


Laser Blade XS-LC is the extension of the award winning Laser Blade collection. This new family of downlights is specifically designed for low ceiling applications, with only 2" (51mm) total height they are suitable for most ceiling conditions including insulated ceilings. The luminaires are equipped with high performance Opti Beam optics system for low luminance wall washer distribution up to 450 Lumens (3000K, 90CRI) The XS LC are suitable for most ceiling conditions, retrofit or new construction, and they can also be installed in direct contact with insulation without needing a housing or thermal protection. The collection is paired with the industry best power supplies and can be dimmed down to 0.1 %.

Luminaire characteristic:

Power input: 5W to 13W (remote fixture only)
Lumens: 120lm to 450lm (for 3000K, 90CRI)
Luminaire efficacy: Up to 34lm/W

Source:	White LED (LM-80), 2700K : 90CRI, 3000K : 90CRI, 3500K : 90CRI, 4000K : 90CRI.
Lumen maintenance:	80% of initial lumens at 50 000 hours (L80) (LM-79).
Optic:	Wall washer, Wall washer LGC (longitudinal glare control)
Material:	Body: Die-cast Zamak (zinc/aluminum alloy) Diffuser: Frosted PMMA diffuser with linear optic Reflector: Superpure aluminum Baffle: Polycarbonate
Mounting:	Remodel or new construction with plaster frame (page 5).
Electrical:	See remote LED driver options on page 3-4.
Finish:	Black, white (RAL9010) and grey (RAL9006).
Weight:	ILBXS03: 0.33lb (0.15kg) ILBXS05: 1.06lb (0.48kg) ILBXS10: 1.21lb (0.55kg) ILBXS15: 1.94lb (0.75kg)
Warranty:	5 year limited warranty.
Rating:	IP20, IP43 (from under the ceiling).
Certification:	 cULus listed for damp location. Interior use only.



ORDERING INFO

ILBXS - - **- LC -** - - **- REM -**
FIXTURE

- LBXS -
MOUNTING

MODEL

☐ **03** - Triple ☐ **05** - Five ☐ **10** - Ten ☐ **15** - Fifteen

MOUNTING

☐ **TR** - Trim ☐ **TL** - Trimless

INSTALLATION

☐ **RF** - Remodeling (no housing) ☐ **NC** - New construction plaster frame

LED

☐ **927** - 2700K, 90 CRI ☐ **930** - 3000K, 90 CRI ☐ **935** - 3500K, 90 CRI ☐ **940** - 4000K, 90 CRI

OPTIC

☐ **WW** - Wall washer ☐ **WL** - Wall washer LGC (longitudinal glare control)

VOLTAGE

☒ **REM** - Remote

FINISH (trim finish / baffle finish)

 **Black baffle** ☐ **01** - White/Black ☐ **10** - Gray/Black ☐ **02** - Black/Black ☐ **02** - Black

REMOTE LED DRIVER OPTIONS

(TO BE ORDERED SEPARATELY)

For ILBXS03-LC • 4.6W* • 550mA



Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1-5	30	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 101mm)	118ft (36m)	4450-0550-030-UNV-ED10 <input type="checkbox"/>
1-5	30	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 101mm)	118ft (36m)	4450-0550-030-UNV-SD10 <input type="checkbox"/>

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

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

For ILBXS05-LC • 5.5W* • 400mA



Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1-3	22	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 101mm)	118ft (36m)	4450-0400-022-UNV-ED10 <input type="checkbox"/>
1-3	22	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 101mm)	118ft (36m)	4450-0400-022-UNV-SD10 <input type="checkbox"/>
1-12 3 per channel	91	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 101mm)	118ft (36m)	4448-0400-091-UNV-SD10 (4 channels) <input type="checkbox"/>

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

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

For ILBXS10-LC • 9W* • 330mA



Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1	18	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 101mm)	118ft (36m)	4450-0330-018-UNV-ED10 <input type="checkbox"/>
1	18	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 101mm)	118ft (36m)	4450-0330-018-UNV-SD10 <input type="checkbox"/>
1-4 1 per channel	75	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 101mm)	118ft (36m)	4448-0330-075-UNV-SD10 (4 channels) <input type="checkbox"/>

