 Vdc	32~112 Vdc	320 W	93.5%	0.99	0.96	EUM-320S500Lx <sup>(4)</sup>
535-7600mA	5350-7600mA	6700 mA	90~305 Vac/ 127~300 Vdc	21 ~ 60 Vdc	320 W	92.5%	0.99	0.96	EUM-320S760Lx <sup>(4)</sup>

1/19

Fax: 86-571-86601139

Specifications are subject to changes without notice.

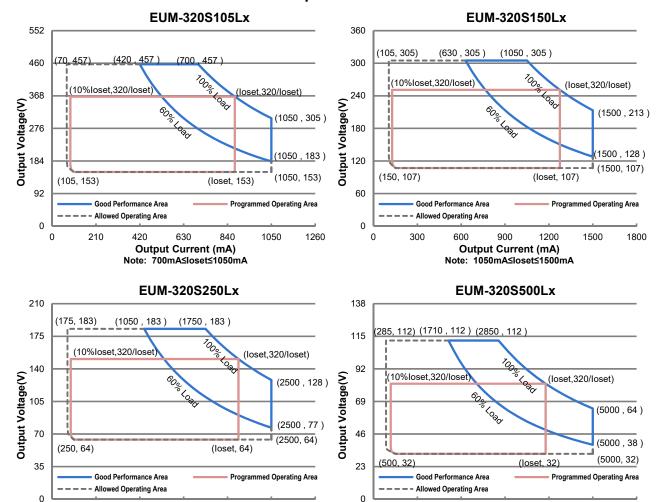
All specifications are typical at 25 ℃ unless otherwise stated.

Rev.D

Notes: (1) Output current range with constant power at 320W

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

## **I-V Operation Area**



3000

**Output Current (mA)** 

Note: 2850mA≤loset≤5000mA

4000

5000

6000

0

500

1500

**Output Current (mA)** 

Note: 1750mA≤loset≤2500mA

2500

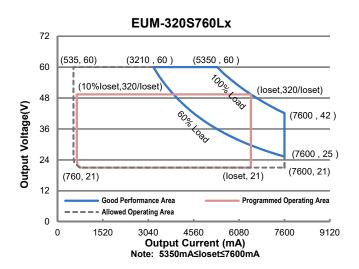
2000

3000

O

1000

Rev.D



**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	
Laskana Cumant	-	-	0.75 MIU	UL 8750; 277Vac/60Hz
Leakage Current	-	-	0.70 mA	IEC 60598-1; 240Vac/60Hz
In most A.C. Commont	-	-	3.35 A	Measured at 100% load and 120 Vac input.
Input AC Current	-	-	1.80 A	Measured at 100% load and 220 Vac input.
Inrush Current(I <sup>2</sup> t)	-	-	1.09 A <sup>2</sup> s	At 220Vac input, 25°C cold start, duration=7.84 ms, 10%lpk-10%lpk. See Inrush Current Waveform for the details.
PF	0.9	-	-	At 100-277Vac, 50-60Hz, 60%-100% Load
THD	-	-	20%	(192-320W)
THD	-	-	10%	At 220-240Vac, 50-60Hz, 75%-100% Load (240-320W)

**Output Specifications** 

Parameter	Min.	Тур.	Max.	Notes
Output Current Tolerance	-5%loset	-	5%loset	At 100% load condition
Output Current Setting(loset)				
Range				
EUM-320S105Lx	70 mA	-	1050 mA	
EUM-320S150Lx	105 mA	-	1500 mA	
EUM-320S250Lx	175 mA	-	2500 mA	
EUM-320S500Lx	285 mA	-	5000 mA	
EUM-320S760Lx	535 mA	-	7600 mA	



