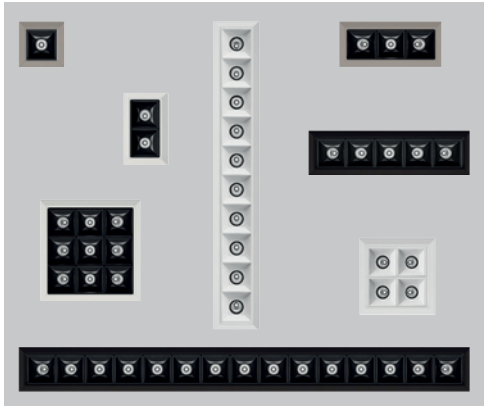
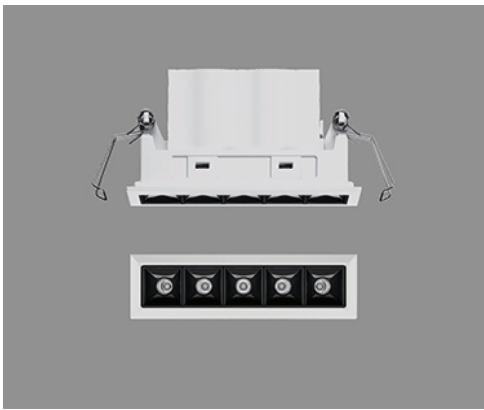




Only 28 mm wide, Laser blade XS is an ultracompact architectural downlight, perfect for retail and hospitality environments. The light is aimed and maximised by a micro optical assembly that uses our patented Opti Beam technology. The light source is also invisible, which guarantees excellent visual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

Luminaire characteristics:	Power input: 2W to 30W (fixture wattage) Lumens: 136lm to 2241lm (for 3000K, 90CRI) Luminaire efficacy: Up to 77lm/W
Source:	White LED (LM-80), 2700K: 90CRI, 3000K: 90CRI, 3500K: 90CRI, 4000K: 90CRI.
Lumen maintenance:	90% of initial lumens at 50 000 hours (L90) (LM79).
Optics:	Low luminance Opti Beam technology with medium, flood and wide flood distribution (page 10 to 14).
Material:	Body: Die-cast Zamak (zinc/aluminum alloy) Reflector: Metalized thermoplastic Baffle: Polycarbonate
Mounting:	New construction with housing for insulated ceiling, chicago plenum and airtight applications (page 7).
Electrical:	See remote LED driver options on page 3 to 6.
Finish:	Black, white (RAL9010) and grey (RAL9006) (page 2).
Weight:	ILBXS01: 0.15lb (0.07kg) ILBXS02: 0.24lb (0.11kg) ILBXS03: 0.33lb (0.15kg) ILBXS04: 0.24lb (0.11kg) ILBXS05: 1.06lb (0.48kg) ILBXS09: 0.66lb (0.30kg) ILBXS10: 1.21lb (0.55kg) ILBXS15: 1.94lb (0.88kg)
Warranty:	5 year limited warranty.
Rating:	IP20, IP23 (from under the ceiling).
Certification:	cULus listed for damp location. Interior use only.



Title 24-JA8-2019 high efficiency luminaire.
Airtight luminaire less than 2 cfm leakage @1.57PSI per ASTM E283.

To confirm which versions are certified, please consult the "Appliance Advanced Search" option at the following adress :
<https://cacertappliances.energy.ca.gov>

Laser Blade XS

DOWNLIGHT REMOTE AIRTIGHT - TITLE 24 - JA8

Type:

Project:

SPECIFICATION SHEET

Page: 2 of 14

ORDERING INFO

ILBXS **AT -** **- REM -**
FIXTURE

BI - LBXS **- AT**
MOUNTING



MODEL

- | | | | |
|---|---|---|---|
| ☐ 01 - Single | ☐ 02 - Double | ☐ 03 - Triple | ☐ 04 - Four, square |
| ☐ 05 - Five | ☐ 09 - Nine, square | ☐ 10 - Ten | ☐ 15 - Fifteen |

MOUNTING

- | | |
|---|---|
| ☐ TR - Trim | ☐ TL - Trimless |
|---|---|

INSTALLATION

- ☒ **AT** - Airtight housing⁽¹⁾

LED

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

OPTIC

- | | | |
|---|--|--|
| ☐ MD - Medium 24° | ☐ FL - Flood 41° | ☐ WF - Wide flood 58° ⁽²⁾ |
|---|--|--|

