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XSV100W24 DALI
XSV160W24 DALI
XSV240W24 DALI

General Benefits

DALI Dimming
24V 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.

Constant Voltage LED Drivers - 24V Outdoor DALI Series

Product Specification Sheet

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XSV100W24 DALI

XSV160W24 DALI

XSV240W24 DALI

Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Voltage
	Dimming Type	DALI
	Output Features	Isolation SELV
	IP Grade	IP67
	Insulation Class	Class I
Input	Installation	Independent
	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, Dim to OFF
	Inrush Current	Model IP IP(type) Duration time 240 Vac/50Hz, 90 degree phase, full load, cold start up, duration time measure from 50%pk to 50%pk
		100W <50A 45A 250us
Output		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 Voltage	24VDC±3%
		100W 30-100W
		160W 48-160W
		240W 72-240W
	Output Voltage Ripple	<240mV _{PK-PK} (0.5%)
Protection	Line Regulation	±1%
	Load Regulation	±2%
	Overshoot	<105%Vo (<110%Vo, only for 30 W)
	Start-up Time	<0.6 S (220-240VAC)
	Efficiency	100W ≥98% 90 % typ 230VAC, Rated Load, at output terminals, see graphs
		160W ≥90% 92 % typ
		240W ≥90% 92 % typ
	Short Circuit Protection	Auto Recovery
	Over Current Protection	120%-200%Io, Auto Recovery
	Over Voltage Protection	120%-150%Vo, Auto Recovery
Control Method	Over Temperature Protection	90<Tc<110°C, Auto Recovery
	Insulation voltage	I/Pto O/P, 3KVac/5mA/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA
	PUSH Dimming	PUSH dimming (Max. lead wire length: 20m, same part of DALI)
	PUSH Dimming Synchronization	The power connected to the same PUSH switch can be synchronised by pressing and holding the PUSH switch for longer than 10S.
Control Method	DALI function	DALI dimming (Max. lead wire length: 300m) logarithm of linear dimming curve selectable
	Dimming Range	DALI Dimming: 1% - 100%, (1KHz)

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Parameters

Category	Item	Technical Norm
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
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 (Two cables are connected in parallel for 400W)
		DALI H05RN F/2X0.75mm ² , Purple/ Gray
	Output Cable Length	Max.1M

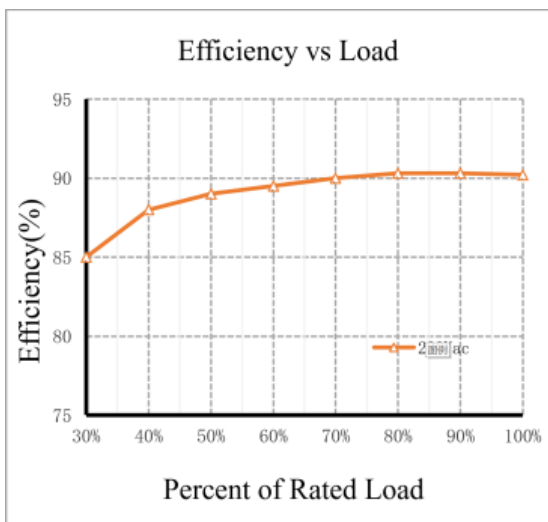
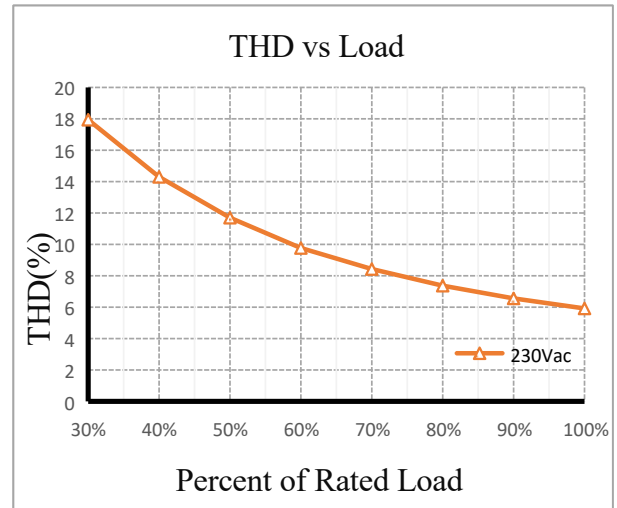
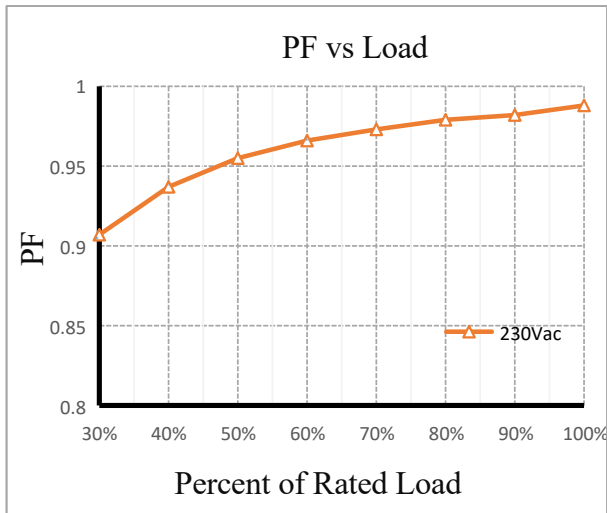
Constant Voltage LED Drivers - 24V Outdoor DALI Series

