Electrical Specification for **LEXC100W3200CALRP-1C**

Outdoor CC LED Driver

Approval Marks

CE

	Item	Value	Remark
Input	Nominal voltage	220–240V	
	Nominal frequency	50–60Hz	
	AC voltage range	198–264V	
	DC voltage range (start)	NA	
	DC voltage range (operation)	NA	
	Nominal current	700mA	Full load @220VAC
	Total Harmonic Distortion (THD)	< 13%	Full load @230VAC
	Power factor	0.96	Full load @230VAC
	Displacement factor	0.96	Full load @230VAC
	Efficiency	88% (Typ.)	Full load 46V/2.2A @230VAC
	No-load power	NA	
	Stand-by power	NA	
	Protection class	I	Suitable for class I luminaires test with analog luminaires
	Inrush current	75 A / 500 µs	
	Earth leakage current	< 0.7mA	
Output	Nominal voltage range		
	Full power voltage range	32-56Vdc	Full load 100W
	Derating power voltage range	22-56Vdc	22-32V Derating use.
	Maximum voltage	60Vdc	
	Nominal current range		
	Full power current range	1780-3200mA	56V/1780mA-32V/3150mA
	Derating power current range	1600-3200mA	
	Current accuracy	± 5%	Full load @230VAC
	Typical output LF current ripple	10%	Low Frequency< 120Hz Full load @230VAC , Peak to Average
	Nominal power range	35.2-100W	
	Maximum power	100W	
Dimming	Dimming control	0-10V / PWM / Resistor Dim	Resistor 10K-100Kohm
	Dimming technique	Amplitude	
	PWM frequency	1K-2KHz	
	Dimming range	10% Iomax-100% Ioset	
	Lowest dimming current	5-15%	
	Galvanic isolation	Reinforced insulated to PRI and supplementary insulated to SEC	

	Item	Value	Remark
Environment	Ambient temperature range t_a	-40°C...+60°C	
	Maximum case temperature t_c	90°C	
	Max. case temp. in fault condition	110°C	When operating under fault conditions, the temperature of the enclosure at any location should not exceed 110 °C
	Storage temperature range	-40°C…+90°C	
	Relative humidity	5%…95%	
	Surge transient protection	6KV , 10KV	L/N , L-PE/N-PE
	Environmental rating	Outdoor	
	IP rating	IP67	
	Mains switching cycles	> 100,000	
	Expected lifetime	> 62,000 h, tc 72 °C,80% Load 5 Years > 115000 h, tc 60 °C ,80% Load	0.16 % / 1,000 h failure rate 0.09 % / 1,000 h failure rate
Packing	Gross weight/box	10.96 Kg	
	Net weight/box	10.22 Kg	
	Pcs/box	14 PCS	
	Dimension/box	500(L)*390(W)*170(H)mm	

Protections

Short- & open circuit proof, Auto. overheat regulation or cut off, Overload protection

Conformity & Standards

Safety standard:	EN 62493, EN 61347
Performance:	EN 62384
EMC standard:	EN 55015, EN 61000-3-2, EN 61547,EN 61000-3-3

Cable information

PRI	Connection	L	N	PE
	Color	Brown	Blue	Yellow/Green
	Wire type	H05RN-F	H05RN-F	H05RN-F
	Wire diameter	AWG18	AWG18	AWG18
	Wire length	450mm	450mm	450mm
	Stripping	6mm	6mm	6mm
	Tolerance	±10mm	±10mm	±10mm

Sec	Connection	+	-
	Color	Brown	Blue
	Wire type	H05RN-F	H05RN-F
	Wire diameter	AWG18	AWG18
	Wire length	250mm	250mm
	Strip length	6mm	6mm
	Tolerance	±10mm	±10mm

