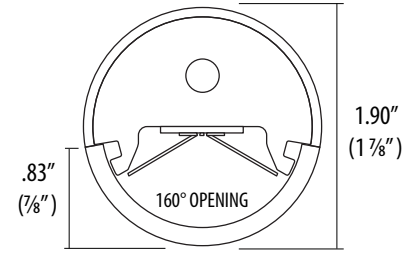




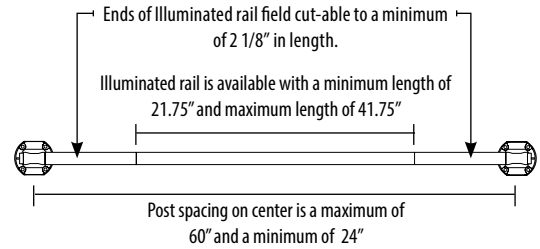
IVR2-RPS 1.9" Solid State Illuminated Rail

Remote Power Supply

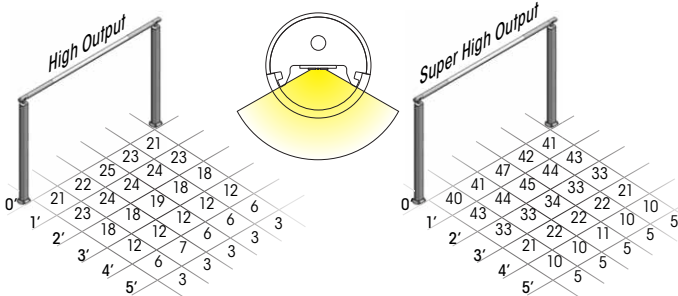
JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



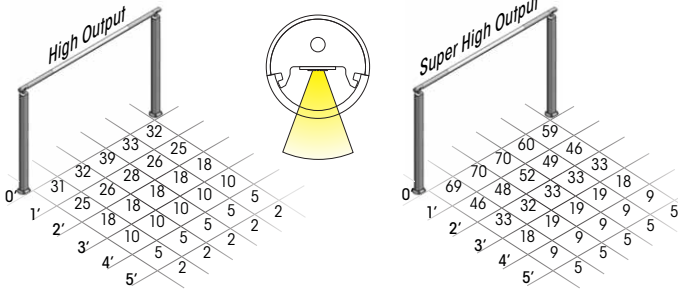
Exact decimal and common fraction is shown



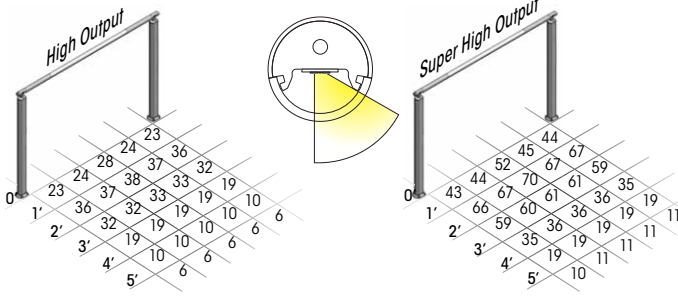
60° Symmetric Beam



20° Symmetric Beam



30° Asymmetric Beam



Construction:

Internal Rail Construction: Heavy duty extruded 6061-T6 Aluminum Alloy.
External Rail Jacket: Available in brushed satin 304 stainless steel. Standard aluminum finishes include silver, white, black, or bronze powder-coat. Consult factory for custom powder coat finishes (AAMA 2604).

LED Light Source:

Closely packed array of small LEDs allow for smooth seamless illumination with immediate overlap to avoid pixilation and provide a continuous flow of light. Color temperatures options include 3000K, 3500K or 4000K.

