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XSV100W24
XSV160W24
XSV240W24

General Benefits

24 V Constant Voltage IP67
Surge Protection of 4KV
Better Efficiency & Reliability
Metal Housing
Flicker free Solution
Life – 50,000 Hrs
3 Years Warranty



Application

Facade Lighting
Suitable for all types of Outdoor Strip Lighting Applications

Approvals



Lucevita LED Power supply are with high reliability in compact housing having best surge protection, THD, Ripple Current in the industry.

Drivers generally used in Cove light, Facade lights and wall washer application luminaires.

Professional Slim Series - Outdoor CV LED Driver 24V

Product Specification Sheet

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Parameters

Category	Item	Technical Norm					
Features	Output Type	Constant Voltage					
	IP Grade	IP67					
	Insulation Class	Class I					
	Installation	Independent					
Input	Input Voltage	220-240VAC					
	Range of AC Input Voltage	176-264VAC					
	Range of DC Input Voltage	175-280 VDC EMI not evaluated					
	Frequency	Rated 50/60Hz, Range:47~63Hz					
	Power Factor	≥0.95, 220-240VAC Rated Load, see graphs					
	THD	≤10 %, 230VAC Rated Load, see graphs					
	No Load Power Consumption	≤0.5W, @230VAC					
	Inrush Current	Model	IP	IP(type)	Duration time	240 Vac/50Hz, 90 degree phase, full load, cold start up, duration time measure from 50%Ipk to 50%Ipk	
		100W	<50A	45A	250us		
		160W	<60A	56A	250us		
		240W	<80A	76A	320us		
		Connected quantity of 16A Breaker	100W	10pcs,16A type B / 16 pcs 16A type C			
			160W	8pcs,16A type B / 13 pcs 16A type C			
			240W	6pcs,16A type B / 8 pcs 16A type C			
Output	Output Voltage	24VDC±3%					
		100W	30	100W			
		160W	48	160W			
		240W	72	240W			
	Output Voltage Ripple	<240mV PK PK (0.5%)					
	Line Regulation	±1%					
	Load Regulation	±2%					
	Overshoot	<105%Vo (<110%Vo, only for 30 W)					
	Start-up Time	<0.5 S (220-240VAC)					
	Efficiency	100W	≥90%	92 % typ	230VAC, Rated Load, at output terminals, see graphs		
	160W	≥90%	92 % typ				
	240W	≥90%	92 % typ				
Protection	Short Circuit Protection	Auto Recovery					
	Over Current Protection	120%-200%Io, Auto Recovery					
	Over Voltage Protection	120%-150%Vo, Auto Recovery					
	Over Temperature Protection	90<Tc<110°C, Auto Recovery					
	Insulation voltage	I/P to O/P,3KVac/5mA/1min					
	Insulation resistance	>100M ohm @ 500VDC					
	Leakage current	I/P to O /P < 250μA					
Environment	Ta/Operation Temperature	-25....+50°C					
	Ts/Storage Temperature	-40....+85°C					
	Tc/Enclosure Temperature For Safety	100W	≥75°C				
		160W	≥85°C				
		240W	≥90°C				
	Humidity	5%....85%RH					
	Atmosphere	86-108KPa					