Rev.D

## **Output Specifications (Continued)**

Parameter	Min.	Тур.	Max.	Notes
Output Current Setting Range with Constant Power				
EUM-320S105Lx EUM-320S150Lx	700 mA 1050 mA	- -	1050 mA 1500 mA	
EUM-320S250Lx EUM-320S500Lx EUM-320S760Lx	1750 mA 2850 mA 5350 mA	- - -	2500 mA 5000 mA 7600 mA	
Total Output Current Ripple (pk-pk)	-	5%lomax	10%lomax	At 100% load condition. 20 MHz BW
Output Current Ripple at < 200 Hz (pk-pk)	-	2%lomax	-	At 100% load condition. Only this component of ripple is associated with visible flicker.
Startup Overshoot Current	-	-	10%lomax	At 100% load condition
No Load Output Voltage EUM-320S105Lx	-	-	550 V	
EUM-320S150Lx EUM-320S250Lx	-	-	380 V 230 V	
EUM-320S500Lx EUM-320S760Lx	-	-	120 V 70 V	
Line Regulation	-	-	±0.5%	Measured at 100% load
Load Regulation	-	-	±3.0%	
Turn-on Delay Time	-	-	0.5 s	120-277Vac input, 60%-100% 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 2.2 ms 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 1.3 ms in a 5.2ms period during which time the average should not exceed 250mA.

## **General Specifications**

General Opecinications						
Parameter		Min.	Тур.	Max.	Notes	
Efficiency at 120 V	ac input:					
EUM-320S105Lx	•					
	Io= 700 mA	90.0%	92.0%	-		
	Io=1050 mA	90.0%	92.0%	-		
EUM-320S150Lx						
	Io=1050 mA	90.0%	92.0%	-		
	Io=1500 mA	90.0%	92.0%	-	Measured at 100% load and steady-state	
EUM-320S250Lx					temperature in 25°C ambient;	
	Io=1750 mA	90.0%	92.0%	-	(Efficiency will be about 2.0% lower if	
	Io=2500 mA	90.0%	92.0%	-	measured immediately after startup.)	
EUM-320S500Lx					, , , , ,	
	Io=2850 mA	89.5%	91.5%	-		
	Io=5000 mA	88.0%	90.0%	-		
EUM-320S760Lx	EUM-320S760Lx					
	Io=5350 mA	88.5%	90.5%	-		
	Io=7600 mA	88.0%	90.0%	-		

4/19

Fax: 86-571-86601139

Specifications are subject to changes without notice.

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



Rev.D

## **General Specifications (Continued)**

General Opeci	,	<i>'</i>			
Parame	ter	Min.	Тур.	Max.	Notes
Efficiency at 220 V	ac input:				
EUM-320S105Lx	. 700 4	00.50/	0.4.50/		
	lo= 700 mA	92.5%	94.5% 94.5%	-	
EUM-320S150Lx	lo=1050 mA	92.5%	94.5%	-	
LOW-3203 130LX	lo=1050 mA	92.0%	94.0%	_	
	lo=1500 mA	92.0%	94.0%	_	Measured at 100% load and steady-state
EUM-320S250Lx					temperature in 25°C ambient;
	lo=1750 mA	92.0%	94.0%	-	(Efficiency will be about 2.0% lower if
	lo=2500 mA	92.0%	94.0%	-	measured immediately after startup.)
EUM-320S500Lx					
	lo=2850 mA	91.5%	93.5%	-	
EUM-320S760Lx	lo=5000 mA	90.0%	92.0%	-	
EUIVI-3203700LX	lo=5350 mA	90.5%	92.5%	_	
	lo=7600 mA	90.0%	92.0%	-	
Efficiency at 277 V		00.070	02.070		
EUM-320S105Lx	ao mpat.				
	Io= 700 mA	92.5%	94.5%	-	
	lo=1050 mA	92.5%	94.5%	-	
EUM-320S150Lx					
	lo=1050 mA	92.5%	94.5%	-	Management at 4000/ In advantage at a transfer at the
ELIM 0000050L	lo=1500 mA	92.5%	94.5%	-	Measured at 100% load and steady-state
EUM-320S250Lx	lo=1750 mA	92.5%	94.5%		temperature in 25°C ambient;
	lo=2500 mA	92.5%	94.5%	_	(Efficiency will be about 2.0% lower if measured immediately after startup.)
EUM-320S500Lx	10-2000 111/1	32.070	34.070		measured ininediately after startup.)
	lo=2850 mA	92.0%	94.0%	-	
	Io=5000 mA	90.5%	92.5%	-	
EUM-320S760Lx					
	lo=5350 mA	91.0%	93.0%	-	
	lo=7600 mA	90.0%	92.0%	-	
Power Monitoring A	Accuracy	-1%	-	1%	Measured at 220Vac input and 100%load
Standby Power		-	-	0.5 W	Measured at 230Vac/50Hz; Dimming off
			231,000		Measured at 220Vac input, 80%load and
MTBF		-	Hours	-	25°C ambient temperature (MIL-HDBK-
			Tiours		217F)
			112,000		Measured at 220Vac input, 80%load and
Lifetime		-	Hours	-	70°C case temperature; See lifetime vs.
0					Tc curve for the details
Operating Case Te	emperature	-40°C	-	+90°C	
for Safety Tc_s Operating Case Temperature					Case temperature for 7 years warranty
for Warranty Tc_w		-40°C	-	+75°C	Humidity: 10% RH to 95% RH
		4000		.05°0	
Storage Temperatu	ure	-40°C	-	+85°C	Humidity: 5%RH to 95%RH
Dimensions	- /1 14/ - 12	_	00 0 45 4 5	7.5	With mounting ear
	es (L × W × H)		.82 × 3.15 × 1.75		9.57 × 3.15 × 1.75
	rs (L × W × H)		224 × 80 × 44.5	)	243 × 80 × 44.5
Net Weight		-	1520 g	-	
1				i .	1



