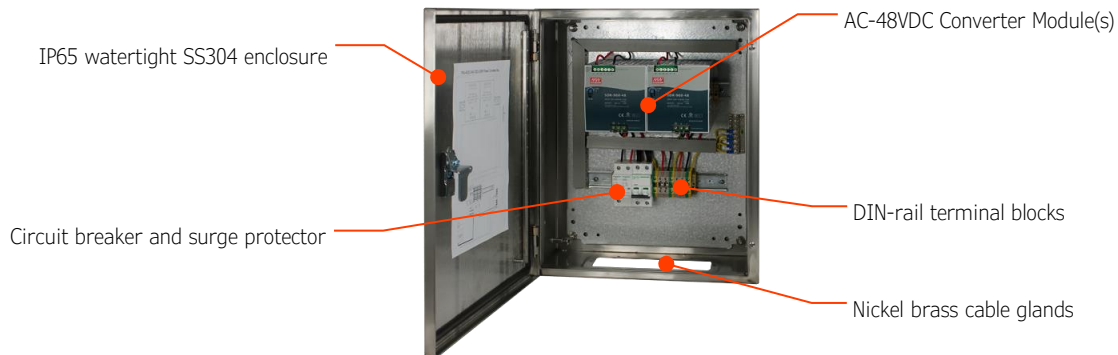


PSUA220D48 Power Box for Obstruction Lights

AC input and DC output control box



OVERVIEW

PSUA220D48 series power box is used when users' power supply is AC and lights' operation voltage is 48VDC.

With high-quality converter(s) with over 90% efficiency, the power box is capable of converting universal AC (90-264VAC) to 48VDC (48-55VDC). The power of the converter box depends on the load power of obstruction lights.

DIN-rail terminal blocks save wiring time and enhance wiring safety. A 2P circuit breaker is effective in protecting converters from overload. A surge protector enhances protection against voltage fluctuation and lightning strikes.

The power box can be used for a single obstruction light, for example, a 480W power box for a F86465 unit. In some cases, a power box with high power is used for multiple medium intensity lights in a system.

FEATURES

- Universal AC input, 85-265VAC, 50-60Hz; 48VDC output
- High-quality power converter, efficiency>90%
- DIN-Rail terminal blocks for safe connection and replacement
- Circuit breaker against overload
- Surge protector against voltage fluctuation and lightning strikes

APPLICABLE OBL MODELS

- All obstruction lights, especially for F86465 and F865



SPECIFICATIONS

Item		PSUA220D48 Specifications
INPUT	Input voltage	90-264VAC,50-60Hz
	Power Factor	>0.9
	Efficiency	>90%
OUTPUT	Output voltage	48VDC (48-55VDC adjustable)
	Rated power ^(Note)	Depends on load power of lights
MECHANICAL STRUCTURE	Enclosure Type	Outdoor
	Enclosure Material	SS304
	Protection	IP65
	Weight	5-10KG
	Dimension (H*W*Depth)	400*300*200mm / 500*400*200mm
	Operaton Temperature	-25°C~+70°C
	Operation Humidity	20-95% RH non-condensing
Mounting	Wall mounting or U-bolt mounting	

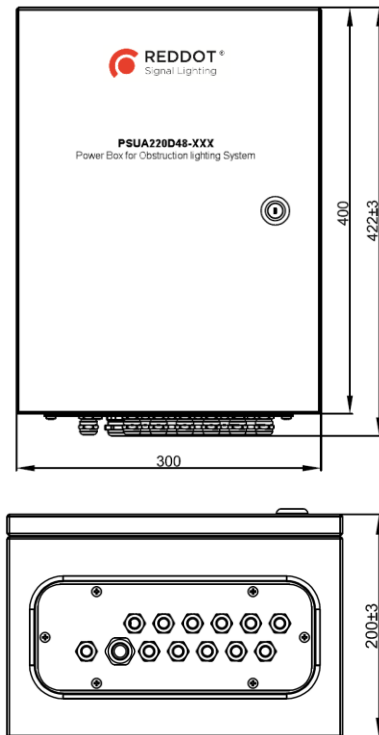
Note: Converter Power depends on lights' power connected to the control box. For example, for 1 * F86465D48: 480W; for 1 * F865D48: 960W. REDDOT will configure the most suitable to customers.