- 85 CRI
- 50,000 of average rated life at 70% output
- LED components are easily accessible to allow for easy maintenance

Power Consumption (per foot):

- High Output: 4.2W
- Super High Output: 8.4W

Lumen Output (per foot):

- High Output**
- Cool White 4000K: 241 lm
 - Neutral White 3500K: 207 lm
 - Warm White 3000K: 202 lm
- Super High Output**
- Cool White 4000K: 483 lm
 - Neutral White 3500K: 415 lm
 - Warm White 3000K: 404 lm

Light Distribution & Output:

The V-Rail optical system includes a unique reflector that allows you to put the light where it is needed. Factory preset distributions include 60° symmetric, 20° symmetric and 30° asymmetric.

Reflector System:

Internal reflector system is constructed of an innovative material that has 99% reflectance properties. Reflector allows up-to 140° total adjustment. Right to left side reflector panels are independently adjustable from -30° to 70°. When the outer reflector panel is adjusted toward a stairway, ramp or walkway, the reflector panel will act as a glare shield from distant viewing angles below an elevated-platform.

Optical Lens System:

High-impact acrylic lens is sealed with silicon. Lens is secured with (2) countersunk flush screws, (1) at each end. Vandal resistant "TORX" is also available. Consult factory.

Remote Mounting Power Supply:

Configured per project requirements. Supplies 24V electronically stabilized power to LED's. U.L. Class 2 output for safe operation. Housed to NEMA rated enclosures. Intense Lighting provides shop drawings and specification to satisfy Architect and Electrical Contractor.

Mounting / Installation:

Each rail support is secured to the swivel mount on specified mounting system. Wall, post or embedded mount is available. See mounting submittal sheets for detailed information.

Listings:

- UL Wet Location Listed. File #E333075
- IDA
- ADA compliant

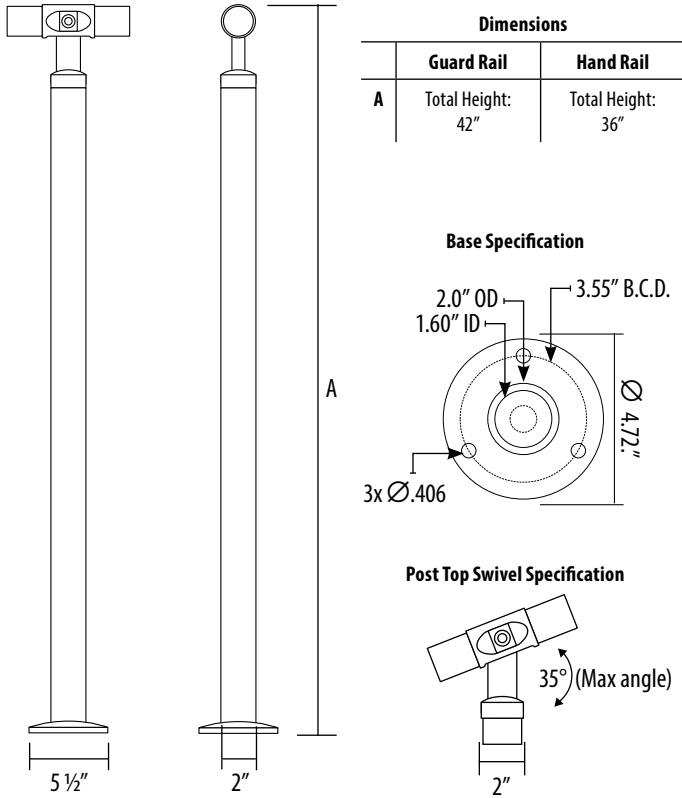




IVR2-RPS V-Rail Remote Power Supply

Post Mount

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Construction:

Post mount assembly is available in heavy duty steel alloy or No.4 polished 304 stainless steel. Standard aluminum finishes include silver, white, black, or bronze powder-coat. Consult factory for custom powder coat finishes (AAMA 2604).

