3"

3" Architectural Shallow Plenum Square Downlight

BOLD-3S-SHAL **Bold** Series





Application & Features

BOLD-3S-SHAL Downlight is a specification-grade architectural luminaire engineered for visual comfort, flexibility, and control. With field-changeable optics, toolless trim interchangeability, and a range of precise beam distributions, BOLD-3S-SHAL delivers quiet ceilings and seamless integration into the architectural environment.

Available in three distinct housing options—flanged, trimless, and millwork—BOLD-3S-SHAL adapts to a wide range of ceiling conditions while maintaining a refined visual language.

The system features 98 CRI with 1x2 Step MacAdam Ellipse color consistency for exceptional optical quality, and supports multiple dimming protocols down to 0.1% for maximum control and responsiveness.

Ideal for commercial, hospitality, retail, institutional, civic, cultural, corporate, academic, healthcare, luxury residential, gallery, and museum projects, BOLD-3S-SHAL supports elevated design intent without compromise.

As part of a complete family that includes wall wash and adjustable accent options, BOLD-3S-SHAL offers static and dynamic color technologies to meet the evolving demands of high-performance lighting design.

	High Performance: 900, 1200, 1500, 2000			
Lumens	Dims to Warm: 900, 1200, 1500			
	Xicato Artist: 900, 1200			
	High Performance: 27K, 30K, 35K, 40K, 50K			
CCT & Dynamic Platforms	Dims to Warm: 18K-30K, 27K-30K, 22K-30K			
	Xicato Artist: 27K, 30K, 30K-VIB, 35K, 40K, 50K			
	High Performance: 90+, 98+			
CRI	Dims to Warm: 90+			
	Xicato Artist: 90+, 95+			
Color Quality	2 Step MacAdam Ellipse			
Distributions	10D (Very Narrow Spot 10°), 15D (Narrow Spot			
	15°), 24D (Spot 24°), 36D (Medium 36°), 60D			
	(Wide 60°)			
	Downlight: Flanged, Trimless, Millwork			
Trim Options	Pinhole:Flanged, Trimless, Millwork			
	Anodized: White (WH), Black (BK), Chrome (CL),			
Finish Options	Satin Haze (SHZ)			
•	Diecast: White (WH), Black (BK)			
	DIM10, DIMTR, LUTH, ELDO10-LOG, ELDO10.1-LIN,			
Driver Options	ELDODALI.1, BLE-CASAMBI			
	-[All emergency options regire top access, remote			
Emergency	emergency test switch included], EMG-10, EMG-20,			
	EMG-10-SDT, EMG-20-SDT, GTD			
	LED is rated for >60,000 hours at 70% lumen			
Lifetime	maintenance			
-	In Accordance with IES LM79-08, LM80 and TM-30,			
Photometric Tests	TM-27			



Bold Series

PART NUMBER: BOLD-3S-SHAL-900L-27K-90-10D-DIM10-120V Flange Lumens CCT CRI Optics Voltage Bar Optical Options Series Driver Emergency Options Accessories Hanger 27K 90+ 10D 900L 120V **BOLD-3S-SHAL** DIM10 30K 98+<mark>2</mark> Very Narrow 1200L MVOLT All emergency options reqire top RIF DIMTR3 1500L 35K Flanged **TL** 347V4 Spot (10°) Standard bar LUTH access, remote SOFL REM 40K 2000L1 hangers emergency test Solite Frosted ELDO10-LOG 15D Single Remote Trimles **50K** SFL Narrow Spot (15°) **BP27** ELDO10.1-LIN **EMG-10** MW Dimming Soft Lens 27"C-channel bar hangers Millwork **ELDODALI.1** EMG-20 Driver5 SPD 24D **BLE-CASAMBI** EMG-10-SDT **BP32** BABA Spread Linear 32″C-channel bar hangers Spot (24°) EMG-20-SDT lens Made in UVL America GTD 36D Complian **BP52** UV Medium Controls HCL 'C-channe bar hangers See last page Honey Comb Louver 60D PRS Wide (60°) Prismatic Lens Any fixture can take maximum 2 Optical Accessories 1 The highes lumen will not be compatible with any optical accessories 2 98+ CRI is

