

ARRI EB 2500/4000 BOOST AND REMOTE BOOSTER CONTROL

At a Glance

- Boost 2,5/4kW to 4/8kW
- Active Line Filter
- Flicker Free
- 90 – 250V 50/60Hz 1, N, PE
- Remote Control

The electronic ballast with booster function for both 2,5 and 4kW HMI lampheads is the ideal workhorse for high speed photography. On top of all the features of a standard EB 2500/4000 such as the Active Line Filter, the Flicker Free and Automatic Lamp Power Detection, this ballast includes the possibility to boost the Lamp Power to 200% of the nominal Lamp Power.

When the boost function is activated, the ballast can deliver up to 8kW for up to 20 seconds maximum with and repeat this every 180 seconds. Using automatic timer circuitry, the power is optimally delivered to the lamp in order maximize lifetime.

The ballast combines ideally with the Arrisun 2,5/4kW or the Arri X 2,5/4kW for application in crash test sites, airbag and other component tests.

An optional hard wired remote control unit allows remote ON/OFF, Boost ON/OFF and Dimmer operation for manual operation. Upon wish, customers can operate the ballast integrated in their own control system.

Technical Data

Mains supply

Line Power:	4650 VA (max.)
	9300 VA (max.) boost mode (max. 20 sec.)
Supply Voltage:	90 - 250V - 50/60 Hz 1, N, PE
Nominal Current:	24 - 19 A / 48 - 38 A boost mode (max. 20 sec.)
Power Factor:	cos phi = 0.98

Lamp connection

Lamp Power:	2500 / 4000 W constant control
	5000 / 8000 W constant control boost mode
Power Regulation:	automatic detection of lamp-types 2,5 and 4 kW
Current Characteristic:	square wave, ca. 75 Hz
Dimming:	Range 50 - 100% of nominal Lamp power
Starting:	cold start and hot restrike
Typical light ripple:	typ. < 3%

Dimensions

H x L x W:	243 x 358 x 450mm
Weight:	ca. 22 kg
Protective Rate:	IP 22

Remote control

Connector	Lumberg type SV70M or compatible
Pin Configuration:	
Pin 1	±10V: Ballast is switched on 0V : Ballast is switched of
Pin 2	±(5V - 10 V): Dimming of lamp power 50 - 100%
Pin 3	+12V Supply, max 10 mA
Pin 4	N.C.
Pin 5	Relay contact to ground (min 10 mA; max. 1 A) Closed: lamp bulb ignited Open : no ignition
Pin 6	+ 10 V: Boost active 0 V: Boost not active
Pin 7	GND, reference for Pin 1,2 and 6

Ident No.

EB 2500/4000 Boost	L2.76641.B
Remote Control Unit for Boost Ballast	L2.76810.0