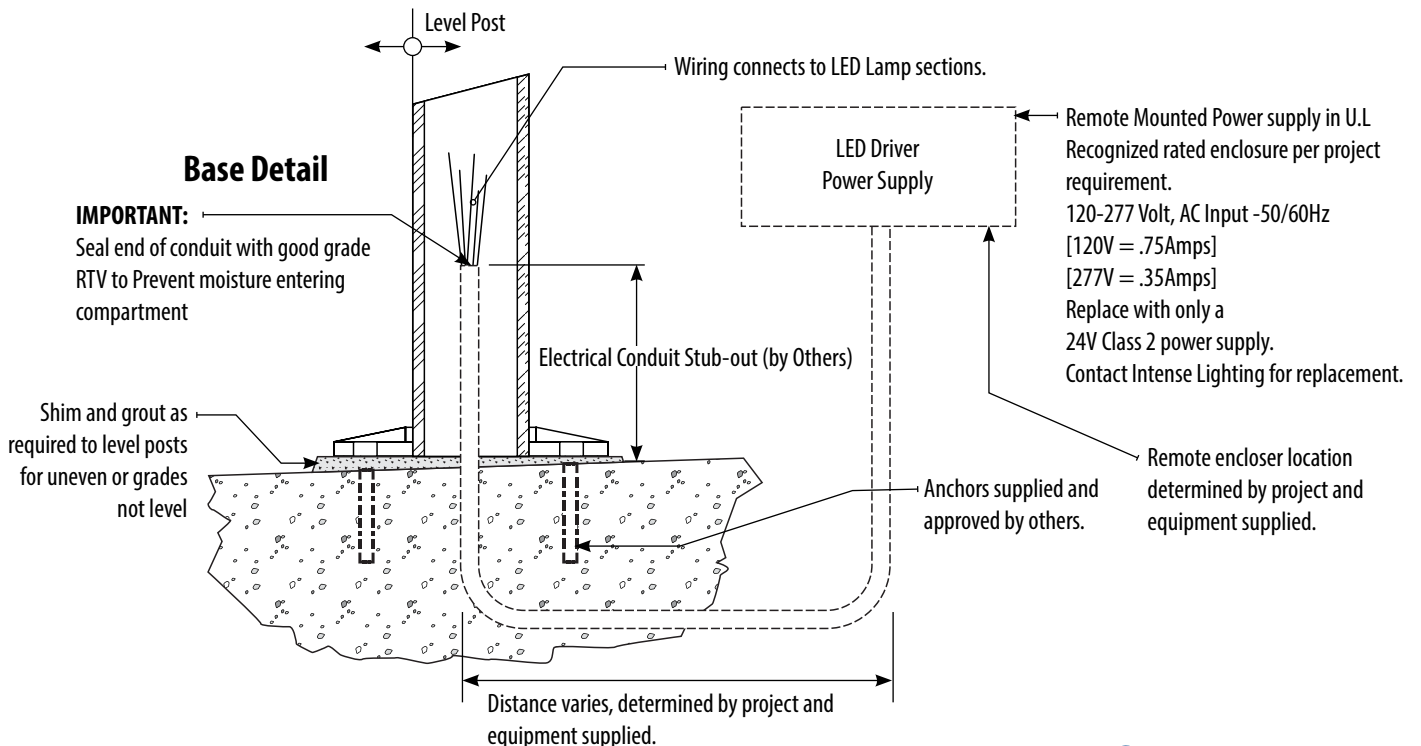
Mounting / Installation:

Post are to be spaced at a maximum of 60" and minimum of 24" on centers. Post mount is to be surface mounted to concrete utilizing 5/16" anchor bolts (supplied by others). Anchoring means and size must be determined by local codes. Not to be supplied or engineered by Intense Lighting. See post mount installation chart for more information. Anchorage template available by request.

Fittings:

Consult factory for standard fittings and epoxy weld adhesive.