Any fixture can take maximum 2 Optical Accessories 1 The highes Tumen will not be compatible with any optical accessories 2 98+ CRT is available only on 27K, 30K and 40K 3 DIMTR is only available with 120V 4 347V is only available with DIM10 5 Remote mount Maximum distance from light fixture to remote power supply is 100' using 14 gauge wire, 50' using 16 gauge wire

PART NUMBER: BOLD-3S-SHAL-WDM-900L-18K-30K-90-15D-DIM10-120V

Series	Flange Options	Lumens	CCT	CRI	Optics	Driver	Voltage	Emergency	Bar Hanger	Options	Optical Accessories
BOLD-3S-SHAL-WD/ (Dim to Warm)	Flanged TL Trimless MW Millwork	900L 1200L 1500L1	18K-30K 27K-30K 22K-30K		15D Narrow (15°) 24D Spot (24°) 36D Medium (36°) 60D Wide (60°)	DIM10 DIMTR2 LUTH ELDO10-LOG ELDO10.1-LIN ELDODALI.1 BLE-CASAMBI	120V MVOLT 347V3	All emergency options reqire top access, remote emergency test switch included EMG-10 EMG-20 EMG-10-SD1 EMG-20-SD1 GTD	Standard bar hangers included BP27 27"C-channel bar hangers BP32 32"C-channel bar hangers BP52 52"C-channel bar hangers	America Compliance	Soft Frosted SFL Soft Frosted Lens SPD Spread Linear Lens UVL UV Lens HCL Honey Comb Louver PRS Prismatic Lens

Any fixture can take maximum 2 Optical Accessories 1 The highes lumen will not be compatible with any optical accessories 2 DIMTR is only available with 120V 3 347V is only available with DIM10 4 Remote mount Maximum distance from light fixture to remote power supply is 100' using 14 gauge wire, 50' using 16 gauge wire

Bold Series

PART NUMBER: BOLD-3S-SHAL-XIA-900L-27K-90-10D-DIM10-120V Flange Voltage Options Lumens CRI Optics CCT Bar Optical Driver Emergency Series Options Hanger Accessories 90+ 10D 900L 27K 120V DIM10 **BOLD-3S-SHAL-XI** Very Narrow 95+<mark>2</mark> 1200L1 30K MVOLT All emergency options reqire top RIF RIF filter DIMTR3 (Xicato Artist) 30K-VIB 347V4 Standard bar hangers included Flanged Spot (10°) access, remote emergency test switch included LUTH SOFL REM TL 35K Solite Frosted ELDO10-LOG 15D Single Remote Dimming Trimles **40K** SFL Narrow Spot (1.5°) **BP27** ELDO10.1-LIN EMG-10 MW Soft Focus 50K 27"C-channel bar hangers EMG-20 Millwork **ELDODALI.1** Driver5 Lens 24D EMG-10-SD1 SPD **BLE-CASAMBI BP32** BABA Spread Linear Spot (24°) Made in America EMG-20-SD1 -channel lens ingers GTD UVL 36D **BP52** Compliance 52"C-channel bar hangers Medium (36°) UV lens HCL 60D Honey Comb Wide (60°) PRS Prismatic Lens Any fixture can take maximum 2 Optical Accessories 1 The highes lumen will not be compatible with any optical accessories 2 95+ CRI is

not available on 50K 3 DIMTR is only available with 120V 4 347V is only available with DIM10 5 Remote mount Maximum distance from light fixture to remote power supply is 100' using 14 gauge wire, 50' using 16 gauge wire

Bold Series

Description

The BOLD-3S-SHAL Downlight is engineered for quiet ceilings and visual comfort, delivering precise, glare-controlled illumination exactly where it's needed. Its fixed optical system ensures consistent beam quality with tight cutoff, supporting low-glare, high-performance general lighting.