Rev.D

## **Dimming Specifications**

P	arameter	Min.	Тур.	Max.	Notes
Absolute Maximum Voltage on the Vdim (+) Pin		-20 V	-	20 V	
Source Curre	ent on Vdim (+)Pin	200 uA	300 uA	450 uA	Vdim(+) = 0 V
EUM-320S105Lx EUM-320S150Lx EUM-320S250Lx EUM-320S500Lx EUM-320S760Lx		10%loset	-	loset	700 mA ≤ loset ≤ 1050 mA 1050 mA ≤ loset ≤ 1500 mA 1750 mA ≤ loset ≤ 2500 mA 2850 mA ≤ loset ≤ 5000 mA 5350 mA ≤ loset ≤ 7600 mA
Output Range	EUM-320S105Lx EUM-320S150Lx EUM-320S250Lx EUM-320S500Lx EUM-320S760Lx	DLx 105 mA DLx 175 mA - loset DLx 285 mA		loset	70 mA ≤ loset < 700 mA 105 mA ≤ loset < 1050 mA 175 mA ≤ loset < 1750 mA 285 mA ≤ loset < 2850 mA 535 mA ≤ loset < 5350 mA
Recommend Range	led Dimming Input	0 V	-	10 V	
Dim off Volta	Dim off Voltage		0.5 V	0.65 V	Default 0.40V dimensing mode
Dim on Voltage		0.55 V	0.7 V	0.85 V	Default 0-10V dimming mode.
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	y Cycle	1%	-	99%	
PWM Dimmi Logic)	ng off (Positive	3%	5%	8%	Dimming mode set to PWM in Inventronics Programing software.
	ng on (Positive	5%	7%	10%	s sinos i rogianing contraio.
	PWM Dimming off ( Negative		95%	97%	
	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	EN 61347-1, EN 61347-2-13
UKCA	BS EN 61347-1, BS EN 61347-2-13 BS EN 301 489-1 BS EN 301 489-3 BS EN 300 330 BS EN 62479/BS EN 50663/BS EN 50665/BS EN 50364



