

LASER BLADE INOUT 10

Recessed Downlight - Remote

Project: _____

Type: _____



Laser Blade InOut is the continuity of the Laser Blade family designed for wet or damp applications. The luminaires are equipped with high performance Opti Beam optics system for low luminance downlights (UGR < 10). Laser Blade InOut is available in 4 aperture sizes, trim or flush mount, 3 distributions, generous outputs of up to 2400 lumens and excellent chromatic performance.

PHOTOMETRIC SUMMARY

Optic	Lumens (lm)	Efficacy (lm/W)	Max Candela (cd)	BUG
SP - 12°	1 534	64	13 678	B2 U1 G0
FL - 30°	1 639	68	5 319	B2 U0 G0
WF - 48°	1 578	66	2 991	B2 U0 G0

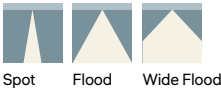
For 3000K, 90CRI. Consult [page 5](#) for full photometric data.

FINISH OPTIONS



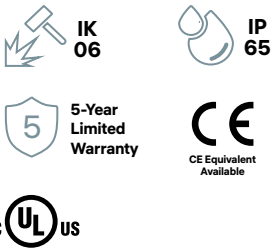
Consult factory for custom finishes

OPTIC OPTIONS



FEATURES

- 0-10V (120-277V) down to 1% Triac and ELV (120V) down to 15%
- Additional sizing available with integral driver: [Ceiling 2](#), [Ceiling 5](#), [Wall 2](#) & [Wall 5](#)
- Additional sizing available with remote driver: [Ceiling 2](#), [Ceiling 5](#), [Wall 2](#) & [Wall 5](#), [Recessed 2](#), [Recessed 5](#) & [Recessed 15](#)
- Consult factory for further customization
- Full specification available [page 4](#)



ORDERING INFO

PRODUCT CODE

EXAMPLE: ILBIO10-TR-IC-930-FL-REM-01

MODEL	MOUNTING	INSTALLATION TYPE	LED	OPTIC	VOLTAGE	FINISH (TRIM / BAFFLE)			
ILBIO10 Ten Cells	TR Trim	IC New Construction Insulated Ceiling	927 2700K, 90CRI	SP Spot 12°	REM Remote	01 White / Black	02 Black / Black	15 Gray / Black	I5 Rust Brown / Black
	FM Flush Mounted	CP New Construction Chicago Plenum	930 3000K, 90CRI	FL Flood 30°		T4 White / Glossy Lead	T0 Black / Glossy Lead	T8 Gray / Glossy Lead	U2 Rust Brown / Glossy Lead
			935 3500K, 90CRI	WF Wide Flood 48°		T3 White / Glossy Sand	S9 Black / Glossy Sand	T7 Gray / Glossy Sand	U1 Rust Brown / Glossy Sand
			940 4000K, 90CRI			T2 White / Glossy Copper	S8 Black / Glossy Copper	T6 Gray / Glossy Copper	U0 Rust Brown / Glossy Copper
						T1 White / Glossy Urban Bronze	S7 Black / Glossy Urban Bronze	T5 Gray / Glossy Urban Bronze	T9 Rust Brown / Glossy Urban Bronze

DRIVER CODE

EXAMPLE: 4549-0700-038-UNV-ED10

DRIVER
Driver options are available on page 2 .

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REMOTE LED DRIVER OPTIONS

DRIVER CODE

EXAMPLE: 4549-0700-038-UNV-ED10

INDOOR RATED DRIVER BOX MODELS	MIN-MAX UNITS	OUTDOOR RATED DRIVER BOX MODELS	MIN-MAX UNITS
	20W*		20W*
4444-0700-022-120-LTE	1	4548-0700-022-120-LTE	1
4443-0700-025-UNV-D2	1	4548-0700-025-UNV-D2	1
4450-0700-030-UNV-ED10	1	4549-0700-030-UNV-ED10	1
4450-0700-038-UNV-ED10	1	4549-0700-038-UNV-ED10	1
4450-0700-030-UNV-SD10	1	4549-0700-030-UNV-SD10	1
4448-0700-100-UNV-SD10 (4 output)	1-4 MAX 1 per output	4549-0700-100-UNV-SD10 (4 output)	1-4 MAX 1 per output

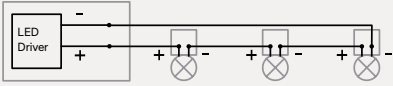
* Wattage requirement for one (1) fixture (remote fixture only).