For applications demanding an ultra-discreet aperture, BOLD-3S-SHAL offers a Pinhole trim option—minimizing visible source brightness while maintaining clean beam control. Ideal for highend environments where visual precision and ceiling refinement are critical, BOLD-3S-SHAL helps lighting designers achieve subtle yet effective illumination.

LED Light Engine

The BOLD platform features a patent-pending heat sink and LED module system that unlocks effortlessly from the housing with a simple twist no tools required. Once released, the entire assembly drops below the ceiling line, allowing fast, easy replacement or upgrade of the LED light engine. This modular design also supports up to two optical accessories—including spread lenses, frosted lenses, color filters, plus a honeycomb louver—making it exceptionally versatile for postinstallation tuning.

Exceptional Optical Quality: The precisionengineered light engine comes standard with 90+ CRI and maintains 1×2 Step MacAdam Ellipse consistency, ensuring accurate, uniform color across every luminaire.

Unlike traditional systems where all components are buried inside the housing and difficult to service, BOLD's intuitive below-ceiling access makes maintenance and adding additional accessories dramatically easier—setting a new standard for architectural lighting flexibility.

Field-Changeable Optics and Accessories

Designed for adaptability, the BOLD platform enables efficient in-field customization. By unscrewing the cap on the heat sink, technicians can easily swap optics or add optical accessories —ensuring optimal light output and refined beam control without tools or reinstallation. This modular approach supports a wide array of fieldchangeable accessories, including spread lenses, frosted lenses, color filters, and honeycomb louvers, allowing for precise post-installation tuning.

A full range of beam options—from extremely narrow to wide—provides the flexibility to tailor light distribution with precision, whether emphasizing architectural elements or delivering broad ambient illumination. Field-changeable optics make it easy to respond to evolving design needs or spatial conditions directly on-site. For added control, the LED module offers three fixed vertical positions within the housing. This design provides the flexibility to fine-tune both visual comfort and lighting performance to meet the specific demands of any space.

Trim & Collar Configurations

Trimless:

Designed for drywall or plaster ceilings, the diecast spackle collar allows joint compound to be applied directly to the edge for a seamless, mudded-in finish. It mounts securely to the housing to prevent ceiling cracks during or after installation.

• Millwork:

For wood, tile, or stone ceilings, the millwork collar is finished to match the specified trim and ensures clean, stable integration with thicker or non-standard ceiling materials.

• Flanged:

Ideal for gypsum or ACT ceilings, flanged trims provide a clean, finished appearance with a subtle bezel that frames the aperture while maintaining optical performance and glare control.

Collar and Collar Extender Options

Each BOLD housing comes standard with a 1-inch collar. Optional collar extenders are available in 1.5-inch and 2-inch sizes to accommodate ceiling thicknesses up to 2". These extenders add minimal height and have a slight impact on light output. Consult factory for details and additional collar options.

Trim Construction

With dual trim construction and an extensive library of finish options, BOLD trims empower lighting designers to achieve both technical precision and visual harmony in any space.

BOLD-3S-SHAL

- Anodized Aluminum
 Designed for visual comfort, anodized trims recess the light source to achieve a 45-degree cutoff, enhancing glare control and supporting quiet ceilings in high-performance architectural environments. The electrochemical finish ensures long-term reflectance and material integrity.
- Die-Cast

Die-cast trims provide sharp detailing, precise fit, and the ability to seamlessly blend into the ceiling plane with high-quality painted finishes. Ideal for minimalist spaces where integration and consistency are key

Downlight Trim

Featuring a 45° visual cutoff angle to the source, this luminaire provides exceptional glare control and visual comfort while maintaining lowbrightness apertures for a pleasant lighting experience. Available in a wide variety of colors and designs, it offers flexibility to suit diverse architectural needs. Available in Open Downlight, Lensed Downlight, and Pinhole Downlight configurations.

Housing

Housing is engineered for shallow plenum spaces, with a compact 2 1/2-inch height that provides a low-profile solution without compromising performance. Constructed from 18gauge cold-rolled steel, the housing ensures exceptional mechanical strength, thermal efficiency, and long-term durability. The matte black powder-coated finish reduces internal reflections and enhances heat management, contributing to glare-free illumination. This housing is Non-IC rated and may not be installed in direct contact with insulation; a minimum clearance of 3 inches must be maintained from all insulation materials to ensure proper thermal performance. Integrated thermal protection safeguards against overheating, even in constrained ceiling spaces.