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

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

For ILBXS15-LC • 12.7W* • 330mA



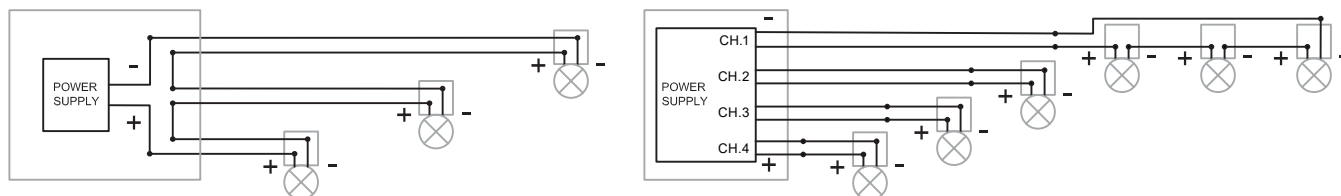
Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1	18	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 101mm)	118ft (36m)	4450-0330-018-UNV-ED10 <input type="checkbox"/>
1	18	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 101mm)	118ft (36m)	4450-0330-018-UNV-SD10 <input type="checkbox"/>
1-4 1 per channel	75	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 101mm)	118ft (36m)	4448-0330-075-UNV-SD10 (4 channels) <input type="checkbox"/>

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

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

WIRING DIAGRAM

*Multiple luminaires must be connected in series (home run or fixture chain)



INSTALLATION

Remodel (RF)

Versatile fixture for new or existing ceiling structure. Suitable for insulated or non-insulated ceiling assemblies, like sheetrock, or paneling. Fixture is ready for remodeling installation. Trimless frame kit and fixture can be shipped separately. Installation from below.
(Power supply is not accessible from luminaire opening)

Ceiling thickness:

Trim: 1/8" to 1 1/8" (3mm - 29mm)
Trimless: 5/8" (16mm)

Cut-out trim:

ILBXS03: 1" x 2 3/8" (24 x 60mm)
ILBXS05: 1" x 3 3/4" (24 x 95mm)
ILBXS10: 1" x 7 3/4" (24 x 186mm)
ILBXS15: 1" x 10 3/4" (24 x 276mm)



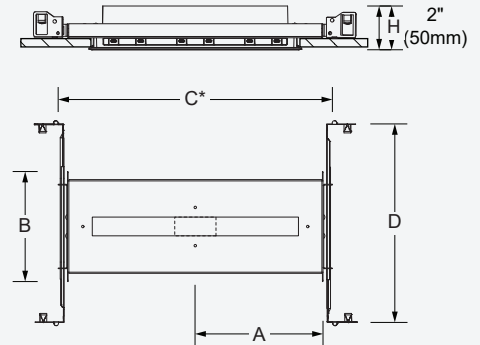
Model	Trimless frame	Cut-out dimensions	Clearance
ILBXS03	TK-LBXS03TL-RF	1 1/8" x 2 3/8" (29 x 60mm)	2" (50mm)
ILBXS05	TK-LBXS05TL-RF	1 1/8" x 3 3/4" (29 x 95mm)	
ILBXS10	TK-LBXS10TL-RF	1 1/8" x 7 1/4" (29 x 184mm)	
ILBXS15	TK-LBXS15TL-RF	1 1/8" x 10 3/4" (29 x 274mm)	

New construction with plaster frame (NC)

Plaster frame with hanger bars system to be installed during rough-in phase. Suitable for insulated or non-insulated new construction ceiling assemblies, like sheetrock, acoustic tiles, or paneling. Plaster frame and fixture can be shipped separately.
(Power supply is not accessible from luminaire opening)

Ceiling thickness:

Trim: 1/8" to 1 1/8" (3mm - 29mm)
Trimless: 5/8" (16mm)

