Features

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

















Description

The EUM-150SxxxMx series is a 150W, constant-current, programmable and IP66/IP67 rated LED driver that operates from 90-305Vac input with excellent power factor. Created for smart lighting application, this family provides 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. 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	Output Voltage	Max. Output	Typical Efficiency	Typ Power	ical Factor	Model Number
Current Range(mA)	Range(mA) ⁽¹⁾	Current(mA)		Power(W)	(2)	120Vac	220Vac	(3)(5)(6)
70-1050	700-1050	700	72-214	150	93.5%	0.99	0.96	EUM-150S105Mx
105-1500	1050-1500	1050	50-143	150	93.0%	0.99	0.96	EUM-150S150Mx
140-2100	1400-2100	1400	36-107	150	92.5%	0.99	0.96	EUM-150S210Mx ⁽⁴⁾
280-4200	2800-4200	3150	18-54	150	91.5%	0.99	0.96	EUM-150S420Mx ⁽⁴⁾

Notes: (1) Output current range with constant power at 150W

- (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) 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.
- (6) All the models are certificated to BIS, except EUM-150S210MB.

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Fax: 86-571-86601139

Specifications are subject to changes without notice.

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

EUM-150SxxxMx

120

100

80

60

40

20

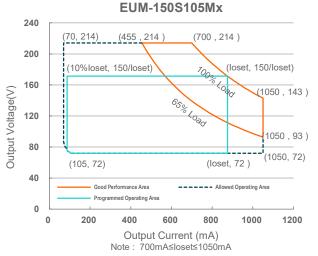
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Output Voltage(V)

Rev.E

I-V Operation Area



EUM-150S150Mx 168 (105, 143) (683 , 143) (1050, 143) 140 (10%loset, 150/loset (loset, 150/loset) 112 65° (Ody 1500,100) 84 (1500,65) 56 (1500, 50)(150, 50) (loset, 50) 28 Programmed Operating Area 0 0 300 600 900 1200 1500 1800

EUM-150S210Mx (910, 107) (1400, 107) (loset, 150/loset) (10%loset, 150/loset)

(loset, 36)

---- Allowed Operating Area

2000

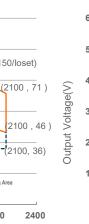
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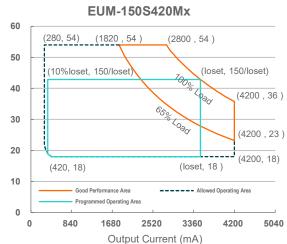
650/0000

1200

Output Current (mA)

Note: 1400mA≤loset≤2100mA





Note: 2800mA≤loset≤4200mA

Output Current (mA)

Note: 1050mA≤loset≤1500mA

Input Specifications

(140, 107)

(210, 36)

400

Programmed Operating Area

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 Cument	-	-	0.75 MIU	UL 8750; 277Vac/60Hz	
Leakage Current	-	- 0.70 m/		IEC 60598-1; 240Vac/60Hz	
In must A C Cumpant	-	-	1.61 A	Measured at 100% load and 120 Vac input.	
Input AC Current	-	-	0.86 A	Measured at 100% load and 220 Vac inpu	
Inrush Current(I ² t)	-	-	3.49 A ² s	At 220Vac input, 25°C cold start, duration=244 µs, 10%lpk-10%lpk.	

EUM-150SxxxMx

Rev.E

150W Programmable Driver with INV Digital Dimming

Input Specifications (Continued)

Parameter	Min.	Тур.	Max.	Notes
PF	0.9	-	-	At 100-277Vac, 50-60Hz, 65%-100%load
THD	-	-	20%	(97.5-150W)
THD	-	-	10%	At 220-240Vac, 50-60Hz, 75%-100%load (112.5-150W)

