

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
BLI electronic CDL (✓)	>90	0.56	40	>39.0%	Daylight	30,000	10%	None
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	1.0	1.0
Power consumption/luminaire	225W	460W
Energy consumption/yr/5,000 burn-hr, kWh	1,125	2,300
Energy costs/yr (\$0.12 kWh rate)	\$135	\$276
CO2 emission/yr, metric ton	0.8	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.