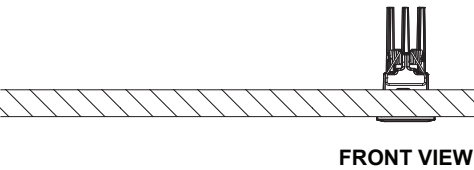


*Provide a minimum of 1/8" (46mm) on each side for the hanger bar fixations

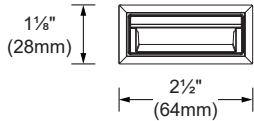
Model	Plaster frame	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance
ILBXS03	BN-LBXS03TR-NC	1" x 2⅝" (24 x 60mm)	2½" (64mm)	5" x 6" (127mm x 152mm)	9" to 15¼" (229 to 387mm)	2" (50mm)
	BN-LBXS03TL-NC	1⅞" x 2⅝" (29 x 60mm)				
ILBXS05	BN-LBXS05TR-NC	1" x 3¾" (24 x 95mm)	3⅜" (86mm)	6¾" x 6⅝" (172mm x 160mm)		
	BN-LBXS05TL-NC	1⅞" x 3¾" (29 x 95mm)				
ILBXS10	BN-LBXS10TR-NC	1" x 7⅝" (24 x 186mm)	5" (127mm)	10" x 5⅞" (254mm x 149mm)	14¼" to 26" (362 to 660mm)	
	BN-LBXS10TL-NC	1⅞" x 7¼" (29 x 184mm)				
ILBXS15	BN-LBXS15TR-NC	1" x 10⅞" (24 x 276mm)	6⅞" (173mm)	13¾" x 5⅞" (346mm x 149mm)		
	BN-LBXS15TL-NC	1⅞" x 10¾" (29 x 274mm)				

DIMENSIONS

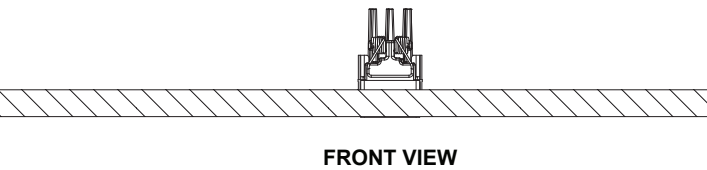
TRIM MODELS



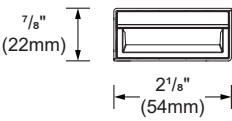
ILBXS03



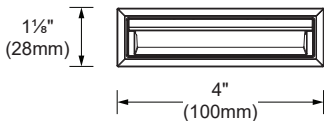
TRIMLESS MODELS



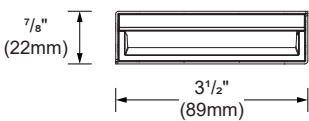
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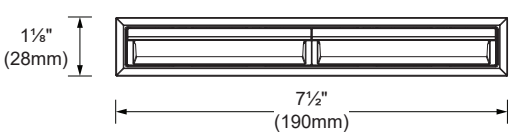
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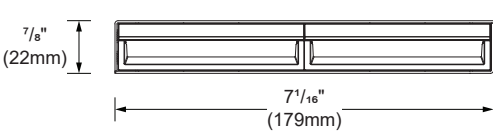
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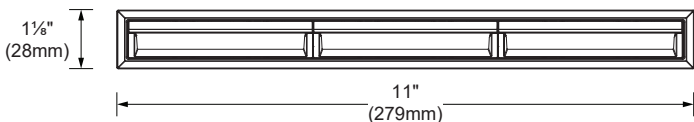
ILBXS10



ILBXS10

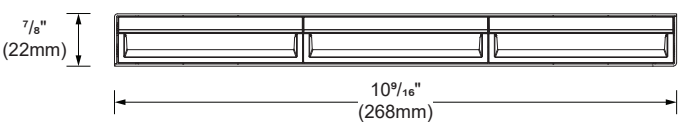


ILBXS15



BOTTOM VIEW

ILBXS15



BOTTOM VIEW

LED COLOR FIDELITY DATA

CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
2700K	94	94	91	93	93	92	93	88	70	84	94	82	94	94	92	88	104	0.456
3000K	97	96	93	94	96	94	95	92	82	89	94	86	97	95	96	90	104	0.538
3500K	99	99	98	98	98	97	97	96	93	99	99	83	99	98	98	92	99	0.666
4000K	94	94	93	94	92	91	97	91	74	85	91	72	93	96	92	91	99	0.744

PHOTOMETRIC DATA

Photometric performance is measured in accordance with IESNA LM-79.
Visit iguzzini.com for complete photometric data.