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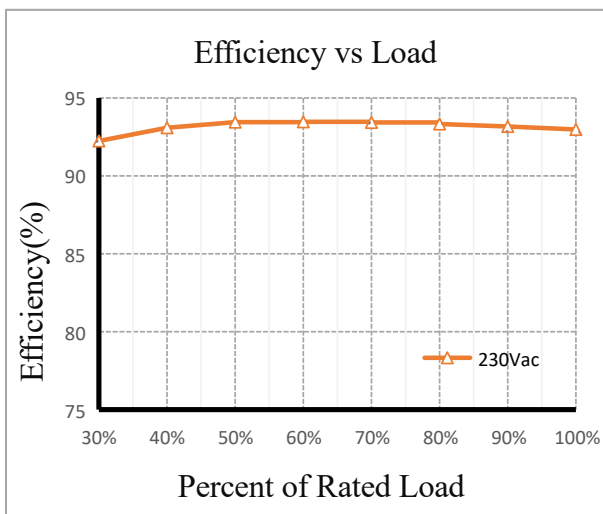
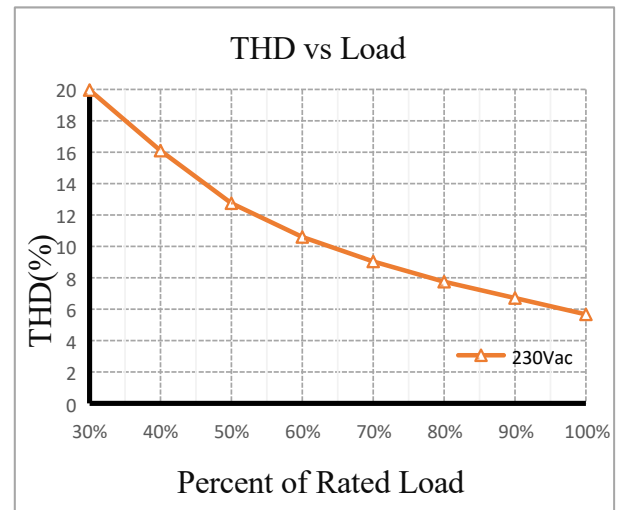
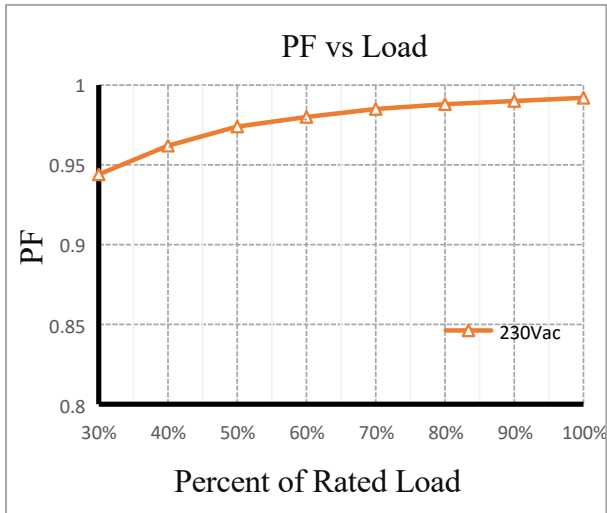
XSV100W24 DALI

