

## PGAM 40W-60W AUX IP30

American gauge



### Product family features

- Rated input voltage: 347-480V/ac
- Input voltage range: 312-528V/ac
- THD<20%
- Operating temperature: -25°C~+55°C
- Max. case temperature: 90°C
- Protection grade: IP30
- Protections: Short circuit, overload, no-load, Over temperature protection
- Warranty: 5 years
- Application: : Linear high Bays, low Bays, Round High Bays, Strip Lights

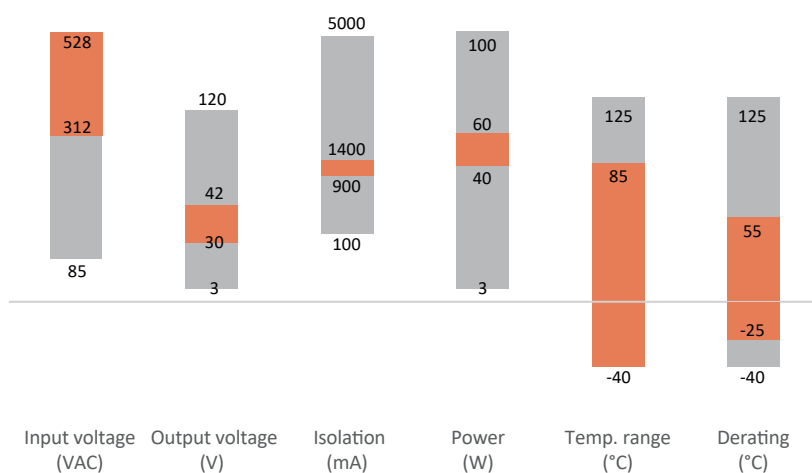


### Areas of application

- Industrial lighting



### Summary



# Product datasheet

## Technical data

### Electrical data

| Product Modle         | Rated Power | Input Voltage | Output Current | Output Voltage Range | Power Factor | Efficiency | Size          | Certification |
|-----------------------|-------------|---------------|----------------|----------------------|--------------|------------|---------------|---------------|
| PGAM040C0900VSLM2-AUX | 40W         | 347-480V      | 900mA          | 30-42V               | 0.9          | 83%        | 242*45*30.5mm | UL            |
| PGAM040C0950VSLM2-AUX | 40W         | 347-480V      | 950mA          | 30-42V               | 0.9          | 83%        | 242*45*30.5mm | UL            |
| PGAM040C1000VSLM2-AUX | 40W         | 347-480V      | 1000mA         | 30-42V               | 0.9          | 83%        | 242*45*30.5mm | UL            |
| PGAM050C1050VSLM2-AUX | 50W         | 347-480V      | 1050mA         | 30-42V               | 0.9          | 83%        | 242*45*30.5mm | UL            |
| PGAM050C1100VSLM2-AUX | 50W         | 347-480V      | 1100mA         | 30-42V               | 0.9          | 83%        | 242*45*30.5mm | UL            |
| PGAM050C1150VSLM2-AUX | 50W         | 347-480V      | 1150mA         | 30-42V               | 0.9          | 83%        | 242*45*30.5mm | UL            |
| PGAM050C1200VSLM2-AUX | 50W         | 347-480V      | 1200mA         | 30-42V               | 0.9          | 83%        | 242*45*30.5mm | UL            |
| PGAM060C1250VSLM2-AUX | 60W         | 347-480V      | 1250mA         | 30-42V               | 0.9          | 84%        | 242*45*30.5mm | UL            |
| PGAM060C1300VSLM2-AUX | 60W         | 347-480V      | 1300mA         | 30-42V               | 0.9          | 84%        | 242*45*30.5mm | UL            |
| PGAM060C1350VSLM2-AUX | 60W         | 347-480V      | 1350mA         | 30-42V               | 0.9          | 84%        | 242*45*30.5mm | UL            |
| PGAM060C1400VSLM2-AUX | 60W         | 347-480V      | 1400mA         | 30-42V               | 0.9          | 84%        | 242*45*30.5mm | UL            |

### Electrical Specifications

| Category | Item                      | Technical Norm               |
|----------|---------------------------|------------------------------|
| Input    | Rated Input Voltage       | 347-480VAC                   |
|          | Range of Input Voltage    | 312-528VAC                   |
|          | Frequency                 | 50/60Hz                      |
|          | Input Current             | ≤0.22A(347VAC,full load)     |
|          | Input Power               | ≤72W(347VAC,full load)       |
|          | Power Factor              | ≥0.9(347-480VAC,full load)   |
|          | THD                       | <20% (347-480VAC,full load)  |
|          | No-load Power Consumption | ≤3W                          |
|          | inrush Current            | <65A (480VAC)                |
|          | Leakage current           | <0.75mA (480VAC)             |
| output   | Current Accuracy          | ≤±5%                         |
|          | Load regulation           | ≤±3%                         |
|          | Line regulation           | ≤±3%                         |
|          | Max. Output Power         | 58.8W+2.4W                   |
|          | Started Delay Time        | ≤0.75S(347-480VAC,full load) |
|          | Current Ripple            | <±5% Output current          |