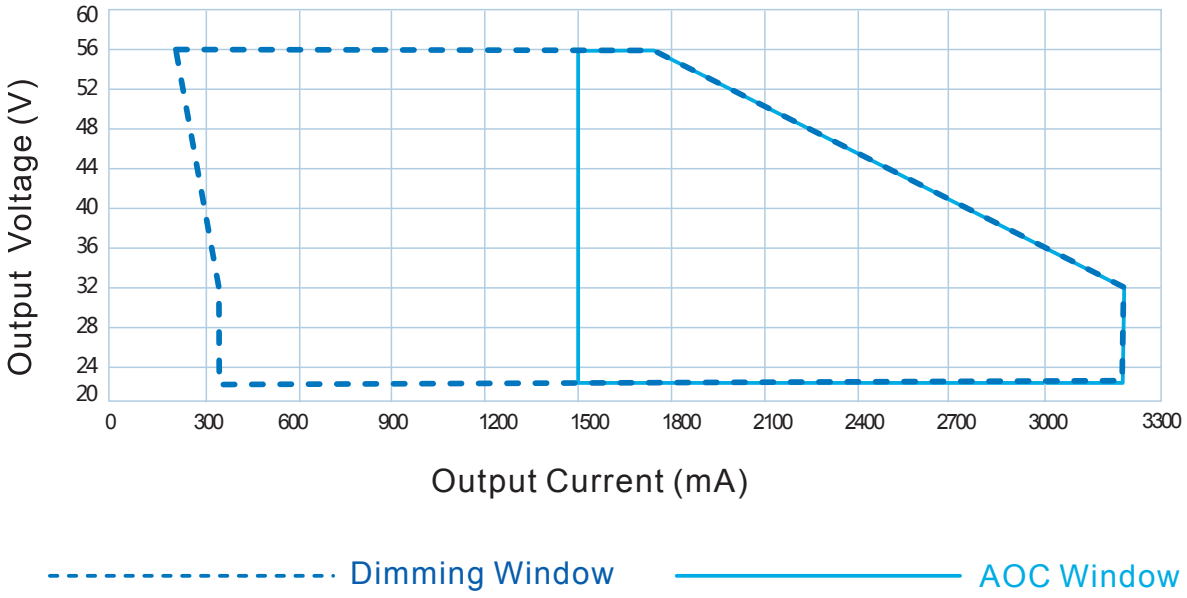
0-10V/PWM/Resistor Dim

Color	Brown	Blue
Wire type	H05RN-F	H05RN-F
Wire diameter	AWG18	AWG18
Wire length	220mm	220mm
Stripping	6mm	6mm
Tolerance	±10mm	±10mm

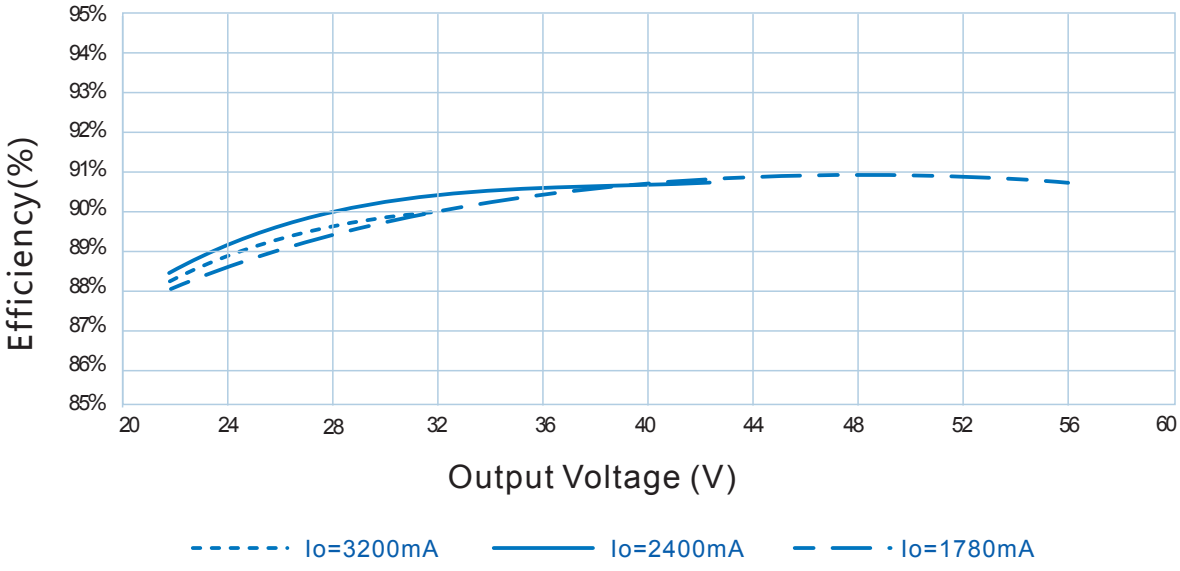
* If not mentioned, all the test conditions are based on full load at 230VAC input (for 220-240 VAC input).