Output Specifications

Parameter	Min.	Тур.	Max.	Notes
Output Current Tolerance	-5%loset	-	5%loset	At 100% load condition
Output Current Setting(loset) Range				
EUM-150S105Mx EUM-150S150Mx EUM-150S210Mx EUM-150S420Mx	70 mA 105 mA 140 mA 280 mA	- - -	1050 mA 1500 mA 2100 mA 4200 mA	
Output Current Setting Range with Constant Power EUM-150S105Mx EUM-150S150Mx EUM-150S210Mx EUM-150S420Mx	700 mA 1050 mA 1400 mA 2800 mA	- - -	1050 mA 1500 mA 2100 mA 4200 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-150S105Mx EUM-150S150Mx EUM-150S210Mx EUM-150S420Mx	- - - -	- - - -	270 V 180 V 120 V 70 V	
Line Regulation	-	-	±0.5%	Measured at 100% load
Load Regulation	-	-	±3.0%	
Turn-on Delay Time	-	-	0.5 s	Measured at 120-277Vac input, 65%-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.

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Rev.E

150W Programmable Driver with INV Digital Dimming

General Specifications

Efficiency at 120 Vac input: EUM-150S105Mx lo= 700 mA lo=1050 mA 89.0% lo=1050 mA 80.5% lo=1050 mA lo=200 mA lo=200 mA lo=200 mA lo=1050 mA lo=	Parameter		Min.	Тур.	Max.	Notes
EUM-150S105Mx	Efficiency at 120 V	ac input:				
Total		ao iripat.				
EUM-150S150Mx					-	
Lord Same	FI IN 4 4500 450N4	Io=1050 mA	89.5%	91.5%	-	
Lol-150S	EUM-150S150MX	Io=1050 mA	99 50/-	00 5%		
Location					_	
EUM-150S420MX	EUM-150S210Mx					
EUM-150S420MX lo=2800 mA lo=2800 mA lo=2800 mA lo=1050 mA lo=2800 mA lo=2800 mA lo=1050 mA lo=1500 mA lo=2800 mA lo=2800 mA lo=1500 mA lo=2800 mA lo=2100 mA lo=310 m					-	measured immediately after startup.)
Increase	FUM-150S420My	10=2100 mA	88.0%	90.0%	-	
Company Comp	LOW-1000-20WX	Io=2800 mA	87.5%	89.5%	_	
EUM-150S105MX lo= 700 mA lo= 700 mA lo= 1050 mA lo= 1050 mA lo= 1500 mA lo= 15				89.0%	-	
Io= 700 mA 91.0% 93.0% -		ac input:				
Care	EUM-150S105MX	lo= 700 mΛ	01.0%	03 0%		
EUM-150S150MX					_	
Care 1950 mA 191.0% 93.0% 92.5% 1 195.0%	EUM-150S150Mx					Measured at 100% load and steady-state
EUM-150S210MX					-	
Comparison Com	ELIM 1509210My	lo=1500 mA	91.0%	93.0%	-	
Comparison Com	EOIVI-1303210IVIX	Io=1400 mA	90.5%	92.5%	_	measured immediately after startup.)
Io=2800 mA Io=2800 mA Io=2800 mA Io=2000 mA Io=2000 mA Io=2000 mA Io=2000 mA Io=2000 mA Io=1050 mA Io=1050 mA Io=1050 mA Io=1050 mA Io=1050 mA Io=1050 mA Io=1500 mA Io=1500 mA Io=1500 mA Io=2100 mA Io=2100 mA Io=2100 mA Io=2400 mA Io=					-	
Deciding Case Temperature for Safety Tc s	EUM-150S420Mx					
Efficiency at 277 Vac input: EUM-150S105Mx lo= 700 mA lo=1050 mA lo=1050 mA lo=1050 mA lo=1050 mA lo=1050 mA lo=1500 mA lo=1050 mA lo=1050 mA lo=1050 mA lo=1050 mA lo=1050 mA lo=1050 mA lo=2100 mA lo=2100 mA lo=2100 mA lo=200 mA lo=200 mA lo=200 mA lo=200 mA lo=200 mA lo=200 mA lo=4200 mA lo=					-	
EUM-150S105Mx	Efficiency at 277 V		69.0%	91.0%		
Composition		ao iripat.				
EUM-150S150Mx					-	
Comparing Case Temperature for Safety Tc_s Operating Case Temperature for Safety Tc_s Operating Case Temperature for Safety Tc_s Operating Case Temperature Operating Case Temperatu	FUM 4F0C4F0M	Io=1050 mA	91.5%	93.5%	-	
Continue	EUM-1505150MX	Io=1050 mA	91.0%	93.0%	_	
