

260 W Programmable Constant Current LED Driver with 0-10 V Dimming & Integrated Bluetooth® Mesh

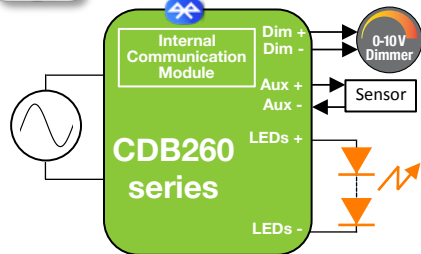
Avi-on App



Input Voltage	Max. Output Power	Efficiency	Max. Case Temperature	THD	Power Factor	Dimming Type and Range	Startup Time
120/277 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

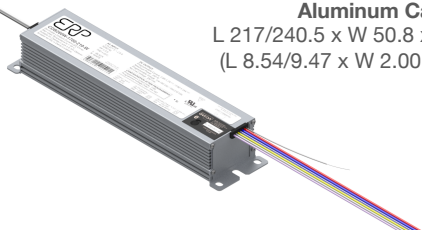
Ordering Part Number	Nominal Input Voltage (Vac)	Max Output Power (W)	Iout 1 (mA)	Vout 1 (Vdc)	Iout 2 (mA)	Vout 2 (Vdc)
CDB260W-0860-400-□	120/277	260	430 to 860	234 to 300	325 to 650	312 to 400
CDB260W-1300-280-□	120/277	260	650 to 1300	156 to 200	465 to 930	218 to 280
CDB260W-1700-210-□	120/277	260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



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
- Auxiliary output 12 V/100 mA
- IP66-rated case with silicone-based potting
- Outdoor 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
- Conducted and radiated EMI: Compliant with FCC CFR Title 47 Part 15 Class A at 120 Vac & 277 Vac
- Lifetime: 50,000 hours @ Tc = 70°C
- 90°C maximum case hot spot temperature
- UL Class P

APPLICATIONS

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

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)
- Bluetooth Mesh with wire whip antenna and external removable antenna

AVI-ON BLUETOOTH MESH SOLUTION

- Wireless lighting controls with simple set-up that anyone can use
- Pre-integrated Bluetooth Smart + CSRmesh module enables brands to create multi-way controls and switching without additional wiring; no central gateway required
- Utility grade, secure, reliable mobile app & software
- Dimming, grouping, many users, schedules, timers
- Virtually unlimited range with mesh
- Download for free, additional services available
- Compatible with large ecosystem of products from major brands
- Avi-on battery-powered movable dimming switches available to complete the turnkey solution



CHINA Operations

tel: +86-756-6266298
No. 8 Pingdong Road 2
Zhuhai, Guangdong, China 519060

www.erp-power.com

SaveEnergy@erp-power.com

USA Headquarters

tel: +1-805-517-1300
893 Patriot Drive, Suite E
Moorpark, CA 93021, USA