Subject to change without notice, HEP guarantees all products perform functionally well

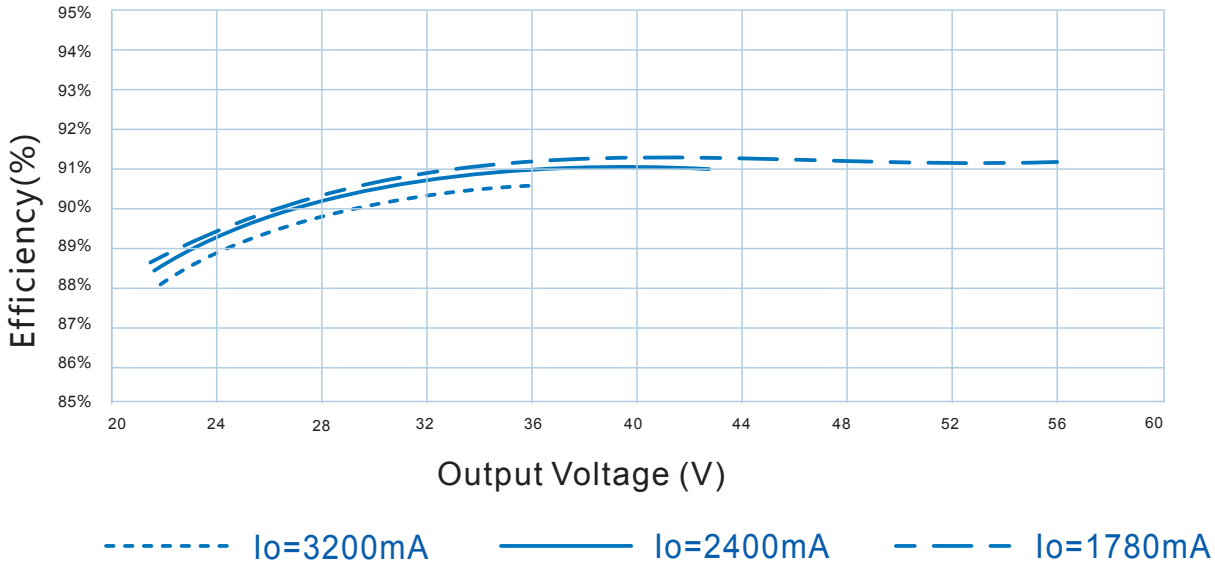
Output Voltage Vs. Output Current(Dim/AOC Window)