Post Mount Installation Detail

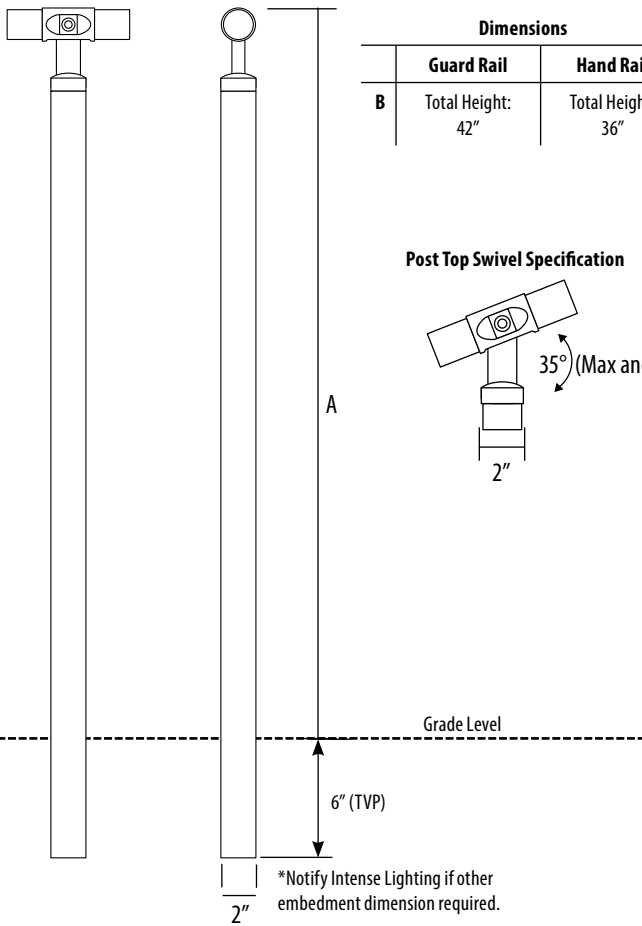




IVR2-RPS V-Rail Remote Power Supply

Embedded Post Mount

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Construction:

Embedded mount assembly is available in heavy duty steel alloy or No.4 polished 304 stainless steel. Standard aluminum finishes include silver, white, black, or bronze powder-coat. Consult factory for custom powdercoat finishes(AAMA 2604).

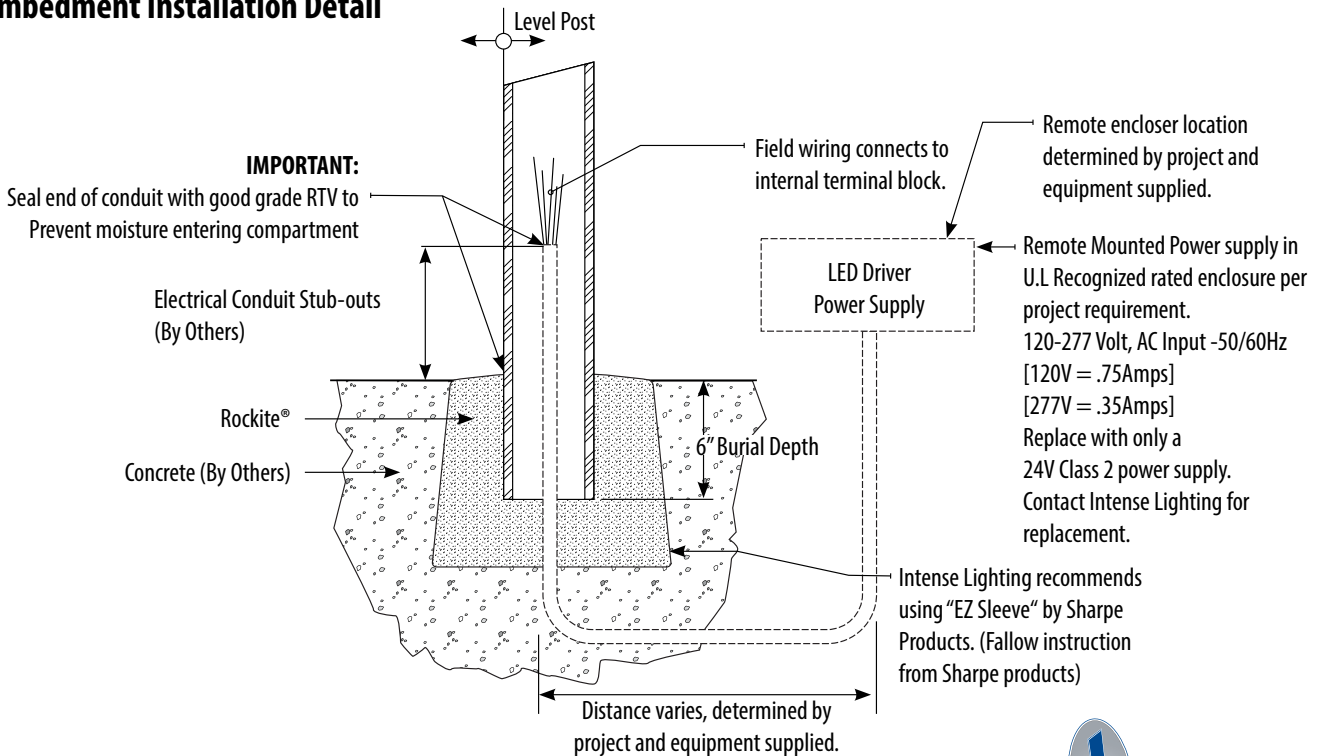
Mounting / Installation:

Post are to be spaced at a maximum of 60" and minimum of 24" on centers. Embedded mount post are set into place using Rockite® or Kwikset® anchor cement. A minimum of 6" post must be embedded into concrete to structurally secure post. Anchoring means and size must be determined by local codes. Not to be supplied or engineered by Intense Lighting. See Embedded Mount Installation chart for more information.

Fittings:

Consult factory for standard fittings and epoxy weld adhesive.

Embedment Installation Detail



VRAIL/M-041112 P-3

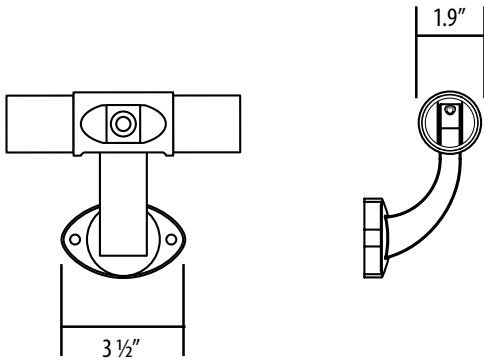




IVR2-RPS V-Rail Remote Power Supply

Wall Mount

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



Construction:

Wall mount assembly is available in heavy duty aluminum or No.4 polished 304 stainless steel. Standard aluminum finishes include silver, white, black, or bronze powder-coat. Consult factory for custom powdercoat finishes.

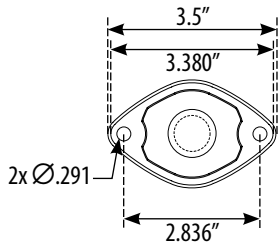
Mounting / Installation:

Post are to be spaced at a maximum of 60" and minimum of 24" on centers. Wall mount assembly is to be mounted to concrete wall utilizing 1/4" anchor bolts (supplied by others). Anchoring means and size must be determined by local codes. Not to be supplied or engineered by Intense Lighting. See Wall Mount Installation chart for more information. Anchorage template available by request.

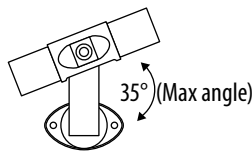
Fittings:

Consult factory for standard fittings and epoxy weld adhesive.