EUM-150S210Mx					_	
EUM-150S420Mx Io=2100 mA 91.0% 93.0% -	EUM-150S210Mx					
EUM-150S420Mx					-	illeasured illillediately after startup.)
Standby Power 92.0% 91.5% -	FLIM-150S/20My	10=2100 MA	91.0%	93.0%	-	
Standby Power 0.5 W Measured at 230Vac/50Hz; Dimming off MTBF - 287,000 Hours - Measured at 220Vac input, 80%load and 25°C ambient temperature (MIL-HDBK-217F) Lifetime - 104,000 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 Operating Case Temperature for Warranty Tc_w Storage Temperature -40°C - +80°C Case temperature for 5 years warranty Humidity: 10% RH to 95% RH Dimensions Inches (L × W × H) Standby Power - 0.5 W Measured at 220Vac input, 80%load and 70°C case temperature; See lifetime vs. Tc curve for the details -40°C - +90°C Case temperature for 5 years warranty Humidity: 10% RH to 95% RH With mounting ear 7.01 × 2.66 × 1.44	LOW-1000-20WX	Io=2800 mA	90.0%	92.0%	_	
MTBF - 287,000 Hours - 104,000 Hours - 104,00 Hours - 104,000 Hours - 104,000 Hours - 104,000 Hours - 104,000		Io=4200 mA		91.5%	-	
MTBF - 25°C ambient temperature (MIL-HDBK-217F) Lifetime - 104,000 Hours - 104,000 Hours - 40°C Operating Case Temperature for Safety Tc_s -40°C - 40°C - 480°C Case temperature for Safety Tc_s Humidity: 10% RH to 95% RH Storage Temperature Other in the perature (MIL-HDBK-217F) Measured at 220Vac input, 80%load and 70°C case temperature; See lifetime vs. Tc curve for the details Hours -40°C - 480°C With mounting ear 7.01 × 2.66 × 1.44	Standby Power		-	-	0.5 W	Measured at 230Vac/50Hz; Dimming off
Hours - Hou				287 000		Measured at 220Vac input, 80%load and
Lifetime - 104,000 Hours - 100,000 Hou	MTBF		-		-	
Lifetime - 104,000 Hours - 70°C case temperature; See lifetime vs. Tc curve for the details Operating Case Temperature for Safety Tc_s Operating Case Temperature for Safety Tc_s Operating Case Temperature for Warranty Tc_w Storage Temperature -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) 6.34 × 2.66 × 1.44 With mounting ear 7.01 × 2.66 × 1.44						
Operating Case Temperature for Safety Tc s Operating Case Temperature for Safety Tc s Operating Case Temperature for Warranty Tc w Storage Temperature Inches (L × W × H) Operating Case Temperature -40°C - +80°C Case temperature for 5 years warranty Humidity: 10% RH to 95% RH Humidity: 5%RH to 95%RH With mounting ear 7.01 × 2.66 × 1.44	Lifetime		_		_	
for Safety Tc_s Operating Case Temperature for Warranty Tc_w Storage Temperature -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 With mounting ear 7.01 × 2.66 × 1.44	Linearrie			Hours		
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 With mounting ear 7.01 × 2.66 × 1.44		mperature	-40°C	-	+90°C	
Storage Temperature -40°C - +85°C Humidity: 5%RH to 95%RH Dimensions With mounting ear 7.01 × 2.66 × 1.44	Operating Case Temperature		-40°C	-	+80°C	
Inches (L × W × H) 6.34 × 2.66 × 1.44 7.01 × 2.66 × 1.44	Storage Temperature		-40°C	-	+85°C	
Inches (L × W × H) 6.34 × 2.66 × 1.44 7.01 × 2.66 × 1.44						
	Inches (L × W × H)					7.01 × 2.66 × 1.44
Net Weight - 790 g -	Net Weiaht		-	790 a	_	

