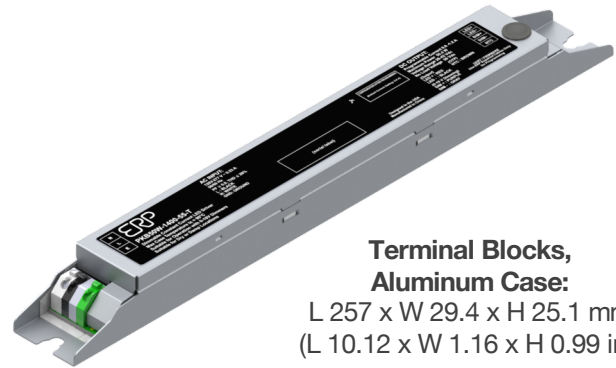
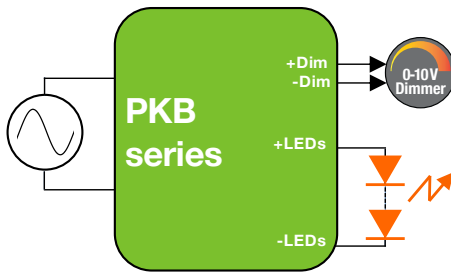


65, 50, & 30 W Programmable Constant Current Class 2 LED Driver with 0-10 V Dimming

Input Voltage	Max. Output Power	Efficiency	Max. Case Temperature	THD	Power Factor	Dimming Method	Dimming Range	Startup Time
120 - 277 Vac	65 W	up to 90% typical	90°C (measured at the hot spot)	< 20%	> 0.9	Programmable 0 - 10 V	1 - 100% (% of Iout)	300 ms typical



Terminal Blocks, Aluminum Case:
 L 257 x W 29.4 x H 25.1 mm
 (L 10.12 x W 1.16 x H 0.99 in.)

FEATURES

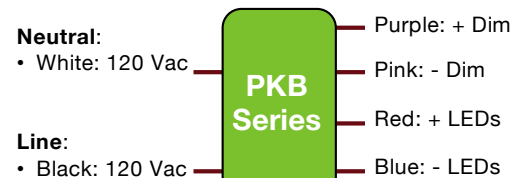
- UL Class P
- Class 2 output
- Lifetime: 5 years @ $T_c \leq 75^\circ\text{C}$
- 90°C maximum case hot spot temperature
- Surge protection:
 - IEC61000-4-5: 2 kV line to line/2 kV line to earth
 - 2.5 kV ring wave: ANSI/IEEE c62.41.1-2002 & c62.41.2-2002 category A
- Complies with ENERGY STAR®, DLC (DesignLight Consortium®), and CA Title 24 technical requirements

PROGRAMMING

- Audio jack programming
- Current: see page 2 for current range
- 0-10V dimming profiles: Linear, Non-linear, Logarithmic
- Data log read: SKU, S/N, lot code, hours of operation, FW rev., power cycles

APPLICATIONS

- Commercial & residential lighting
- Architectural lighting
- Indoor Lighting



Wiring Diagrams



65, 50, & 30 W Programmable Constant Current Class 2 LED Driver with 0-10 V Dimming

1 - ORDERING INFORMATION

Part Number	Input Voltage (Vac)	Max Output Power (W)	Iout (mA)	Default Programmed Current (mA)	Vout Min. (Vdc)	Vout Nom. (Vdc)	Vout Max. (Vdc)*	Open Loop (No Load) Voltage (Vdc)	Notes
PKB30W									
PKB30W-1050-55-TD	120 - 277	30	275 to 1050	700	10	49.5	55	60	Terminal Blocks, 0-10 V circuit isolation from DC output and AC input
PKB30W-1050-55-TN	120 - 277	30	275 to 1050	700	10	49.5	55	60	Terminal Blocks, 0-10 V circuit isolation from AC input
PKB50W									
PKB50W-1400-55-TD	120 - 277	50	455 to 1400	1050	10	49.5	55	60	Terminal Blocks, 0-10 V circuit isolation from DC output and AC input
PKB50W-1400-55-TN	120 - 277	50	455 to 1400	1050	10	49.5	55	60	Terminal Blocks, 0-10 V circuit isolation from AC input
PKB65W									
PKB65W-1800-55-TD	120 - 277	65	591 to 1800	1200	10	49.5	55	60	Terminal Blocks, 0-10 V circuit isolation from DC output and AC input
PKB65W-1800-55-TN	120 - 277	65	591 to 1800	1200	10	49.5	55	60	Terminal Blocks, 0-10 V circuit isolation from AC input