Rev I

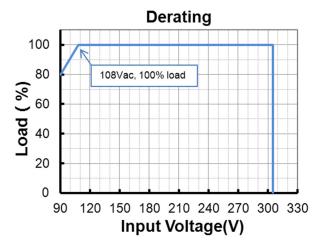
**Safety & EMC Compliance (Continued)** 

Safety Category	Standard
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
PSE	J 61347-1, J 61347-2-13
KC	K 61347-1, K 61347-2-13
BIS	IS 15885(Part2/Sec13)
NOM	NOM-058-SCFI
EAC	TP TC 004, TP TC 020
global-mark	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/KN 15 <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
	ANOI COU.4 Class D
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.
FCC Part 15 <sup>(1)</sup> EMS Standards	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
	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	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.  Notes
EMS Standards BS EN/EN 61000-4-2	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.  Notes  Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge
EMS Standards  BS EN/EN 61000-4-2  BS EN/EN 61000-4-3	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.  Notes  Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge  Radio-Frequency Electromagnetic Field Susceptibility Test-RS
EMS Standards  BS EN/EN 61000-4-2  BS EN/EN 61000-4-3  BS EN/EN 61000-4-4	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.  Notes  Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge  Radio-Frequency Electromagnetic Field Susceptibility Test-RS  Electrical Fast Transient / Burst-EFT
EMS Standards  BS EN/EN 61000-4-2  BS EN/EN 61000-4-3  BS EN/EN 61000-4-4  BS EN/EN 61000-4-5	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.  Notes  Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge  Radio-Frequency Electromagnetic Field Susceptibility Test-RS  Electrical Fast Transient / Burst-EFT  Surge Immunity Test: AC Power Line: Differential Mode 6 kV, Common Mode 10 kV
EMS Standards  BS EN/EN 61000-4-2  BS EN/EN 61000-4-3  BS EN/EN 61000-4-4  BS EN/EN 61000-4-5  BS EN/EN 61000-4-6	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.  Notes  Electrostatic Discharge (ESD): 8 kV air discharge, 4 kV contact discharge  Radio-Frequency Electromagnetic Field Susceptibility Test-RS  Electrical Fast Transient / Burst-EFT  Surge Immunity Test: AC Power Line: Differential Mode 6 kV, Common Mode 10 kV  Conducted Radio Frequency Disturbances Test-CS