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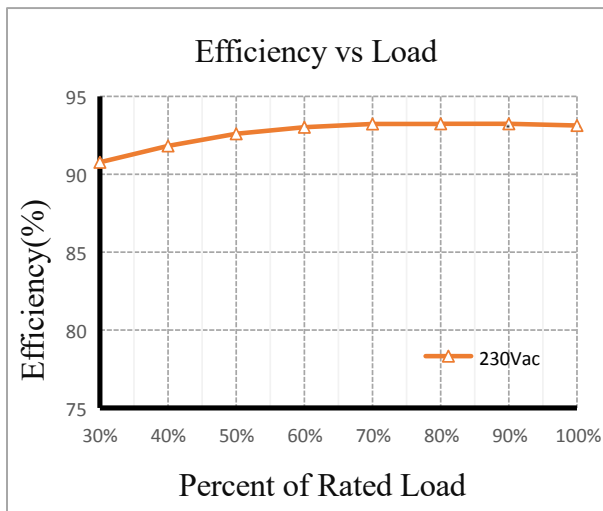
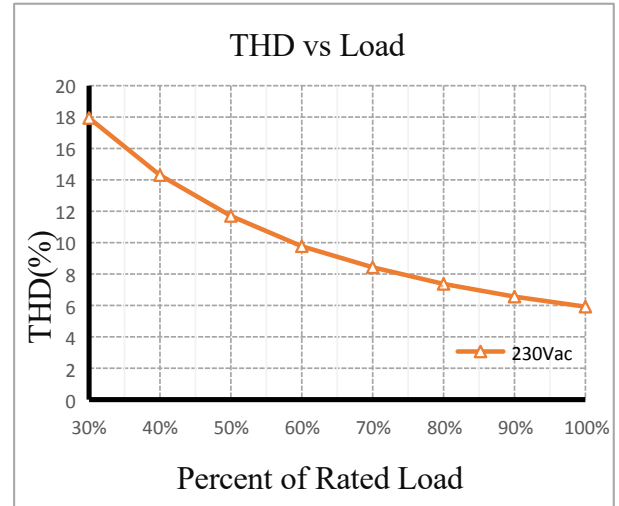
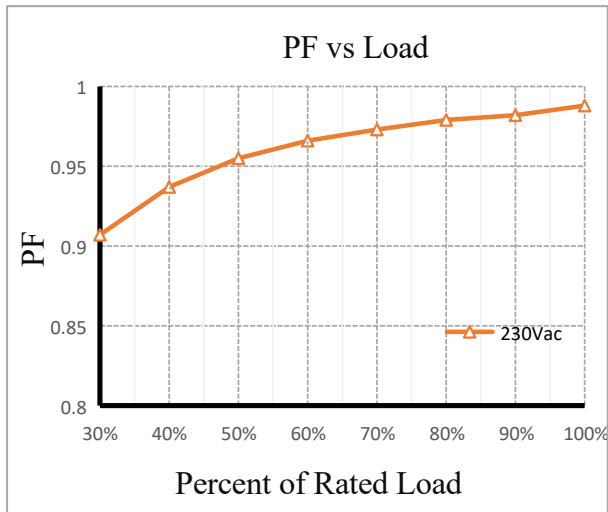
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Parameters

Category	Item	Technical Norm
Standards	Certification	CE
	Safety Standards	EN61347-1:2015, EN61347-2-13:2014/A1:2017, EN62493:2015, AS61347.2.13:2018, AS/NZS 61347.1:2016 Inc A1
	EMC Standards	EN55015:2013/A1:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN61547:2009
	Performance	EN62384
	Surge	LN : 4KV, L/N-PE : 6KV
	RoHS	2011/65/EU
	MTBF	≥250KHours, Ta=25°C (MIL-HDBK-217F)
	Audible Noise	<25dB @ 10cm distance, 20dB background
	Life Time(@Ta max)	100W 160W ≥50K Hrs @230VAC, full load, End of Life: Failure Rate 10%
		240W ≥50K Hrs @230VAC , 90% load, End of Life: Failure Rate 10%
Others	Warranty	5 years
	Dimensions L*W*H	100W 305*30*21MM (Body) 320*30*21MM (endcaps included)
		160W 335*30*21MM (Body) 350*30*21MM (endcaps included)
		240W 385*30*21MM (Body) 400*30*21MM (endcaps included)
	Wiring	Input H05RN F/3X1.0mm 2 Brown/Blue/(Yellow/Green)
		Output H05RN F/2X1.0mm 2 Brown Blue
	Output Cable Length	Max.3M