The 90°C-rated junction box features multiple 1/2" knockouts and accommodates 4-in/4-out through-branch wiring with snap-on access covers for efficient installation.

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Mounting

Each housing includes heavy-duty, pre-installed bar hangers designed for flexible installation across a variety of ceiling types. Hangers extend to span joists up to 24" on center and can be repositioned along both the short and long axis of the housing. For narrower joist bays, hangers can be shortened to accommodate 12" spacing. The system includes integral butterfly brackets fabricated from 18-gauge steel, providing vertical adjustment for accurate alignment with ceiling thickness. These brackets are compatible with 3/4" or 1-1/2" lathing channels, 1/2" EMT conduit, and optional C-channel bars for secure attachment in commercial grid ceilings. Additional mounting slots and keyholes allow for versatile integration into T-bar ceilings or unconventional framing layouts.

Driver Access & Serviceability

The BOLD platform includes a high-performance, constant-current electronic driver (0–10V dimming, 100%-1%) with integral thermal and surge protection compliant with IEEE C62.41. The driver is conveniently located within the housing and can be easily accessed from below the ceiling.

Simply unlock the heat sink and LED module from the housing's holder with a simple twist. Once the heat sink holder is disengaged from the housing, rotate the heat sink holder 360 degrees and tilt it to a 45-degree angle to easily access the driver, allowing for quick service or replacement.

Emergency Options/Controls

10W or 20W emergency back-up battery systems are available with a remote mounted test switch. A self-diagnostic emergency option is also available. Other accessories and controls systems include modular wiring systems, daylight harvesting controls, occupancy sensors, and/or power packs for individual or room control applications, and triac, dali and DMX protocols.

Dim to Warm Option

Dims to Warm simulates traditional incandescent halogen lighting through dimming. When the luminaire dims to warm from 100% to .1%, it makes a smooth transition across the black body radiator while maintaining a constant CRI of 90+. Available in 30K-18K, 30K-22K or 27K-18K range.

Xicato Artist Series LED Module (XIA)

Powered by Xicato Artist Series®, which are tested to IES TM-30-15, with a color fidelity score (Rf) of 96 and a color gamut score (Rg) of 102, and color shift less than du'v' of 0.003. Featuring cold phosphor technology, improving thermal management enhancing color consistency and delaying lumen depreciation.

Natural Spectrum (NSL)

Natural Spectrum LED option id designed for Human Centric lighting apllication. Natural Spectrum LEDs diminish blue light peak, similar spectral curve to sunlight, accurate rendering of colors and reduced scattered reflection and glare.

Tunable White Option

Tunable White allows the luminaires to be color tuned via various controls. Create the perfect environment for the desired use of the space or mimic the natural color patterns throughout the day and stimulate circadian rhythm. Available in tunning range of 50K27K (TWH-50K-27K), 65K-27K (TWH-65K-27K).

RGB+White Option

Refine your space with Mood Master (RGB+W), which provides complete control over hue, color temperature, saturation, and dimming for design versatility. RGB + White technology has a color tuning range from 6500K to 1650K. RGB color range derived from the primary colors red, green and blue is used to create infinite color options in the RGB palette, adding colors together in varying amounts to create new ones. RGB + White technology enables users to adjust the color temperature, adding gradients of saturated colors. No longer restricted to white light LEDs, lighting designers and architects can manipulate a space with desired hues and shades, altering the color temperature of the room, creating the perfect environment. The use of RGB Tunable White technology in allows infinite possibilities for any application

Dimming & Driver Information

DIM10 - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard

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<u>DIMTR</u> - Triac & Electronic low voltage forwardp hase dimming. Available in 120V only

LUTH - Lutron LDE1 Hi-Lume Eco System with Soft Fade to Black 1% dimming

ELDO10-LOG - ELDO10-LOG with logarithmic dimming curve.

ELDO10.1-LIN - ELDO10-Linear with linear dimming curve.

ELDODALI.1 - EldoLED SoloDrive DALI-2. Dimming down to 0.1%

<u>BLE-CASAMBI</u> - Luminaires may be controlled, grouped, scheduled or placed in scenes , and or zones Via Cassambi Bluetooth 4.0 App.

Warranty

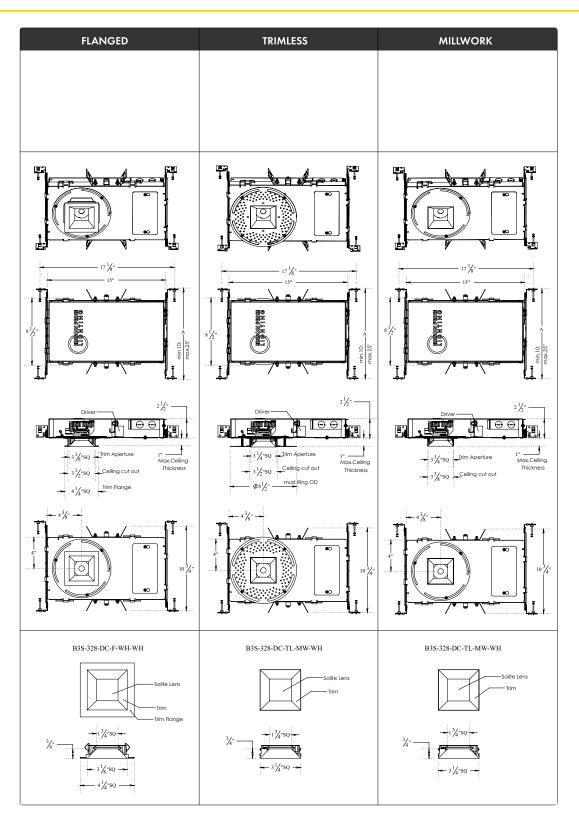
Five-year warranty for parts and components. (Labor not included)

Listings

- c-UL-us: Listed for Wet Location when used with wet-location rated trims
- c-UL-us: Listed for Feed-Through Wiring
- Energy Star and California Title 24 compliant (JA8)
- Optional Black color trim is not Energy Star certified and will not meet the requirements
- 22K and 27K are not Energy Star listed and will not meet the requirements
- BABA Compliant for government procurement under FAR, DFARS, and DOT regulations.

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BOLD-3S-SHAL



EDISON PRICE

WWW.EPL.COM 718.685.0700 NEW YORK / LOS ANGELES

1- Luminaire will be shipped with Powerpacks pr e-installed, ready to be integrated to designated contol systems 2- Luminaire will be shipped with Sensorsins talled on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems

3- Luminaire will be shipped with Sensors to be remotely installed on the ceiling. Luminaires will be ready to be integrated with designated cont rol systems

