

PAQ230G6MV

Ballast Type: Electronic
Input Voltage: 100-240Vac ±10%
Input Frequency: 50/60Hz

Starting Method: Programmed Start
Lamp Connection: Parallel
Housing: 22ga 5052 H43 Aluminum

Weight: 3.50 lbs.
Carton Qty: 6
Skid Qty: 288

LAMP TYPES:

| No. of Lamps | Lamp Type | Approx. Lamp Length (in) | Typical Lamp Watts (W) | Lamp Voltage (V) | Lamp Current (mA) |
|--------------|---------------------------------|--------------------------|------------------------|------------------|-------------------|
| 2 or 1 | G16T5/OF | 11 | 16 | 43 | 400 |
| 2 or 1 | G16T5L/4PSE | 13 | 16 | 43 | 400 |
| 2 or 1 | G20T5L/4PSE | 17 | 20 | 45 | 450 |
| 2 or 1 | G30T8 | 35 | 30 | 100 | 370 |
| 2 or 1 | G30T8/OF | 35 | 30 | 96 | 370 |
| 2 or 1 | G36T5L/4 | 33 | 41 | na | 425 |
| 2 or 1 | G36T5L/4PSE | 34 | 36 | 94 | 430 |
| 2 or 1 | G36T8 | 47 | 36 | 103 | 430 |
| 2 or 1 | G36T8/OF | 47 | 36 | 103 | 440 |
| 2 or 1 | G64T5L/4 | 61 | 75 | na | 425 |
| 2 or 1 | GCL36T5L/Cell, GCL36T5VH/Cell | 33 | 41 | 98 | 425 |
| 2 or 1 | GCL436T5L/Cell, GCL436T5VH/Cell | 17 | 21 | 51 | 425 |
| 2 or 1 | GCL793T5L/Cell, GCL793T5VH/Cell | 31 | 38 | 92 | 425 |
| 2 or 1 | GFT18DL/2G11/SE/OF | 9 | 18 | 58 | 380 |
| 2 or 1 | GPH450T5L/4, GPH450T5VH/4 | 18 | 21 | na | 425 |
| 2 or 1 | GPH463T5L | 17 | 21 | na | 425 |
| 2 or 1 | GPH463T5L/4, GPH463T5VH/4 | 17 | 21 | na | 425 |

(Continued)

| No. of Lamps | Lamp Type | Approx. Lamp Length (in) | Typical Lamp Watts (W) | Lamp Voltage (V) | Lamp Current (mA) |
|--------------|---------------------------|--------------------------|------------------------|------------------|-------------------|
| 2 or 1 | GPH508T5L/4P | 20 | 24 | na | 425 |
| 2 or 1 | GPH620T5L/4, GPH620T5VH/4 | 24 | 29 | na | 425 |
| 2 or 1 | GPH711T5L/4P | 28 | 34 | na | 425 |
| 2 or 1 | GPH793T5L, GPH793T5VH | 31 | 37 | na | 425 |
| 2 or 1 | GPH793T5L/4, GPH793T5VH/4 | 31 | 37 | 105 | 425 |
| 2 or 1 | GPH793T5L/4 | 31 | 37 | 105 | 425 |
| 2 or 1 | GPH793T5L/4P | 31 | 37 | 105 | 425 |
| 2 or 1 | GPH810T5L/4, GPH810T5VH/4 | 32 | 38 | na | 425 |
| 2 or 1 | GPL36K | 16 | 36 | 106 | 435 |
| 2 or 1 | LTC40T5SE | 33 | 41 | 98 | 425 |
| 2 or 1 | PLL18W/TUV | 9 | 18 | 60 | 370 |
| 2 or 1 | PLL36W/TUV | 16 | 36 | 105 | 440 |
| 2 or 1 | TUV 18W | 9 | 18 | 60 | 370 |
| 2 or 1 | TUV 30W | 35 | 30 | 100 | 370 |
| 2 or 1 | TUV 36W | 47 | 36 | 103 | 430 |
| 2 or 1 | TUV PL-L 18W/4P | 8 | 18 | 60 | 370 |
| 2 or 1 | TUV PL-L 36W/4P | 15 | 36 | 105 | 440 |

This ballast should be acceptable for use with the lamps listed in this document. However, Robertson has not yet certified the compatibility of the specific ballast/lamp combinations listed.

