

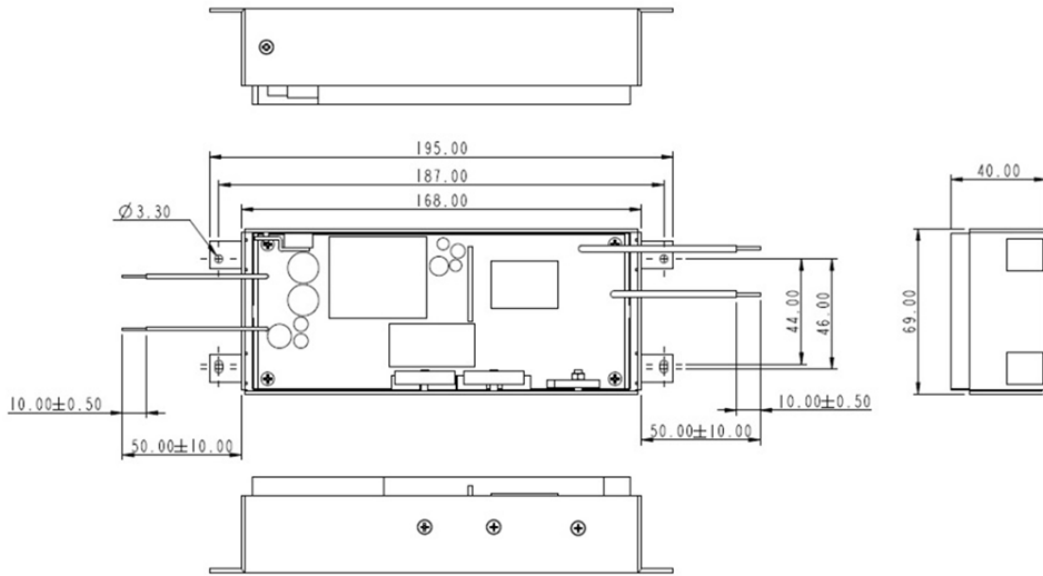
Features:

- AC Input Range: 100~277V
- Protections: Over current / Over voltage / Over temperature / Short circuit
- Environment working temp: -40°C ~ +70 °C
- Compliance to worldwide safety regulations for lighting
- Lifetime: 60,000 hrs
- Suitable for LED High Bay, Street light, Flood light, Electronic signage, Advertising light box, Screen wall
- Non-dimmable
- Warranty: 5 years