Graphs



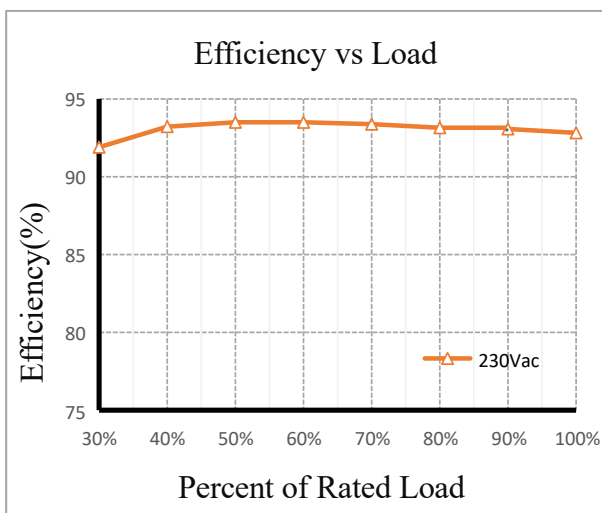
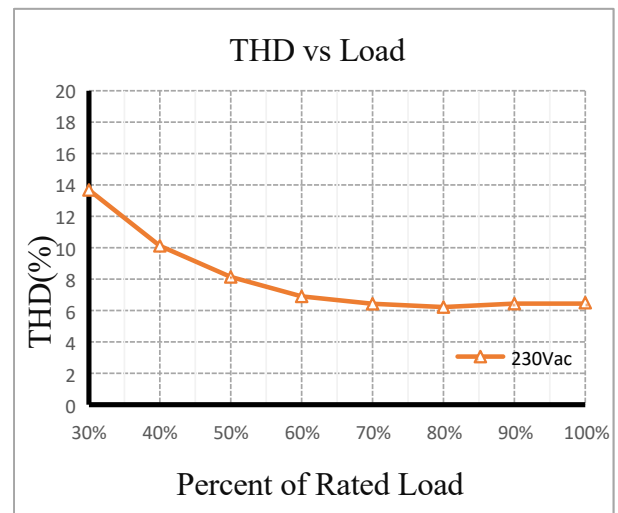
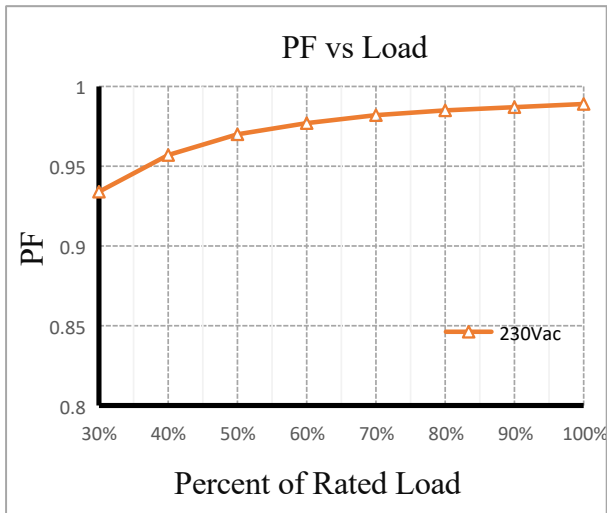
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Graphs