DRIVER BOX MODEL DESCRIPTION

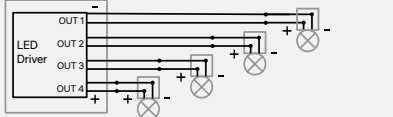
MODEL (L x W x H)	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
4443 5" x 4" x 3" (127 x 102 x 76mm)	0700 700mA	022 to 100 22W to 100W	120 120V	LTE Leading & Trailing Edge (ELV & TRIAC) Dimming Range Down to 15% Max Distance 30ft (9m) ¹
4444 6" x 4" x 3" (152 x 102 x 76mm)			UNV 120-277V	D2 Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) Dimming Range Down to 1% Max Distance 30ft (9m) ¹
4448 10" x 8" x 4" (254 x 203 x 102mm)				ED10 0-10V ELDOLED ECOdrive Dimming Range Down to 1% Max Distance 118ft (36m) ¹
4450 8" x 8" x 4" (203 x 203 x 102mm)				SD10 0-10V ELDOLED SOLOdrive Dimming Range Down to 0.1% Max Distance 118ft (36m) ¹
4548 6" x 4.5" x 3" (152 x 114 x 76mm)				
4549 14.5" x 5" x 3.5" (368 x 127 x 89mm)				

WIRING DIAGRAMS

For LTE, D2 or ED10
Multiple luminaires must be connected in series (home run or fixture chain)

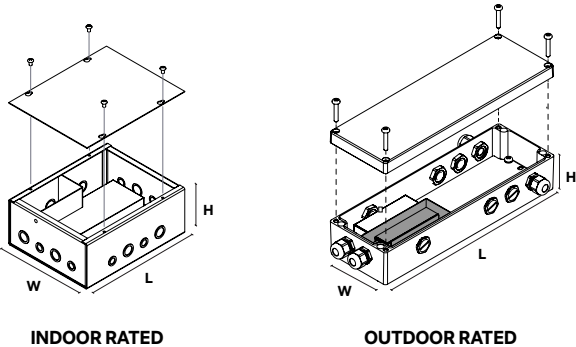


For SD10
Luminaires must be connected on separate output. Do not exceed the wattage and voltage range on each output.



¹ Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

DRIVER BOX DIMENSIONS



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INSTALLATION

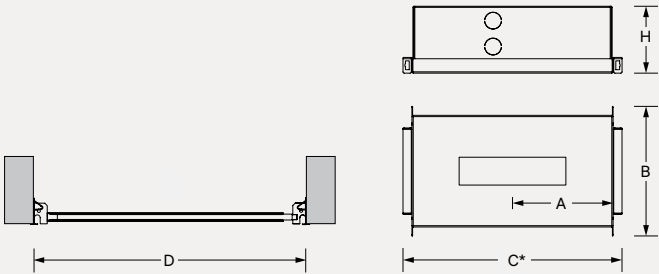
NEW CONSTRUCTION WITH HOUSING SUITABLE
FOR INSULATED CEILING (IC) OR CHICAGO PLENUM (CP)

Housing with hanger bars system for new construction
installations. Suitable for insulated ceiling or chicago plenum applications.

Housing can be shipped separately.

CEILING THICKNESS

Trim 1/8" - 1" (3 - 25mm)
Flush mounted 5/8" (16mm)



*Provide a minimum of 1 7/8" (46mm) on each side for the hanger bar fixations.

Housing	Cut-Out Dimensions	Cut-Out Positions (A)	Overall Dimensions (BxC)	Hanger Bars Range (D)	Clearance (H)
BI-LBIO10-TR-IC/CP	1 1/2" x 10 13/16" (37 x 274mm)	8 9/16" (217mm)	6 3/4" x 18" (172 x 458mm)	14 1/4" to 26" (362 to 660mm)	3 1/2" (89mm)
BI-LBIO10-FM-IC/CP	2 3/16" x 11 3/4" (55 x 297mm)				

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SPECIFICATIONS**LUMEN MAINTENANCE**

90% of initial lumens at 100 000 hours (L90 B10) T77°F (25°C)
 90% of initial lumens at 100 000 hours (L90 B10) T104°F (40°C)

OPTICS

Low luminance: Spot, Flood or Wide Flood optics with
 Opti Beam technology

MATERIAL

Body and heat sink: Die-cast aluminum

Frame: Aluminum alloy

Glass: 3mm thick tempered soda-lime glass, transparent with black
 screen-printing on the edge

Reflector and baffle: Thermoplastic

Housing: Galvanized steel

MOUNTING

New construction housing or Chicago Plenum rated housing, both
 suitable for insulated ceiling.