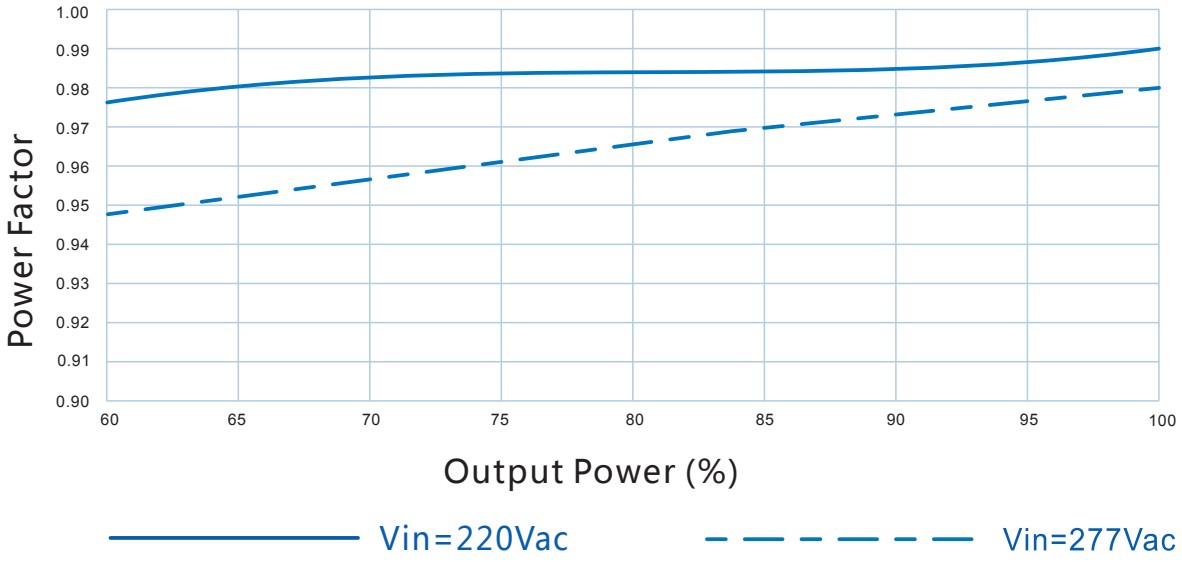
Efficiency Vs. Output Voltage (Vin=220Vac)



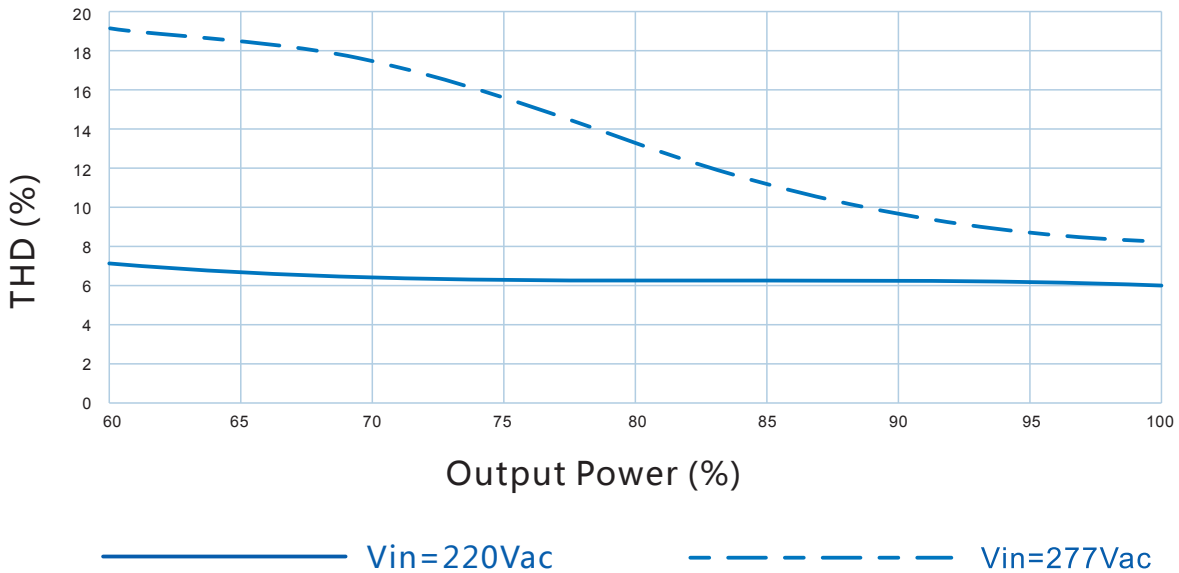
Efficiency Vs. Output Voltage (Vin=277Vac)