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Rev.E

Dimming Specifications

Parameter		Min.	Тур.	Max.	Notes
Absolute Mathe Vdim (+	aximum Voltage on) Pin	-20 V	-	20 V	
Source Cur	rent on Vdim (+)Pin	200 µA	300 µA	450 µA	Vdim(+) = 0 V
Dimming Output	EUM-150S105Mx EUM-150S150Mx EUM-150S210Mx EUM-150S420Mx	10%loset	-	loset	700 mA ≤ loset ≤ 1050 mA 1050 mA ≤ loset ≤ 1500 mA 1400 mA ≤ loset ≤ 2100 mA 2800 mA ≤ loset ≤ 4200 mA
Range	EUM-150S105Mx EUM-150S150Mx EUM-150S210Mx EUM-150S420Mx	70 mA 105 mA 140 mA 280 mA	-	loset	70 mA ≤ loset < 700 mA 105 mA ≤ loset < 1050 mA 140 mA ≤ loset < 1400 mA 280 mA ≤ loset < 2800 mA
Recommen Range	ded Dimming Input	0 V	-	10 V	
Dim off Volt	age	0.35 V	0.5 V	0.65 V	Default 0.40\/ dimension made
Dim on Volt	age	0.55 V	0.7 V	0.85 V	Default 0-10V dimming mode.
Hysteresis		-	0.2 V	-	
PWM_in Hi	gh Level	3 V	-	10 V	
PWM_in Lo	w Level	-0.3 V	-	0.6 V	
PWM_in Fr	equency Range	200 Hz	-	3 KHz	
PWM_in Du	ıty Cycle	1%	-	99%	
PWM Dimm	PWM Dimming off (Positive		5%	8%	Dimming mode set to PWM in Inventronics Programing software.
	PWM Dimming on (Positive		7%	10%	Throng only of the state of the
	PWM Dimming off (Negative		95%	97%	
	PWM Dimming on (Negative		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
СВ	IEC 61347-1, IEC 61347-2-13
CCC	GB 19510.1, GB 19510.14
PSE	J 61347-1, J 61347-2-13
KS	KS C 7655
BIS	IS 15885(Part2/Sec13)

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Fax: 86-571-86601139

Specifications are subject to changes without notice.

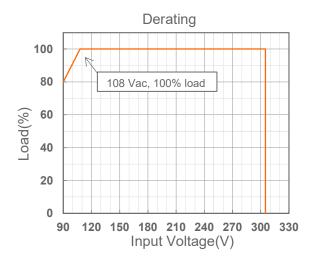
Rev.E

Safety & EMC Compliance (Continued)

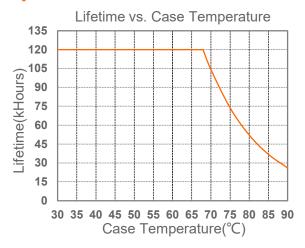
Safety Category	Standard				
NOM	NOM-058-SCFI				
EAC	TP TC 004, TP TC 020				
SAA	AS/NZS 61347.1, AS/NZS 61347.2.13				
Performance	Standard				
ENEC	EN IEC 62384				
EMI Standards	Notes				
EN IEC 55015/GB/T 17743/KS C 9815 ⁽¹⁾	Conducted emission Test &Radiated emission Test				
EN IEC 61000-3-2/GB 17625.1	Harmonic current emissions				
EN 61000-3-3	Voltage fluctuations & flicker				
	ANSI C63.4 Class B				
FCC Part 15 ⁽¹⁾	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				

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.

