

DB LED

Project Name:	
Type:	



APPLICATION

This attractive volumetric recessed fixture with a symmetric center basket provides soft ambient in direct and indirect lighting. High performance of direct and indirect lighting fixture reduces shadows and glare by combining aesthetically pleasing reflect lights. It is an excellent choice for modern office environments, classrooms, hospitals and retail spaces.

FEATURES:

- Die formed, cold-rolled, 20-gauge steel construction provides durability and strength.
- Finish in high-gloss baked white enamel over rust inhibiting phosphate coating for maximum corrosion resistance.
- Slope side softly reflect light back downwards.
- Lens to be white translucent acrylic engineered optical uniformity and non-glare with a ribbed prism design.

MOUNTING:

- Recessed mount in expose T-bar ceilings.
- Field installed flange kits are available.
- Compatible with most ceiling types.

LED:

- Color Temperature: 2700/3000/3500/4000/5000 (K).
- LED Module: High efficiency up to 162 LPW.
- Nominal Lamp Life: 100,000 hours.
- Reported L70 hours: +60,000 (55°C).
- Poke in wire connectors.
- Color variation within 3-step MacAdam ellipse.

ELECTRICAL:

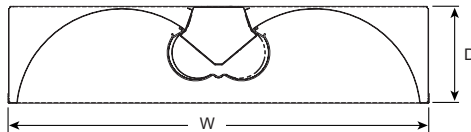
- High power factor electronic driver, operate from a 120~277 Vac input range, 50 / 60 Hz.
- Dimming Control: 10~100%(std.), 1~100%, Bi-level step dim.
- Power Factor: +0.9
- Efficiency: +85%
- Ambient Operating Temperature: -22°F (-30°C) ~ 122°F (50°C).
- Constant Current, Class 2

<ELCU-200>

- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

LISTING:

- UL/CUL listed and labeled.
- Listed to UL 1598 and UL 8750.
- Suitable for damp locations.
- CEC Compliant EM (please contact for more information)
- ARRA compliant.
- Made in USA.
- 5 years limited warranty.
- 7 or 10 years limited warranty. (optional) ²
- Bluetooth Mesh System available, please contact factory for more information.



Specifications: 2'x2'

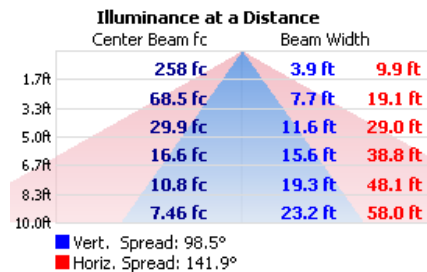
Length: 24 (608)
Width: 23-13/16 (605)
Depth: 5-1/2 (140)

Specifications: 2'x4'

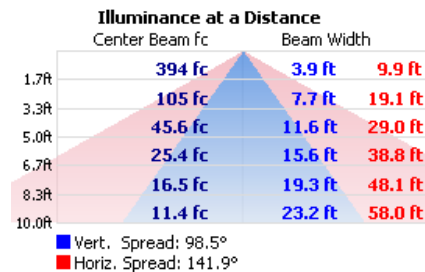
Length: 48 (1218)
Width: 23-13/16 (605)
Depth: 5-1/2 (140)

All dimensions are in inches (millimeters).

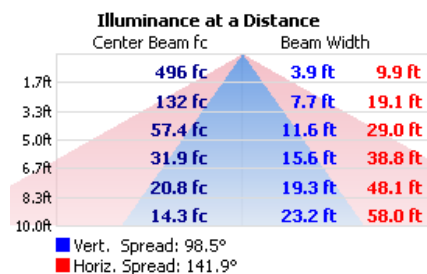
DB-22-28LED



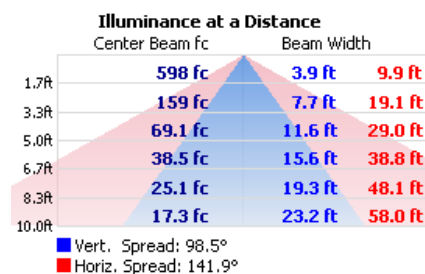
DB-22-44LED



DB-24-56LED



DB-24-68LED



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CONFIGURATIONS

Series	Size	LED Watts	Lumen Output
DB	2' x 2'	28W	3937 lm
		36W	4973 lm
		44W	6009 lm
	2' x 4'	44W	6009 lm
		50W	6500 lm
		56W	7563 lm
		68W	9117 lm

: Based on 5000K.

OUTPUT CURRENT


		Bi-Level		Tri-Level (Default)	
SW1	SW2	Config Range	Default	Config Range	Default
Close	Open	10% - 70%	40%	10% - 70%	30%
Open	Close	10% - 70%	40%	10% - 70%	70%
Close	Close	100%	100%	100%	100%
Open	Open	0%	0%	0%	0%

ORDERING INFORMATION

EXAMPLE: DB-24-36LED/40-UNV

MODEL	SIZE	LED	COLOR TEMP.	CRI	TRIM TYPE	DIFFUSER
DB	22 2' x 2'	28LED 28W LED 36LED 36W LED 44LED 44W LED	/27 2700K ⁴ /30 3000K /35 3500K /40 4000K /50 5000K	(Blank) C9 80+ CRI 90+ CRI ⁵	(Blank) FK Grid Flange ¹	(Blank) Acrylic Diffuser with Overlay
	24 2' x 4'	44LED 44W LED 50LED 50W LED 56LED 56W LED 68LED 68W LED				

* Contact factory for custom wattage or lumen requirement.