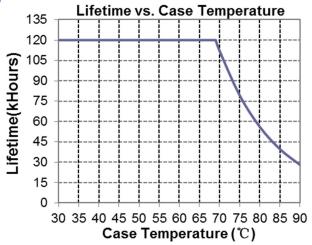
Rev.D

**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.

## **Derating**

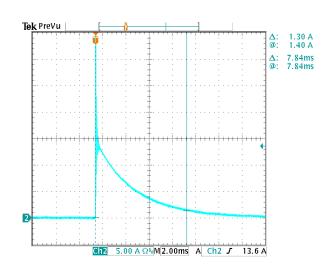


## Lifetime vs. Case Temperature

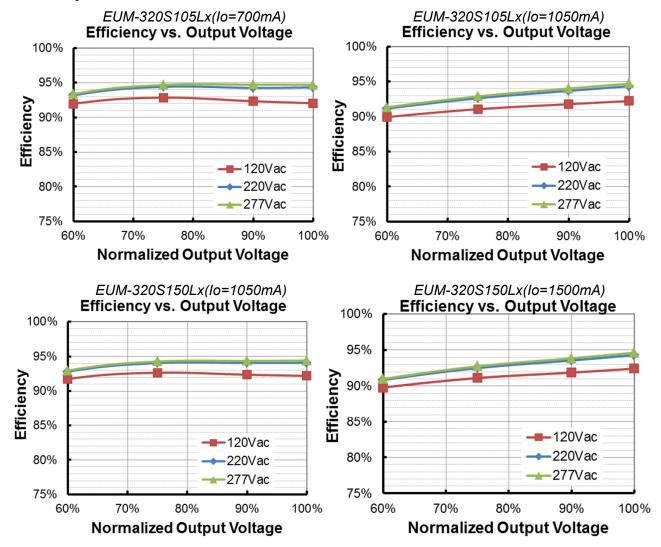


**INVENTRONICS** 

## **Inrush Current Waveform**

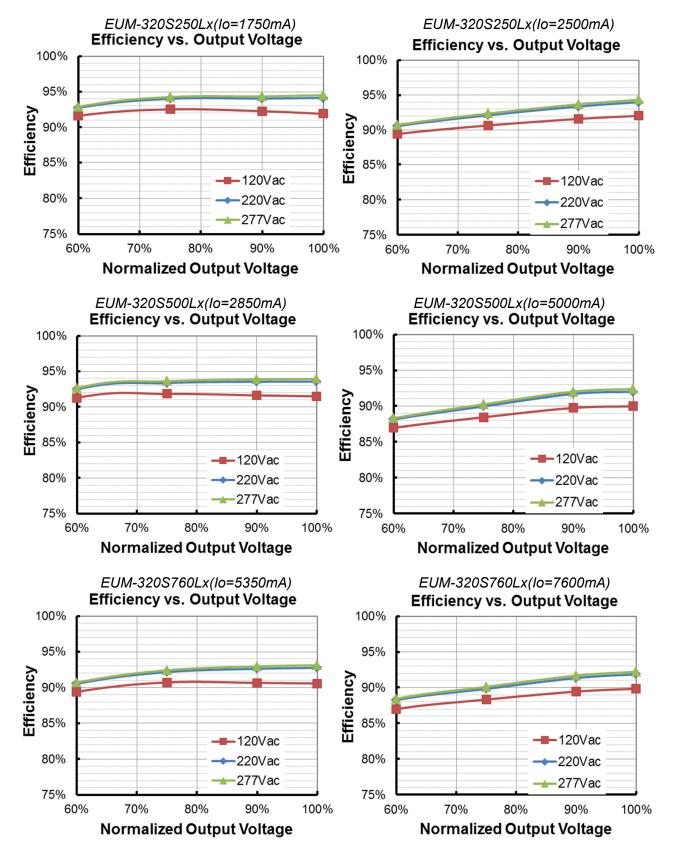


## Efficiency vs. Load



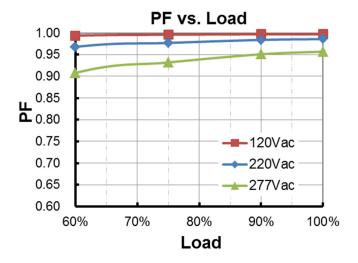
9/19

Rev.D

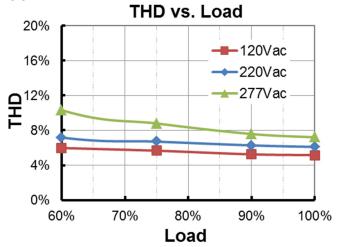


**INVENTRONICS** 

### **Power Factor**



## **Total Harmonic Distortion**



#### **Protection Functions**

1 Totalian Tanadana							
Parameter		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.		
1 1010011011	Protection Current Setting Range	10%loset	20%loset	100%loset	10%loset > Iomin (default setting is 20%)		
		Iomin	20%loset	100%loset	10%loset ≤ lomin (default setting is 20%)		
Over Voltage P	Protection	Limits output voltage at no load and in case the normal voltage limit fails.					
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 Temperat	ture Protection	Decreases output current, returning to normal after over temperature is removed.					

11/19

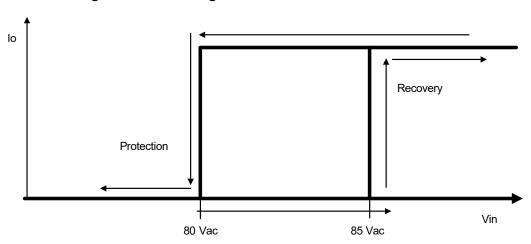
Rev.D

## **Protection Functions (Continued)**

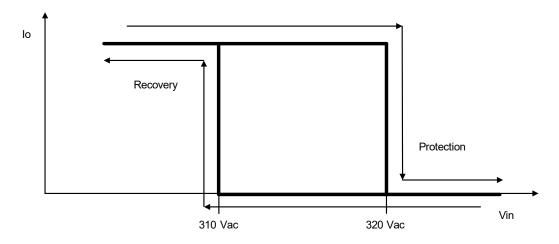
Parameter		Min.	Тур.	Max.	Notes
Input Under Voltage	Input Under Voltage Protection	70 Vac	80 Vac	90 Vac	Turn off the output when the input voltage falls below protection voltage.
Protection (IUVP)	Input Under Voltage Recovery	75 Vac	85 Vac	95 Vac	Auto Recovery. The driver will restart when the input voltage exceeds recovery voltage.
Innut Over	Input Over Voltage Protection	310 Vac	320 Vac	330 Vac	Turn off the output when the input voltage exceeds protection voltage.
Input Over Voltage Protection	Input Over Voltage Recovery	300 Vac	310 Vac	320 Vac	Auto Recovery. The driver will restart when the input voltage falls below recovery voltage.
(IOVP)	Max. of Input Over Voltage		-	350 Vac	The driver can survive stabilized input over voltage conditions up to 350Vac for a total of 8 hours.

