

LASER BLADE

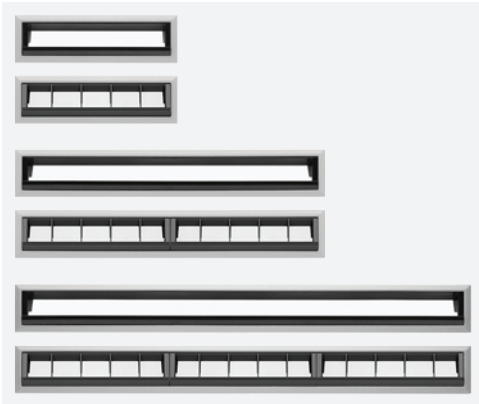
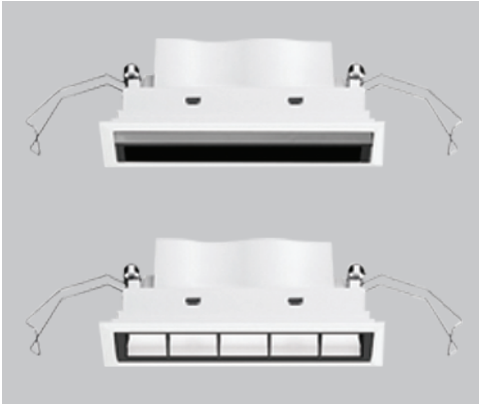
WALL WASHER - NEW CONSTRUCTION WITH HOUSING - INTEGRAL

Type:

Project :

SPECIFICATION SHEET

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Laser blade offers miniaturized dimensions with high performance acrylic diffuser integrated in a polycarbonate baffle for maximized visual comfort and a die-cast aluminum heat sink. The special configuration of this optical system delivers an asymmetrical wall washing distribution.

NOW ASSEMBLED IN NORTH AMERICA.

Luminaire characteristic:

Power input: 12.6W to 36.6W (system wattage)
Lumens: 336lm to 1260lm (for 3000K, 92CRI)
Luminaire efficacy: up to 34lm/W

Source:

White LED module (LM-80)
2700K: 92CRI (90CRI min),
3000K: 92CRI (90CRI min),
3500K: 92CRI (90CRI min),
4000K: 92CRI (90CRI min).

Lumen maintenance:

90% of initial lumens at 50 000 hours (L90) (LM-79).

Optics:

Asymmetric wall washer and wall washer LGC (longitudinal glare control).

Material:

Body and heat sink: Die-cast aluminum
Reflector: Aluminum
Baffle: Polycarbonate
Diffuser: PMMA diffuser with ribbed texture
Housing: Galvanized steel

Mounting:

New construction housing or chicago plenum rated housing, both suitable for insulated ceiling.

Electrical:

High efficiency LED driver ratings:
ILB05: 50 000 hours with insulation
ILB10: 48 000 hours with insulation
85 000 hours without insulation
ILB15: 38 000 hours with insulation
76 000 hours without insulation

Dimming:

0-10V dimming (120-277V) or leading edge (TRIAC) and trailing edge (ELV) dimming (120V only). Both options down to $\pm 15\%$ dimming range.

Finish:

Black, white (RAL9010) and grey (RAL9006).

Weight:

ILB05: 0.77lbs (0.35kg)
ILB10: 1.43lbs (0.65kg)
ILB15: 1.92lbs (0.87kg)

Warranty:

5 year limited warranty.

Ratings:

IP20, IP43 (from under the ceiling)

Certification:



cULus listed for damp location. Interior use only.

Assembled in North America.

