

Cleanroom KL-SBD Series

Sealed 6" Aperture Recessed LED Downlight for Cleanroom Installations.

- **IP65 Rated**
- **Suitable for ISO 5-9 Cleanspaces**
- **Suitable for 209E Class 100-100,000 Cleanspaces**
- **ETL Listed for Wet Locations**
- **Built to NSF2 Standards**
- **Up to 4,250 Lumens Delivered**
- **Optionally B.A.A. & B.A.B.A Compliant & Assembled in the USA by a Family Owned US Corporation**



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ORDERING GUIDE

| Series | Material | Size | LED Type | CCT/CRI | Voltage | Baffle | Door (Trim) | Optics | Options | | |
|--------|----------------|-------------|---|---------------|-----------------|---|---|--|--|---|--|
| KL-SBD | 4 | 8 | UNV | | | | | | | | |
| KL-SBD | 4 Non-Magnetic | 8 8 Housing | Light Source | | UNV: 120V-277V* | WB White Grooved Baffle BB Black Grooved Baffle NB Nickel Baffle SR Specular Reflector | WT White Painted Trim ST Polished Stainless Trim | Optics | | Options | |
| | | | LED Type | CCT/CRI | | | | LEX 0.125" Clear Flat Polycarbonate Lens | FC Fuse & Holder (One Supplied Per Circuit) | | |
| | | | DLM15 1500LM Package | 83 CRI: 3000K | | | | FPL 0.125" Frosted Flat Polycarbonate Lens | EM7 Remote Mount 7W Battery Pack (Specify Input Voltage) | | |
| | | | DLM20 2000LM Package | 830 3500K | | | | FAL 0.125" Frosted Flat Acrylic Lens | PxW* Programmed to User Specified Wattage Value. | | |
| | | | DLM30 3000LM Package | 835 4000K | | | | GH85 0.125" Flat Diffused Polycarbonate With Glare Suppression Distribution | PxL* Programmed to User Specified Lumen Value. | | |
| | | | DLM40 4000LM Package | 840 5000K | | | | | 10KV 10KV Parallel Surge Protection (One Supplied Per Circuit) | | |
| | | | NOTE: Lumen packages are nominal, verify actual values on the energy data chart | | | | | | 250CFP 0.250" Clear Flat Polycarbonate Lens | LDE1 Lutron Hi-Lume 1% Ecosystem LED Driver SOFTB | |
| | | | | | | | | Note*: LEX option is standard and will be provided when no other option is selected. | BAA Buy American Act Compliant | | |
| | | | | | | | | | BABA Build America, Buy America Compliant | | |
| | | | | | | | | | Note*: Specify Value in Ordering Notes Below | | |
| | | | | | | | | | | | |

Ordering Notes, If Applicable

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SPECIFICATIONS

HOUSING: Stainless steel body and spun aluminum housing and plaster frame.

DOOR FRAME: Aluminum or stainless steel formed with continuous lens hold-down system and screwless entry. Cleanroom style construction with a smooth cleanable surface with no crevices.

GASKETS: One piece gasket located at interface of door to housing silicone seals the door to the lens. GG option provides a loose 1/8" thick adhesive backed gasket intended to adhere to the top face of a suspended grid ceiling for grid profiles that do not already have gasket on them.

REFLECTOR: Supplied with a wide variety of baffles and reflectors. See options for availability.

OPTICS: Clear non-prismatic nominal 1/8" thick polycarbonate lens is standard and will be provided when no options are selected. Other options include frosted or glare suppression film overlays. All lenses are mechanically secured and silicone sealed to door frame. DLM40 light source selection is provided without integral diffusing optic.

LED: LEDs are available in several lumen configurations as well as 80 & 90 CRI. Up to 4,250 Lumens delivered and supplied with an integrated heatsink to maintain thermal efficiency and prolong the life of the light engine.

ELECTRICAL: Integrated constant current static low voltage DC commercially available driver designed specifically for LED array. Driver has 0-10V dimming control to 1%. See options for specified drivers, Lutron controls compatible driver, or other electrical component availability.

INSTALLATION: Four adjustable L-brackets allow for seismic support and secure attachment to metal T-Bars, joists or structural metal framing. Sealed 1/2 inch trade size knockouts for wiring. Suitable for 1, 1.5 and 2 inch T-bar widths as well as drywall or plaster ceilings. Suitable for NON-IC installation.