## Product datasheet

### Technical data

#### Electrical Specifications

|              |                                   |                                                                             |
|--------------|-----------------------------------|-----------------------------------------------------------------------------|
| AUX output   | Scintillation index               | <0.05                                                                       |
|              | Scintillation percentage          | <10%                                                                        |
|              | Range of Output Voltage           | 12V $\pm$ 5%                                                                |
|              | Range of Output Current           | 0-200mA                                                                     |
| Dimming      | Dimming Type                      | 0-10V Dimming DIM OFF                                                       |
|              | Features                          | Isolation Dimming                                                           |
|              | DIM OFF Voltage                   | 0.6-0.8V                                                                    |
|              | DIM ON Voltage                    | 0.7-0.9V                                                                    |
| Protection   | Short Circuit Protection          | Auto Recovery                                                               |
|              | Overload Protection               | Auto Recovery                                                               |
|              | No-load Protection                | Auto Recovery                                                               |
| Environment  | Ta/Operation Temperature          | -25....+55°C                                                                |
|              | Ts/Storage Temperature            | -40....+85°C                                                                |
|              | Tc/Enclosure Temperature          | 90°C                                                                        |
|              | Humidity                          | 10%....90%RH                                                                |
| Construction | Connection Method                 | Wire                                                                        |
|              | Installation                      | Independent external                                                        |
|              | Input wire specification          | UL1015 18AWG 105°C 600V 单股线/ UL1569 18AWG 105°C 600V 单股线                    |
|              | Output wire specification         | UL1015 18AWG 105°C 300V 单股线/ UL1569 18AWG 105°C 300V 单股线                    |
|              | 0-10V Dimmable wire specification | UL1015 18AWG 105°C 300V 单股线/ UL1569 18AWG 105°C 300V 单股线                    |
|              | 12V AUX wire specification        | UL1015 18AWG 105°C 300V 单股线/ UL1569 18AWG 105°C 300V 单股线                    |
|              | Dimension                         | 242*45*30.5mm                                                               |
| Standards    | Safety Standards                  | Conform UL, cUL, UL8750 Class 2                                             |
|              | EMC Standards                     | Conform FCC Part 15 Class A, Compliance to EN 61547/1995+ A1/2000           |
| Others       | MTBF                              | 300000h measured at full load, 25°C ambient temperature MIL-HDBK-217F(25°C) |
|              | Life Time                         | 50000h @55°C(Ta)/90°C(Tc)                                                   |

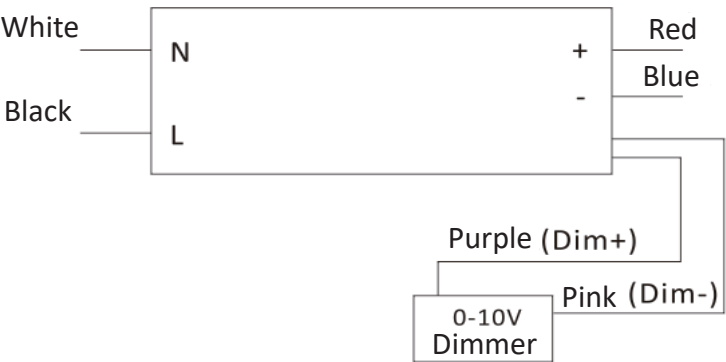
# Product datasheet

## Technical data

### Electrical Specifications

|        |                                                                                                                                                                                                                                              |         |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|        | Warranty                                                                                                                                                                                                                                     | 5 years |
| Remark | Power supply is considered as a component and used in combination with terminal equipment, because EMC is affected by the whole set of equipment, the manufacturer of terminal equipment needs to re-emc confirm the whole set of equipment. |         |