ORDERING INFO

ILB - - - - -
FIXTURE

BI - LB -
HOUSING

MODEL

☐ **05** - Five

☐ **10** - Ten

☐ **15** - Fifteen

MOUNTING

☐ **TR** - Trim

☐ **TL** - Trimless

INSTALLATION TYPE

☐ **IC** - insulated ceiling

☐ **CP** - Chicago plenum

LED

☐ **027** - 2700K, 92CRI⁽¹⁾
☐ **030** - 3000K, 92CRI⁽¹⁾
☐ **035** - 3500K, 92CRI⁽¹⁾
☐ **040** - 4000K, 92CRI⁽¹⁾

OPTIC

☐ **WW** - Wall washer

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

VOLTAGE

☐ **120** - 120V

☐ **UNV** - 120-277V

FINISH (trim finish / baffle finish)

 **Black baffle**

White trim

☐ **01** - White/Black

Gray trim

☐ **10** - Gray/Black

Black trim

☐ **02** - Black/Black

Trimless

☐ **02** - Black

DIMMING*

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

⁽¹⁾ 92CRI typical - 90CRI minimum.

⁽²⁾ Available with 120-277V (**UNV**) voltage.

*15% dimming options: For 0-10V and leading and trailing edge (D10 and LTE), the dimming levels will vary depending on the dimmer used and the number of luminaires on the line.

ACCESSORIES (TO BE ORDERED SEPARATELY)

Available only for trim mounting.

Anti-glare screen

☐ **I.MXP7-02** - For laser blade 05

☐ **I.MXP8-02** - For laser blade 10

☐ **I.MXP9-02** - For laser blade 15


INSTALLATION OPTIONS

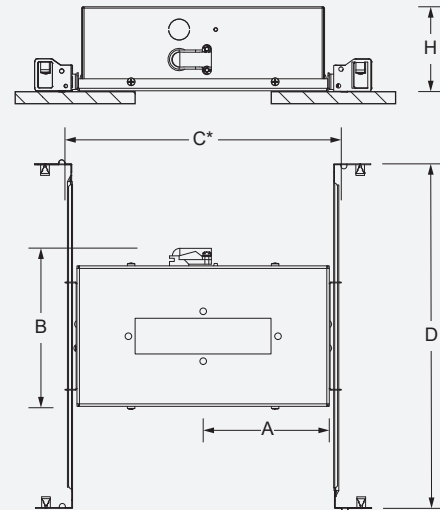
New construction with housing suitable for insulated ceiling (IC) or chicago plenum (CP)

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

Ceiling thickness:

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

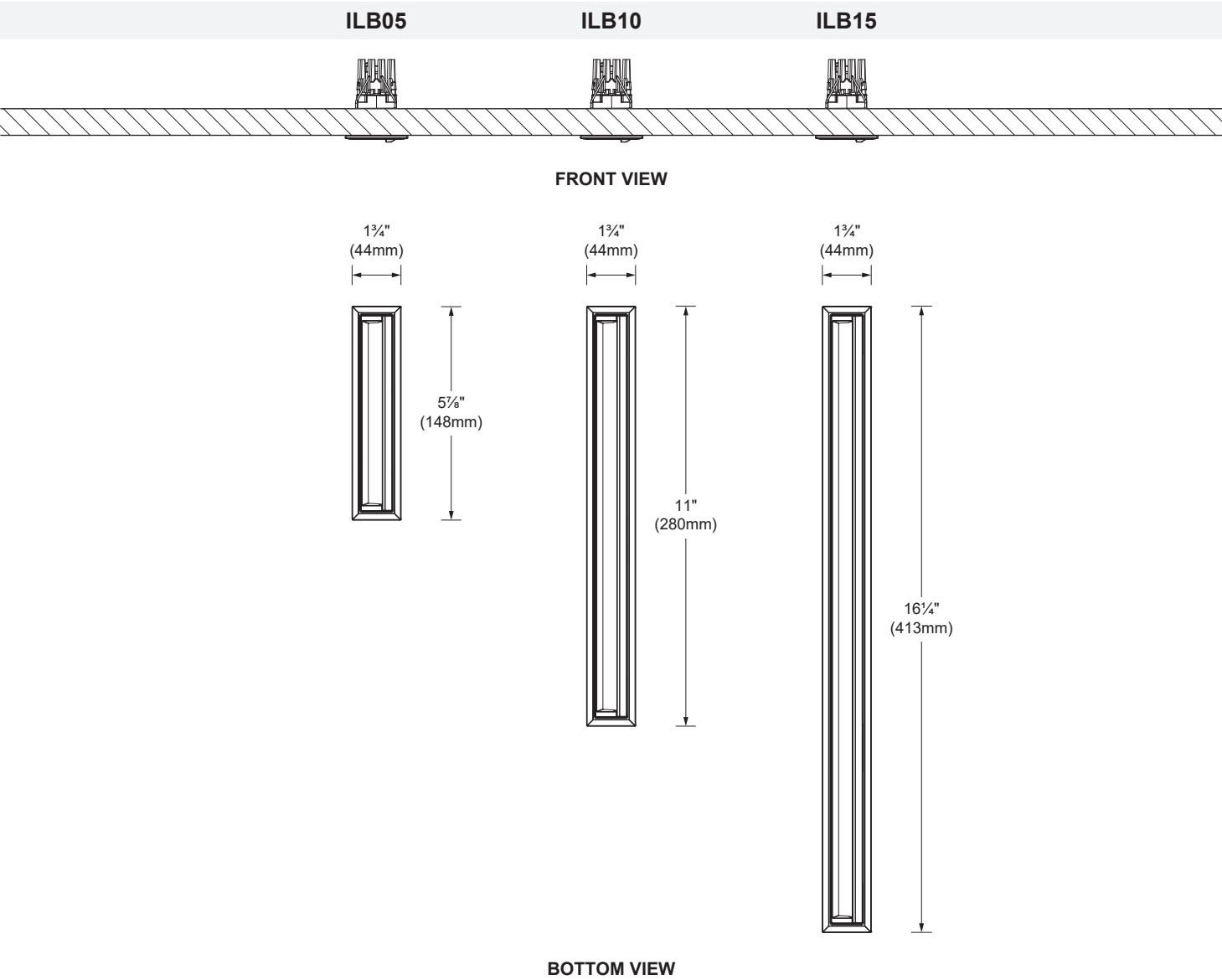
Trimless: 3/8" (16mm)



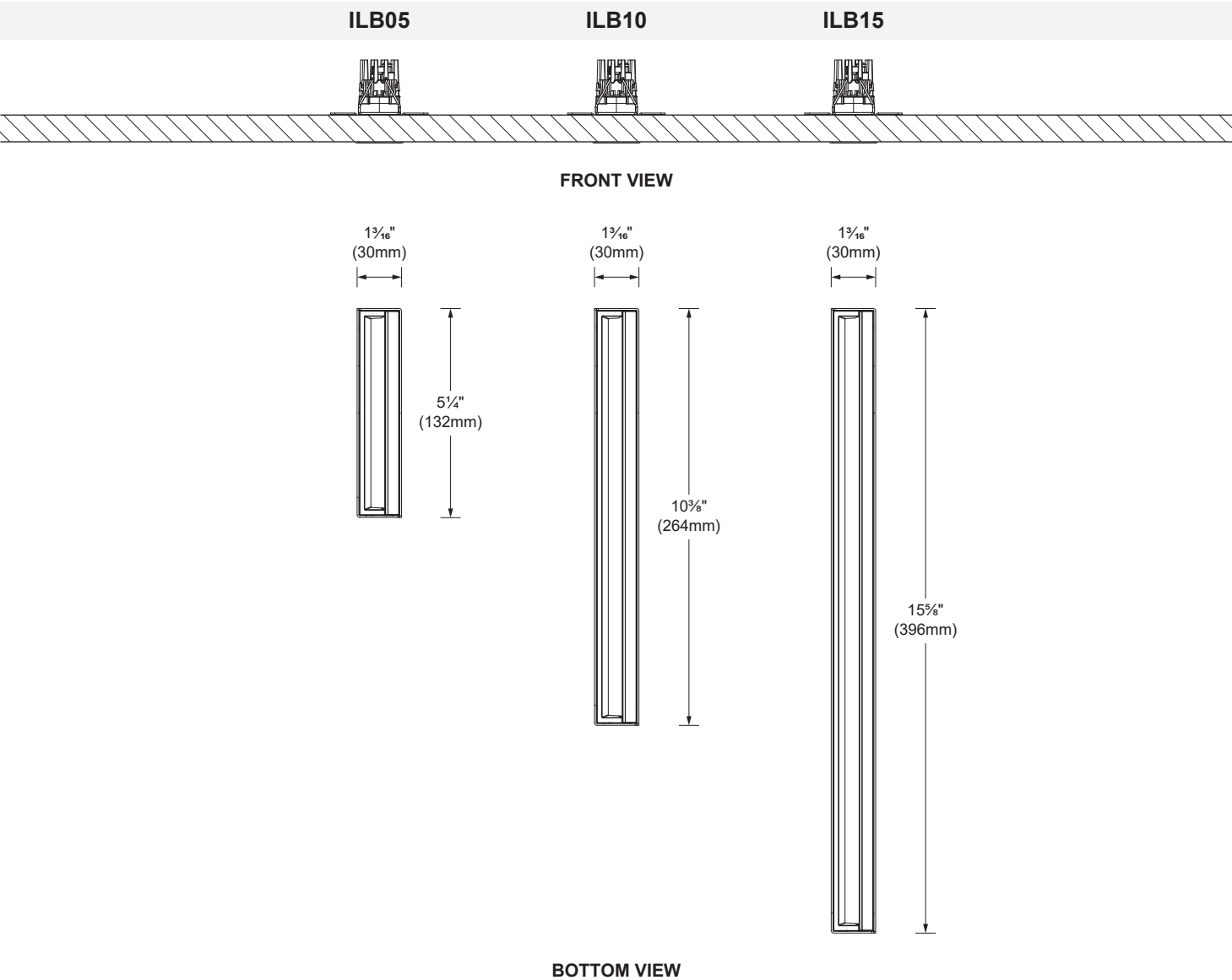
*Provide a minimum of 1 1/8" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
ILB05	BI-LB05TR-IC/CP	1½" x 5⅝" (37 x 141mm)	5¼" (133mm)	6⅞" x 11½" (167mm x 292mm)	14¼" to 26" (362 to 660mm)	3½" (89mm)
	BI-LB05TL-IC/CP	1⅜" x 5⅝" (35 x 141mm)				
ILB10	BI-LB10TR-IC/CP	1½" x 10⅞" (37 x 274mm)	8⅞" (223mm)	6½" x 21⅝" (166mm x 540mm)		
	BI-LB10TL-IC/CP	1⅜" x 10¾" (35 x 271mm)				
ILB15	BI-LB15TR-IC/CP	1½" x 16" (37 x 406mm)	13⅜" (332mm)	9¼" x 28⅞" (238mm x 716mm)		
	BI-LB15TL-IC/CP	1⅜" x 15⅝" (35 x 404mm)				

