

## Feature & Application



- Constant Power design with **adjustable output current** level by potentiometer
- Built-in active PFC function
- Universal AC input / Full range up to 305Vac
- Protections: Short circuit / Over current / Over voltage / Over temperature
- Cooling by free air convection
- Thermal protection
- Surge immunity: Dif. Mode: 4kV, Comm. Mode: 6kV
- High efficiency
- Dimming 2in1: 0...10V, PWM ( model GLTP-240M)
- IP65 design for indoor and outdoor appliances
- 5 Years warranty
- Industrial LED lighting



## MODEL INFORMATION

Model Number	Output Power (W)	Output Current (A) (adjustable range )		Output Voltage (V) range		Default output spec.		Efficiency (%)	No Load Output Voltage Max (V)	Protection against Electric Shock
		min	max	min	max	Voltage (V)	Current (A)			
GLTP-200V036 GLTP-200M036	200	5,55	7,14	14	36	36	5,56	91	50	SELV
GLTP-200V062 GLTP-200M062	200	3,23	4,76	21	62	54	3,70	92	80	Isolating
GLTP-200V285 GLTP-200M285	200	0,70	1.05	95	285	285	0,70	93	300	Isolating

## MODEL INFORMATION GLTP-200XY

GLTP	-200	X	Y
Circular LED Driver	Output power (W)	V – no dimming M – dimming 2 in 1 (1..10V & PWM)	<b>036</b> - max output voltage is 36V <b>062</b> – max output voltage is 62V <b>285</b> – max output voltage is 285V

## ELECTRICAL SPECIFICATION

MODEL	GLTP-200V036 GLTP-200M036	GLTP-200V062 GLTP-200M062	GLTP-200V285 GLTP-200M285
<b>OUTPUT</b>			
<b>Voltage Range</b>	14V...36V	21V...62V	95V...285V
<b>Current Adjustable Range</b>	5,55A...7,14A	3,23A...4,76A	0,7A...1,05A
<b>Rated Power</b>	200W		
<b>Line Regulation</b>	< 1%		
<b>Load Regulation</b>	< 3%		
<b>Tolerance [1]</b>	± 5%		

<b>Ripple &amp; Noise <math>V_{p-p}</math></b>	<1% $U_{out}$
<b>Setup time</b>	<500ms

## INPUT

<b>Voltage Range</b>	90 ÷ 305VAC		
<b>Frequency Range</b>	47 ÷ 63Hz		
<b>Efficiency (typ.)</b>	91%	92%	92%
<b>AC current (max.)</b>	3.0A		
<b>Power Factor (typ.)</b>	0.98@115VAC 100% load; 0.96@ 230Vac Load: 85% ÷ 100%		
<b>Inrush current</b>	75A @ 230Vac		
<b>Leakage current (max.)</b>	0.75mA / 230VAC		

## PROTECTIONS

<b>Short Circuit</b>	Recovers automatically after fault condition is removed , input power under short condition is <15W
<b>Over Temperature</b>	When the temp of power supply is over 85°C output current is limited up to 20%

## WORKING ENVIRONMENT

<b>Working Temperature</b>	40°C ÷ +60°C , max $T_{CASE}$ = +85°C
<b>Working Humidity</b>	20 ÷ 95% RH non-condensing
<b>Storage Temperature and Humidity</b>	-40°C ÷ 85°C, 10 ÷ 95% RH non-condensing

## SAFETY AND EMC REGULATIONS

<b>Safety Standards</b>	EU: Compliance to EN61347-1, EN61347-2-13; America: UL8750 Canada: CSA C22.2 No.1017.1-01
<b>Withstand Voltage</b>	IN/OUT: 3.75kVAC; IN/GND(CASE): 2.0kVAC; OUT/GND(CASE): 0.5kVAC
<b>Isolation Resistance</b>	IN/OUT:50M $\Omega$ /500VDC/25°C/70%
<b>Grounding Resistance</b>	<0,1 $\Omega$ @25°C/25A/60s
<b>EMC Emission</b>	Compliance to EN 55015
<b>EMC Immunity</b>	Compliance to EN 61547; IEC 61000-4-2, -3, -4, -5, -6, -8, -11
<b>Harmonic Current</b>	Compliance to EN61000-3-3; EN61000-3-2 class C

## OTHERS

<b>MTBF</b>	> 200 000 hours according to MIL-HDBK-217F ( $U_{IN}$ = 110VAC; load: 80%, $T_A$ = 25°C)
<b>Lifetime</b>	50 000 hours ( $U_{IN}$ = 230VAC; load: 80%, $T$ < 45°C)
<b>Dimensions</b>	$\Phi$ 130/66.5mm (DxH)
<b>Weight</b>	1.6kg/pcs
<b>Vibration</b>	10..500Hz 1.0G 1Hr each of the perpendicular X,Y,Z axes

