

| |
|----------------|
| Catalog Number |
| Notes |
| Type |

FEATURES & SPECIFICATIONS

INTENDED USE — The LBK kit provides a simple, cost-effective integrated LED solution for retrofit in nearly any fluorescent fixture with T8, T12, or T5 lamps. Lightbar kits provide the reliability, thermal performance, and longevity of integrated LED systems with the simplicity of installing wherever fluorescent lamps are used. Existing fluorescent lampholders and ballasts are not used for operation, greatly increasing reliability of system.

CONSTRUCTION & OPTICS — Rigid, formed steel channel with high-performance LED boards mounted directly for optimal thermal performance. Diffuse acrylic lens increases uniformity and controls brightness. LBK is available in standard 4', 2', and 3' configurations for increased flexibility in linear applications.

ELECTRICAL — Long-life LEDs coupled with high-efficiency drivers provide extended service life. LBK is rated to deliver greater than L80 performance at 60,000 hours (Calculated L70 > 140,000 hrs). LEDs are high efficiency for lightbar kit performance levels exceeding 150 LPW.

INSTALLATION — Magnets secure lightbar for easy positioning and alignment. Self-tapping Tek screws are included to secure bar for final installation. Drivers are mounted in existing ballast channel. Lightbars and drivers plug together with modular wiring harness in a configuration specified when ordering for installation simplicity.

LISTINGS — UL/cUL Classified for damp location. Tested to LM80 standards. Made in North America for standard TAA compliance. BAA compliant product is available (consult factory)

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — Five-year warranty coverage of luminaires includes fixture construction, LED light engine, and driver. Terms and conditions apply. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Extended warranties may be available for certain applications.

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

LBK LightBar Kit LED Retrofit System

LBK



Specifications

Length: 46.25", 34.40", 22.63"
 Width: 1.61"
 Height: 0.9"



| LBK Performance | | 1600LMHE | 2000LMHE | 3000LMHE | 4000LMHE | 6000LMHE | 8000LMHE | 12000LMHE |
|-----------------|--------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| | | 10W | 13W | 20W | 26W | 39W | 51W | 77W |
| 2 FT | 2FT - 1 bar - 40K | 1475 LM 9.9 W 149 LPW | 1995 LM 13.3 W 150 LPW | | | | | |
| | 2FT - 2 bars - 40K | 1485 LM 9.9 W 150 LPW | 2,005 LM 13.3 W 151 LPW | 3,045 LM 20.0 W 152 LPW | 3,908 LM 25.1 W 155 LPW | | | |
| | 2FT - 3 bars - 40K | | 1,985 LM 13.2 W 151 LPW | 3,009 LM 19.7 W 153 LPW | 3,891 LM 24.7 W 158 LPW | 5,703 LM 37.4 W 152 LPW | | |
| | 2FT - 4 bars - 40K | | | | | 5663 LM 37.5 W 151 LPW | 7,708 LM 50.5 W 153 LPW | |
| 3 FT | 3FT - 1 bar - 40K | 1,463 LM 9.9 W 147 LPW | 1990 LM 13.3 W 150 LPW | 3000 LM 20.0 W 150 LPW | 3970 LM 25.1 W 158 LPW | | | |
| | 3FT - 2 bars - 40K | | 2000 LM 13.2 W 152 LPW | 3,087 LM 19.7 W 157 LPW | 4000 LM 25.1 W 159 LPW | 5650 LM 37.4 W 151 LPW | | |
| 4 FT | 4FT - 1 bar - 40K | 1,564 LM 9.9 W 158 LPW | 2,022 LM 13.2 W 153 LPW | 3,057 LM 19.9 W 154 LPW | 3,938 LM 24.9 W 158 LPW | 5775 LM 37.5 W 154 LPW | | |
| | 4FT - 2 bars - 40K | | 2,061 LM 13.1 W 158 LPW | 3,149 LM 19.6 W 161 LPW | 4,097 LM 24.5 W 167 LPW | 6,007 LM 37.2 W 162 LPW | 7,903 LM 50.3 W 157 LPW | |
| | 4FT - 3 bars - 40K | | | 3,151 LM 19.5 W 162 LPW | 4,044 LM 24.3 W 166 LPW | 6,025 LM 36.7 W 164 LPW | 7925 LM 50.5 W 157 LPW | |
| | 4FT - 4 bars - 40K | | | | 4050 LM 25.0 W 162 LPW | 6050 LM 36.7 W 165 LPW | 8,140 LM 49.4 W 165 LPW | 11,979 LM 74.9 W 160 LPW |