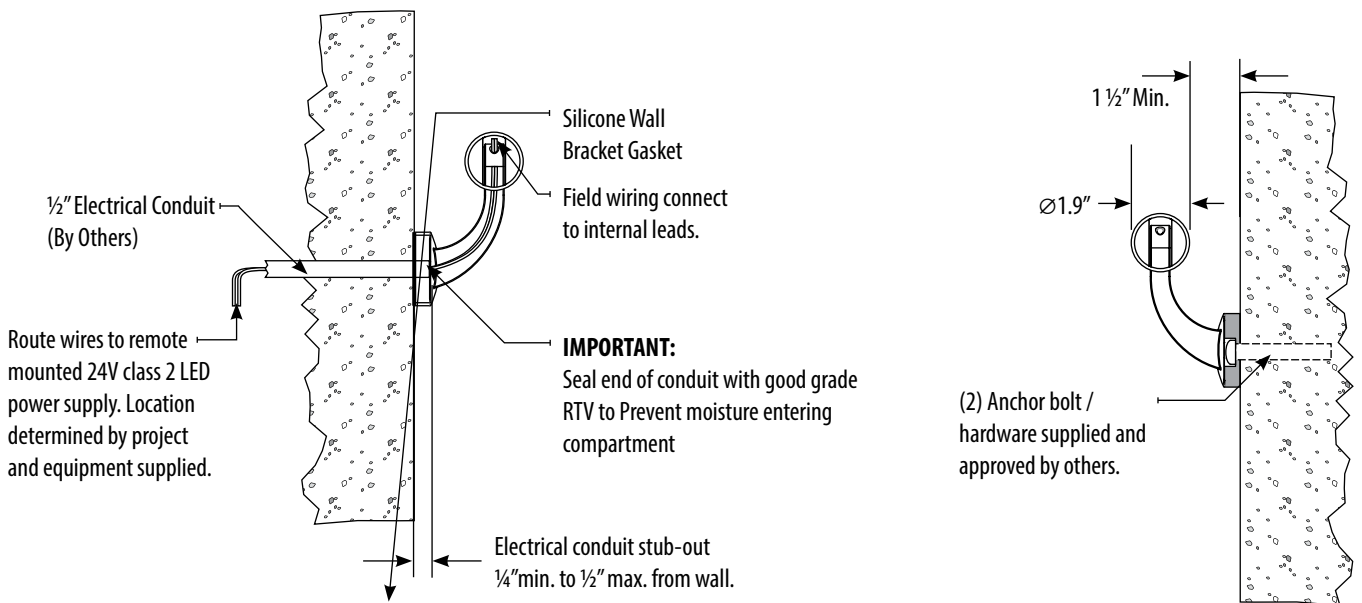
Wall Bracket Specification



Post Top Swivel Specification



Wall Mounted Installation Detail

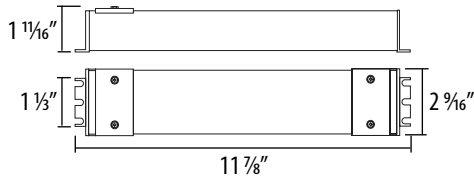




IVR2-RPS

Remote Power Supply - Wet Location No Enclosure Required

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	



IB-OT96 96W 24V Wet Location
IB-OT96-DIM 96W 24V Wet Location 0-10V Dimming

Features

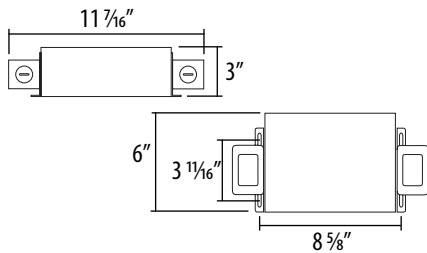
- Protected against open circuit, short circuit, overload and overheating issues
- Universal 120-277V input
- UL Wet location listed and FCC compliant
- Built in wiring compartments
- Integrated 0-10V dimming available

Specifications

- Input Power: 108-305VAC, 50/60 Hz, .91A @ 120VAC
- Output Power: 96W 24V DC
- Ambient Temperature Range: -22°F to 158°F (-30°C to 70°C)
- Weight: 2 lbs (.09 kg)
- Wiring: 18 AWG
- Classification: Class 2
- Protection Rating: IP66
- cUL Listed Wet location

Max Run Length (Post on 4' Center)

- High Output (HO) - 20'
- Super High Output (SHO) - 8'



IB-OT240-CH3 240W 24V 3 Channels Output 120-240V Input, Wet Location

Features

- Protected against open circuit, short circuit, overload and overheating issues
- Built in wiring compartments
- UL Wet location listed and FCC compliant
- 3 channel output with 80W max per channel