1. Tolerance contains factory set up tolerance, line regulation and load regulation.

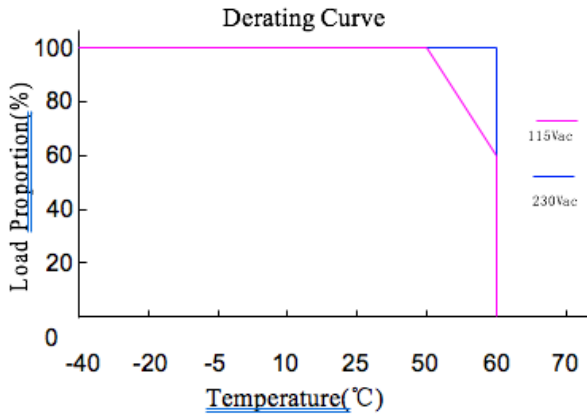
2. Power supply is considered as component not intended to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-qualified to comply with EMC Directives & LVD Directive.



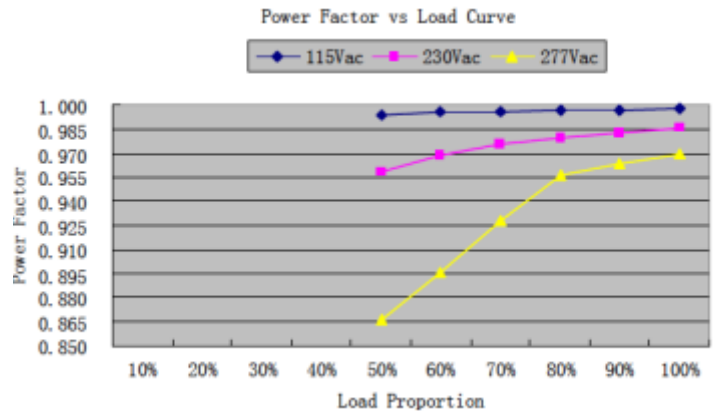