VOLTAGE

- ☒ **REM** - Remote

FINISH (trim finish / baffle finish)

- | | | | | |
|---|--|---|--|--|
| | White trim | Gray trim | Black trim | Trimless |
| ☒ Black baffle | ☐ 01 - White / black | ☐ 10 - Gray / black | ☐ 02 - Black / black | ☐ 02 - Black |
| ☒ White baffle | ☐ 31 - White / white | | | ☐ 31 - White |

⁽¹⁾ Airtight luminaire less than 2 cfm leakage @1.57PSI per ASTM E283.

⁽²⁾ Available for double (**02**), triple (**03**), four (**04**), five (**05**), nine (**09**), ten (**10**) or fifteen (**15**) models.

REMOTE LED DRIVER OPTIONS
(TO BE ORDERED SEPARATELY)

For LBXS01 • 2W* • 700mA



Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
6-8	20	120-277V	Lutron Hi Lume® 0.1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±0.1%	6" x 4" x 4" (152 x 102 x 102mm)	30ft (9m)	4444-0700-020-UNV-D2 ☐
1-8	20	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-020-UNV-ED10 ☐
1-12	30	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-030-UNV-SD10 ☐
1-15	38	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 102mm)	118ft (36m)	4450-0700-038-UNV-SD10 ☐

For LBXS02 • 4W* • 700mA



Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
4	20	120-277V	Lutron Hi Lume® 0.1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±0.1%	6" x 4" x 4" (152 x 102 x 102mm)	30ft (9m)	4444-0700-020-UNV-D2 ☐
1-4	20	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-020-UNV-ED10 ☐
1-6	30	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-030-UNV-SD10 ☐
1-8	38	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 102mm)	118ft (36m)	4450-0700-038-UNV-SD10 ☐

* 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 LBXS03 • 6W* • 700mA



Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
2	20	120-277V	Lutron Hi Lume® 0.1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±0.1%	6" x 4" x 4" (152 x 102 x 102mm)	30ft (9m)	4444-0700-020-UNV-D2 ☐
1-2	20	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-020-UNV-ED10 ☐
1-4	30	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-030-UNV-SD10 ☐
1-5	38	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 102mm)	118ft (36m)	4450-0700-038-UNV-SD10 ☐

For LBXS04 • 8W* • 700mA



Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1-2	20	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-020-UNV-ED10 ☐
2	25	120-277V	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±1%	5" x 4" x 3" (127 x 102 x 76mm)	30ft (9m)	4443-0700-025-UNV-D2 ☐
1-3	30	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-030-UNV-SD10 ☐
1-4	38	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 102mm)	118ft (36m)	4450-0700-038-UNV-SD10 ☐

* 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 LBXS05 • 10W* • 700mA



Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1	20	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-020-UNV-ED10 ☐
2	25	120-277V	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±1%	5" x 4" x 3" (127 x 102 x 76mm)	30ft (9m)	4443-0700-025-UNV-D2 ☐
1-2	30	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-030-UNV-SD10 ☐
1-3	38	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 102mm)	118ft (36m)	4450-0700-038-UNV-SD10 ☐



For LBXS09 • 16W* • 600mA

Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1	20	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-020-UNV-ED10 ☐
1	22	120-277V	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±1%	5" x 4" x 3" (127 x 102 x 76mm)	30ft (9m)	4443-0700-022-UNV-D2 ☐
1	30	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-030-UNV-SD10 ☐

* 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 LBXS10 • 19W* • 700mA



Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1	20	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-020-UNV-ED10 ☐
1	25	120-277V	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±1%	5" x 4" x 3" (127 x 102 x 76mm)	30ft (9m)	4443-0700-025-UNV-D2 ☐
1	30	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-030-UNV-SD10 ☐

