

# Martin IP66 PSU 240W

OUTDOOR RATED POWER SUPPLY UNIT

SPEC SHEET

## HIGHLIGHTS

- Rugged extruded aluminum casing
- Auto-ranging 100-240 VAC power input
- Full protection with auto-recovery



## OVERVIEW

The Martin IP66 PSU 240 W is an IP66-rated external power supply unit that can supply 48 VDC power to various Martin lighting and LED video products, such as Exterior PixLine, Exterior Dot-HP and VC-Dot. It provides an alternative to the P3 PowerPort in supplying power to fixtures in a DMX-controlled system.

The Martin IP66 PSU 240 W replaces the Tripix™ Power IP66 external power supply unit and has identical specifications with the unit it replaces.

## FEATURES

- IP66-rated
- Wall-mountable
- Can be located up to 50 m (164 ft.) away from the creative LED video products
- No configuration or addressing required

## ORDERING INFORMATION

- Martin™ IP66 PSU 240 W (replaces Tripix™ Power IP66)..... P/N 90760330

### ACCESSORIES

- Power Inserter Cable, Martin™ IP66 PSU 240 W to Tripix™ system..... P/N 91611339
- Input Y-Cable, 5-pin XLR + Martin™ IP66 PSU 240W to BBD, 0.25m (9.8 in.)..... P/N 91616050
- Input Y-Cable, 5-pin male XLR + Martin™ IP66 PSU 240W to 4-pin fem. XLR, 0.25 m (9.8 in.)..... P/N 91616039
- Input Y-Cable, 5-pin male XLR + Martin™ IP66 PSU 240W to IP65, 0.25 m (9.8 in.)..... P/N 11840195

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## TECHNICAL SPECIFICATIONS

### SYSTEM INTEGRATION

Exterior PixLine™ family  
Exterior Dot-HP™ family  
VDO Sceptron™ family  
VC-Dot™ family via VC-Feeder™  
VC-Grid™ family (indoor product)  
VC-Strip™ family (indoor product)  
Tripix family

### CONSTRUCTION

Housing ..... Aluminum  
Finish ..... Clear anodized  
Protection rating..... IP66, NEMA 4X  
RoHS compliant

### INSTALLATION

Mounting ..... Fixation points for surface-mounting  
Orientation ..... Any  
Max. cable length ..... See connected product user manuals  
Max. number of connected fixtures ..... See connected product user manuals

### CONNECTIONS

#### AC mains power input

Hard-wired (terminal block) via cable gland

#### 48 VDC power output

To Tripix ..... Power Inserter Cable, Martin IP66 PSU  
240 W to Tripix system, 0.25 m (9.8 in.),  
P/N 91611339  
To VDO Sceptron ..... Input Y-Cable, XLR5 + Martin IP66 PSU  
240W to BBD, 0.25 m (9.8 in.),  
P/N 91616050  
To Exterior PixLine ..... Input Y-Cable, XLR5 + Martin IP66 PSU  
240W to BBD, 0.25 m (9.8 in.),  
P/N 91616050  
To Exterior Dot-HP ..... Input Y-Cable, XLR5 + Martin IP66 PSU  
240W to BBD, 0.25 m (9.8 in.),  
P/N 91616050  
To VC-Grid ..... Input Y-Cable, XLR5 + Martin IP66 PSU  
to XLR4, 0.25 m (9.8 in.),  
P/N 91616039  
To VC-Strip ..... Input Y-Cable, XLR5 + Martin IP66 PSU  
to XLR4, 0.25 m (9.8 in.),  
P/N 91616039  
To VC-Feeder (VC-Dot) ..... Input Y-Cable, XLR5 + Martin IP66 PSU  
240W to IP65 connector, 0.25 m (9.8 in.),  
P/N 11840195

See user manuals of compatible products for latest complete information on suitable cables and connectors, safety limits, etc.

### ELECTRICAL

AC power input ..... 100-240 V nominal, 50/60 Hz  
Power supply unit ..... Auto-sensing multi-voltage switch-  
mode  
DC power output ..... 48 V  
Maximum DC output power ..... 240 W  
Maximum DC output current draw ..... 5 A  
Protection ..... Overvoltage, overcurrent, short circuit,  
over-temperature, all with auto-recovery  
Surge protection ..... 4 KV

### THERMAL

Cooling ..... Convection  
Maximum ambient temperature  
(Ta max.) ..... 45° C (113° F)  
Minimum ambient temperature  
(Ta min.) ..... -30° C (-22° F)  
Maximum surface temperature,  
steady state, Ta=45° C (113° F) ..... 80° C (176° F)  
Total heat dissipation (calculated,  
including max. number of  
connected devices, all at full load) ..... 820 BTU/hr.

### APPROVALS

EU safety ..... EN 60598-2-6, EN 61347-2-13  
EU EMC ..... EN 55015, EN 61000-3-2, EN 61000-3-  
3, EN 61547  
US safety ..... UL 1012  
Canadian safety ..... CSA C22.2 No. 107.1  
Australia/NZ ..... RCM



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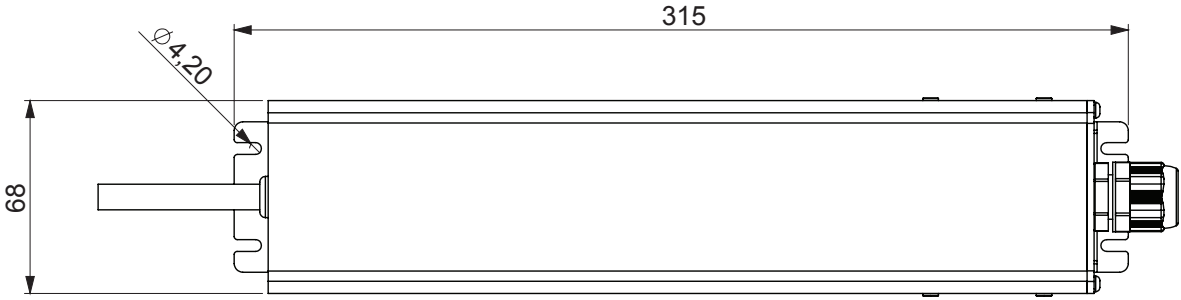
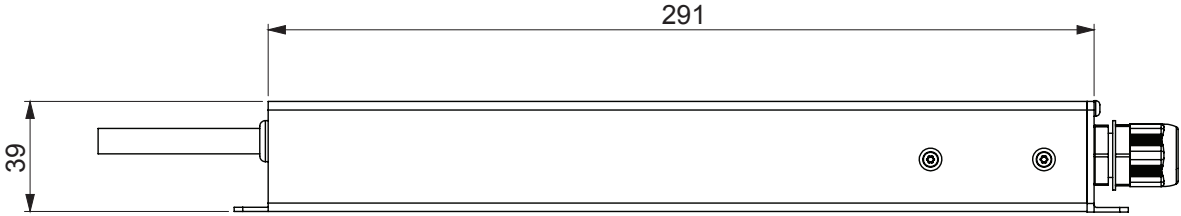
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## DIMENSIONS

### PHYSICAL

- Length..... 314 mm [12.4 in.]
- Width..... 68 mm [2.7 in.]
- Height..... 39 mm [1.5 in.]
- Weight..... 1.5 kg [3.3 lbs.]



All dimensions are in mm