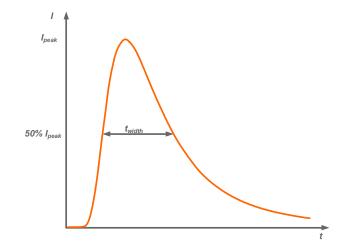
Derating



Lifetime vs. Case Temperature



Inrush Current Waveform



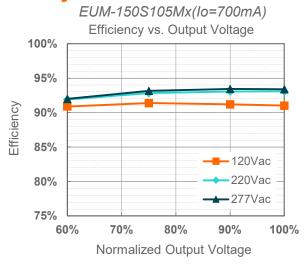
Input AC Voltage	I _{peak}	t _{width} (@ 50% Ipeak)		
120Vac	74.0 A	108 µs		
220Vac	138 A	108 µs		
277Vac	172 A	112 µs		

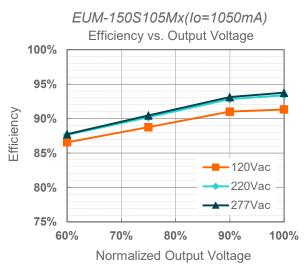
Rev.E

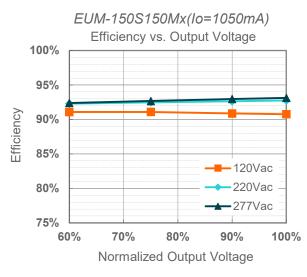
Inrush Current Waveform (Continued)

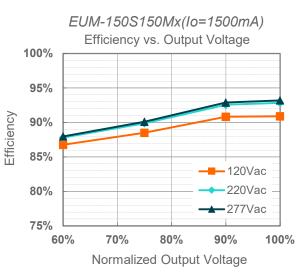
MCB	Tripping Curves	В	В	В	В	С	С	С	С
	Rated Current	10A	16A	20A	25A	10A	16A	20A	25A
The Number of	120	4	7	8	10	5	8	10	12
The Number of LED Driver can be Configured	220	5	8	10	13	8	14	17	22
	277	4	6	8	10	7	11	14	17

Efficiency vs. Load





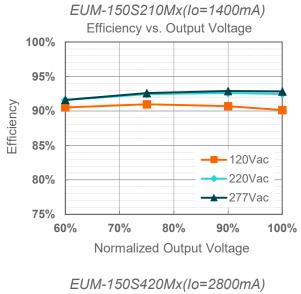


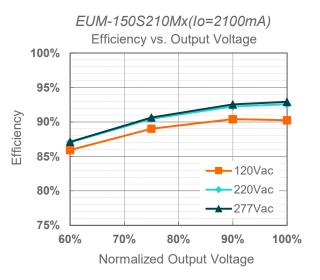


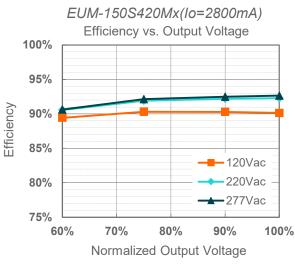
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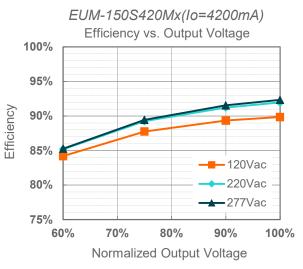
Rev.E