For LBXS15 • 29W* • 700mA



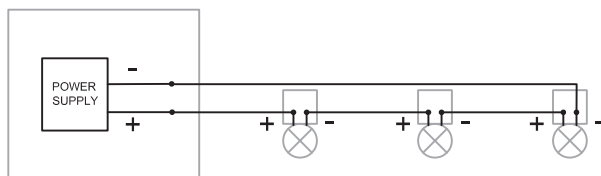
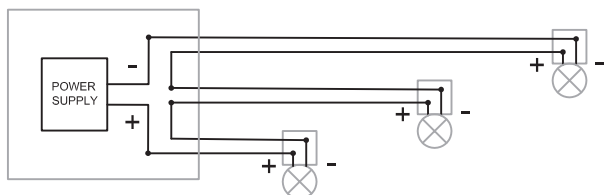
Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1	35	120-277V	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±1%	5" x 4" x 3" (127 x 102 x 76mm)	30ft (9m)	4443-0700-035-UNV-D2 ☐
1	38	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-038-UNV-SD10 ☐

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

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

WIRING DIAGRAMS

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

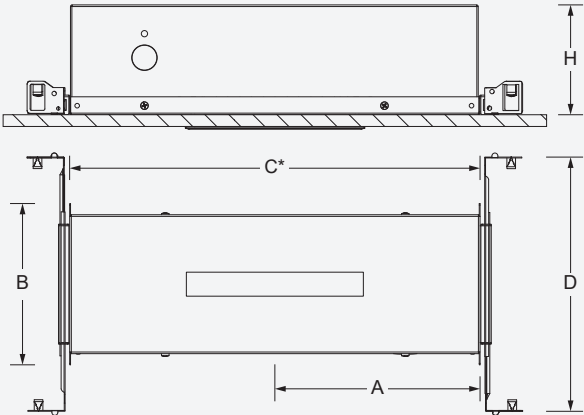


INSTALLATION OPTION

New construction with airtight (AT) housing.

Housing with hanger bars system for new construction installations.
Suitable for insulated ceiling ,chicago plenum and airtight applica-
tions. Housing can be shipped separately.

