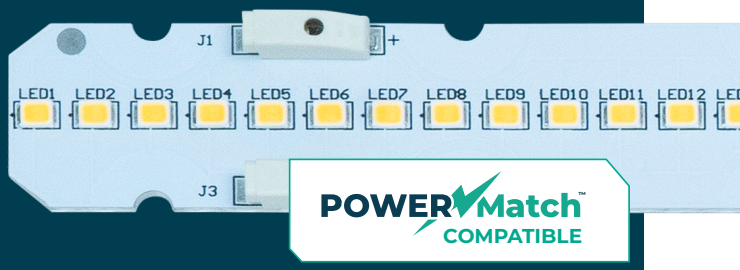
ACE LEDS

LE96CXXYYCRN44

44” CUTTABLE LINEAR LED Module



Manufactured in the USA as a component for BABA & Buy American compliant LED Luminaires.

Electrical Specifications

Driver type:	Constant Current
Drive Current:	1200 mA Typ. / 1920 mA Max.
Total Board Power:	40.9 W Typ. / 66.6 W Max.
Life:	50,000 Hrs. @ 85˚C
Max Junction Temp:	85˚C
Max Test Point Temp:	120˚C
Operating Temp:	-40˚C to +105˚C
Storage Temp:	-40˚C to +100˚C
Viewing Angle (FWHM):	120˚ Lambertian distribution

LE96CXXYYCRN44 • Typical Forward Voltage: 34.1 V Typ. / 34.7 V Max.

Model	*Color Temp (K)*	*CRI (Ra)*	*Forward Voltage (V)*	*Drive Current (mA)*	*Power (W)*	*Lumens*	*Efficacy (Lm/W)*
LE96C2780CRN44	2700	80	34.1 Typ. / 34.7 Max	1200 Typ. / 1920 Max	40.9 Typ. / 66.6 Max	6644 Typ. / 9388 Max	162.4 Typ. / 141.0 Max
LE96C3080CRN44	3000					6936 Typ. / 9800 Max	169.6 Typ. / 147.1 Max
LE96C3580CRN44	3500					7124 Typ. / 10066 Max	174.2 Typ. / 151.1 Max
LE96C4080CRN44	4000					7340 Typ. / 10371 Max	179.5 Typ. / 155.7 Max
LE96C5080CRN44	5000					7340 Typ. / 10371 Max	179.5 Typ. / 155.7 Max
LE96C2790CRN44	2700	90				5573 Typ. / 7875 Max	136.3 Typ. / 118.2 Max
LE96C3090CRN44	3000					5836 Typ. / 8246 Max	142.7 Typ. / 123.8 Max
LE96C3590CRN44	3500					6034 Typ. / 8525 Max	147.5 Typ. / 128.0 Max
LE96C4090CRN44	4000					6203 Typ. / 8764 Max	151.7 Typ. / 131.6 Max
LE96C5090CRN44	5000					6203 Typ. / 8764 Max	151.7 Typ. / 131.6 Max

Disclaimer: The module referenced in this document are constructed with Cree LEDs unless explicitly specified otherwise. Actual performance is dependent on multiple external factors, and may vary as much as +/- 3% from stated values.

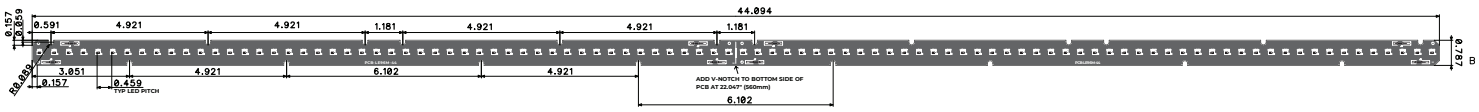
Overview:

- Constant Current DC Array
- 16 LEDs in series x 6 parallel strings
- Designed for easy use in standard luminaires
- 3-step MacAdam Ellipse
- UL Recognized Components
- May be cut and separated into two (2) equivalent 22” modules.

Connectivity:

For Poke-In Connectors use #24-18 AWG stranded or BJB Connector, Part # 46.141.1001.50

Dimensions:



- 1.0 W/m*K Aluminum MCPCB material
- 1.6 mm board thickness

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ACE LEDS

POWERMatch™

Smart Integration.
Power Without Complexity.

PowerMatch™ is a versatile mid-power linear platform engineered for seamless compatibility with ACE LEDS BABA Matchbook Constant Current drivers.

Designed to simplify OEM integration and fixture development, its flexible breakable architecture supports adaptable configurations while delivering reliable performance and cost-effective scalability across a wide range of lighting applications.

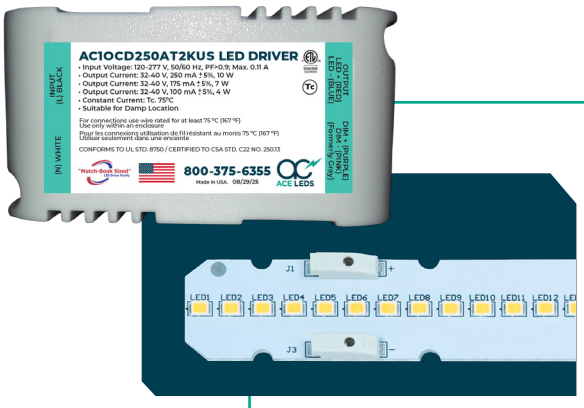
FEATURING:

Broad Compatibility:
Engineered for effortless pairing with the ACE BABA Matchbook driver ecosystem.

Streamlined Design:
Simplifies driver and module pairings for efficient OEM and fixture applications.

Versatile Architecture:
Features a breakable 44” design allowing for flexible 2x22” configurations.

Cost-Effective Alternative:
Delivers a reliable mid-power solution without the higher cost of high-output platforms.



POWERMatch™

VALIDATED COMPATIBLE
BABA MATCHBOOK LED DRIVERS:

AC10CD250AT2KUS	AC25CD700AT2QUS
AC15CD250AT2QUS	AC29CD700AT2QUS
AC15CD350AT2SUS	AC40CD1.05AT2US

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