


Only 28 mm wide, Laser blade XS is an ultracompact architectural downlight, perfect for retail and hospitality environments. The light is aimed and maximised by a micro optical assembly that uses our patented Opti Beam technology. The light source is also invisible, which guarantees excellent visual comfort.

Luminaire characteristic:	Power input: 13.5W to 34.5W (system wattage) Lumens: 695lm to 2241lm (for 3000K, 90CRI) Luminaire efficacy: Up to 64lm/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) (LM79).
Optic:	Low luminance Opti Beam technology with medium, flood and wide flood distribution.
Material:	Body: Die-cast Zamak (zinc/aluminum alloy) Reflector: Metalized thermoplastic Baffle: Polycarbonate
Mounting:	New construction with housing for insulated ceiling and chicago plenum applications (page 3).
Electrical:	Integral high efficiency LED driver, rated at 50 000 hours. 120V or 120-277V.
Dimming:	0-10V dimming (120-277V), down to 5%. Leading edge (TRIAC) and trailing edge (ELV) dimming (120V only), down to 5%. Dali dimming (120V only), down to 1%.
Finish:	Black and white (RAL9010). Grey (RAL9006) available on request (page 2).
Weight:	LBXS05: 1.06lb (0.48kg) LBXS10: 1.21lb (0.55kg) LBXS15: 1.94lb (0.88kg)
Warranty:	5 year limited warranty.
Rating:	IP20
Certification:	 cULus listed for damp location. Interior use only.

ORDERING INFO

ILBXS - - -
FIXTURE

BI - LBXS - - **UNV**
MOUNTING



MODEL

- 05** - Five **10** - Ten **15** - Fifteen

MOUNTING

- TR** - Trim **TL** - Trimless

INSTALLATION

- IC** - Insulated ceiling housing **CP** - Chicago plenum housing

LED

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

OPTIC

- MD** - Medium 24° **FL** - Flood 41° **WF** - Wide flood 58°

VOLTAGE

- 120** - 120V **UNV** - 120-277V

FINISH (trim finish / baffle finish)

- | | | | | |
|---|--|--|--|--|
| | White trim | Gray trim | Black trim | Trimless |
| <input checked="" type="checkbox"/> Black baffle | <input type="checkbox"/> 01 - White/Black | <input type="checkbox"/> 10 - Gray/Black ⁽¹⁾ | <input type="checkbox"/> 02 - Black/Black | <input type="checkbox"/> 02 - Black |
| <input checked="" type="checkbox"/> White baffle | <input type="checkbox"/> 31 - White/White | | | <input type="checkbox"/> 31 - White |

DIMMING

- D10** - 0-10V **DA** - Dali (120V only)⁽²⁾ **LTE** - Leading and trailing edge (120V only)

⁽¹⁾ Available on request, contact customer service for more information.

⁽²⁾ Available with ten (10) and fifteen (15) models. Also available for the five (05) model with trim (TR) mounting.

INSTALLATION

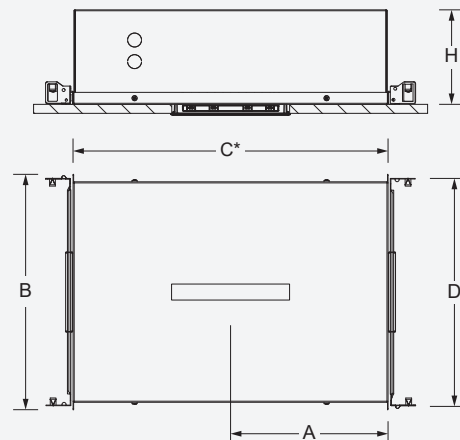
New construction with housing suitable for insulated ceiling (IC) or chicago plenum (CP)

Housing with hanger bars system for new construction installations. Suitable for insulated ceiling or chicago plenum applications. Housing and fixture can be shipped separately.