150W Programmable Driver with INV Digital Dimming

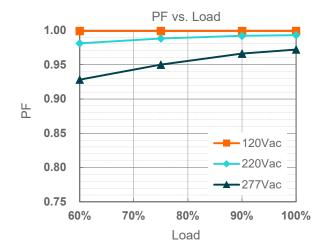




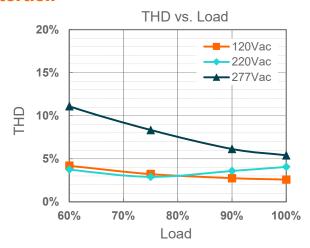




Power Factor



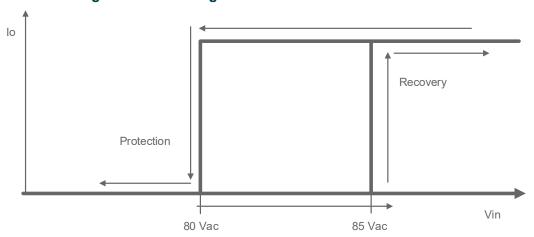
Total Harmonic Distortion



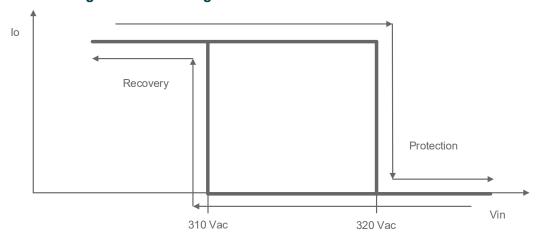
Protection Functions

Parameter		Min.	Тур.	Max.	Notes				
Over Voltage F	Protection	Limits outpu	Limits output voltage at no load and in case the normal voltage limit fails.						
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 Tempera	ture Protection	Decreases of	output current,	returning to n	ormal after over temperature is removed.				
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 (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 stabilized input over voltage conditions up to 350Vac for a total of 8 hours.				

Input Under Voltage Protection Diagram



Input Over Voltage Protection Diagram

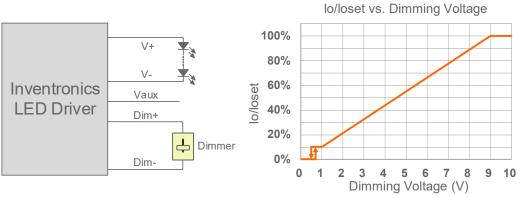


Dimming

0-10V Dimming

The recommended implementation of the dimming control is provided below.

Tel: 86-571-56565800



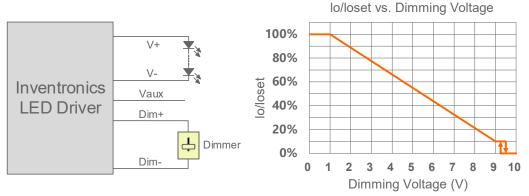
Implementation 1: Positive logic

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

Rev.E

150W Programmable Driver with INV Digital Dimming



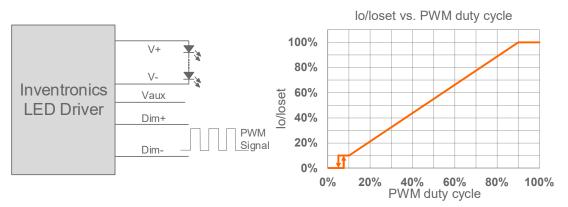
Implementation 2: Negative logic

Notes:

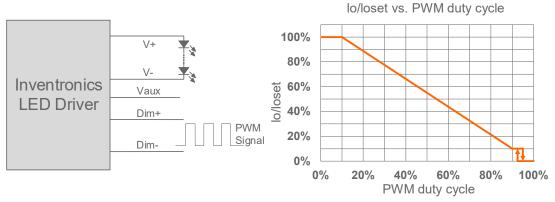
- 1. Do NOT connect Dim- to the output V- or V+, otherwise the driver will not work properly.
- 2. The dimmer can also be replaced by an active 0-10V voltage source signal or passive components like zener.
- 3. When 0-10V negative logic dimming mode and Dim+ is open, the driver will dim to off and be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

PWM Dimming

The recommended implementation of the dimming control is provided below.



Implementation 3: Positive logic



Implementation 4: Negative logic

EUM-150SxxxMx

Rev.E

150W Programmable Driver with INV Digital Dimming

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.
- **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.

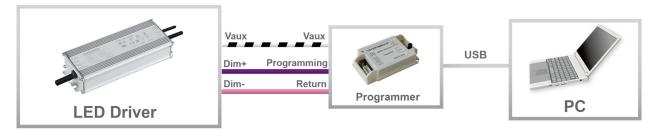
End Of Life

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.