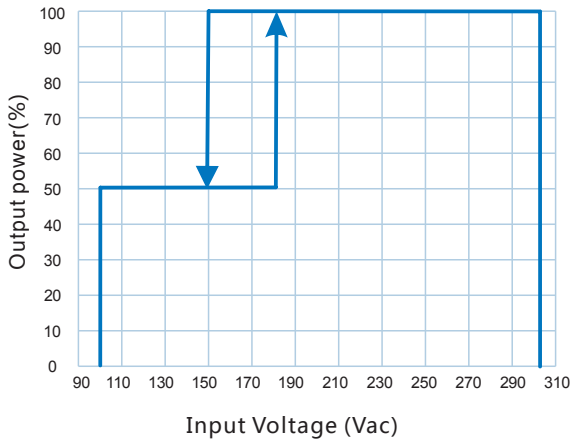
Power Factor Vs. Output Power



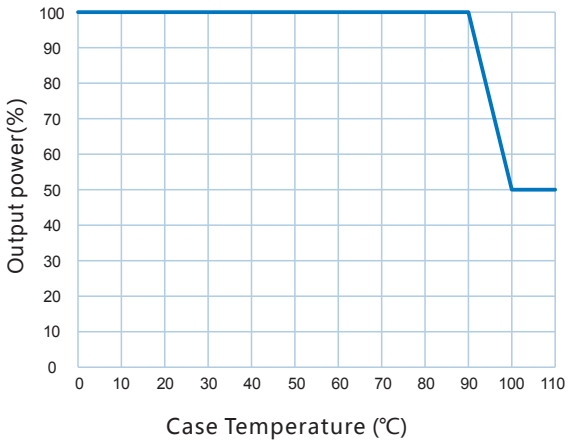
THD Vs. Output Power



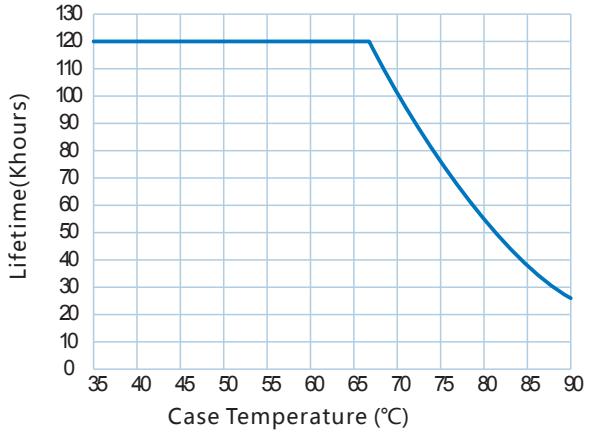
Output power vs. Input Voltage (Ta Max.60℃)