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

## Input Under Voltage Protection Diagram



## Input Over Voltage Protection Diagram



12/19

Fax: 86-571-86601139

Specifications are subject to changes without notice.

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

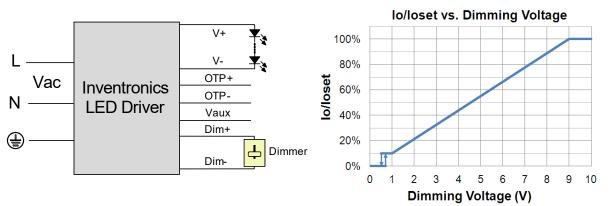
INVENTR®NICS



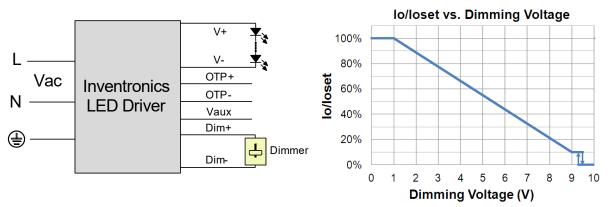
## **Dimming**

#### 0-10V Dimming

The recommended implementation of the dimming control is provided below.



Implementation 1: Positive logic



Implementation 2: Negative logic

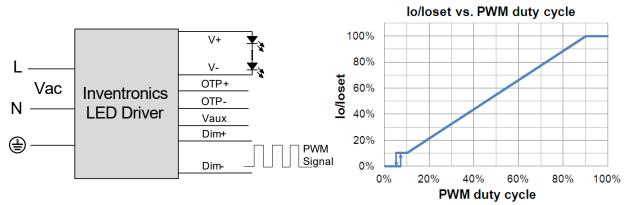
#### Notes:

- 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 0-10V negative logic dimming mode and Dim+ is open, the driver will dim to off and be standby.

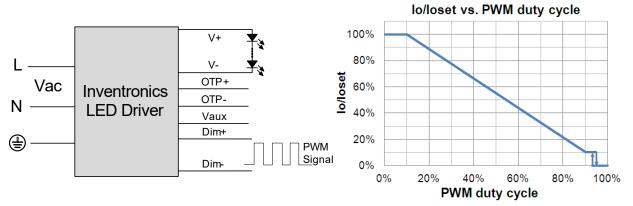
#### PWM Dimming

The recommended implementation of the dimming control is provided below.

INVENTR®NICS



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.

#### 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.</li>
- **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.

14/19

Rev.D

#### 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 and is compliant with T/CSA-051 standard. Please refer to <a href="Inventronics Digital">Inventronics Digital</a> <a href="Dimming">Dimming</a> file for details.

## **Programming Connection Diagram**

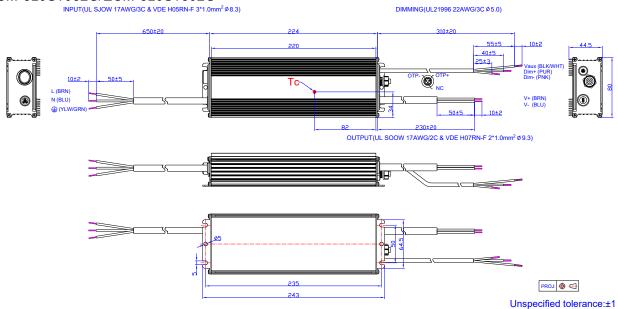


**Note:** The driver does not need to be powered on during the programming process.

Please refer to PRG-NFC-H or PRG-NFC-D2 (Programmer) datasheet for details.