See installation option details on [page 3](#).

ELECTRICAL

High efficiency remote dimmable LED driver, rated at 50 000 hours.

See remote LED driver options on [page 2](#).

DIMMING

0-10V (120-277V) down to 1%

Triac and ELV (120V) down to 15%

See dimming options on [page 2](#).

FINISH

Trim: Black (RAL9005), Gray (RAL9007), Rust Brown (RAL8017), and
 White (RAL9016) painted with a high level of weather and UV resistance.
 The semi-gloss finish coating is electrostatically applied durable acrylic
 enamel baked at high temperatures for superior color retentive finish. We
 provide RAL numbers that are similar, but we cannot guarantee an exact
 color match. For a more accurate color and gloss match, please contact
 customer service for a sample chip.

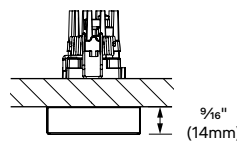
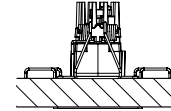
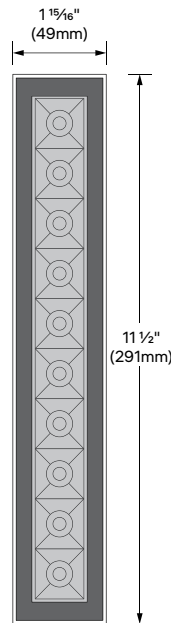
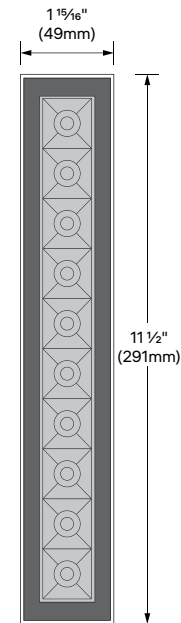
Baffle: Black, Glossy Sand, Glossy Copper, Glossy, Urban Bronze
 and Glossy Lead.

OPERATING TEMPERATURE

-22°F to 122°F (-30°C to 50°C)

WEIGHT

2.43lb (1.1kg)

DIMENSIONS**TRIM****FLUSH MOUNTED**

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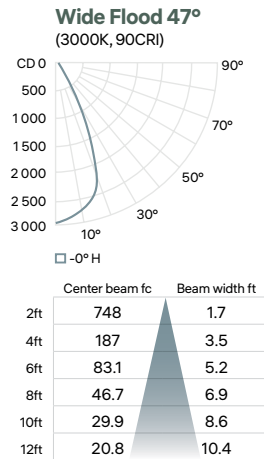
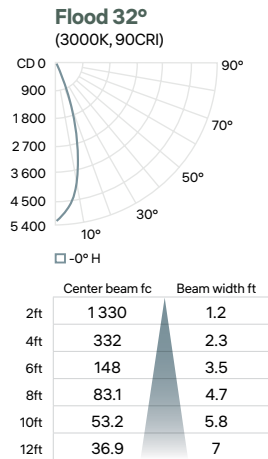
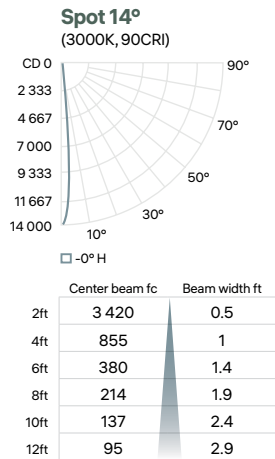
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PHOTOMETRIC DATA

CCT (K)	CRI	POWER (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	BUG	MODELS
3000	90	24	Spot 14°	1 534	64	13 678	B2 U1 G0	ILBIO10-930-SP
			Flood 32 °	1 639	68	5 319	B2 U0 G0	ILBIO10-930-FL
			Wide Flood 47°	1 578	66	2 991	B2 U0 G0	ILBIO10-930-WF

Power can vary with selected drivers. Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.



CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	1	1	1.1	1.14