PROJECT

DATE

NOTES

REV: 08/28/2024

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
- Assembled in USA and Optionally BAA compliant















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ORDERING GUIDE

Series	Material	Size	LED Type	CCT/CRI	Voltage	Baffle	Door (Trim)		Optics	Options	
KL-SBD	4	8			UNV						
Series	Material	Size	Light Source		Voltage	Baffle	Door (Trim) Finish	Optics		Options	
Series			LED Type	CCT/CRI	voitage	Бапте	Door (Iriili) Fillisii	Optics		Options	
KL-SBD	4 Non-Magnetic	8 8 Housing	DLM15 1500LM Package	83 CRI:	UNV: 120V-277V*	WB White Grooved Baffle	WT White Painted Trim	LEX	0.125" Clear Flat Polycarbonate Lens	FC	Fuse & Holder (One Supplied Per Circuit)
			DLM20 2000LM Package	830 3000K		BB Black Grooved Baffle	ST Polished Stainless Trim	FPL	0.125" Frosted Flat Polycarbonate Lens	EM7	Remote Mount 7W Battery Pack (Specify Input Voltage)
			DLM30 3000LM Package	835 3500K		NB Nickel Baffle		FAL	0.125" Frosted Flat Acrylic Lens	PxW*	Programmed to User Specified Wattage Value.
			DLM40 4000LM Package	840 4000K		SR Specular Reflector		GH85 0.125" Flatt Diffused Polycarbonate With Glare Suppression Distribution		PxL*	Programmed to User Specified Lumen Value.
				850 5000K						10KV	10KV Parallel Surge Protection (One Supplied Per Circuit)
			NOTE: Lumen packages					250CFP	0.250" Clear Flat Polycarbonate Lens	LDE1	Lutron Hi-Lume 1% Ecosystem LED Driver SOFTB
			are nominal, verify actual	90+ CRI:				Note": LEX option is standard and will be provided when n other option is selected.		BAA	Buy American Act Compliant
			values on the energy data chart	930 3000K 935 3500K 940 4000K							Note*: Specify Value in Ordering Notes Below

Ordering Notes, If Applicable



Cleanroom KL-SBD Series

Sealed 6" Aperture Recessed LED Downlight for Cleanroom Installations.

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.

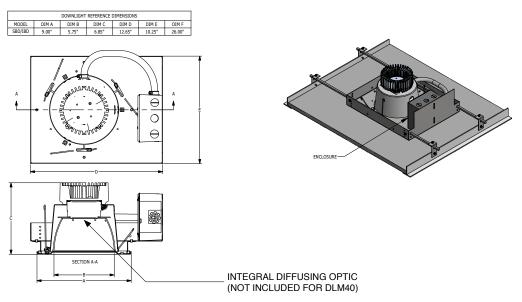
INSTALLATION: Four adjustable L-brackets allow for seismic support and secure attachment to metal T-Bars, joists or structural metal framing. Sealed 1/2 inch trade size knockouts for wiring. Suitable for 1, 1.5 and 2 inch T-bar widths as well as drywall or plaster ceilings. Suitable for NON-IC installation.

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.

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



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



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Sealed 6" Aperture Recessed LED Downlight for Cleanroom Installations.

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)					
				1							
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