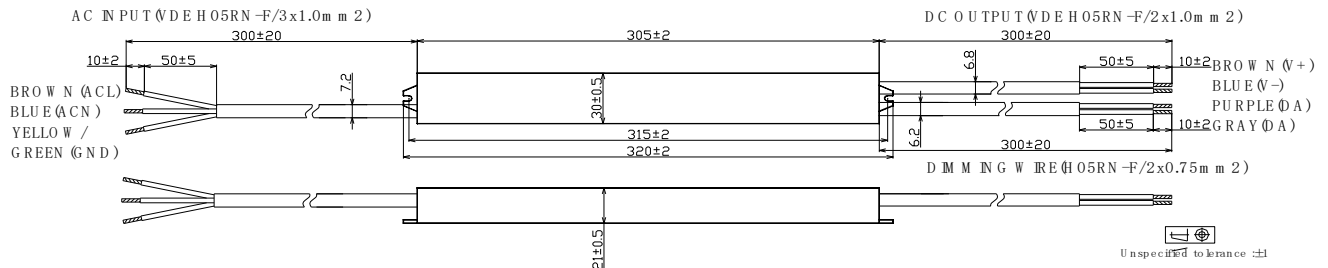
XSV240W24 DALI

Graphs

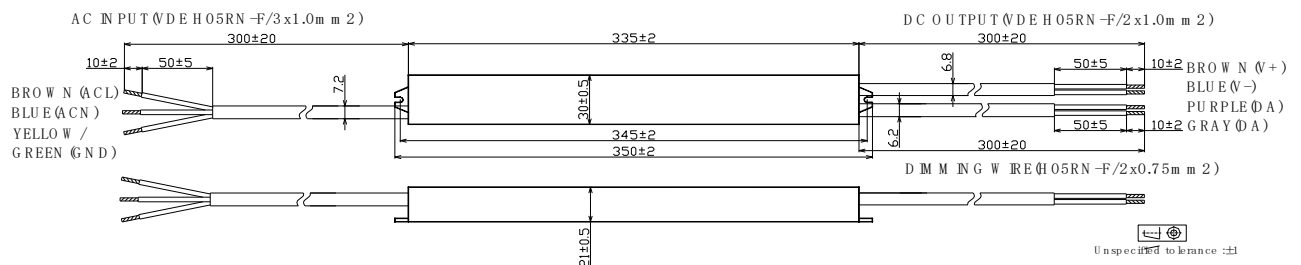


Dimensions

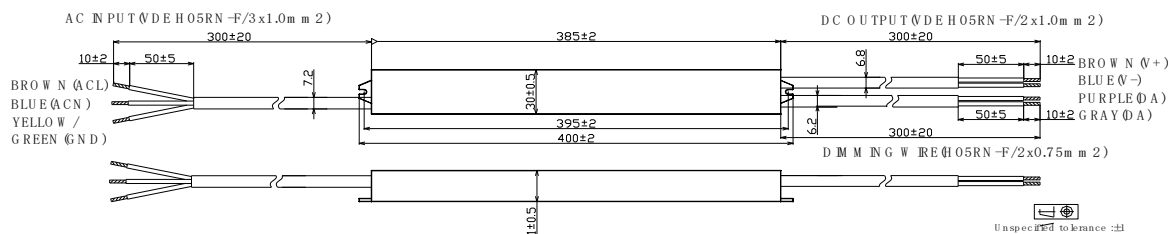
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Packing information

Model	Carton L*W*H(cm)	Pcs/ Carton	Net weight/ Pcs(g)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
XSV100W24 DALI	39*29*20	30	420	12.6	14.3
XSV160W24 DALI	39*29*20	30	470	14.1	15.8
XSV240W24 DALI	44*29*14	20	530	10.6	11.9

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.