Ceiling thickness:

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

Trimless: 3/8" (16mm)



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

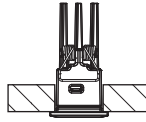
Model	Housing	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
LBXS05	BI-LBXS05TR-IC/CP-UNV	1" x 3 3/4" (24 x 95mm)	5" (125mm)	8 3/8" x 9 1/16" (212mm x 252mm)	9" to 15 1/4" (229 to 387mm)	4 5/8" (116mm)
	BI-LBXS05TL-IC/CP-UNV	1 1/8" x 3 3/4" (29 x 95mm)				
LBXS10	BI-LBXS10TR-IC/CP-UNV	1" x 7 3/8" (24 x 186mm)	10" (250mm)	13 1/16" x 19 1/16" (350mm x 500mm)	14 1/4" to 26" (362 to 660mm)	6" (150mm)
	BI-LBXS10TL-IC/CP-UNV	1 1/8" x 7 1/4" (29 x 184mm)				
LBXS15	BI-LBXS15TR-IC/CP-UNV	1" x 10 5/8" (24 x 276mm)	10" (250mm)	13 1/16" x 19 1/16" (350mm x 500mm)	14 1/4" to 26" (362 to 660mm)	6" (150mm)
	BI-LBXS15TL-IC/CP-UNV	1 1/8" x 10 3/4" (29 x 274mm)				

TRIM MODELS DIMENSIONS

LBXS05

LBXS10

LBXS15

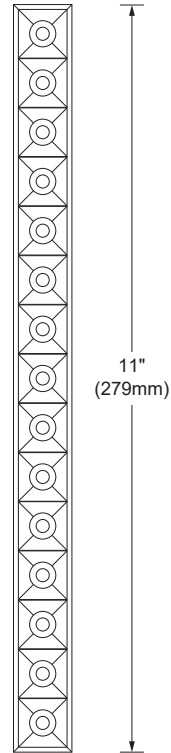
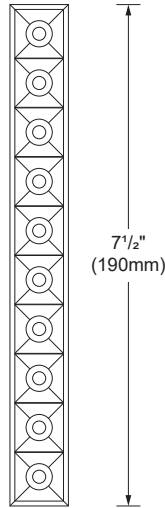
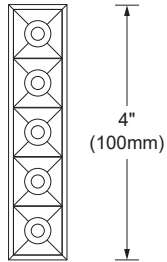


FRONT VIEW

1 1/8"
(28mm)

1 1/8"
(28mm)

1 1/8"
(28mm)



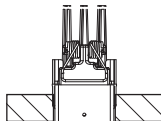
BOTTOM VIEW

TRIMLESS MODELS DIMENSIONS

LBXS05

LBXS10

LBXS15



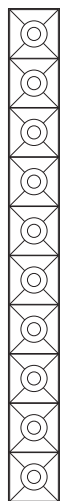
FRONT VIEW

$\frac{7}{8}$ "
(22mm)



$3\frac{1}{2}$ "
(89mm)

$\frac{7}{8}$ "
(22mm)



$7\frac{1}{16}$ "
(179mm)

$\frac{7}{8}$ "
(22mm)



$10\frac{9}{16}$ "
(268mm)

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

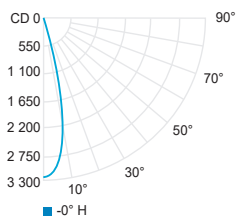
ILBXS05



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	13.5W	Medium 24°	695	51	3 212	ILBXS05-930-MD
			Flood 41°	730	54	1 500	ILBXS05-930-FL
			Wide flood 58°	730	54	930	ILBXS05-930-WF

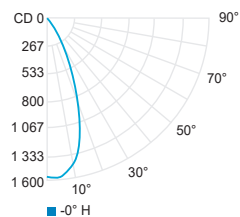
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Medium 24° (3000K, 90CRI)