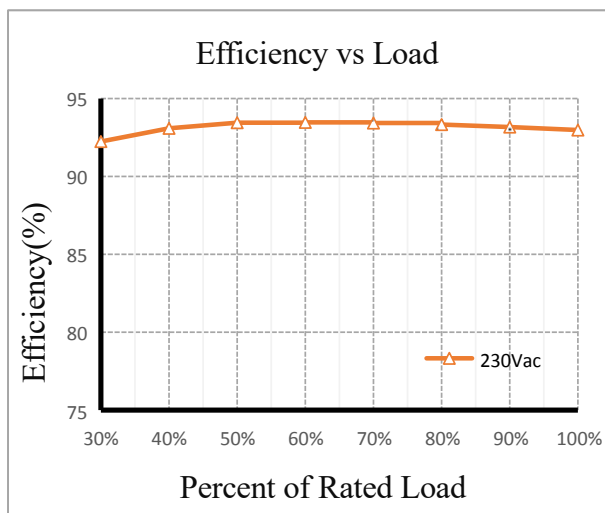
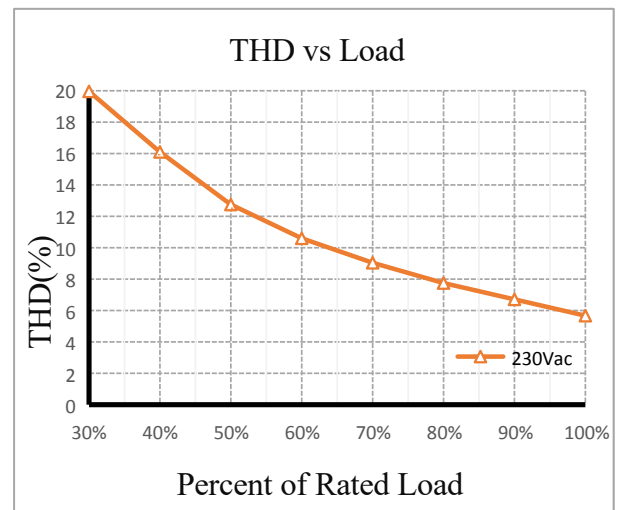
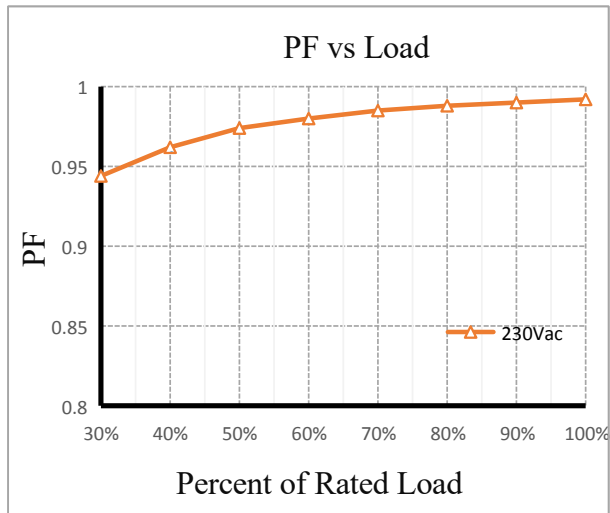
XSV100W24

Graphs



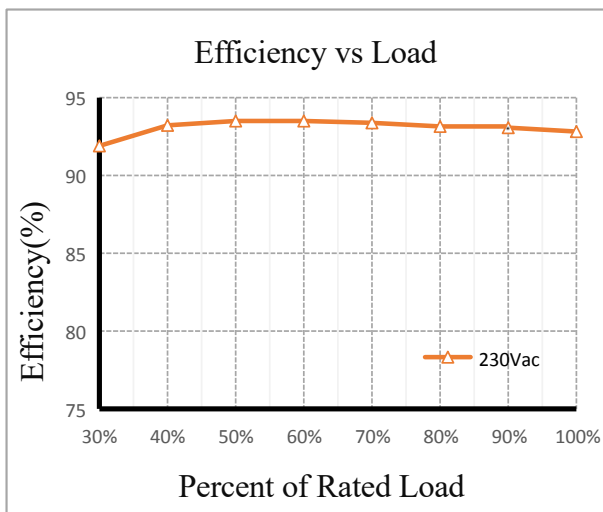
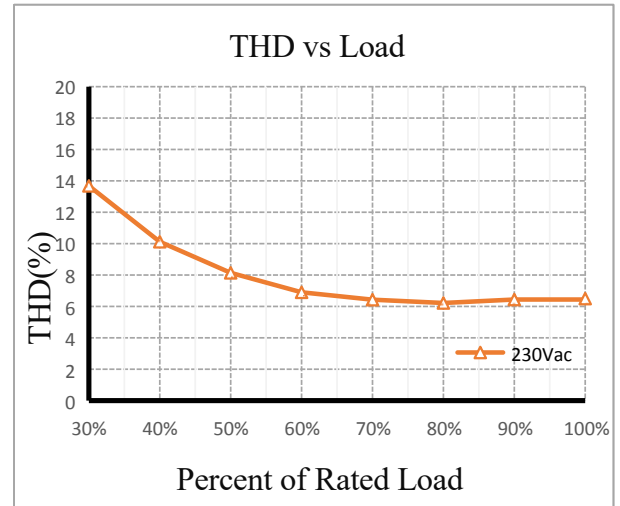
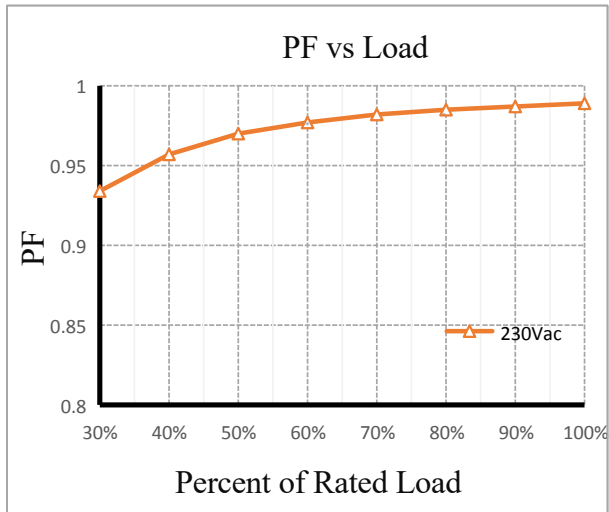
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Graphs



