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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

Façade Lighting

Suitable for all types of Outdoor Strip Lighting Applications

Approvals



CE



110



IP67 SELV



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.

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XSV100W24

XSV160W24

XSV240W24

Parameters

| Category | Item | Technical Norm | | | |
|-------------|-------------------------------------|--|--------------------------------------|----------|--|
| Features | Output Type | Constant Voltage | | | |
| | IP Grade | IP67 | | | |
| | Insulation Class | Class I | | | |
| | 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 | | | |
| Input | 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 |
| Output | | 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 | | 240 Vac/50Hz, 90 degree phase, full load, cold start up, duration time measure from 50%lpk to 50%lpk |
| Protection | Output Voltage | 160W | 8pcs,16A type B / 13 pcs 16A type C | | |
| | | 240W | 6pcs,16A type B / 8 pcs 16A type C | | |
| | | 100W | 30 100W | | |
| | | 160W | 48 160W | | |
| Environment | | 240W | 72 240W | | |
| | Output Voltage Ripple | <240mVPK PK (0.5%) | | | |
| | Line Regulation | ±1% | | | |
| | Load Regulation | ±2% | | | |
| Protection | 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 | |
| Environment | | 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 | | | |
| Protection | 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 | | | |
| Environment | Ta/Operation Temperature | -25....+50°C | | | |
| | Ts/Storage Temperature | -40....+85°C | | | |
| | Tc/Enclosure Temperature For Safety | 100W | ≥75°C | | |
| | | 160W | ≥85°C | | |
| Others | | 240W | ≥90°C | | |
| | Humidity | 5%....85%RH | | | |
| Others | Atmosphere | 86-108KPa | | | |

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XSV100W24

XSV160W24

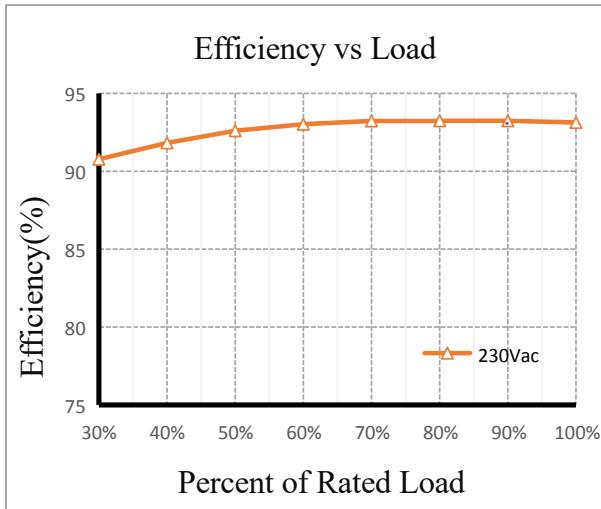
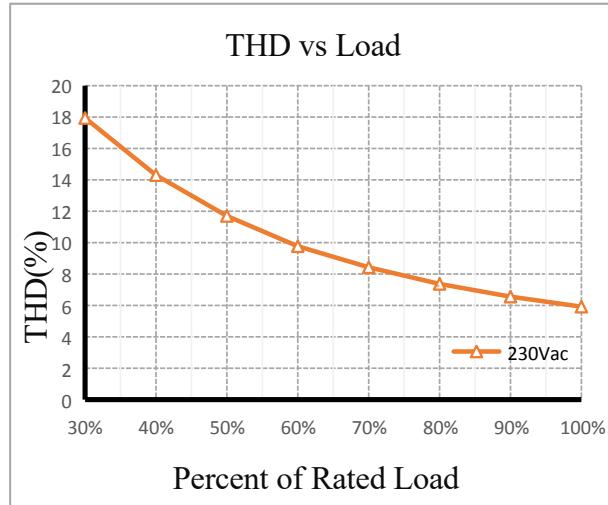
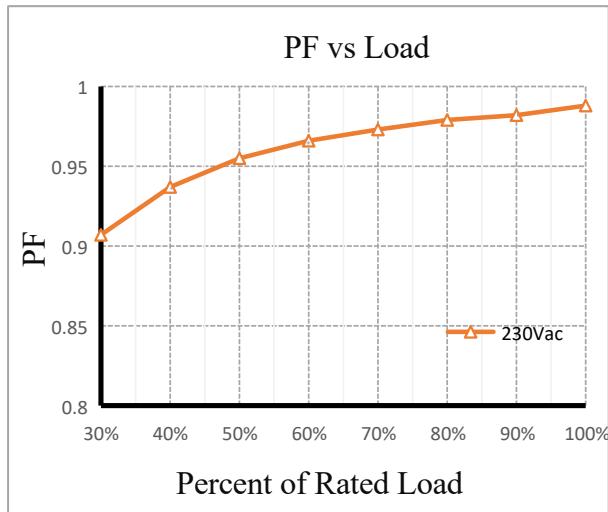
XSV240W24