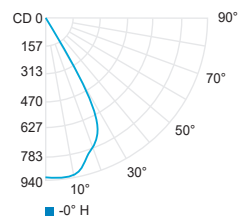
Center beam fc	Beam width ft
2ft	803 0.9
4ft	201 1.8
6ft	89.2 2.7
8ft	50.2 3.5
10ft	32.1 4.4
12ft	22.3 5.3

Flood 41° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	371 1.5
4ft	92.8 3.0
6ft	41.2 4.6
8ft	23.2 6.1
10ft	14.8 7.6
12ft	10.3 9.1

Wide flood 58° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	230 2.2
4ft	57.5 4.4
6ft	25.5 6.6
8ft	14.4 8.8
10ft	9.20 11.0
12ft	6.39 13.2

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.94	1	1	1.19

PHOTOMETRIC DATA

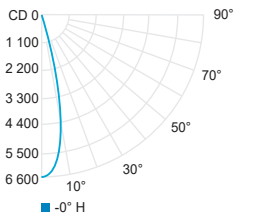
ILBXS10



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	23.8W	Medium 24°	1 422	59	6 570	ILBXS10-930-MD
			Flood 41°	1 494	62	3 068	ILBXS10-930-FL
			Wide flood 58°	1 494	62	1 904	ILBXS10-930-WF

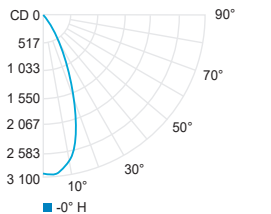
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Medium 24° (3000K, 90CRI)



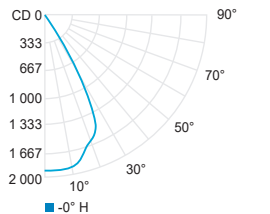
Center beam fc	Beam width ft
2ft	1 643 0.9
4ft	411 1.8
6ft	183 2.7
8ft	103 3.5
10ft	65.7 4.4
12ft	45.6 5.3

Flood 41° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	759 1.5
4ft	90 3.0
6ft	84.3 4.6
8ft	47.4 6.1
10ft	30.4 7.6
12ft	21.1 9.1

Wide flood 58° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	470 2.2
4ft	118 4.4
6ft	52.3 6.6
8ft	29.4 8.8
10ft	8.8 11.0
12ft	13.1 13.2

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.94	1	1	1.19

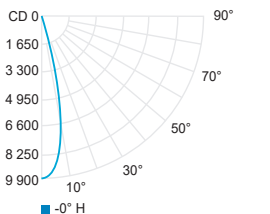
ILBXS15



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	34.5W	Medium 24°	2 133	61	9 855	ILBXS15-930-MD
			Flood 41°	2 241	64	4 603	ILBXS15-930-FL
			Wide flood 58°	2 241	64	2 856	ILBXS15-930-WF

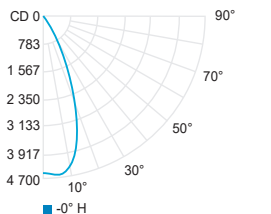
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Medium 24° (3000K, 90CRI)



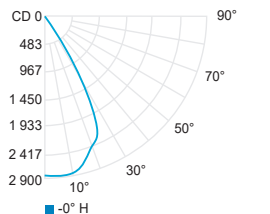
Center beam fc	Beam width ft
2ft	2 464 0.9
4ft	616 1.8
6ft	274 2.7
8ft	154 3.5
10ft	98.6 4.4
12ft	68.4 5.3

Flood 41° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	1 138 1.5
4ft	285 3.0
6ft	126 4.6
8ft	71.1 6.1
10ft	45.5 7.6
12ft	31.6 9.1

Wide flood 58° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	705 2.2
4ft	176 4.4
6ft	78.4 6.6
8ft	44.1 8.8
10ft	28.2 11.0
12ft	19.6 13.2

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.94	1	1	1.20