## **GLTP-200 circular series**

*200W Constant Current LED Driver with PFC function*

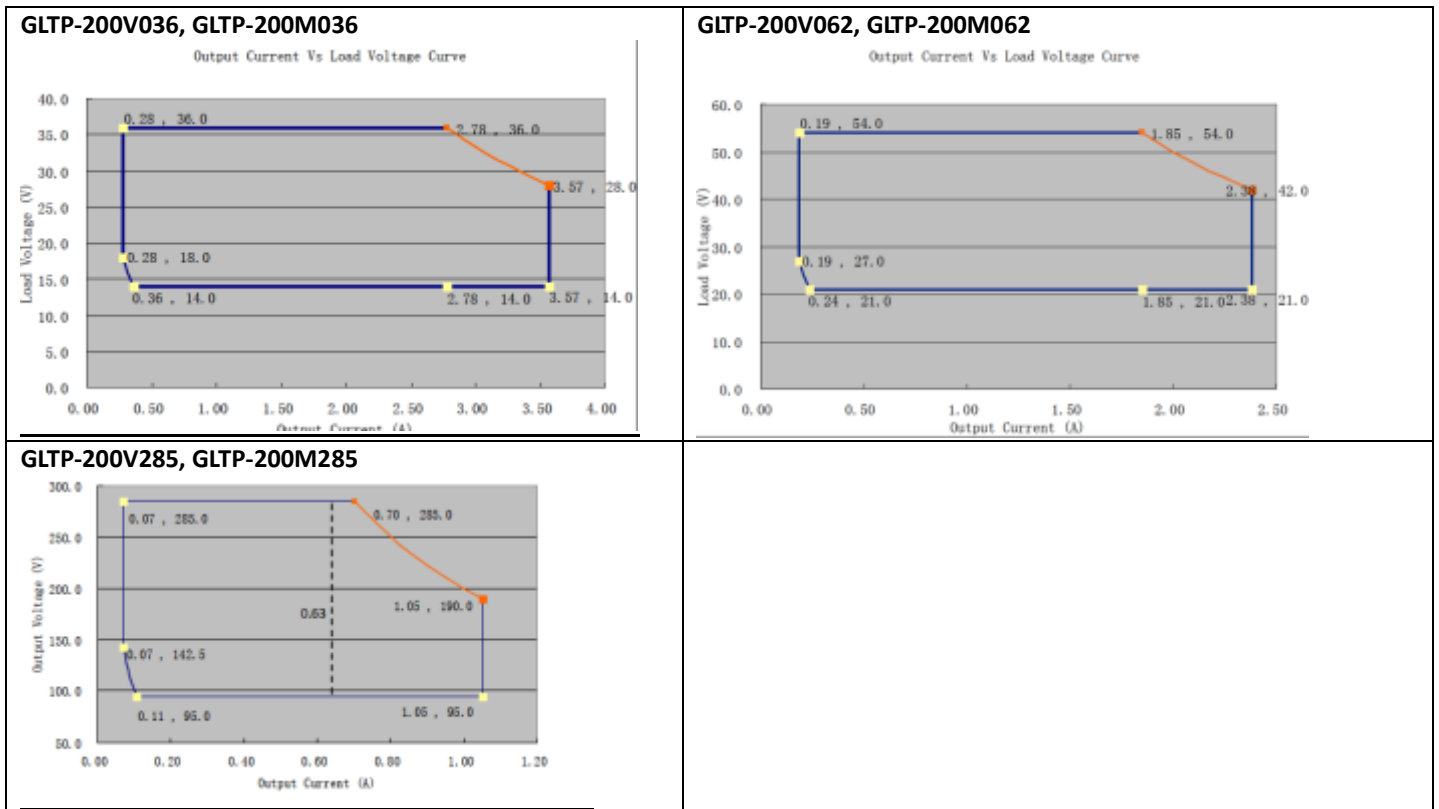
**DERATING CURVE**



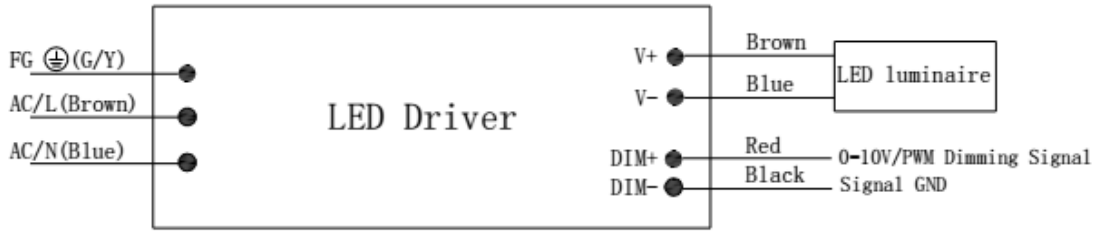
**POWER FACTOR vs. LOAD POWER CURVE**



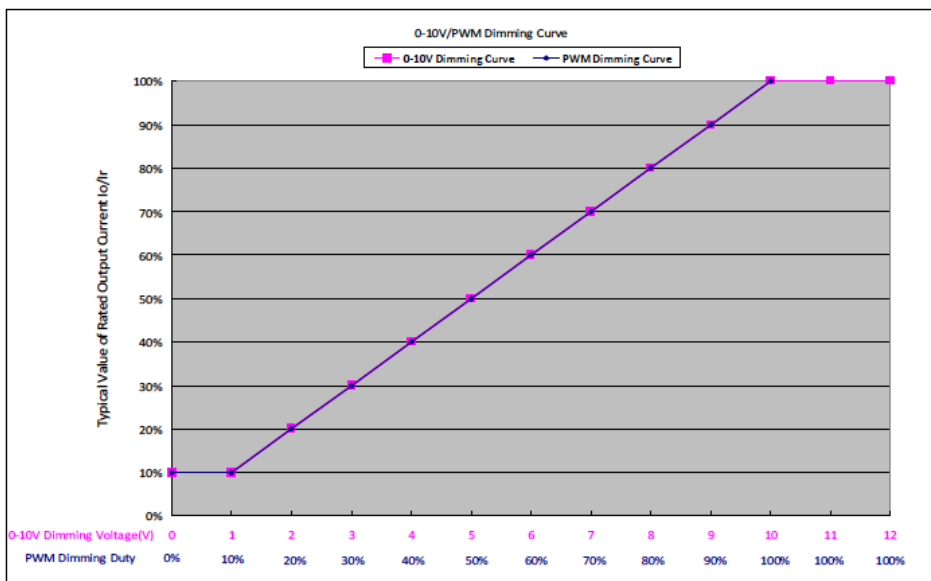
**OUTPUT CURRENT vs LOAD VOLTAGE CURVE**