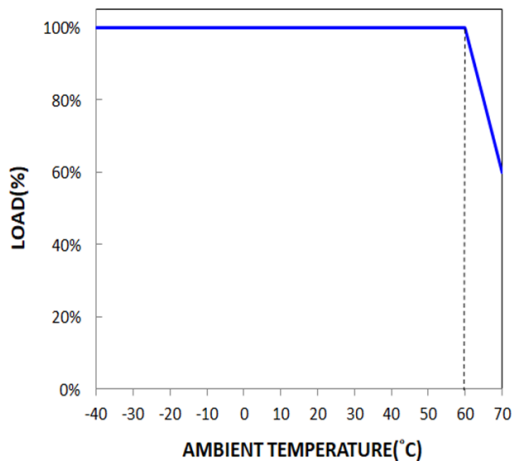

SPECIFICATION

Model		WI-100-48N-S	WI-120-48N-S	WI-150-48N-S	WI-150-150N-S	WI-180-48N-S	
Output	Rated Power	100W	120W	150.2W	150W	180W	
	Output Voltage	48V	48V	48V	150V	48V	
	Rated Current	0~2.08A	0~2.5A	0~3.13A	0~1A	0~3.75A	
	Voltage Adj. Range	43V~53V	43V~53V	43V~53V	140~160V	43V~53V	
	Current Adj. Range	Can be adjusted by internal potentiometer					
		1.04~2.08A	1.25~2.5A	1.56~3.13A	0.5~1.0A	1.88~3.75A	
	Voltage Tolerance	± 1.0%	± 1.0%	± 1.0%	± 1.0%	± 1.0%	
	Line Regulation	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	
Load Regulation	± 2.0%	± 1.0%	± 0.5%	± 0.5%	± 0.5%		
Ripple & Noise	480mVp-p	480mVp-p	480mVp-p	1.2Vp-p	480mVp-p		
Input	Voltage Range	90 ~ 305VAC or 127 ~ 431VDC					
	Frequency Range	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	47 ~ 63Hz	
	Efficiency (Typ.)	91%	91%	91%	92%	92%	
	Total Harmonic Distortion	THD< 20% when output loading ≥50% at 115VAC/230VAC input and output loading ≥75% at 277VAC input					
	Power Factor (Typ.)	F>0.98/115VAC, PF>0.95/230VAC, PF>0.92/277VAC at full load					
Environment	Working Temp.	-40 ~ +70°C					
	Working Humidity	20 ~ 95% RH non-condensing					
Protection	OVP	54 ~ 60V	54 ~ 60V	54 ~ 60V	160 ~ 170V	54 ~ 60V	
		Protection type : Shut down o/p voltage with auto-recovery or re-power on to recovery					
	OCP	95 ~ 108%					
		Protection type : Constant current limiting, recovers automatically after fault condition is removed					
SCP	Recovers automatically after fault condition is removed						
OTP	100°C ±10°C derating 50% o/p current, recovers automatically after temperature goes down						
Safety & EMC	Safety Standard	UL8750, CSA C22.2 No. 250.0-08, EN61347-1, EN61347-2-13 independent, IP65 or IP67, J61347-1, J61347-2-13 approved ;design refer to UL60950-1, TUV EN60950-1					
	EMC Emission	Compliance to EN55015, EN55022 (CISPR22) Class B, EN61000-3-2 Class C (≥ 50% load) ; EN61000-3-3					
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024, light industry level (surge 12KV), criteria A					
Others	MTBF	180,000 hrs min. MIL-HDBK-217F (25°C)					
	Lifetime	60,000 hrs at 25°C					
	IP Rating	-					
	Dimming	Non-dimmable					
	Dimension	195*69W*40H mm					