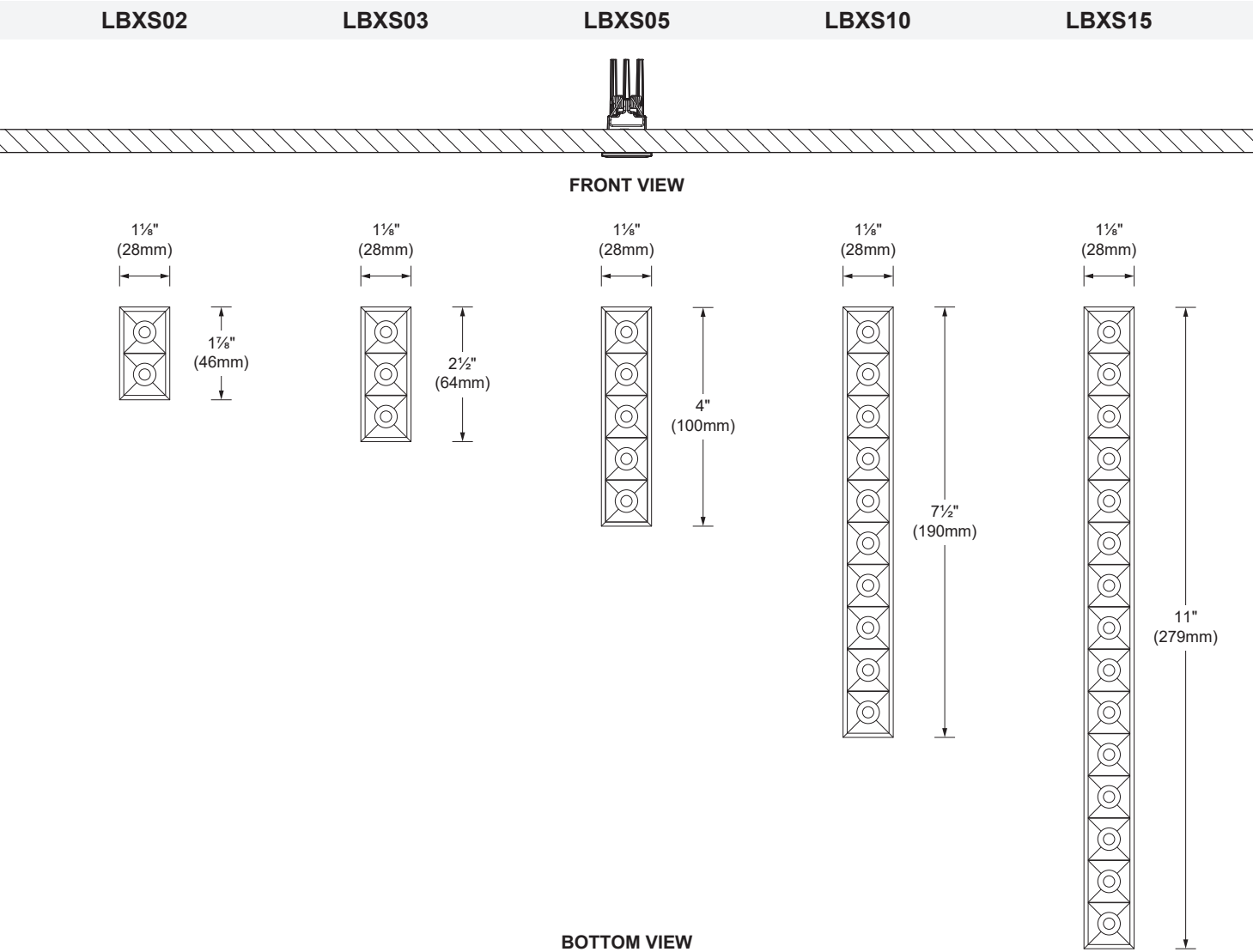
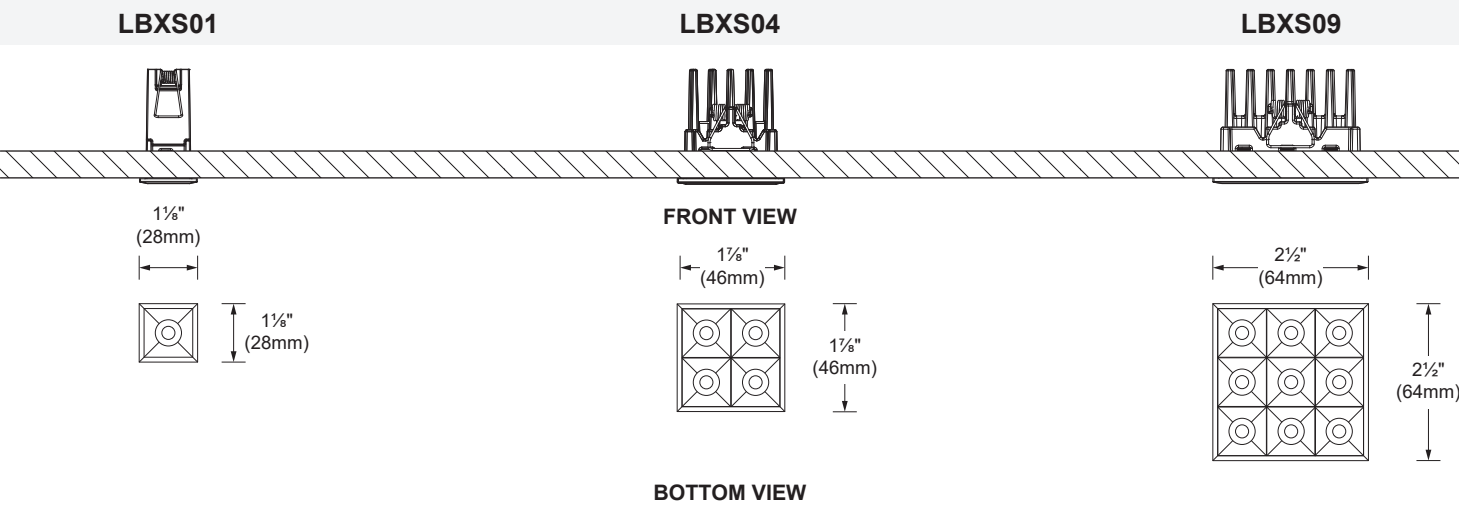
Ceiling thickness:
Trim: 1/8" to 1 1/8" (3mm - 29mm)
Trimless: 5/8" (16mm)