## DEFINE OF INTERFACE

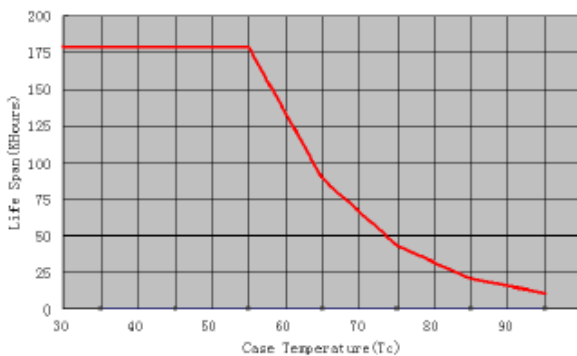


## DIMMING CURVE

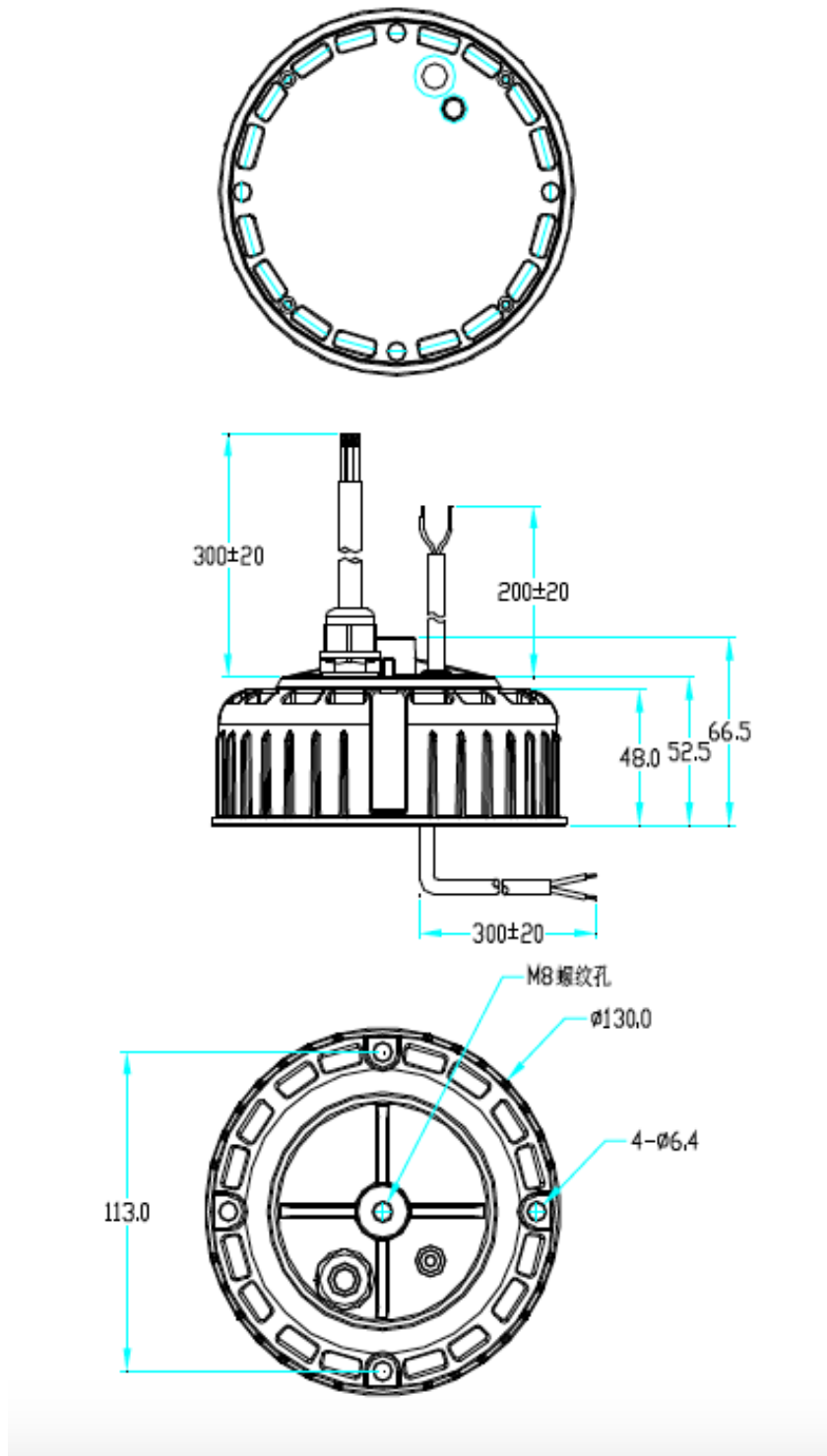


## LIFE TIME QUALIFICATION

The life time is at least 50kHrs @ temperature under 70C



**MECHANICAL SPECIFICATION**



**OPTIONAL MOUNTING ACCESORIES**