Digital Dimming

Inventronics Digital Dimming is a UART (Universal Asynchronous Receive Transmitter) based communication protocol. Please refer to Inventronics Digital Dimming 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.

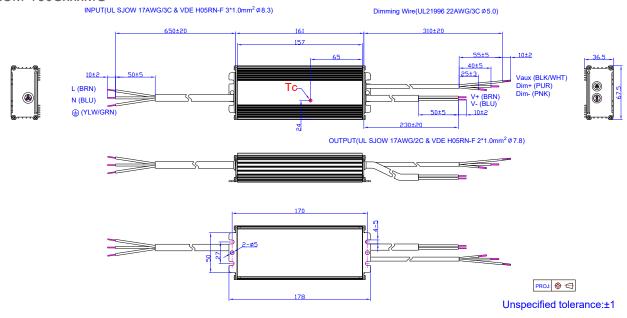
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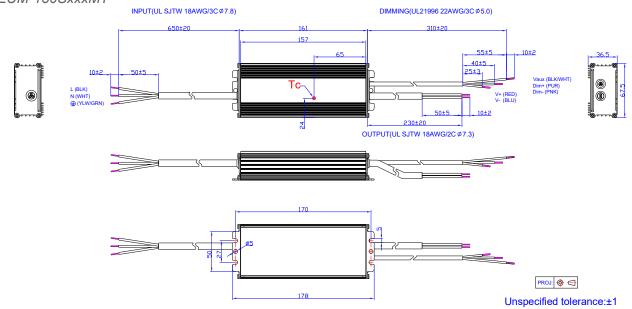
150W Programmable Driver with INV Digital Dimming

Mechanical Outline

EUM-150SxxxMG



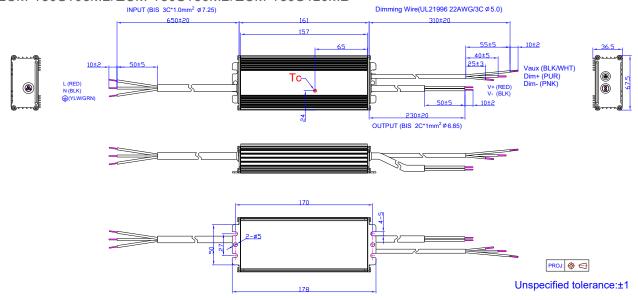
EUM-150SxxxMT



Rev.E

150W Programmable Driver with INV Digital Dimming

EUM-150S105MB/EUM-150S150MB/EUM-150S420MB



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-150SxxxMx

Rev.E

150W Programmable Driver with INV Digital Dimming

Revision History

Change	Rev.		escription of Change				
Date	Rev.	Item	From	То			
2020-12-07	Α	Datasheet Release	/	/			
2021-05-21	В	NOM Logo	/	Added			
2021-05-21	Ь	Safety & EMC Compliance	/	Updated			
		UKCA logo	/	Added			
		EAC logo	/	Added			
2021-10-28	С	Safety & EMC Compliance	UKCA	Added			
2021-10-20		Safety & EMC Compliance	EAC	Added			
		Programming Connection Diagram	EUM-150SxxxMT	Updated			
		Mechanical Outline	/	Updated			
		Product Photograph	/	Updated			
		SAA logo	/	Added			
2023-07-14	_	Safety &EMC Compliance	/	Updated			
2023-07-14	D	Dimming	/	Updated			
		Programming Connection Diagram	/	Updated			
		Mechanical Outline	/	Updated			
		Format	/	Updated			
		Product Photograph	/	Updated			
		UKCA logo	/	Deleted			
2024 44 20	F	BIS logo	/	Added			
2024-11-26		Models	Notes(5)(6)	Updated			
		Safety &EMC Compliance	/	Updated			
		Inrush Current Waveform	/	Updated			
		Mechanical Outline	/	Updated			