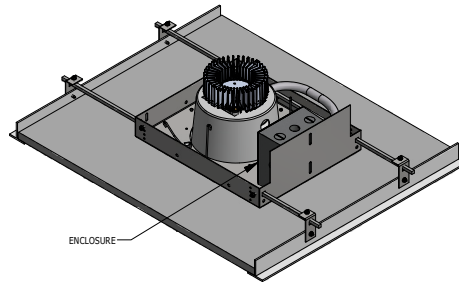
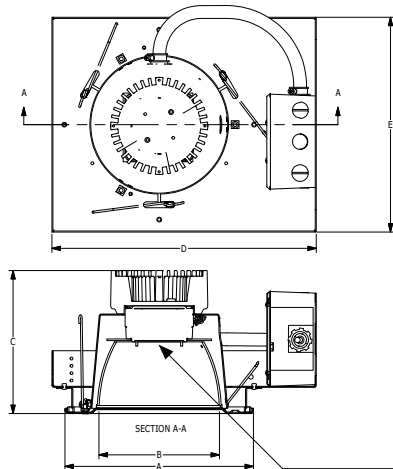
FINISH: Antimicrobial white polyester powder coat on doorframe surface. Stainless steel trims are satin polished.

LISTINGS: ETL Listed for Wet Locations. Suitable for non-IC installation. IP-65 dust and water jet resistance. IBEW Union Label. Certified ISO-14644-1 classes 5 to 9 Fed. Std. 209E Class 100. This product Series is both Build America Buy America (B.A.B.A.) & Buy American Act (B.A.A.) compliant optionally.

5/10 YEAR WARRANTY: The driver(s), LED's and EM packs are covered by a five (5) year warranty. The remaining fixture is covered by a ten (10) year warranty. See warranty statement at kurtzon.com for complete details.

PRODUCT DRAWINGS

| DOWNLIGHT REFERENCE DIMENSIONS | | | | | | |
|--------------------------------|-------|-------|-------|--------|--------|--------|
| MODEL | DIM A | DIM B | DIM C | DIM D | DIM E | DIM F |
| SBD/TBD | 9.00" | 5.75" | 6.85" | 12.65" | 10.25" | 26.00" |



INTEGRAL DIFFUSING OPTIC
(NOT INCLUDED FOR DLM40)

12-AA-L-DOWNLIGHT DWG DATE: 4/11/2107

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ENERGY DATA

| SEALED LED DOWNLIGHT | | | | | | |
|----------------------|-----|------------------------------------|--------------------------|-----------------|----------------------|------------------------------------|
| LIGHT PACKAGE | CRI | DELIVERED LUMENS (Lm) ¹ | WATTAGE (W) ² | EFFICACY (LM/W) | DIMMING AVAILABILITY | MAX AMBIENT TEMP (°C) ³ |
| DLM15 | 80+ | 1,536 | 15 | 102.4 | 0-10V 1% | 40°C (104°F) |
| DLM15 | 90+ | 1,462 | 18 | 81.3 | 0-10V 1% | 40°C (104°F) |
| DLM20 | 80+ | 2,049 | 20 | 102.4 | 0-10V 1% | 40°C (104°F) |
| DLM20 | 90+ | 1,948 | 24 | 81.2 | 0-10V 1% | 40°C (104°F) |
| DLM30 | 80+ | 3,353 | 35 | 97.3 | 0-10V 1% | 40°C (104°F) |
| DLM30 | 90+ | 3,094 | 41 | 75.5 | 0-10V 1% | 35°C (95°F) |
| DLM40 | 80+ | 4,247 | 35 | 121.2 | 0-10V 1% | 40°C (104°F) |
| DLM40 | 90+ | 3,918 | 41 | 95.6 | 0-10V 1% | 35°C (95°F) |
| EM7 | NA | 528-848Lm | 4 | NA | 0-10V 1% | 35°C (95°F) |

- 1: DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @25C WITH NO EXTRA OPTIONS.
- 2: WATTAGE IS MEASURED @ 120vAC AND Tambient = 25C. WATTAGES MAY VARY AND WHEN OPTIONS ARE SELECTED
- 3: MAX TEMP RATING IS WITH NO OTHER OPTIONS SELECTED.(NON-IC)

PHOTOMETRICS

CLEAR FLAT LENS

