

# Electronic CDL high and low bay luminaires



BLI's electronic ceramic discharge lamp (CDL) highbay luminaires deliver efficient and unbeatable quality of light. Whether lighting a manufacturing facility, convention hall, retail store, swimming pool, or a warehouse, BLI's high and low bay luminaires outperform magnetic HID, fluorescent, and LED luminaires.



Electronic ballast module



Polycarbonate or aluminum reflector

## The most efficient and best quality of light

**Saves more than 50% energy: 210W CDL replaces 400W metal halide and HPS**  
**\* Up to 120 lumens/watt, 30000-hr lamp life, 10% lumen depreciation, CRI > 90**

### Electronic CDL vs. T-5 and T-8 fluorescent

- \* To replace just one 210W CDL with equal light, it takes at least four T-5 HO or six T-8 fl. lamps
- \* Unlike CDL, light output of fl. Lamps vary with temperature



CDL

### Features

- \* Lamp wattage – 70/100/150/210/315
- \* Dimmable
- \* Polycarbonate and aluminum reflectors – 12", 16", and 22" diameter
- \* Assembled in our factory in Colorado

### Electronic CDL vs. LED

- \* BLI's high and low bay luminaires are reliable, deliver more lumens/watt, weigh less, and cost less

### Uncompromising performance

Highbay type	CRI*	Watt/sq. ft.	Foot-candle	Energy savings relative to PMH	Color	Useful life	Lumen depreciation	Temperature sensitivity
Magnetic pulse start metal halide (MH)	<70	0.98	40	N/A	White	15,000	>45%	None
<b>BLI electronic CDL (✓)</b>	<b>&gt;90</b>	<b>0.56</b>	<b>40</b>	<b>&gt;39.0%</b>	<b>Daylight</b>	<b>30,000</b>	<b>10%</b>	<b>None</b>
T5 Fluorescent	>85	0.77	40	16.3%	White	20,000	<10%	Sensitive
T8 Fluorescent	>80	0.85	40	7.6%	White	20,000	>10%	Sensitive
White LED	>70	>0.80	40	>8%	White	>30,000	>25%	Sensitive

### Savings data:

	210W CDL	400W MH
Relative cost of a highbay	<b>1.0</b>	1.0
Power consumption/luminaire	<b>225W</b>	460W
Energy consumption/yr/5,000 burn-hr, kWh	<b>1,125</b>	2,300
Energy costs/yr (\$0.12 kWh rate)	<b>\$135</b>	\$276
CO2 emission/yr, metric ton	<b>0.8</b>	1.60

### About us

Boulderlamp, Inc., (BLI), is a Colorado company. BolderLight is a registered trade name for BLI's products. BLI manufactures and markets a wide range of energy-efficient lighting products for commercial, residential, and indoor plant growing applications.