ILBXS03

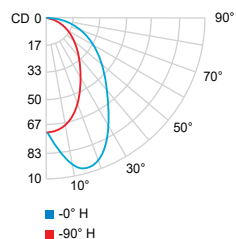


WW WL

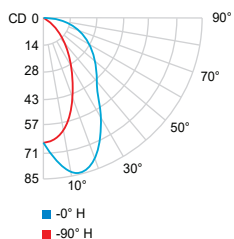
LOAD (W)	CCT (K)	CRI	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
5W	3000K	90	Wall washer	120	24	95	ILBXS03-LC-930-WW
			Wall washer LGC (longitudinal glare control)	100	20	80	ILBXS03-LC-930-WL

*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

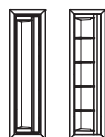
Wall washer (3000K, 90 CRI)



Wall washer LGC (3000K, 90 CRI)



ILBXS05

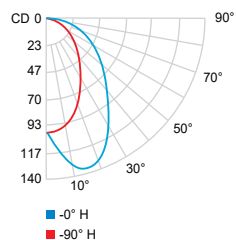


WW WL

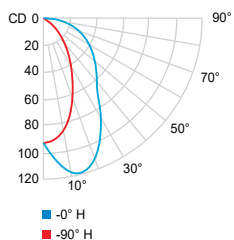
LOAD (W)	CCT (K)	CRI	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
5.5W	3000K	90	Wall washer	170	30	130	ILBXS05-LC-930-WW
			Wall washer LGC (longitudinal glare control)	145	26	110	ILBXS05-LC-930-WL

*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

Wall washer (3000K, 90 CRI)



Wall washer LGC (3000K, 90 CRI)

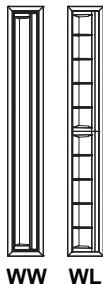


CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.94	1	1	1.12

PHOTOMETRIC DATA

Photometric performance is measured in accordance with IESNA LM-79.
Visit iguzzini.com for complete photometric data.

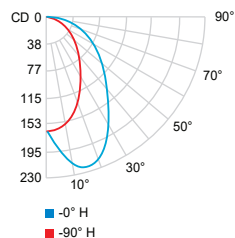
ILBXS10



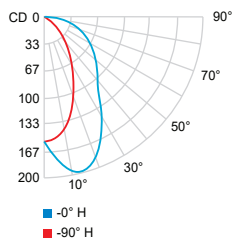
LOAD (W)	CCT (K)	CRI	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
9W	3000K	90	Wall washer	300	33	225	ILBXS10-LC-930-WW
			Wall washer LGC (longitudinal glare control)	250	27	190	ILBXS10-LC-930-WL

*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

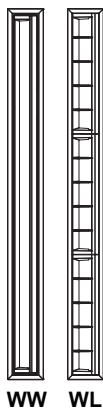
Wall washer (3000K, 90 CRI)



Wall washer LGC (3000K, 90 CRI)



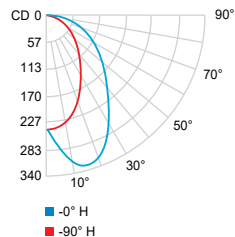
ILBXS15



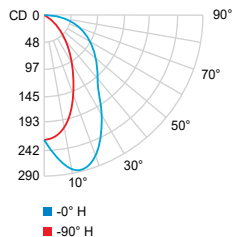
LOAD (W)	CCT (K)	CRI	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
13W	3000K	90	Wall washer	450	34	335	ILBXS15-LC-930-WW
			Wall washer LGC (longitudinal glare control)	380	29	280	ILBXS15-LC-930-WL

*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

Wall washer (3000K, 90 CRI)



Wall washer LGC (3000K, 90 CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.94	1	1	1.12