XSV240W24

Graphs



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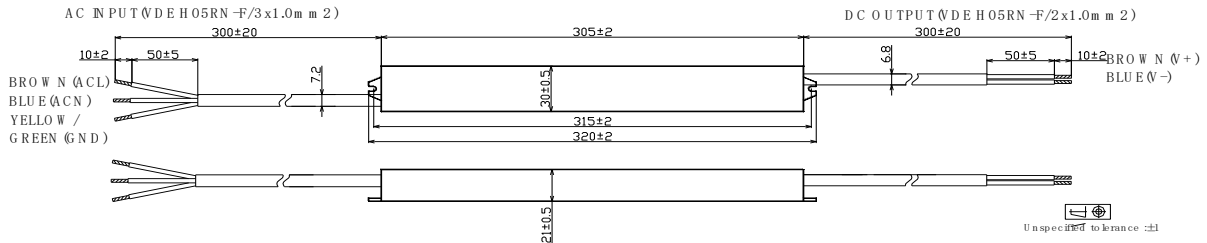
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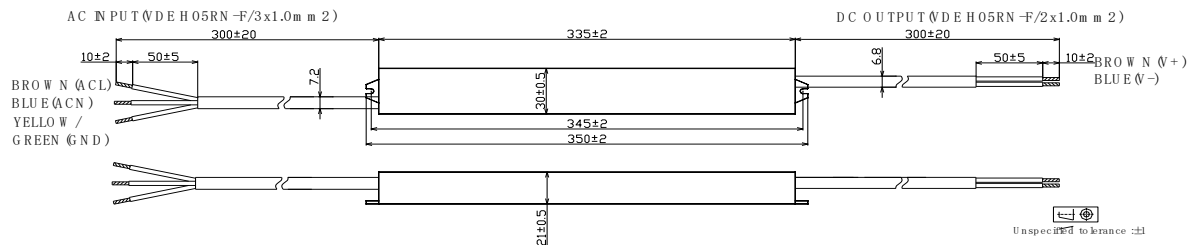
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Dimensions

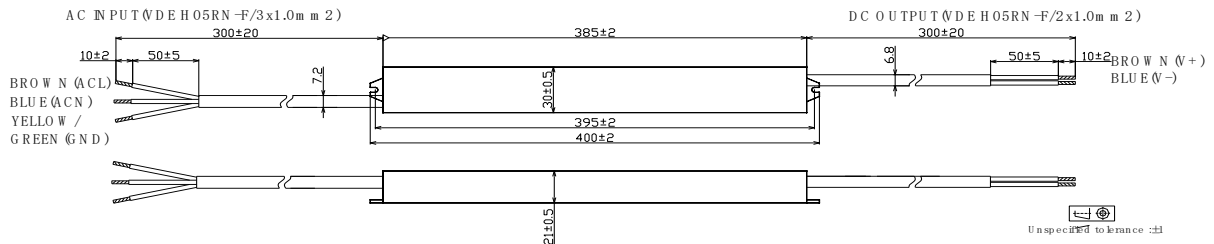
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Packing information

Model	Carton L*W*H(cm)	Pcs/ Carton	Net weight/ Pcs(g)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
XSV100W24	39*29*20	30	420	12	13.7
XSV160W24	39*29*20	30	470	13.5	15.2
XSV240W24	44*29*14	20	530	10.2	11.5

Remarks

1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
2. LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.
3. Warranty Mentioned is a limited warranty only to the original purchaser or to the first user @ Tc max from the date of manufacturing when properly installed and operated under normal conditions of use.
4. Please refer our website for details warranty conditions.
5. For further details, kindly refer our website. www.lucevita.in, or email info@lucevita.in.