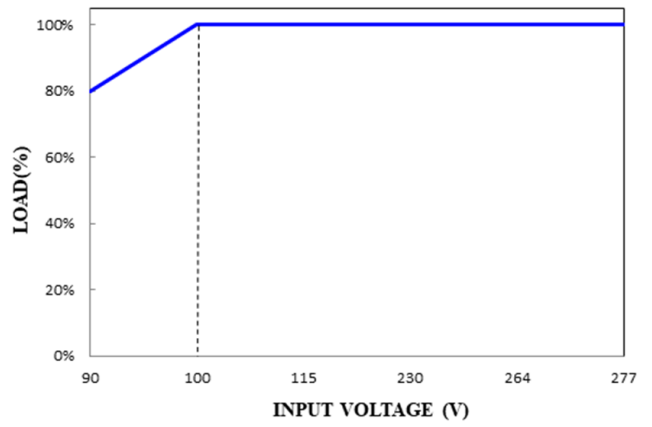
MECHANICAL SPECIFICATION



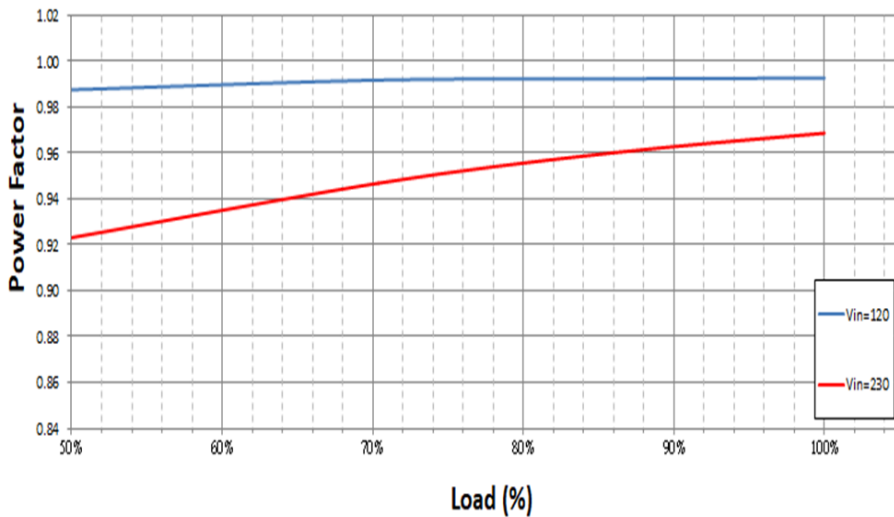
DERATING CURVE



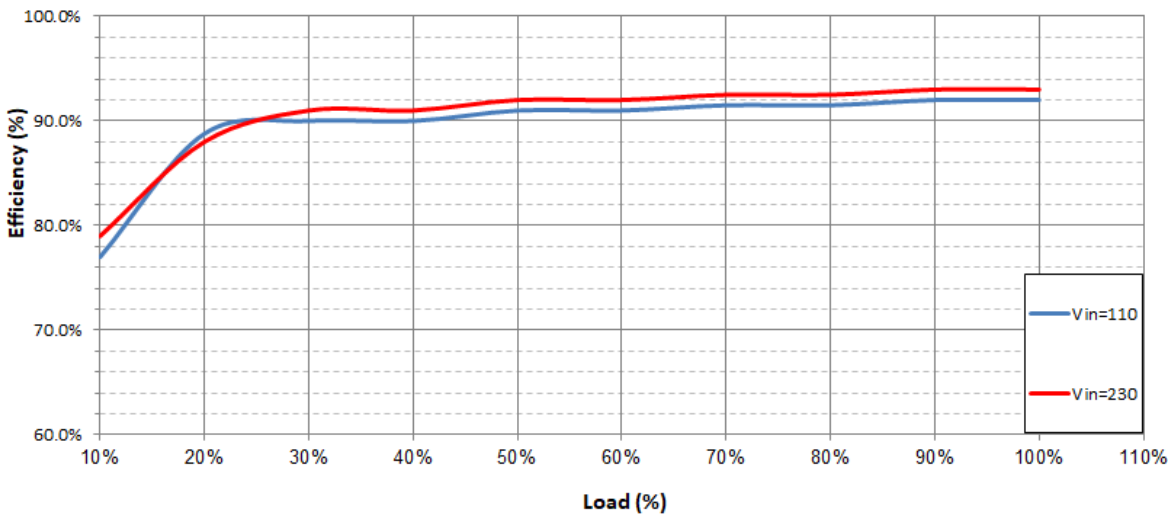
STATIC CHARACTERISTIC



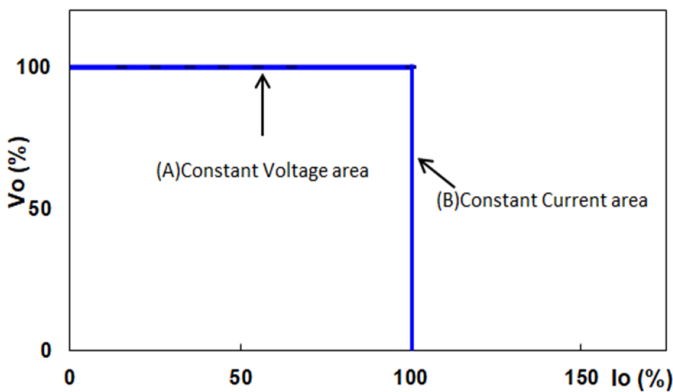
POWER FACTOR CHARACTERISTIC



EFFICIENCY V.S LOAD



DRIVING METHODS OF LED MODUL



BLOCK DIAGRAM