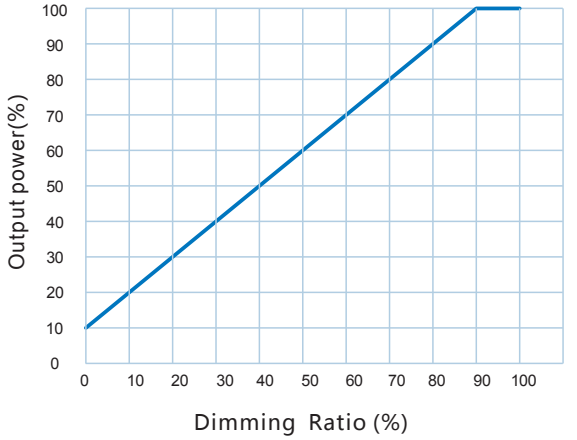
Output power vs. Case Temperature



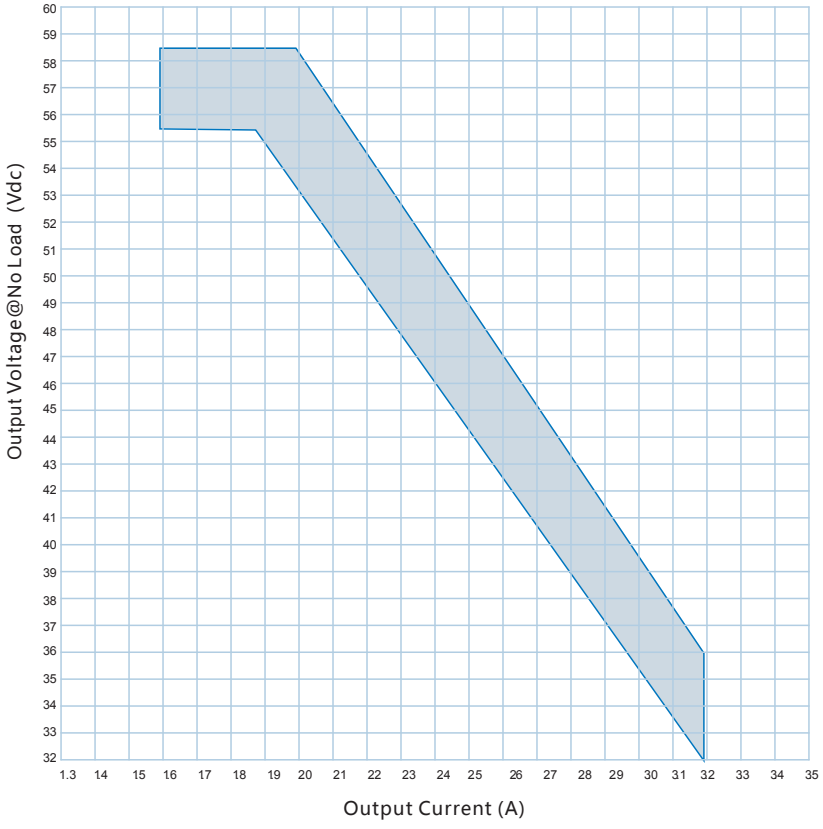
Lifetime vs. Case Temperature



Output power vs. Dimming

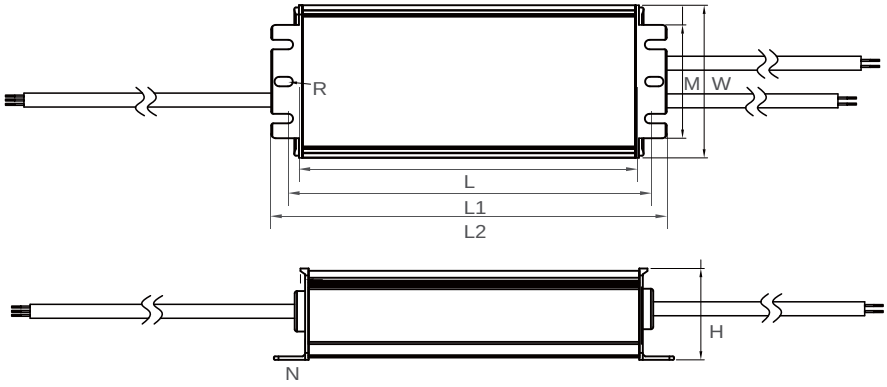


No load voltage VS. Output current



Tc Point location

Physical Parameter



L :	147	mm	W :	66	mm	H :	35.5	mm
L1 :	156.2	mm	M :	49	mm	R :	4.1	mm
L2 :	171	mm						

Tolerance : ≥ +/-1 mm
Housing Material ： Metal

Wiring Diagram