### Installation

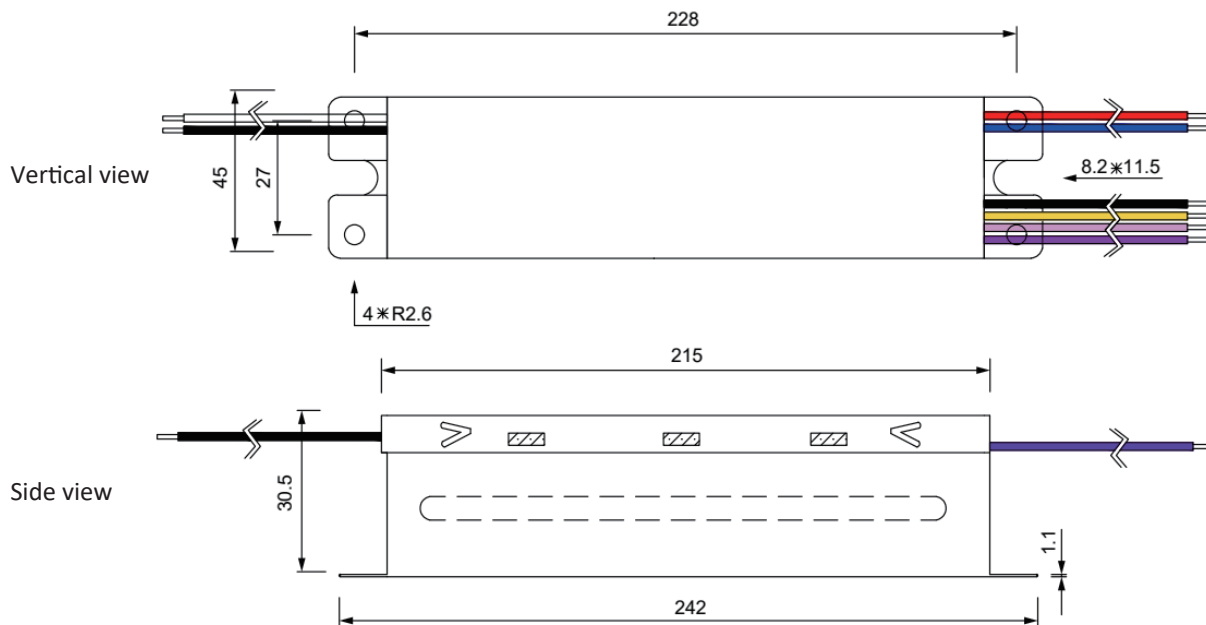




## Product datasheet

### Appearance information

#### Dimensions



#### Label

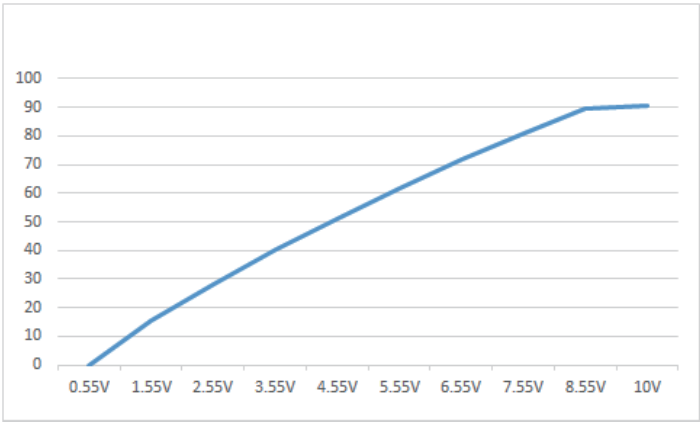
##### The sample label

|                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                     |                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <br><b>PGAM060C1400VSLM2-AUX</b><br>Input: 72W 220mA @Vin = 347V PF > 0.9@full load<br>Output: 30-42VDC 1400mA<br>Pout: 58.8W 0-10V Dimming AUX: 12VDC 0-200mA<br>Class 2 Power Supply For use with dry or damp location only<br>For Connections Use Wire Rated for at least 90°C (194° F)<br>Class P | <b>CONSTANT CURRENT</b><br>Dimmable LED Driver                                                                                                                                                                      | <b>347-480V 50/60Hz</b> |
|                                                                                                                                                                                                                                                                                                       | <p>CAUTION<br/>DISCONNECT LINE VOLTAGE BEFORE<br/>INSTALLING OR REPLACING. CASE MUST<br/>BE GROUNDED</p> <p><b>RoHS</b> <b>UL</b> <b>US</b><br/>ES214657</p> <p><b>www.pairuigroup.com</b> <b>Made in China</b></p> |                         |

# Product datasheet

## Appearance information

The dimming curve



## Packaging information

| Carton<br>L*W*H(mm) | Pcs/Carton | weight/Pcs(kg) | weight/Carton(kg) | Gross weight/<br>Carton(kg) |
|---------------------|------------|----------------|-------------------|-----------------------------|
| 365*260*125         | 18         | 0.48           | 8.64              | 9.2                         |