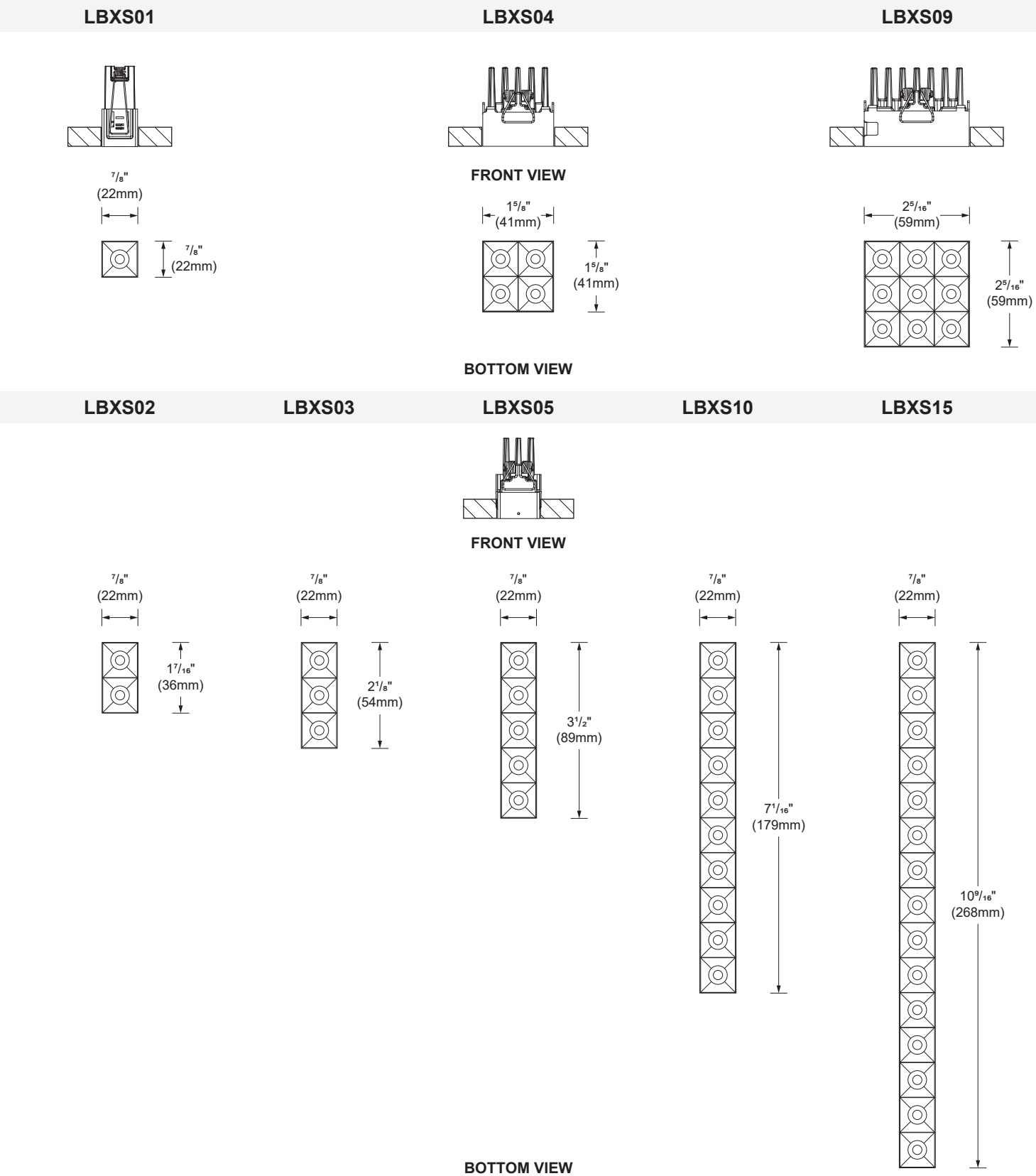
*Provide a minimum of 1 1/8" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
LBXS01	BI-LBXS01TR-AT	1" x 1" (24 x 24mm)	2½" (64mm)	5¾" x 6" (145mm x 152mm)	9" to 15¼" (229 to 387mm)	3¼" (80mm)
	BI-LBXS01TL-AT	1⅝" x 1⅝" (29 x 29mm)				
LBXS02	BI-LBXS02TR-AT	1" x 1⅝" (24 x 42mm)				
	BI-LBXS02TL-AT	1⅝" x 1⅝" (29 x 42mm)				
LBXS03	BI-LBXS03TR-AT	1" x 2⅝" (24 x 60mm)	5" (129mm)	5¾" x 10⅝" (145mm x 257mm)	9" to 15¼" (229 to 387mm)	4⅝" (116mm)
	BI-LBXS03TL-AT	1⅝" x 2⅝" (29 x 60mm)				
LBXS04	BI-LBXS04TR-AT	1⅝" x 1⅝" (42 x 42mm)				
	BI-LBXS04TL-AT	1⅝" x 1⅝" (48 x 48mm)				
LBXS05	BI-LBXS05TR-AT	1" x 3¾" (24 x 95mm)	5" (125mm)	9⅜" x 9⅞" (238mm x 253mm)	9" to 15¼" (229 to 387mm)	4⅝" (116mm)
	BI-LBXS05TL-AT	1⅝" x 3¾" (29 x 95mm)				
LBXS09	BI-LBXS09TR- AT	2⅝" x 2⅝" (60 x 60mm)				
	BI-LBXS09TL-AT	2⅝" x 2⅝" (67 x 67mm)				
LBXS10	BI-LBXS10TR-AT	1" x 7⅜" (24 x 186mm)	8⅝" (213mm)	6¾" x 17" (171mm x 434mm)	14½" to 26" (362 to 660mm)	6" (150mm)
	BI-LBXS10TL-AT	1⅝" x 7¼" (29 x 184mm)				
LBXS15	BI-LBXS15TR-AT	1" x 10⅞" (24 x 276mm)	10" (250mm)	13⅞" x 19¾" (353mm x 502mm)	14½" to 26" (362 to 660mm)	6" (150mm)
	BI-LBXS15TL-AT	1⅝" x 10¾" (29 x 274mm)				