Specifications

- Input Power: 108-254VAC, 50/60 Hz, 2.39A @ 120VAC
- Output Power: 240W 24V DC (80W per channel)
- Ambient Temperature Range: -22°F to 158°F (-30°C to 70°C)
- Weight: 11 lbs (5 kg)
- Wiring: 18 AWG
- Classification: Class 2
- Protection Rating: IP66
- cUL Listed Wet location

Max Run Length per 80W Channel

- High Output (HO) - 16'
- Super High Output (SHO) - 8'

Maximum Mounting Distance (ft) to LED Input (at full load)

Power Supply	22 AWG	18 AWG	14 AWG	12 AWG
IB-OT96	7'	18'	46'	71'
IB-OT240	7'	22'	46'	71'
IB-ADV24V-347	7'	18'	46'	71'

Remote Wiring Limitation for Constant Voltage Power Supplies Due to EMI

All Constant Current power supplies are limited to **32ft maximum** remote mounting distance for EMI compliance (except NAED 51524 OT3/120-240/350 – 50ft).

Although it is possible to exceed the EMI limited remote mounting distance, it is the responsibility of the installer and/or end user to take precautions to prevent and/or test the effects of EMI on the installation. Additional EMC/EMI filters may be required on the output side of the power supply for compliance of installations above the limits given in Table 1.





IVR2-RPS

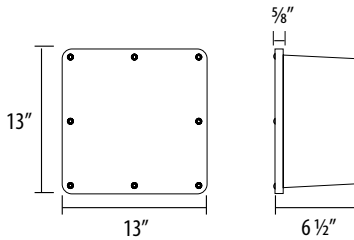
Remote Power Supply - Multiple Output Wet Location Enclosure

Nema 4x UL Listed Outdoor Rated PVC Boxes

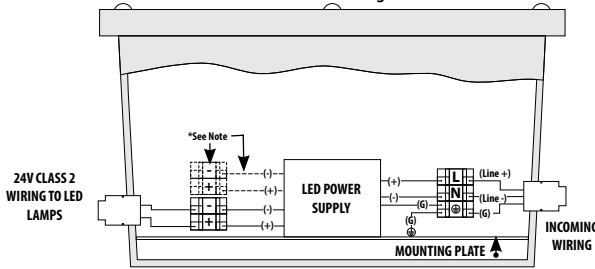
Non-Corroding, Non-Conducting, Fire Resistant, Concrete Tight



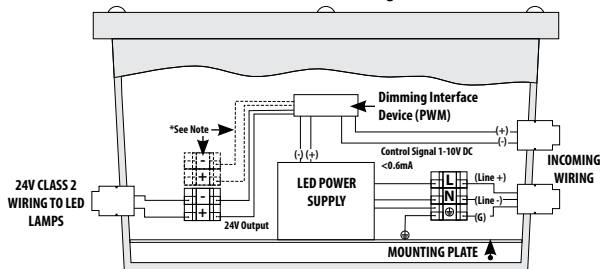
Suitable for Surface Mount and Recessed Mount



LED Remote Power Supply "No Dimming"



LED Remote Power Supply "With Dimming"



Wire gauge to be determined per project. Voltage drop occurs with distance. Any change in wire length requires re-engineering.

*Notes: Dash lines represent additional outputs when supplied per project.

All components inside enclosure are supplied by Intense lighting.

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

- IVR-RPS-1-0T96** (1) 96W 120/277V (1) 24V Outputs
- IVR-RPS-2-0T96** (2) 96W 120/277V (2) 24V Outputs
- IVR-RPS-3-0T96** (3) 96W 120/277V (3) 24V Outputs

Features

- Protected against open circuit, short circuit, overload and overheating issues
- Universal 120-277V input
- Suitable for damp and wet locations
- Easy connectivity to terminal blocks
- Integrated 0-10V dimming available

Specifications

- Input Power: 108-305VAC, 50/60 Hz, .91A @ 120VAC
- Output Power: 96W 24V DC
- Ambient Temperature Range: -22°F to 158°F (-30°C to 70°C)
- Classification: Class 2
- Protection Rating: IP66