VOLTAGE	LED DRIVER	OPTIONS
UNV 120-277V 120 120V 277 277V 347 347V	DM 0-10V 10%~100% DM1 0-10V 1~100% dim SD40 40% / 100% Bi-Level Step dim SDXX XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) TDM Triac Dim. (120V only) TD30/70 30% / 70% / 100% Tri-Level Step dim TDXX/YY XX% / YY% / 100% Tri-Level Step dim(Specify XX, YY : 10% ~ 70%) ES566 eldoLED SOLODrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim EC eldoLED ECOdrive 0-10V natural dim to 1% (Hybrid HydraDrive) LDE1 Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim ELV ELV compatible (reverse-phase or trailing-edge) PHSR Philips Xitanium Sensor-Ready, Dali 5%~100% dim. DIMT Tri-mode dimming (Triac, ELV, 0-10V)  BLT Bluetooth Mesh System (contact factory for more information)	EMG8 1296 LUMEN EM Battery Backup (CEC Compliant EM) ^{3,8} EMG15 2430 LUMEN EM Battery Backup (CEC Compliant EM) ^{3,8} EMG20 3240 LUMEN EM Battery Backup (CEC Compliant EM) ^{3,8} ELCU-200 Fail-to-on Emergency lighting, UL924 ⁶ GTD Bodine Generator Transfer Device GTD10DIM Bodine Generator Transfer Device (0-10VDC Dimmer Override) PW6 Pre-wired 6' Whip Flex #18/3 O7W Optional 7 Years Limited Warranty ² O10W Optional 10 Years Limited Warranty ²

LIGHTING CONTROL SYSTEM	
VRF FCJS0 FCJSE FCJS0EM FCJSEEM	<Lutron Vive System Enabled> Vive Integral fixture control (RF only), (Must be ordered with EcoSystem drivers or PHSR) Vive Attached fixture control (RF only for 0-10V drivers) Vive Attached fixture control (RF only for Lutron EcoSystem drivers) UL 924 Emergency PowPak wireless fixture control for 0-10V drivers UL 924 Emergency PowPak wireless fixture control for Ecosystem drivers <EasySense> SNS200C EasySense Ceiling-mount occupancy sensing, daylight harvesting and task tuning in one device (Must be ordered with PHSR driver) ⁷ RS-IR IR dongle for EasySense control

NOTES:

- Flange kits are supplied in separate boxes, field installed.
- This limited warranty covers electrical parts only and does not apply to labor, equipment lease, or defect from improper installation or operation.
- Contact factory for other emergency ballast options.
- Available with C9 only.
- Lumen per watt is around 15% less than standard CRI (80+).
- Shipped separately.
- Please see Compatible Phone list in the separate attachment. If not listed, please order "RS-IR", and follow IR-Dongle user guide and NFC and IR app user's manual. Android users only.
- Must specify voltage, not available with 347V.

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COMPATIBLE DIMMER SWITCH (TABLE 1)

Model #	Brand	Compatible Dimmer Switch	
(Blank)	-	<Leviton>	IllumaTech IP7 series
		<Lutron>	Visit www.lutron.com/advance for a list of dimmers (Mark VII) that will work with this driver.
		<Philips>	Sunrise : SR1200ZTUNV
ES566	eldoLED SOLOdrive	<Busch-Jaeger>	2112U-101
		<Jung>	240-10
		<Leviton>	IllumaTech - IP710-DLX
		<Lightoller Controls>	ZP600FAM120
		<Merten>	5729
		<Pass & Seymour>	CD4FB-W
		<Wattstopper>	DCLV1
		<Sensor Switch>	nIO EZ
		<Synergy>	ISD BC
		<ABB>	SD/S 2.16.1
		<Lutron>	Nova T: NTFTV Diva - DVTv-xx, NFTV GRAFIK Eye: GRX-TVI w GRX3503 Energy Savr Node: QSN-4T16-S TVM2 Module
<Crestron>	GLX-DIMFLV8, GLXP-DIMFLV8, GLPAC-DIMFLV4-*, GLPAC-DIMFLV8-*, GLPP-DIMFLVEX-PM, GLPP-1DIMFLV2EX-PM, GLPP-1DIMFLV3EX-PM, DIN-AO8, DIN-4DIMFLV4, CLS-EXP-DIMFLV, CLCI-1DIMFLV2EX		
LDE1	Lutron Hi-lume 1% EcoSystem	<Lutron>	PowPak Dimming Modules: RMJ-ECO32-DV-B, FCJ/FCJS-ECO ^{1,2} Energi Savr Node (120V only): QSN-1ECO-S, QSN-2ECO-S GRAFIK Eye QS/Homeworks QS control unit (120V only): QSGRJ-_E(wireless) QSGR-_E Quantum Hub (120V only): QP2-_2C/4C/6C/8C Homeworks QS/myRoom Plus power module (120V only): LQSE-2ECO-D
ELV/ TDM	ERP	<Lutron>	S-603PG, DVCL-153P, DV-600P, TGCL-153P, S-600P, DVELV-303P, SELV-300P, TG-600P, LG-600P, CT-103P, MAELV-600, FAELV-500
		<Leviton>	IPI06-1LZ, 6631-2, VPE06,6683-IW, 6161, 6633-P, IPE04
		<Cooper>	DLC03P, SLC03P, DAL06P
		<Lightoller>	ZP260QEW

NOTES:

1. All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command. For more detail on adjusting low-end light level refer to Application Note#556 at www.lutron.com.
2. For the Line/Hot (L/H) terminal on the driver, it is preferred not to use the switched hot (red) wire from the control but rather the hot wire directly from the power source.