TRIM MODELS DIMENSIONS



TRIMLESS MODELS DIMENSIONS



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

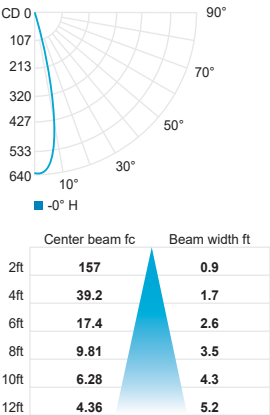
ILBXS01



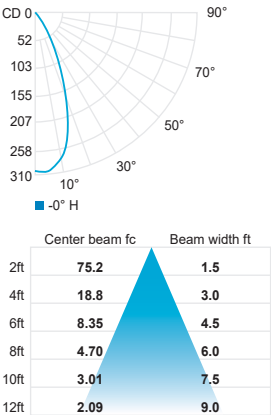
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	2W	Medium 24°	136	68	632	ILBXS01-930-MD
			Flood 41°	144	72	302	ILBXS01-930-FL

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)



Flood 41° (3000K, 90CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.95	1	1	1.23

PHOTOMETRIC DATA

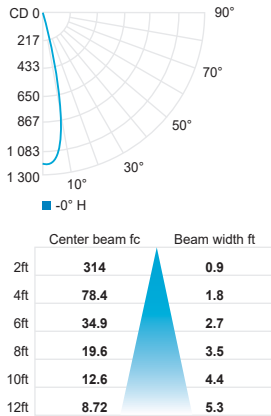
ILBXS02



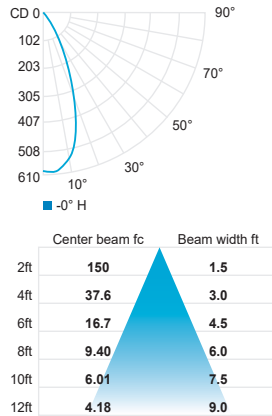
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	3.9W	Medium 24°	273	70	1 265	ILBXS02-930-MD
			Flood 41°	288	73	605	ILBXS02-930-FL
			Wide flood 58°	298	76	380	ILBXS02-930-WF

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.

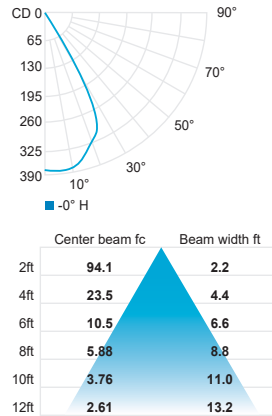
Medium 24° (3000K, 90CRI)



Flood 41° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.95	1	1	1.22

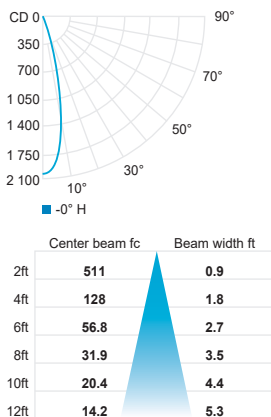
ILBXS03



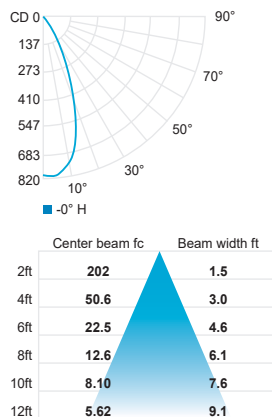
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	6W	Medium 24°	442	73	2 044	ILBXS03-930-MD
			Flood 41°	464	77	954	ILBXS03-930-FL
			Wide flood 58°	464	77	592	ILBXS03-930-WF

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.