Max Run Length (Post on 4' Center)

- High Output (HO) - 20'
- Super High Output (SHO) - 8'

IVR-RPS-0T-240-CH3 (1) 240W 24V 3 Channels 120-240V Input

Features

- Protected against open circuit, short circuit, overload and overheating issues
- Suitable for damp and wet locations
- Easy connectivity to terminal blocks
- UL Wet location listed and FCC compliant
- 3 channel output with 80W max per channel

Specifications

- Input Power: 108-254VAC, 50/60 Hz, 2.39A @ 120VAC
- Output Power: 240W 24V DC (80W per channel)
- Ambient Temperature Range: -22°F to 158°F (-30°C to 70°C)
- Classification: Class 2
- Protection Rating: IP66

Max Run Length per 80W Channel

- High Output (HO) - 16'
- Super High Output (SHO) - 8'

IVR-RPS-1-ADV24V-347 (1) 96W 347V (1) 24V Outputs

IVR-RPS-2-ADV24V-347 (2) 96W 347V (2) 24V Outputs

IVR-RPS-3-ADV24V-347 (3) 96W 347V (3) 24V Outputs

Features

- Protected against open circuit, short circuit, overload and overheating issues
- Ideal for projects in USA with 480V input
- Ideal for projects in Canada with 347V input

Specifications

- Input Power: 347-480VAC,
- Output Power: 100W 24V DC
- Ambient Temperature Range: -40°C to 65°C
- Classification: Class 2
- Protection Rating: IP66

Max Run Length (Post on 4' Center)

- High Output (HO) - 20'
- Super High Output (SHO) - 8'





IVR2-RPS V-Rail Remote Power Supply Specification Guide

Example: IVR2-RPS-ST-W-SHO27-60S-DIM-EM

(Specify quantity by foot)

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

A	B	C	D	E	F	G	H
A Family		C Mounting/Height		E LED Color		G Electrical	
IVR2-RPS 1.9" OD w/ Remote Power Supply		-W Wall Mount -P32 32" Post Mount -P42 42" Post Mount -E36 36" Embedded Mount -E42 42" Embedded Mount		27 2700K Warm White 30 3000K Warm White 35 3500K Neutral White 40 4000K Cool White		blank 120/277V -DIM 120/277V Dimming -347 347V -480 480V	
B Finish		D LED Output		F Light Distribution		H Options	
-ST 304 Stainless Steel ¹ -W White Aluminum -B Black Aluminum -BR Bronze Aluminum -SV Silver Aluminum -SN Brushed Satin Nickel Aluminum ²		-HO High Output -SHO Super High Output -NL No LED (Rail Only) ³		-60S 60° Symmetric -20S 20° Symmetric -30AS 30° Asymmetric		-EM Emergency -I Infill ²	

Notes:

1 - 316 stainless steel available by special order

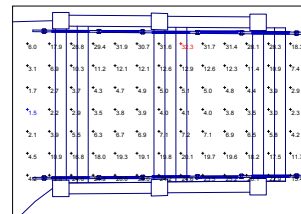
2 - Special order, consult factory

3 - No LED (rail only). Please omit sections E, F, G, and H

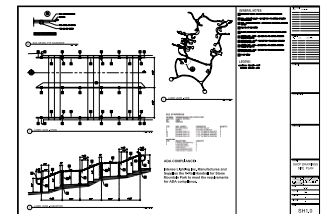
Specification and Delivery Process

Architectural drawings or detailed elevation drawings are required for a V-Rail quotation. A photometric layout will be provided if requested. Once an order is placed, Intense Lighting will provide detailed shop drawings for approval.

V-Rail will be delivered to the job site ready for installation. A detailed assembly drawing will be provided along with dimensions and locations for remote power supplies. All products included will be labeled clearly to match the assembly drawing. Certain tools and equipment will be required for the assembly of V-Rail. A detailed list of tools can be found in the V-Rail Installation Guide. Installation guide available upon request, consult factory.



Photometric Layout



Shop Drawing / Assembly Guide



Completed Project

Notes:

