

4"

4" Wallwash Downlight

BOLD-4-WW-IC

Bold Series



Application & Features

BOLD-4-WW-IC Wallwash is a specification-grade architectural LED luminaire designed to provide exceptional uniformity and smooth wall illumination. With field-changeable optics and tool-less trim interchangeability, BOLD-4-WW-IC Wallwash ensures consistent, glare-free light distribution across vertical surfaces, creating visually engaging environments without harsh shadows or hotspots. Its precise beam angles are optimized for wall washing, enhancing architectural elements with a seamless, even light coverage.

Available in three distinct housing options—flanged, trimless, and millwork—BOLD-4-WW-IC Wallwash adapts to a variety of ceiling conditions, offering a sleek, integrated aesthetic. The system features 98 CRI with 1x2 Step MacAdam Ellipse color consistency, ensuring perfect color accuracy and visual harmony. Additionally, it supports multiple dimming protocols down to 0.1%, allowing for complete control over light levels to create the desired ambiance.

Perfect for commercial, hospitality, retail, institutional, civic, cultural, corporate, academic, healthcare, luxury residential, gallery, and museum environments, BOLD-4-WW-IC Wallwash enhances the architectural beauty of any space while providing optimal wall illumination.

As part of the BOLD family, which includes downlight and adjustable accent options, BOLD-4-WW-IC offers both static and dynamic color technologies, enabling you to meet the evolving demands of high-performance lighting design.

Lumens	High Performance: 900, 1200, 1500, 2000 Dims to Warm: 900, 1200, 1500 Xicato Artist: 900, 1200
CCT & Dynamic Platforms	High Performance: 27K, 30K, 35K, 40K, 50K Dims to Warm: 18K-30K, 27K-30K, 22K-30K Xicato Artist: 27K, 30K, 30K-VIB, 35K, 40K
CRI	High Performance: 90+, 98+ Dims to Warm: 90+ Xicato Artist: 90+, 95+
Color Quality	2 Step MacAdam Ellipse
Trim Options	Wallwash: Flanged, Trimless, Millwork
Finish Options	Anodized: White (WH), Black (BK), Chrome (CL), Satin Haze (SHZ) Diecast: White (WH), Black (BK)
Driver Options	DIM10, LUTH, LUTFTB, ELDO10.1-LIN, ELDODMX.1, ELDODALI.1, DIMTR, BLE-CASAMBI, POE, DIM10-0-OFF, ELDO10-LOG, XSR, DIM10-AUX
Emergency	-[All emergency options require top access, remote emergency test switch included], EMG-10, EMG-20, EMG-10-SDT, EMG-20-SDT, GTD
Lifetime	LED is rated for >60,000 hours at 70% lumen maintenance
Photometric Tests	In Accordance with IES LM79-08, LM80 and TM-30, TM-22



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PART NUMBER: **BOLD-4-WW-IC-900L-27K-90-DIM10-120V**

Series	Flange Options	Lumens	CCT	CRI	Driver	Voltage	Emergency	Bar Hanger	Options	Optical Accessories
BOLD-4-WW-IC	- Flanged TL Trimless MW Millwork	900L 1200L 1500L 2000L ¹	27K 30K 35K 40K 50K	90+ 98+²	DIM10 LUTH LUTFTB ELDO10.1-LIN ELDODMX.1 ELDODALI.1 DIMTR³ BLE-CASAMBI POE DIM10-0-OFF ELDO10-LOG XSR DIM10-AUX	120V MVOLT 347V⁴	- All emergency options require top access, remote emergency test switch included EMG-10 EMG-20 EMG-10-SDT EMG-20-SDT GTD	- Standard bar hangers included BP27 27" C-channel bar hangers BP32 32" C-channel bar hangers BP52 52" C-channel bar hangers	- RIF RIF filter REM Single Remote Dimming Driver ⁵ BABA Made in America Compliance Controls See last page	- SOFL Solite Frosted SFL Soft Focus 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 highest lumen will not be compatible with any optical accessories ² 98+ CRI 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-4-WW-IC-WDM-900L-18K-30K-90-DIM10-120V**

Series	Flange Options	Lumens	CCT	CRI	Driver	Voltage	Emergency	Bar Hanger	Options	Optical Accessories
BOLD-4-WW-IC-WDM (Dim to Warm)	- Flanged TL Trimless MW Millwork	900L 1200L 1500L ¹	18K-30K 27K-30K 22K-30K	90+	DIM10 LUTH LUTFTB ELDO10.1-LIN ELDODMX.1 ELDODALI.1 DIMTR² BLE-CASAMBI POE DIM10-0-OFF ELDO10-LOG XSR DIM10-AUX	120V MVOLT 347V³	- All emergency options require top access, remote emergency test switch included EMG-10 EMG-20 EMG-10-SDT EMG-20-SDT GTD	- Standard bar hangers included BP27 27" C-channel bar hangers BP32 32" C-channel bar hangers BP52 52" C-channel bar hangers	- RIF RIF filter REM Single Remote Dimming Driver ⁴ BABA Made in America Compliance	- SOFL Solite Frosted SFL Soft Focus 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 highest 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

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PART NUMBER: **BOLD-4-WW-IC-XIA-900L-27K-90-DIM10-120V**

Series	Flange Options	Lumens	CCT	CRI	Driver	Voltage	Emergency	Bar Hanger	Options	Optical Accessories
BOLD-4-WW-IC-XIA <i>(Xicato Artist)</i>	- Flanged TL Trimless MW Millwork	900L 1200L¹	27K 30K 30K-VIB 35K 40K	90+ 95+²	DIM10 LUTH LUTFTB ELDO10.1-LIN ELDODMX.1 ELDODALI.1 DIMTR³ BLE-CASAMBI POE DIM10-0-OFF ELDO10-LOG XSR DIM10-AUX	120V MVOLT 347V⁴	- All emergency options require top access, remote emergency test switch included EMG-10 EMG-20 EMG-10-SDT EMG-20-SDT GTD	- Standard bar hangers included BP27 27"C-channel bar hangers BP32 32"C-channel bar hangers BP52 52"C-channel bar hangers	- RIF RIF filter REM Single Remote Dimming Driver ⁵ BABA Made in America Compliance	- SOFL Solite Frosted SFL Soft Focus 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 highest 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

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Description

The BOLD-4-WW-IC Wall Wash delivers smooth, even illumination across vertical surfaces with architectural precision. Its fixed optical assembly is engineered to maintain uniform light distribution from ceiling to floor, eliminating hot spots and scalloping. The reflector and lens system are optimized to deliver maximum wall uniformity while keeping glare to a minimum—supporting quiet ceilings and visual comfort in any space.

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.

Exceptional Optical Quality: The precision-engineered 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 field-changeable 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 die-cast 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.

- **Anodized Aluminum**
Designed for visual comfort, anodized trims recess, 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

Wallwash Trim

The wall wash housing offers 360° rotation and up to 30° tilt. This range of movement allows the wall wash housing to be positioned and directed in either direction along the wall, ensuring precise control of light placement for uniform illumination across the vertical surface. Hot aiming further ensures accurate, permanent positioning.

Housing

Constructed from 18-gauge cold-rolled steel, it ensures durability and efficient thermal management with a matte black powder-coated finish.

Housing is IC-rated and can be installed in direct contact with insulation, ensuring proper thermal performance without requiring a minimum clearance from insulation materials. Integrated thermal protection prevents overheating in high-ambient conditions.

The 90°C-rated junction box includes multiple 1/2" knockouts and supports 4-in/4-out through-branch wiring.

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.

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.

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Dim to Warm Option

Dim 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 is designed for Human Centric lighting application. 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 tuning range of 50K-27K (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

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

LUTFTB - Lutron PEGO Hi-Lume Premier Eco System LED Driver with soft-on fade to black 0.1% dimming

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

ELDODMX.1 - EldoLED PowerDrive dimming down to 0.1%. Please see EldoLED website for wiring diagrams and a list of compatible DMX and DALI control systems.

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

DIMTR - Triac & Electronic low voltage forward phase dimming. Available in 120V only

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

POE - Power-over-Ethernet Depending on the PoE manufacturer selected

DIM10-0-OFF - Program DIM10-to OFF with linear dimming curve 0.1%

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

XSR - Xitanium SR Dimming

DIM10-AUX - 0-10V with Auxiliary power








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.

- 1- Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated control systems
- 2- Luminaire will be shipped with Sensors installed 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 control systems

BRAND							
CONTROL UNIT	<input type="checkbox"/> FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminaire is shipped Vive Enabled) ¹⁴ <input type="checkbox"/> FCJS-ECO Lutron Vive Eco-system Pow Pak (Luminaire is shipped Vive Enabled) <input type="checkbox"/> A-WN-D01-RF-WH Athena wireless node (RF only) (White) <input type="checkbox"/> A-WN-D01-OCC-WH Athena wireless node with sensor (White)	<input type="checkbox"/> CU-4E-FMH Fixture Mount Control Unit ¹⁵	<input type="checkbox"/> ZL027 -NOW Intellect Power Control Module ¹⁶ <input type="checkbox"/> ZL027 -DLE Intellect Power Control Module ¹⁶	<input type="checkbox"/> EN-WCM2-ZB-DR Wireless Control Module ¹⁷ <input type="checkbox"/> EN-ALC-ZB-BK-DR Wireless Area Lighting Control Module ¹⁷	<input type="checkbox"/> XITANIUM SR LED DRIVER The Philips Advance Xitanium SR LED driver ¹⁸	<input type="checkbox"/> LMFC-011 ON/OFF/0-10V dimming fixture controller ¹⁹ <input type="checkbox"/> FS-PP-V2 FS-PP Fixture Integrated Sensor Power Pack ¹⁹ <input type="checkbox"/> LMFS-601 Integrated Fixture Sensor & Controller	<input type="checkbox"/> NXFM-1R2D-O-UNV NX Fixture Module, Offset, 1 Relay, 2 0-10V Dimming Channels, 120-347VAC, Blue
INTEGRATED OCCUPANCY & DAYLIGHT SENSOR	<input type="checkbox"/> DFCSJ-OEM-OCC Clear Connect (RF) and Occupancy/Daylight Sensing ²	<input type="checkbox"/> SU-5E-IoT IoT Node Micro Sensor <input type="checkbox"/> SU-5E-CL Connected Micro Sensor <input type="checkbox"/> SU-5E-IL Independent Micro Sensor <input type="checkbox"/> SU-5S-H(IoT/CL/LI) Surface Mount Sensor (Must be Specified with CU-4E-FMH Control Unit)²	<input type="checkbox"/> ZL00J -TOW Intellect Intelligent Fixture Control System ² <input type="checkbox"/> ZL00J-DOW Intellect Intelligent Fixture Control System ²	<input type="checkbox"/> EN-CLM-PIR-DD-ZB SensILUM™ Wireless Integrated Sensor <input type="checkbox"/> ZBHA-CLM-DIM-ENC Connected Lighting Module DIM ²	<input type="checkbox"/> SNS 212 EasyAir Daylight and Occupancy sensor <input type="checkbox"/> SNS300 SNS300 for networks ²	<input type="checkbox"/> FD-301 Fixture integrated Daylight Dimming Sensor ² <input type="checkbox"/> FS-205 Fixture integrated passive infrared occupancy sensor ²	<input type="checkbox"/> NXRM HubNETTM Radio Module <input type="checkbox"/> NXSMPT2-OMNI Integrated Fixture Sensor & Controller <input type="checkbox"/> NXSMPT2-LMI Integrated Fixture Sensor & Controller
*WIRELESS OCCUPANCY SENSOR	<input type="checkbox"/> LRF2-OCR2B-P-WH Ceiling mount 360° occupancy/vacancy sensor ³	N/A	N/A	<input type="checkbox"/> EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³	N/A	<input type="checkbox"/> LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor ³	<input type="checkbox"/> NXSMPT2-SMI NX Slide Mount Indoor Sensor Module
*WIRELESS DAYLIGHT SENSOR	<input type="checkbox"/> LRF2-DCRB-WH Ceiling-mount daylight sensor ³	N/A	N/A	<input type="checkbox"/> EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³	N/A	<input type="checkbox"/> LMLS-400 Single zone switching and dimming digital photosensor ³	<input type="checkbox"/> LUXSTATLS Luxstat Light Sensor for Luxstat Control Modules, 3 to 6000 FC
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR	N/A	<input type="checkbox"/> SU-5E-IoT IoT Node Micro Sensor <input type="checkbox"/> SU-5E-CL Connected Micro Sensor <input type="checkbox"/> SU-5E-IL Independent Micro Sensor <input type="checkbox"/> SU-5S-H(IoT/CL/LI) Surface Mount Sensor (Must be specified with CU-4E-FMH Control Unit)³	<input type="checkbox"/> ZL00J -TOW Intellect Intelligent Fixture Control System <input type="checkbox"/> ZL00J-DOW Intellect Intelligent Fixture Control System (Must be specified with ZL027-NOW and ZL00J-DOW Control unit)³	<input type="checkbox"/> EN-CLM-PIR-DD-ZB SensILUM™ Wireless Integrated Sensor <input type="checkbox"/> ZBHA-CLM-DIM-ENC Connected Lighting Module DIM (Must be specified with EN-WCM2-ZB-DR or EN-ALC-ZB-BK-DR Control Unit)³	<input type="checkbox"/> SNS212-CMP SNS-212 for Grouping ³	N/A	<input type="checkbox"/> NXSMPT Indoor Ceiling Mount Sensor - OMNI
ACCESSORIES	N/A	<input type="checkbox"/> TMC-SU-5E Tile Mount Carrier <input type="checkbox"/> CBL-5E-CU4-30N 30 inch Sensor cable for CU-4 and IoT Ready <input type="checkbox"/> 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-OCR2B-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 Intellect 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 compatible with philips field and wireless switch	9- Luminaire will be compatible with DLM Room control system LMPB-100. . Sensors must be orderd through Legrand.	N/A