

Cleanroom KL 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 3,400 Lumens Delivered**



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ORDERING GUIDE

Series	Installation	Material	Size	LED Selection	CRI/CCT Selection	Voltage	Baffle	Door (Trim)	Options
KL									
KL	SBD: Recessed (Suitable for Flange & Grid)	4: Non-Magnetic	8: 8" Housing	DLM15: 1500Lm Package DLM20: 2000Lm Package DLM30: 3000Lm Package NOTE: Lumen packages are nominal, verify actual values on the energy data chart.	80 CRI 830: 80 CRI 3000K 835: 80 CRI 3500K 840: 80 CRI 4000K 850: 80 CRI 5000K 90 CRI 930: 90 CRI 3000K 935: 90 CRI 3500K 940: 90 CRI 4000K	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	10KV: 10kv Surge Protection FF: Fuse and Fuse Holder FPL: .118" Frost Polycarbonate Lens EM7: Remote Mount 7W Battery Pack (Specify Input Voltage) LDE1: Lutron Hi-Lume 1% Ecosystem LED Driver SOFTB PxL: Programmed to User Specified Lumen Value PxW: Programmed to User Specified Wattage Value.

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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.

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

LENS: Clear non-prismatic .125" thick polycarbonate lens mechanically secured and silicone sealed to door frame. Optionally available with frosted polycarbonate lens.

LED: LEDs are available in several lumen configurations as well as 80 & 90 CRI. Up to 3400 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.

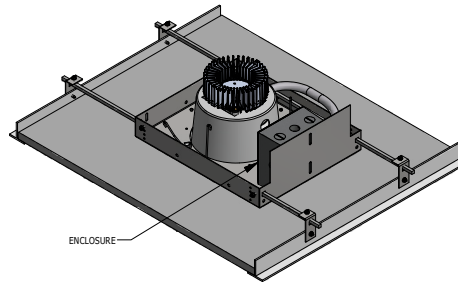
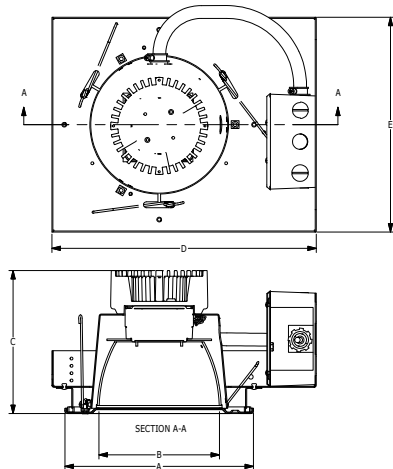
FINISH: Antimicrobial white polyester powder coat on doorframe surface. Stainless steel trims are satin polished.

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.

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"



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

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ENERGY DATA

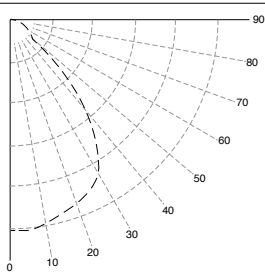
SEALED LED DOWNLIGHT						
LIGHT PACKAGE	CRI	DELIVERED LUMENS (Lm) ¹	WATTAGE (W) ²	EFFICACY (LM/W)	DIMMING AVAILABILITY	MAX AMBIENT TEMP (°C) ³
DLM15	80+	1,536	18	85.3	0-10V 1%	40°C (104°F)
DLM15	90+	1,532	21	73.0	0-10V 1%	40°C (104°F)
DLM20	80+	2,117	21	100.8	0-10V 1%	40°C (104°F)
DLM20	90+	2,047	30	68.2	0-10V 1%	40°C (104°F)
DLM30	80+	3,454	42	82.2	0-10V 1%	40°C (104°F)
DLM30	90+	3,277	51	64.3	0-10V 1%	40°C (104°F)
EM7	NA	440-570Lm	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

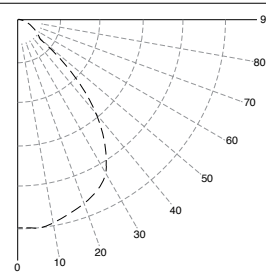
KL-SBD-4-8-DLM15-940-UNV-WBWT

Report No: 20577.0
 Total Lumens: 1,532
 Wattage: 20.537
 Efficacy: 74.6 (Lumens Per Watt)
 Fixture Size: 6"
 Key:
 - - - - - 0
 45
 _____ 90



KL-SBD-4-8-DLM20-940-UNV-WBWT

Report No: 20579.0
 Total Lumens: 2,047
 Wattage: 29.487
 Efficacy: 69.4 (Lumens Per Watt)
 Fixture Size: 6"
 Key:
 - - - - - 0
 45
 _____ 90



KL-SBD-4-8-DLM30-940-UNV-WBWT

Report No: 20581.0
 Total Lumens: 3,277
 Wattage: 50.812
 Efficacy: 64.5 (Lumens Per Watt)
 Fixture Size: 6"
 Key:
 - - - - - 0
 45
 _____ 90