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 | |
| Others | 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% |
| | 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 | |

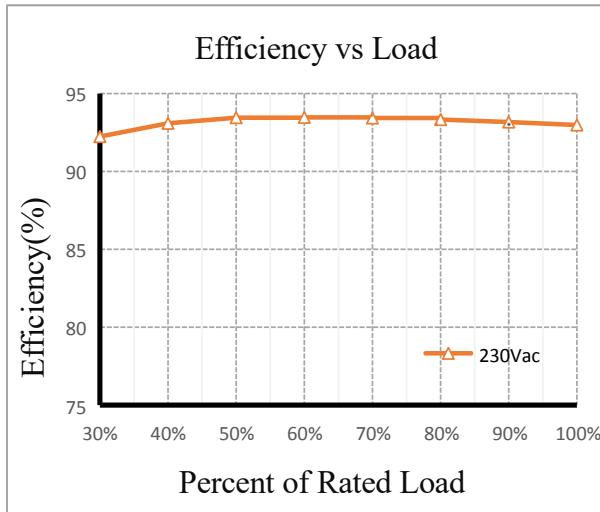
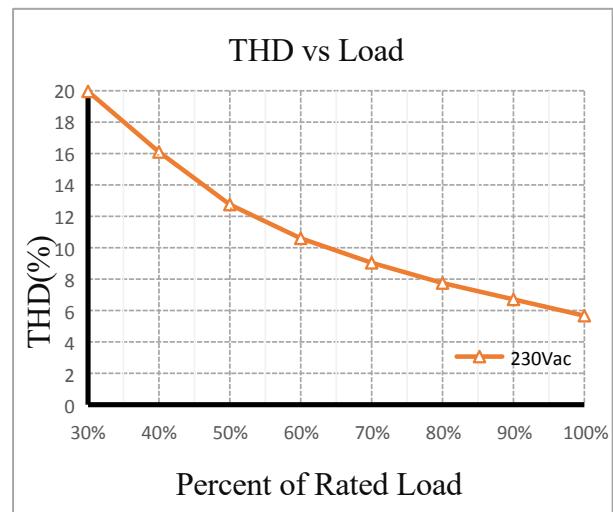
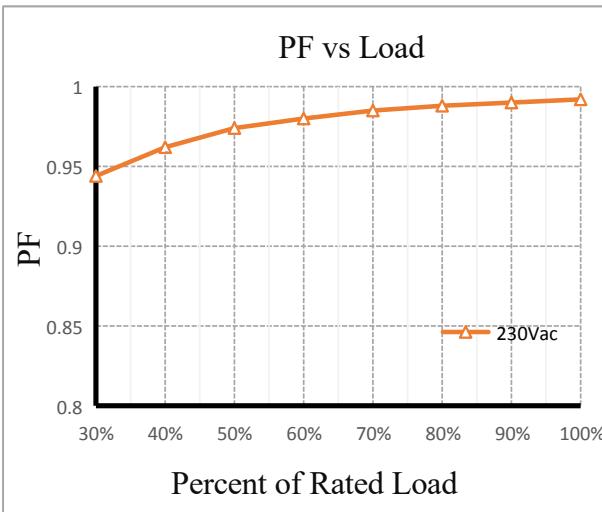
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XSV100W24 Graphs