ELECTRICAL

- Start Time(sec): 2.4
- High Power Factor
- Ballast Shut Down at Open Load
- Internal Fuse
- Output Voltage U <280V
- Arc Voltage 28V-100V
- End of Lamp Life Protection
- Not for Current Interrupting

EMISSIONS (Conducted and Radiated Emissions)

- EN 55011:1998 - Industrial, Scientific, and Medical (ISM) Radio-Frequency Equipment – Radio Disturbance Characteristics – Limits and Methods of Measurement
- Meets FCC Part 18-307C (Class B) for EMI and RFI Consumer Limits
- EN 61000-3-2 Limits for Harmonic Current Emissions
- EN 55015:2013/A1:2015

PHYSICAL

- Solid Single Leads
- UL1316 18AWG
- Lead Tolerance +1.00-0.50, Strip 0.375" +0.06
- FR-4 PCB Dbl Sided Plated Thru Holes
- ON/OFF Rocker Switch
- Two LED Lamp Indicators
- LED Power Good Indicator

IMMUNITY PROTECTIONS

- EN 61547:1995 Immunity standard for lighting equipment.
- ANSI C62.41 for Transient Immunity.
- EN 61000-4-2:2001 Electrostatic discharges (ESD) immunity.
- EN 61000-4-3:1996 Radiated electromagnetic field immunity.
- EN 61000-4-4:1995 Electrical fast transients (EFT)/Burst immunity.
- EN 61000-4-5:1995 Surge transient immunity.
- EN 61000-4-6:1996 Immunity to RF conducted disturbances.
- EN 61000-4-8:1993 Power Frequency magnetic field immunity test.
- EN 61000-4-11:1994 Voltage dips, short interruptions and voltage variations (Tables 2&3 below) in accordance with the provisions of the 89/336/EEC EMC-directive, including amd. 92/31/EEC and 93/68/EEC.
- EN 61000-6-2: 2001 (reference document EN 61000-4-5), including surges to 2.0kV between phase to neutral (differential mode) and 4.0kV between phase to earth and neutral to earth (common mode).
- EN 61000-4-11 Voltage Supply Immunity

| Condition | Duration | Reaction |
|------------------------------|----------|--|
| 30% Reduction of Minimum Vin | 10mSec | Luminance Reduction allowed |
| 60% Reduction of Minimum Vin | 100mSec | Luminance Reduction allowed |
| 95% Reduction of Minimum Vin | 5000mSec | Extinguish Permitted, but no driver damage |
| 100% Reduction of Vin | 3 Cycles | Luminance Reduction allowed |

SAFETY & CERTIFICATIONS

- UL 935 (Class P, Type CC, Type1 Outdoor, Type HL)
- cULus, CE, CCC
- Leakage Current to UL/935 Standard
- EN 61347-1:2001
- EN 61347-2-1:2001
- EN 61347-2-3:2000
- RoHS EU Directive 2011/65/EU&2015/863 Amendment (RoHS 3)
- Anti-Arcing
- Output Short Circuit Protection
- Output Open Circuit Protection
- Restrike Attempts = 2
- Inrush Current <40 AMPS
- Meets ANSI Standard C62.41 for Transient Protection
- Meets ANSI Standard C82.11 for Ballast Requirements
- Sound Rated A

APPLICATION

- Maximum Case Temperature 194°F/90°C
- Maximum Ambient Temperature 122°F/50°C
- Minimum Starting Temperature 0°F/-18°C
- Lamp Starts >50,000 Starts
- Remote Mounting 20 ft. Max. Lead Length, 18AWG Shielded or in Conduit

LED SPECIFICATIONS:

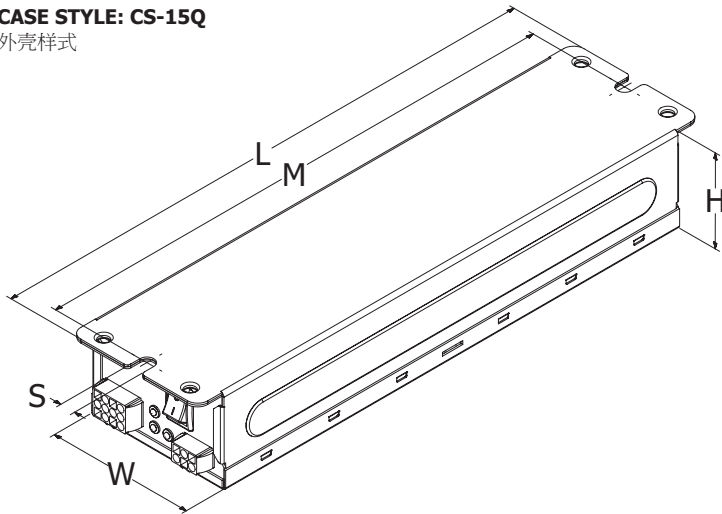
| LED | Recommended Max. LED Rating | Output Voltage (Vdc) | Output Current (mA) | O.C.V. (Vdc) | |
|-------|-----------------------------|----------------------|---------------------|--------------|---------------------|
| Power | 2.0V, 20mA | 2.0 | 1.0 | 2.5 | LED Is Not Isolated |
| Lamp | 2.0V, 20mA | 2.0 | 2.0 | 4.7 | LED Is Isolated |

