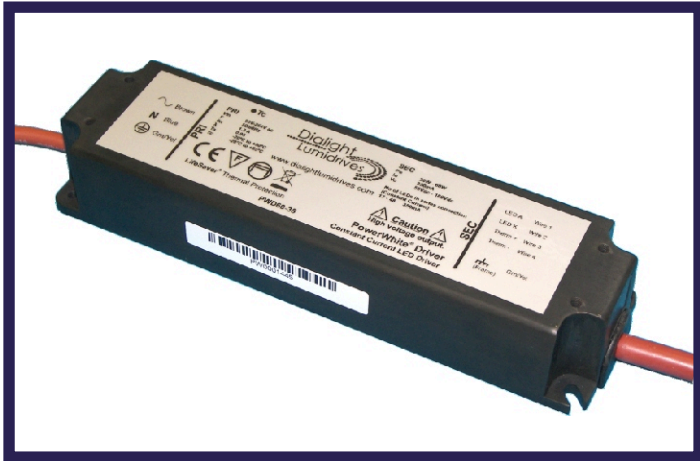




# PowerWhite<sup>®</sup> Driver

60W LED Drivers (350mA and 700mA)



## APPLICATIONS

- ▲ Roadway Lighting
- ▲ Tunnel Lighting
- ▲ Hazardous Area Lighting
- ▲ Signage Illumination
- ▲ Architectural and Display Lighting
- ▲ Any application demanding High Power, High Reliability, Long Life and Rugged Construction

## ENVIRONMENTAL

- ▲ Operating Ambient Temp. -20°C to +50°C
- ▲ Operating Case Temp. -20°C to +85°C
- ▲ Ambient Storage Temp. -40°C to +100°C
- ▲ Max. Operating Humidity 95%
- ▲ Ingress Protection IP67
- ▲ MTBF (@50°C) 50K Hours

## MECHANICAL SPECIFICATION

- ▲ Size 191mm x 53mm x 33mm
- ▲ Casing ADC10 Diecast Aluminium
- ▲ Finish Black Hard Anodised
- ▲ Internal Encapsulated to IP67
- ▲ Fixing Method 4 x M3 Screws (Not Supplied)
- ▲ I/P Cable Length 300mm
- ▲ O/P Cable Length 300mm

Dialight-Lumidrives Ltd.  
 York House - Wetherby Road - Long Marston - York - YO26 7NH - UK  
 Tel: +44 (0)1904 739168 - Fax: +44 (0)1904 737926 - www.dialightlumidrives.com

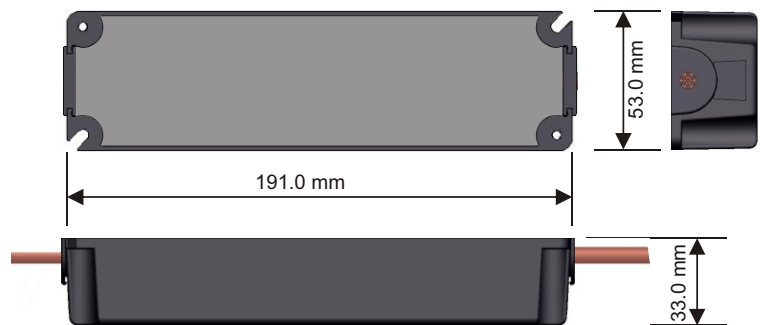
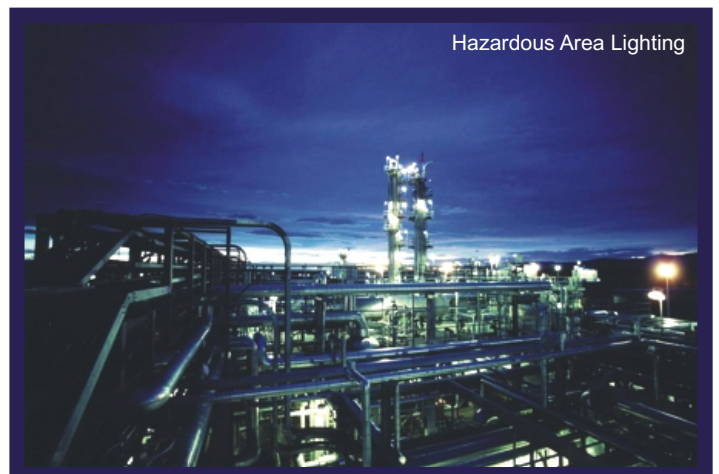
Power-White<sup>®</sup> Driver Datasheet - Iss-F

## FEATURES / BENEFITS

- ▲ Universal Input - 90V to 264Vac input range.
- ▲ High O/P Power - 20W - 60W power output range.
- ▲ 2 x Output Current Options - 350mA or 700mA drive current (typ: 48 @ 350mA, 26 @ 700mA)
- ▲ High Reliability - No electrolytic capacitors
- ▲ Thermal Stability - Used in high ambient temperature applications.
- ▲ Lifesaver<sup>™</sup> - LED thermal feedback protection.
- ▲ High Power Factor
- ▲ IP67 Rated - Fully encapsulated construction.
- ▲ Sturdy Casing - Fully Diecast Enclosure.
- ▲ ATEX Pending - ATEX approval pending for hazardous area lighting.

Universal input LED drivers with high-voltage DC output, delivering a total output power of 60W, ideal for industrial LED lighting solutions.