ORDERING CODE

Series	AC Input voltage	DC Output voltage	Converter Power ^(Note)
PSU	A220 (90-264VAC)	D48 (48VDC)	Variable

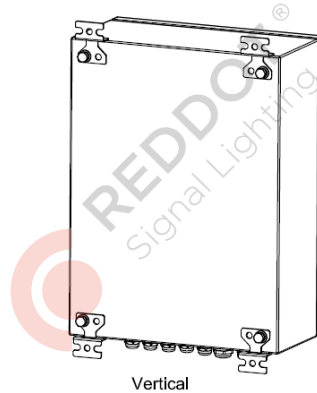
Note: REDDOT will configure appropriate power converters for a specific obstruction lighting system
E.g.: PSUA220D48-480 = Power box, with 480W converter, 90-265VAC input, 48VDC output

DIMENSIONS

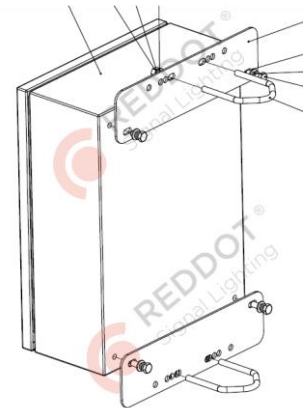


MOUNTING

• Wall Mounting



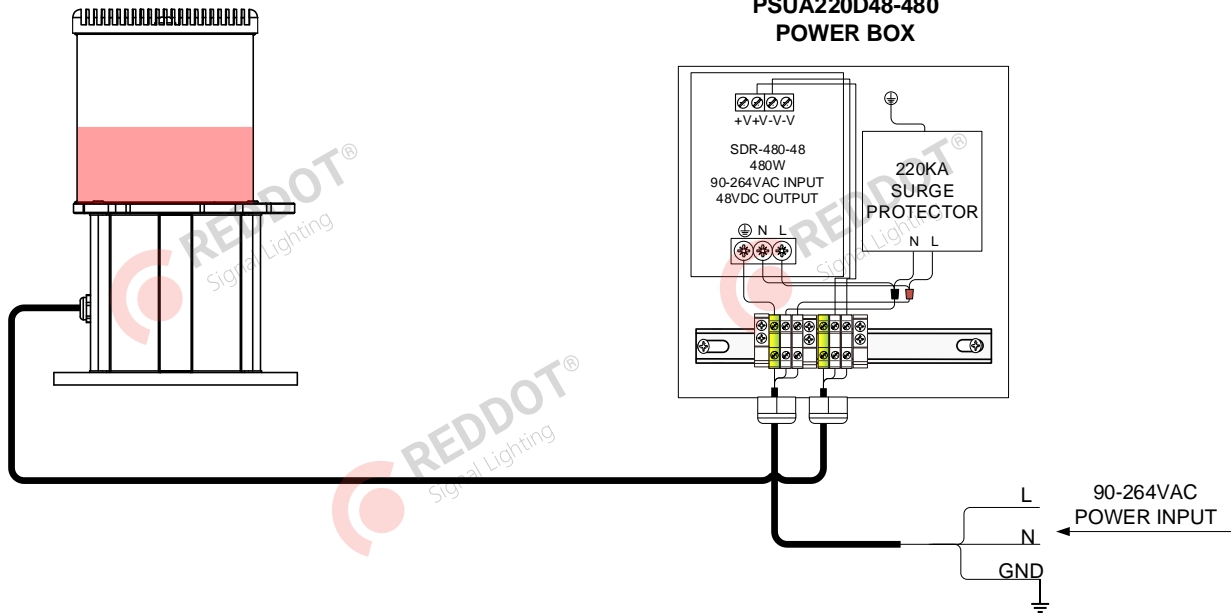
• U-bolt Mounting



APPLICATION EXAMPLES

- One F86465 dual red-white medium intensity obstruction lighting AC system

F86465 48VDC FLASH HEAD



- Two F865 white medium intensity obstruction lighting AC system

F865 48VDC FLASH HEAD F865 48VDC FLASH HEAD