* The forward voltage (Vf) of the LED load should not exceed Vout Max. of the driver under worst case field operating conditions which are the Vf max. of the LED load under lowest temperature and highest forward current conditions. As a general design guideline, the nominal LED load Vf measured at the operating current and at room temperature should be \leq Vout Nom. of the driver.

Notes:

- For additional options of output current and output voltage, contact your sales representative or send an email to: SaveEnergy@erp-power.com
- Please order the programming wand using the part number PROG-JACK-USB.

Programming Cable

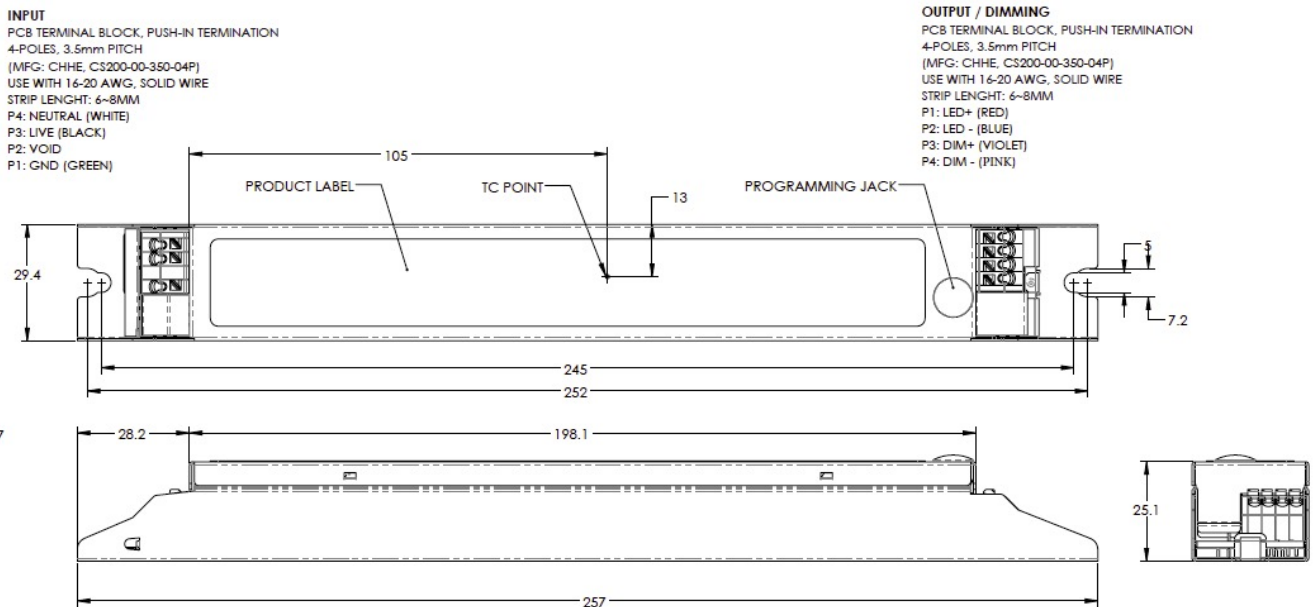
Part number: PROG-JACK-USB



65, 50, & 30 W Programmable Constant Current Class 2 LED Driver with 0-10 V Dimming

17 - MECHANICAL DETAILS

- **Packaging:** Aluminum case
- **I/O Connections:**
 - **Models with "TD" suffix:** Terminal Blocks
- **Ingress Protection:** IP20 rated
- **Mounting Instructions:** The PKB driver case must be secured on a flat surface through the two mounting tabs, shown here below in the case outline drawings. The use of double-sided tape voids the warranty.



All dimensions are in mm

Figure 15