LBK LED Lightbar Kit

ORDERING INFORMATION

Example: LBK 4FT 2 3000LMHE 80CRI 40K MIN10 ZT MVOLT J12

| Series | Fixture Dimension | # Bars | Lumens Output | CRI | Color Temperature |
|-----------------------|----------------------------------|---|---|--------------|---|
| LBK LED Lightbar Kit | 2FT 2' | 1 1 bar | 1600LMHE Nominal 1600 lumens high efficiency ^{1,2} | 80CRI 80 CRI | 35K 3500K 40K 4000K 50K 5000K |
| | | 2 2 bars | 2000LMHE Nominal 2000 lumens high efficiency ^{1,2,3} | | |
| | | 3 3 bars | 3000LMHE Nominal 3000 lumens high efficiency ^{2,3} | | |
| | | 4 4 bars | 4000LMHE Nominal 4000 lumens high efficiency ^{2,3} | | |
| | | | 6000LMHE Nominal 6000 lumens high efficiency ^{3,4} | | |
| | | | 8000LMHE Nominal 8000 lumens high efficiency ⁴ | | |
| | 3FT 3' | 1 1 bar | 1600LMHE Nominal 1600 lumens high efficiency ¹ | | |
| | | 2 2 bars | 2000LMHE Nominal 2000 lumens high efficiency ^{1,2} | | |
| | | | 3000LMHE Nominal 3000 lumens high efficiency | | |
| | | | 4000LMHE Nominal 4000 lumens high efficiency ^{1,2} | | |
| | | | 6000LMHE Nominal 6000 lumens high efficiency ² | | |
| | 4FT 4' | 1 1 bar | 1600LMHE Nominal 1600 lumens high efficiency ¹ | | |
| 2 2 bars | | 2000LMHE Nominal 2000 lumens high efficiency ^{1,2} | | | |
| 3 3 bars | | 3000LMHE Nominal 3000 lumens high efficiency ^{1,2,3} | | | |
| 4 4 bars | | 4000LMHE Nominal 4000 lumens high efficiency ^{1,2,3,4} | | | |
| | | 6000LMHE Nominal 6000 lumens high efficiency ^{1,2,3,4} | | | |
| | | 8000LMHE Nominal 8000 lumens high efficiency ^{2,3,4} | | | |
| | | 12000LMHE Nominal 12000 lumens high efficiency ⁴ | | | |
| Minimum Dimming Level | | Control Input | Voltage | Options | |
| MIN10 | Constant current, dimming to 10% | ZT Generic 0-10V Dimming ⁵ | MVOLT MVOLT, 120-277V | NAXx | Customer-specific options ⁷ |
| MIN1 | Constant current, dimming to 1% | EZT eldoLED 0-10V Dimming ⁶ | | UFC | DOD Unified Facility Criteria compliant driver ^{7,8} |
| | | | | FAO | Field adjustable output device |
| | | | | J2 | Job pack of 2 kits (1-bar & 2-bar kits only) ⁹ |
| | | | | J6 | Job pack of 6 kits (4-bar kits only) ⁹ |
| | | | | J12 | Job pack of 12 kits (2-bar kits only) ⁹ |
| | | | | BAA | Buy America(n) Act Compliant |

| Accessories: Order as separate catalog number. | |
|--|---|
| ILB CP10 HE B M20 | IOTA 10 Watt Constant Power, High Efficiency LED Emergency Driver for CA Title 20 ¹⁰ |
| LBKXFMR | 347V Autotransformer ¹⁰ |

NOTES

- Available with # Bars qty 1.
- Available with # Bars qty 2.
- Available with # Bars qty 3.
- Available with # Bars qty 4.
- Only available with MIN10.
- Only available with MIN1.
- Consult factory for details on availability.
- Must be ordered with MIN10 ZT.
- Job packs include multiple bars, drivers, and hardware in single carton.
- Field-installed by contractor.

Emergency Battery Pack Options – Field Installable

| Battery Model Number | Wattage | Runtime (Minutes) | Lumen Output* @ 120 Lumens/Watt | Other |
|----------------------|---------|-------------------|---------------------------------|---------------------------|
| ILB CP07 2H A | 7W | 120 | 840 | FEMA Specification |
| ILB CP10 A | 10W | 90 | 1200 | |
| ILBLP CP10 HE SD A | 10W | 90 | 1200 | Title 20, Self Diagnostic |
| ILBLP CP15 HE SD A | 15W | 90 | 1800 | Title 20, Self Diagnostic |
| ILB CP20 HE A | 20W | 90 | 2400 | Title 20 |
| ILB CP20 HE SD A | 20W | 90 | 2400 | Title 20, Self Diagnostic |

All the above are UL Listed products that are certified for field install external/remote to the fixture.

*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.

The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.

Please contact us at productsupportemergency@acuitybrands.com for any Emergency Battery related questions.