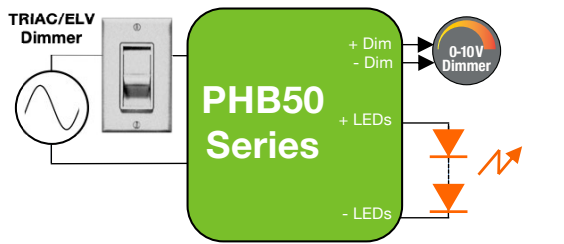


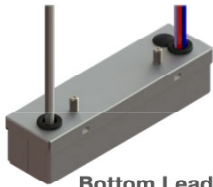
High Performance Programmable CC LED Driver with Tri-Mode Dimming™ (TRIAC, ELV & 0-10 V)

| Nominal Input Voltage | Max. Output Power | Efficiency | Max. Case Temperature | THD | Power Factor | Dimming Method | Dimming Range | Startup Time |
|-----------------------|-------------------|-------------------|---------------------------------|-------|--------------|---|----------------------|----------------|
| 120 to 277 Vac | 50 W | up to 90% typical | 90°C (measured at the hot spot) | < 20% | > 0.9 | Programmable Forward-Phase, Reverse-Phase & 0 - 10V | 1 - 100% (% of Iout) | 300 ms typical |



Side Leads

L 103.5 * W 26.2 * H 23.85 mm
(L 4.07 * W 1.03 * H 0.94 in.)



Bottom Leads with Studs:
"-S" Suffix

L 103.5 * W 26.2 * H 23.85 mm
(L 4.07 * W 1.03 * H 0.94 in.)

| Part Number | Nominal Input Voltage (Vac) | Max Output Power (W) | Iout (mA) | Output Voltage Range (Vdc) | |
|--|-----------------------------|----------------------|-------------|----------------------------|------|
| | | | | Min. | Max. |
| 120 & 277 VAC NOMINAL INPUT VOLTAGE | | | | | |
| PHB30W | | | | | |
| PHB30W-0500-42 | 120 to 277 | 21.0 | 250 to 500 | 28 | 42 |
| PHB30W-0700-42 | 120 to 277 | 29.4 | 350 to 700 | 28 | 42 |
| PHB50W | | | | | |
| PHB50W-0850-56 | 120 to 277 | 47.6 | 425 to 850 | 38 | 56 |
| PHB50W-1200-42 | 120 to 277 | 50.4 | 600 to 1200 | 28 | 42 |
| 120 & 277 VAC NOMINAL INPUT VOLTAGE | | | | | |
| PHB30W | | | | | |
| PHB30W-0500-42-S | 120 to 277 | 21.0 | 250 to 500 | 28 | 42 |
| PHB30W-0700-42-S | 120 to 277 | 29.4 | 350 to 700 | 28 | 42 |
| PHB50W | | | | | |
| PHB50W-0850-56-S | 120 to 277 | 47.6 | 425 to 850 | 38 | 56 |
| PHB50W-1200-42-S | 120 to 277 | 50.4 | 600 to 1200 | 28 | 42 |

Suffix for the different case options:

- No suffix: Side leads
- "-S": Bottom lead exit with studs

FEATURES

- Fully programmable and selectable 0-10V dimming profiles
- Fully programmable TRIAC & ELV conduction angles for turn-on and turn-off
- Dimming range of 100%-1% on TRIAC, ELV and 0-10V dimmers
- Ripple < 10% @ 20% & 100% load for TRIAC, ELV & 0-10V
- Turn-on
 - ELV @ 1% Iout
 - 0-10V @ 1% Iout
- UL Class P
- Class 2 & II power supply
- Lifetime: 50,000 hours @ Tc = 75° C
- 90° C maximum case hot spot temperature
- IP20-rated case with silicone-based potting

PROGRAMMING

- Current: 100% to 50% in each voltage range
- Data log read: SKU, S/N, lot code, hours of operation, FW revision, fault events: power failure, transients (short or surge), thermal
- Fully programmable and selectable 0-10V dimming profiles: Non-linear with dim-to-off, Logarithmic, Non-Linear without dim-to-off.
- Fully programmable TRIAC & ELV conduction angles for turn-on and turn-off



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