## TYPICAL APPLICATION

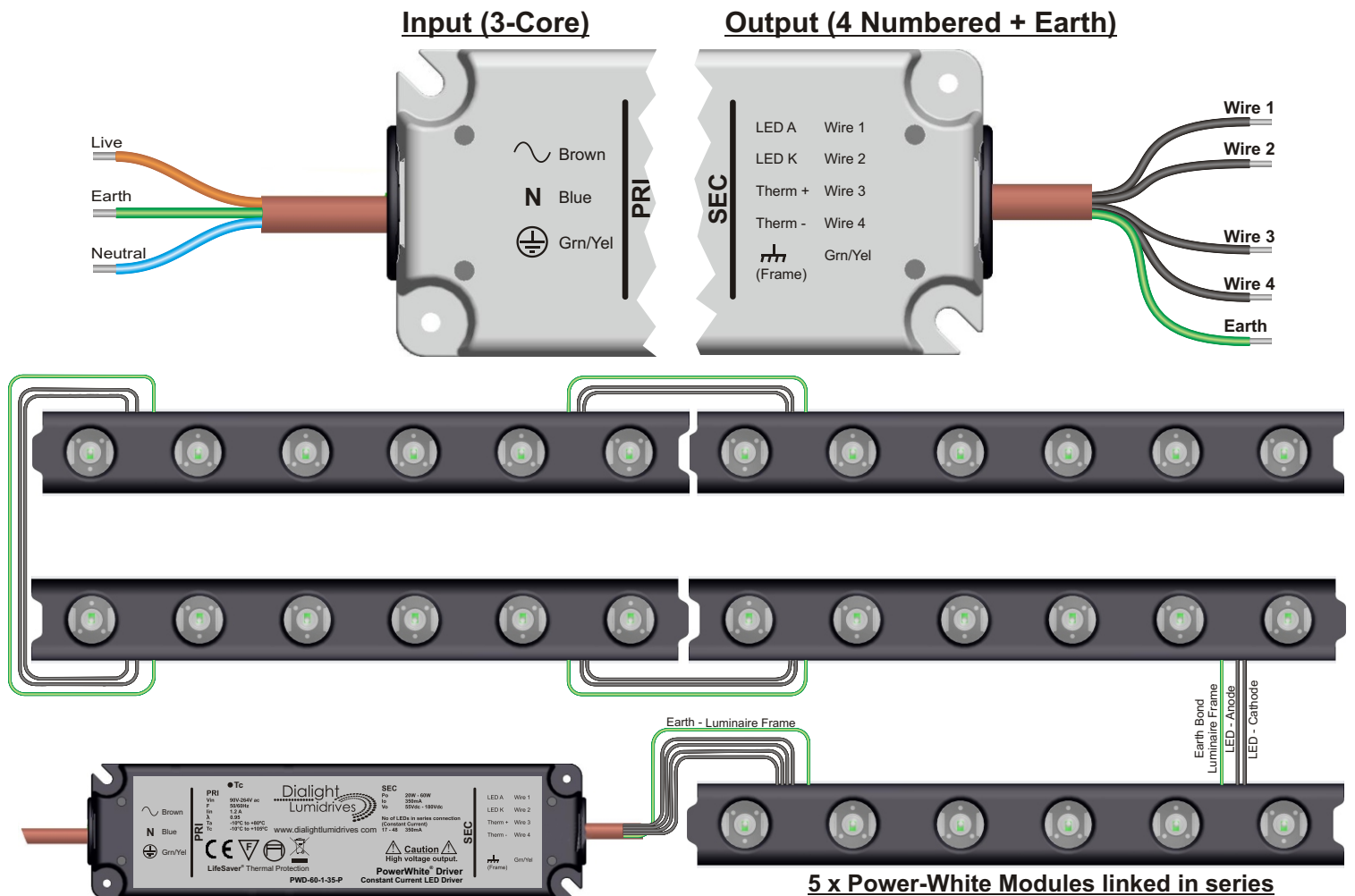


Dimensions

Dialight Corporation  
 1501 Route 34 South - Farmingdale - NJ - 07727 - USA  
 Tel: (1) 732 919 3119 - Fax: (1) 732 751 5778 - www.dialight.com

A55-PWD60-35-70-DT-F

# TYPICAL CONNECTION



## ELECTRICAL SPECIFICATION

### Input

Voltage ( $V_{in}$ )	110Vac to 240Vac
Frequency (f)	50 / 60Hz
Power Factor ( $\lambda$ )	0.90 (Typical)
Input Current ( $I_{in}$ )	1.2 Amps max.
Line Current	Active Control
Inrush Current	<2 Amps

### Output

Voltage Range	55Vdc-180Vdc (350mA) 20Vdc-104Vdc (700mA)
Maximum Power	60W
Minimum Power	20W
Output Current ( $I_{out}$ )	350mA $\pm$ 5% (Pre-Set) 700mA $\pm$ 5% (Pre-Set)
No. Of LEDs	17 to 48 @ 350mA 8 to 26 @ 700mA
Output Control	Constant Current
Power Supply Protection	Over-Temp. Cut Off Open-Circuit Cut Off Thermistor Circuit
LED Protection Connection	Wires

## WIRE DESCRIPTION

### Input

Brown	110Vac to 240Vac Live
Blue	Neutral
Green	Mains Earth

### Output

Wire 1	LED Anode (Series LEDs)
Wire 2	LED Cathode (Series LEDs)
Wire 3	Thermistor +
Wire 4	Thermistor -
	(Thermistor feedback from )
	(LED PCB - NTC Type. )
	(EPCOS )
	(B57620C0472 - 70°C Cut-off)
	(B57620C0103 - 70°C Cut-off)
Green/Yellow	Earth Bond - Luminaire Frame

## PRODUCT CODES AND DESCRIPTION

**PWD-60-1-35-P**  
**PWD-60-1-70-P**

**Power-White Driver 350mA - IP67**  
**Power-White Driver 700mA - IP67**

*Dialight-Lumidrives Ltd. reserves the right to make changes to this product at any time in order to supply the best possible product.*