#### **Mechanical Outline**

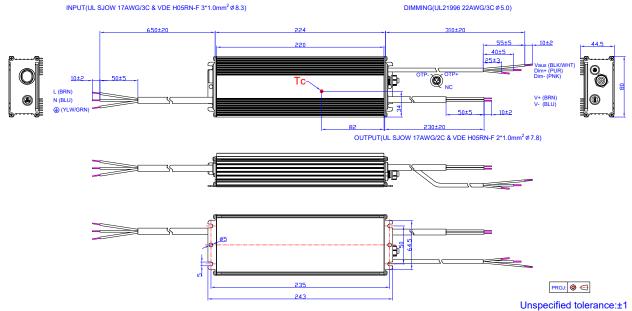
EUM-320S105LG/EUM-320S150LG



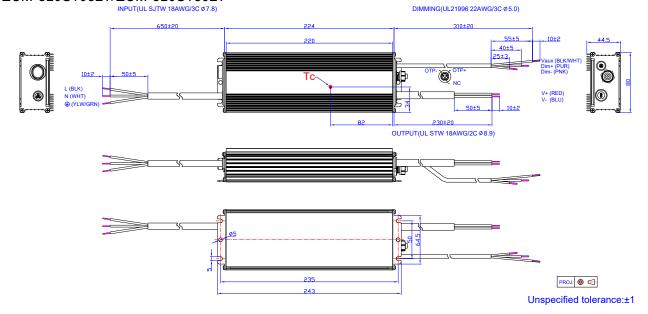
15/19

Rev.D

## EUM-320S250LG/EUM-320S500LG/EUM-320S760LG

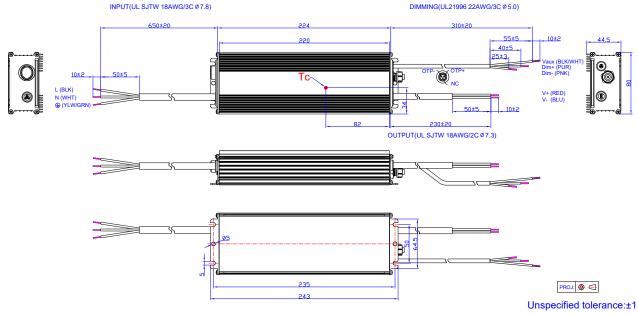


#### EUM-320S105LT/EUM-320S150LT

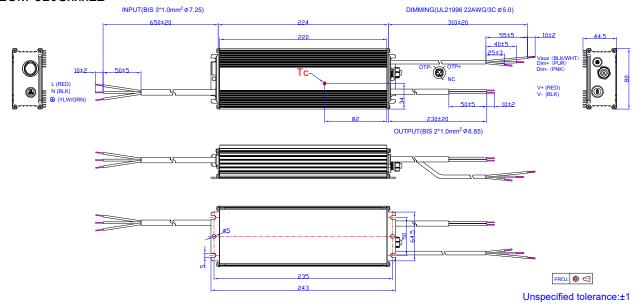


Rev.D

### EUM-320S250LT/EUM-320S500LT/EUM-320S760LT



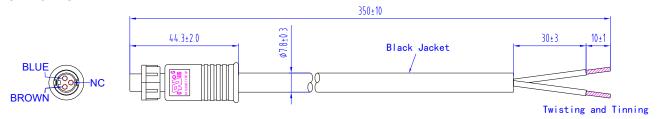
#### EUM-320SxxxLB



Rev.D

320W NFC Driver with INV Digital Dimming

# **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 <a href="CAB-OTPG">CAB-OTPG</a> (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.





Rev.D

## **Revision History**

IXE VISIOII I				
Change	Rev.	De	escription of Change	
Date Rev.		Item	From	То
2021-03-12	Α	Datasheet Release	/	1
		KS	/	Deleted
2021-03-19	В	Features	Low Inrush Current	Added
		No Load Output Voltage	/	Updated
		UKCA/EAC/global-mark logo	/	Added
2022-02-18	С	Safety &EMC Compliance	/	Updated
		Mechanical Outline	/	Updated
		Product Photograph	1	Updated
		NOM logo	/	Added
2023-07-18	D	Safety &EMC Compliance	/	Updated
2023-07-16	D	Dimming	/	Updated
		Programming Connection Diagram	/	Updated
		Mechanical Outline	/	Updated