WARRANTY:

Robertson Worldwide warrants to the purchaser that this product will be free from defects in material or workmanship for a period of 5 years from date of manufacture when properly installed and under normal condition of use. Specifications subject to change without notice.
For more information on Robertson Worldwide products, visit www.RobertsonLighting.com

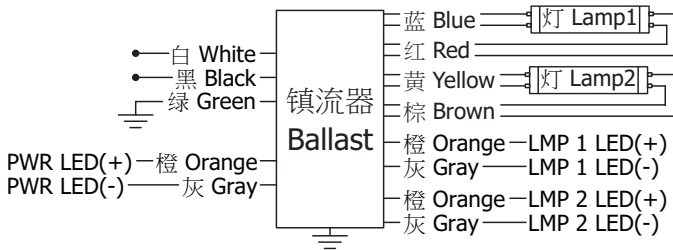
PAQ230G6MV

CASE STYLE: CS-15Q
外壳样式



| L | W | H | M | S |
|----------|--------|---------|--------|--------|
| 11-11/16 | 3-1/8 | 1-22/23 | 11-1/8 | 5/16 |
| 11.69 | 3.13 | 1.95 | 11.10 | 0.32 |
| 29.7cm | 7.95cm | 4.95cm | 28.2cm | 0.81cm |

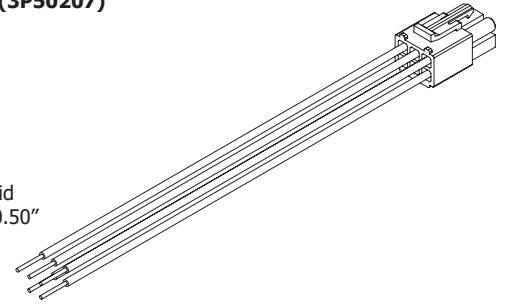
WIRING DIAGRAM: WD-065B
接线图



For 1 Lamp Application Cap Any Unused Leads, Insulate to 600 Volts.

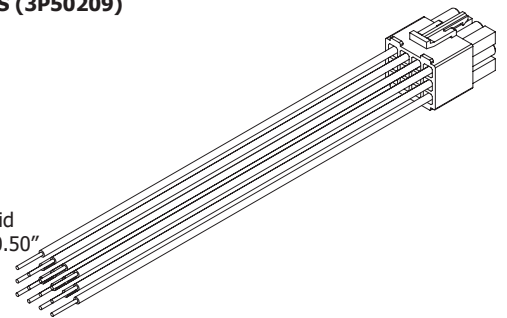
INPUT WIRE HARNESS (3P50207)
输入线束

- 白 White 12"
- 黑 Black 12"
- 绿 Green 12"
- 橙 Orange 12"
- 灰 Gray 12"
- UL1316 18AWG 实芯 Solid
- 公差 Tolerance: +1.00,-0.50"
- 带 Strip: 0.375" ±0.060



OUTPUT WIRE HARNESS (3P50209)
输出线束

- 蓝 Blue 12"
- 红 Red 12"
- 黄 Yellow 12"
- 棕 Brown 12"
- 橙 Orange (2) 12"
- 灰 Gray (2) 12"
- UL1316 18AWG 实芯 Solid
- 公差 Tolerance: +1.00,-0.50"
- 带 Strip: 0.375" ±0.060



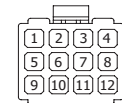
CONNECTOR WIRE LAYOUT
连接器线布局

输入 INPUT



1. 绿 Green (地线 Ground)
2. 黑 Black (火线 Live)
3. 橙 Orange (输入 PWR LED+)
4. NC
5. 白 White (零线 Neutral)
6. 灰 Gray (输入 PWR Led-)

输出 OUTPUT



1. 蓝 Blue (灯 Lamp1)
2. 蓝 Blue (灯 Lamp1)
3. 红 Red (灯 Lamp1)
4. 红 Red (灯 Lamp1)
5. 黄 Yellow (灯 Lamp2)
6. 黄 Yellow (灯 Lamp2)
7. 棕 Brown (灯 Lamp2)
8. 棕 Brown (灯 Lamp2)
9. 灰 Gray (输出 LMP LED2-)
10. 橙 Orange (输出 LMP LED2+)
11. 灰 Gray (输出 LMP LED1-)
12. 橙 Orange (输出 LMP LED1+)

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