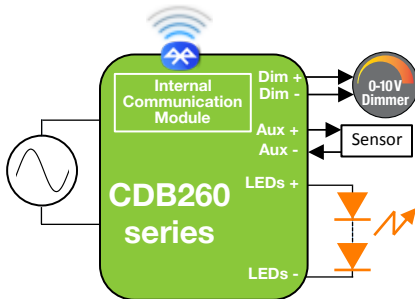


## 260 W Programmable Constant Current LED Driver with 0-10 V Dimming & Communication

Input Voltage	Max. Output Power	Efficiency	Max. Case Temperature	THD	Power Factor	Dimming Type and Range	Startup Time
120 to 277 Vac nominal	260 W	up to 93% typical	90°C (measured at the hot spot)	< 20% (from 100% to 50% of max rated power)	> 0.9 (from 100% to 50% of max rated power)	0 - 10V, 1 -100% (% of Iout)	500 ms typical



Ordering Part Number	Nominal Input Voltage (Vac)	Max Output Power (W)	Iout 1 (mA)	Vout 1 (Vdc)	Iout 2 (mA)	Vout 2 (Vdc)
CDB260W-0860-400-□	120 to 277	260	430 to 860	234 to 300	325 to 650	312 to 400
CDB260W-1300-280-□	120 to 277	260	650 to 1300	156 to 200	465 to 930	218 to 280
CDB260W-1700-210-□	120 to 277	260	850 to 1700	117 to 150	620 to 1240	164 to 210

- : Suffix to designate the antenna option
- W: Wire whip antenna
  - R: Removable external antenna connected to RPSMA connector

### PROGRAMMING

- Dual output voltage range selection
- Serial port programming
  - Current: 100% to 50% in each voltage range
  - Data log read: SKU, S/N, lot code, hours of operation, FW rev., fault events: power failure, transients (short or surge), thermal

### COMMUNICATION

- Bi-directional (dimming ↑ and ↓ and data log read)
- Wireless communication protocols:
  - Bluetooth Mesh with wire whip antenna and external removable antenna
  - ZigBee with wire whip antenna and external removable antenna
  - Other IEEE802.15.4 protocols available upon request
- Wired: DALI, DMX

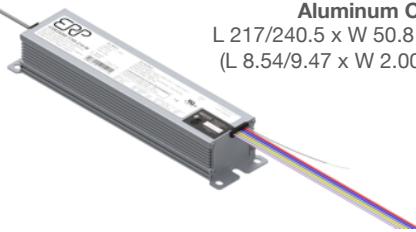
### OPTIONS

- Ripple <10% @ 120 Hz & <8% @ 120 Hz (IEEE1789)
- Auxiliary output: up to 24 V / down to 3.3 V / up to 500 mA
- Alternate 0-10V dimming profiles: Linear, Logarithmic, Ballast type Mark7 (IEC60929, ANSI C82.11)
- Energy metering (as part of future software upgrade)

### APPLICATIONS

- Outdoor & Indoor
- Street lights, Area lights
- Horticulture grow lights
- Industrial high-bay lights

**Aluminum Case**  
L 217/240.5 x W 50.8 x H 38.5 mm  
(L 8.54/9.47 x W 2.00 x H 1.52 in)



### FEATURES

- Non-linear 0-10V dimming profile with dim-to-off (10V to 9.1V=100%, 1.5V to 0.6V=1%, <0.6V=dim-to-off)
- Auxiliary output 12 V/100 mA
- IP66-rated case with silicone-based potting
- Surge protection:
  - IEC61000-4-5: 4 kV line to line/4 kV line to earth
  - 2.5 kV ring wave: ANSI/IEEE c62.41.1-2002 & c62.41.2-2002 category A
- Ripple: 25%
- Protections: Output open load, over-current and short-circuit (hiccup), over-power, over-temperature with foldback and auto-recovery
- Conducted and radiated EMI: Compliant with FCC CFR Title 47 Part 15 Class A at 120 Vac & 277 Vac and EN55015 (CISPR 15) at 220/230/240 Vac
- Lifetime: 50,000 hours @ Tc = 70°C
- 90°C maximum case hot spot temperature
- UL Class P



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