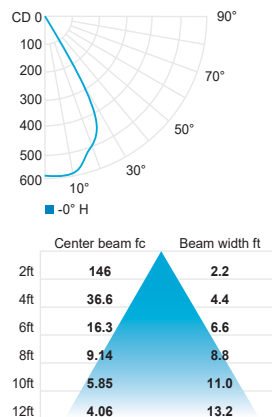
Medium 24° (3000K, 90CRI)



Flood 41° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.95	1	1	1.20

PHOTOMETRIC DATA

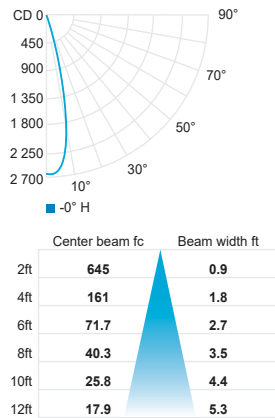
ILBXS04



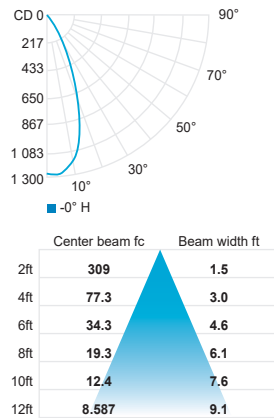
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	7.9W	Medium 24°	562	71	2 601	ILBXS04-930-MD
			Flood 41°	592	74	1 244	ILBXS04-930-FL
			Wide flood 58°	614	77	782	ILBXS04-930-WF

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.

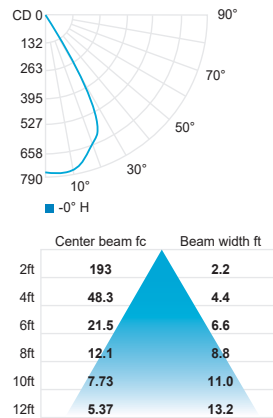
Medium 24° (3000K, 90CRI)



Flood 41° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.95	1	1	1.20

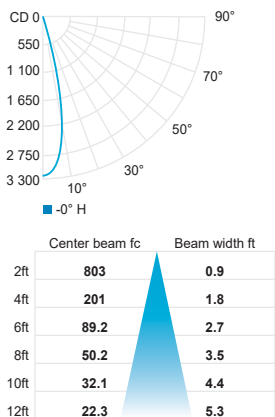
ILBXS05



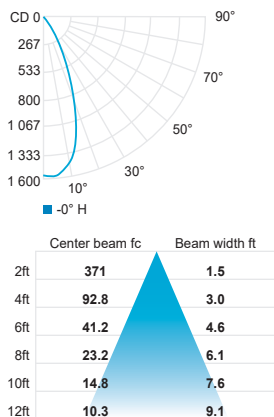
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	9.8W	Medium 24°	695	70	3 212	ILBXS05-930-MD
			Flood 41°	730	74	1 500	ILBXS05-930-FL
			Wide flood 58°	730	74	930	ILBXS05-930-WF

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.

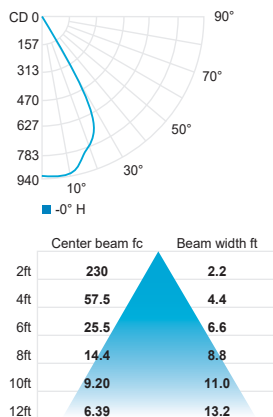
Medium 24° (3000K, 90CRI)