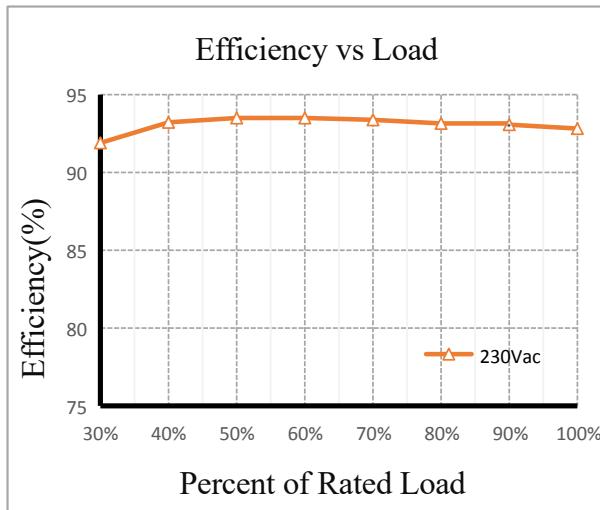
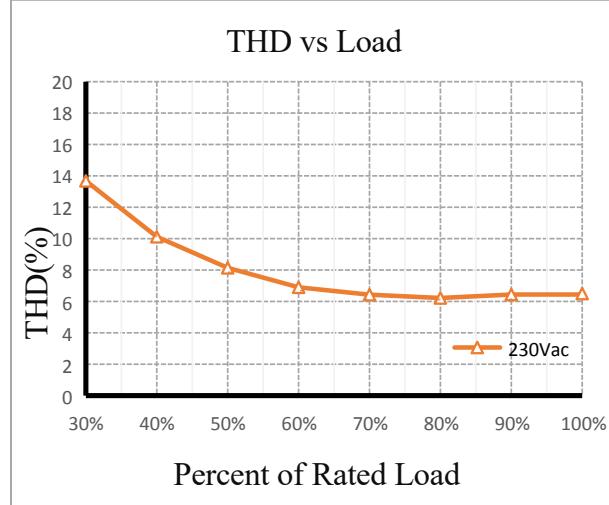
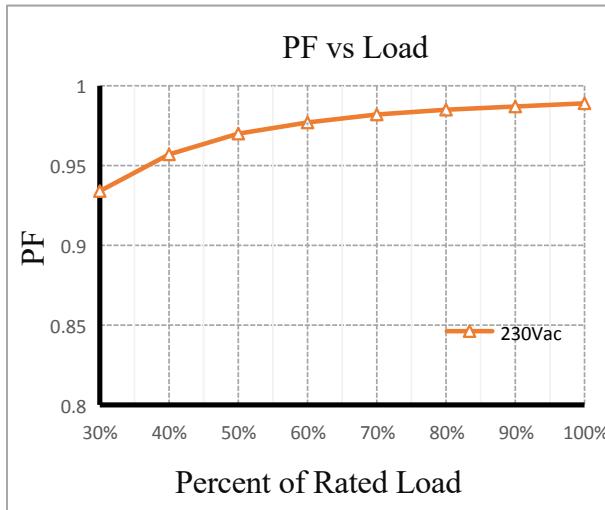
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XSV160W24
Graphs



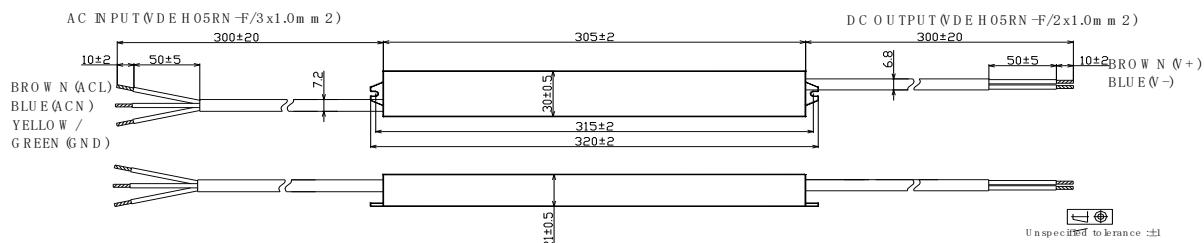
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XSV240W24 Graphs

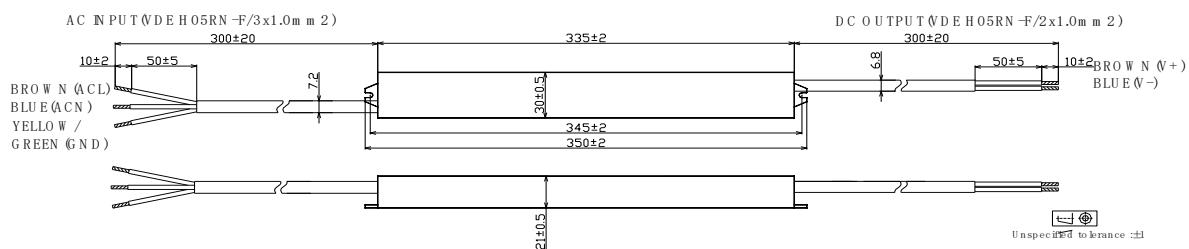


Dimensions

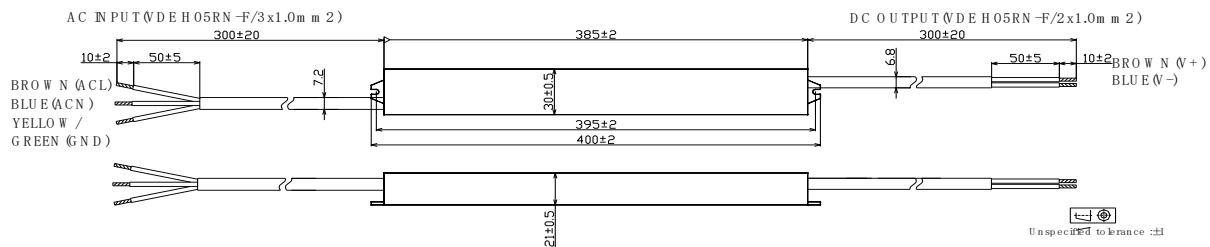
XSV100W24



XSV160W24



XSV240W24



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.