BRAND	OLUTRON	enlighted	LEVITON.	ENCELIUM	PHILIPS	La legrand [®]		
CONTROL UNIT	 FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminare is shipped Vive Enabled)¹⁴ FCJS-EC0 Lutron Vive Eco-system Pow Pak (Luminare is shipped Vive Enabled) 	CU-4E-FMH Fixture Mount Control Unit ¹⁵	ZL027 –NOW Intellect Power Control Module 16	EN-WCM2-ZB-DR Wireless Control Module ¹⁷	XITANIUM SR LED DRIVER The Philips Advance Xitanium SR LED driver ¹⁵	LMFC-011 ON/ OFF/0-10V dimming fixture controller ¹⁹ FS-PP-V2 FS-PP Fixture Integrated Sensor Power Pack ¹⁹	NXFM-1R2D-0-UNV NX Fixture Module, Offset, 1 Relay, 2 0-10V Dimming Channels, 120-347VAC, Blue	
	 □ A-WN-D01-RF-WH Athena wireless node (RF only) (White) □ A-WN-D01-OCC-WH Athena wireless node with sensor (White) 		ZL027 –DLE Intellect Power Control Module 16	EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module ¹⁷		LMFS-601 Integrated Fixture Sensor & Controller		
INTEGRATED OCCOPANCY& DAYLIGHT SENSOR Daylight Sensing ²	Clear Connect (RF) and	□ SU-5E-IoT IoT Node Micro Sensor □ SU-5E-CL Connected Micro Sensor □ SU-5E-IL	ZL00J -T0W Intellect Intelligent Fixture Control System ²	□ EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor	SNS 212 EasyAir Daylight and Occupancy sensor	FD-301 Fixture integrated Daylight Dimming Sensor ²	NXRM HubbNETTM Radio Module NXSMP2-OMNI Integrated Fixture	
	Indipendent Micro Sensor SU-5S-H(IoT/CL/IL) Serface Mount Sensor (Must be Specified with CU- 4E-FMH Control Unit) ²	ZL00J-D0W Intellect Intelligent Fixture Control System ²	□ ZBHA- CLM-DIM-ENC Connected Lighting Module DIM ²	SNS300 SNS300 for networks ²	□ FS-205 Fixture integrated passive infrared occupancy sensor ²	Senšor & Controller Integrated Fixture Sensor & Controller		
*WIRELESS Occupancy Sensor	LRF2-0CR2B-P-WH Ceiling mount360° ,occupancy/vacancy sensor ³	N/A	N/A	EN-SCPPH- 1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³	N/A	LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor ³	NXSMP2-SMI NX Slide Mount Indoor Sensor Module	
*WIRELESS Daylight Sensor	LRF2-DCRB-WH Ceiling-mount daylight sensor ³	N/A	N/A	■ EN-SCPPH- 1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³	N/A	LMLS-400 Single zone switching and dimming digital photosensor ³	LUXSTATLS Luxstat Light Sensor for Luxstat Control Modules, 3 to 6000 FC	
*WIRELESS Occupancy & Daylight Sensor	N/A	□ SU-5E-IoT IoT Node Micro Sensor □ SU-5E-CL Connected Micro Sensor □ SU-5E-IL Indipendent Micro Sensor □ SU-5S-H(IoT/CL/IL) Serface Mount Sensor	 ZL00J -T0W Intellect Intelligent Fixture Control System ZL00J-D0W Intellect Intelligent Fixture Control System 	EN-CLM- PIR-DD-ZB SensiLUM TM Wireless Integrated Sensor ZBHA- CLM-DIM-ENC Connected Lighting Module DIM	SNS212-CMP SNS-212 for Grouping ³	N/A	NXSMDT Indoor Ceiling Mount Sensor - OMNI	
	(Must be specified with CU- 4E-FMH Control Unit) ³	(Must be specified with ZL027-NOW and ZL00J-DOW Control unit) $^{\rm 3}$	(Must be specified with EN-WCM2-ZB-DR or EN- ALC-ZB-BK-DR Control Unit) ³					
ACCESSORIES	N/A	TMC-SU-5E Tile Mount Carrier CBL-5E-CU4-30N 30 linch Sensor cable for CU-4 and IoT Ready CBL-5E-CU4-7F 7 Foot sensor cable for CU-4 and IoT Ready Driver	N/A	N/A	N/A	N/A	N/A	
NOTES	4- Luminaire will be compatible with LUTRON LRF2-0CR2B-PWH Ceiling mount 360deg occupancy/vacancy sensor & LRF2-DCRB-WH ceiling mount daylight sensor Sensors must be orderd through Lutron	5- Luminaire will be compatible with ENLIGHTED SU-5E-IoT, SU-5E-CL, SU- 5E-IL, SU-5SH, Sensors	6- Luminaire will be compatible with LEVITON I ntellect APP & Keypad room controller	7- Luminaire will be compatible with EN-SCPPH-1500-ZB Wireless passive infrared occupancy and photo sensor	8- Luminaire will be compatiable with philips field and wireless switch	9- Luminaire will be compatiable with DLM Room control system LMPB-100 Sensors must be orderd through Legrand.	N/A	