Flood 41° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



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

PHOTOMETRIC DATA

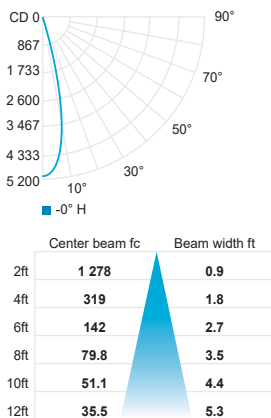
ILBXS09



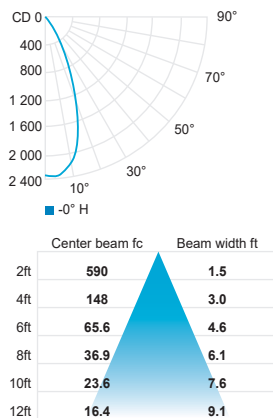
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	15W	Medium 24°	1 106	73	5 100	ILBXS09-930-MD
			Flood 41°	1 162	77	2 387	ILBXS09-930-FL
			Wide flood 58°	1 161	77	1 481	ILBXS09-930-WF

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.

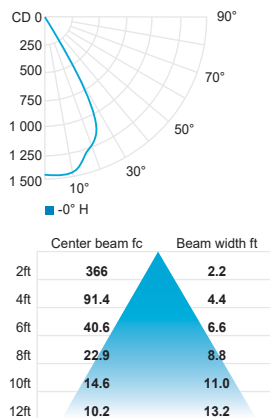
Medium 24° (3000K, 90CRI)



Flood 41° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.96	1	1	1.22

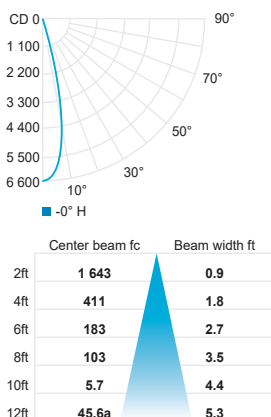
ILBXS10



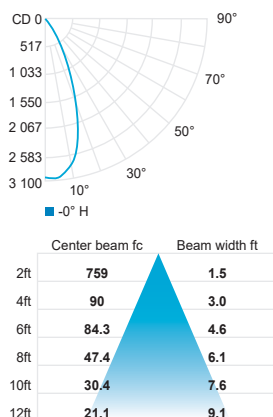
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	20W	Medium 24°	1 422	71	6 570	ILBXS10-930-MD
			Flood 41°	1 494	74	3 068	ILBXS10-930-FL
			Wide flood 58°	1 494	74	1 904	ILBXS10-930-WF

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.

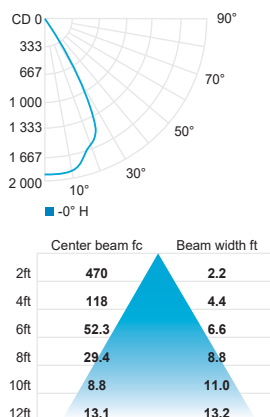
Medium 24° (3000K, 90CRI)



Flood 41° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



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

PHOTOMETRIC DATA

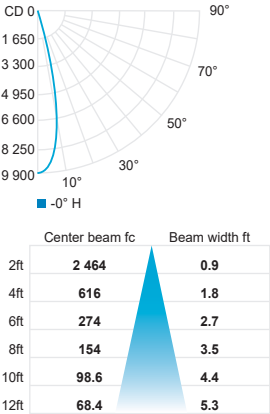
ILBXS15



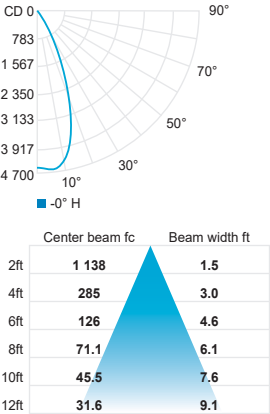
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	30W	Medium 24°	2 133	71	9 855	ILBXS15-930-MD
			Flood 41°	2 241	74	4 603	ILBXS15-930-FL
			Wide flood 58°	2 241	74	2 856	ILBXS15-930-WF

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.

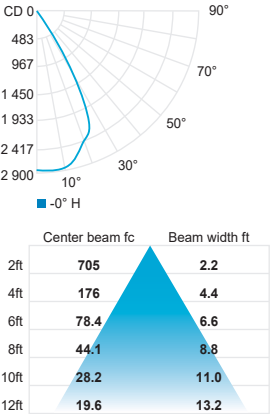
Medium 24° (3000K, 90CRI)



Flood 41° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



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