TRIM MODELS DIMENSIONS



TRIMLESS MODELS DIMENSIONS

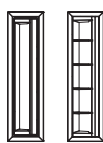


LED COLOR FIDELITY DATA

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
92	2700K	92	96	98	91	91	95	91	79	55	89	92	86	93	98	88	91	100	0.488
	3000K	93	97	98	92	93	95	92	82	60	91	92	82	94	99	90	92	99	0.571
	3500K	92	95	96	92	91	93	93	83	59	87	92	79	93	97	89	92	99	0.635
	4000K	93	94	94	93	92	91	94	86	64	85	93	78	93	96	90	91	100	0.715

PHOTOMETRIC DATA

ILB05

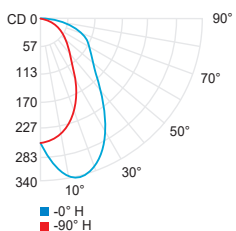


WW WL

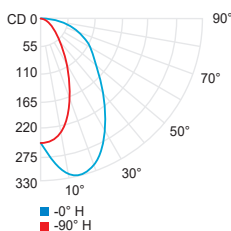
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	12.6W	Wall washer	420	33	338	ILB05-030-WW
			Wall washer LGC (longitudinal glare control)	336	26	325	ILB05-030-WL

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.

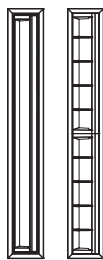
Wall washer (3000K, 92CRI)



Wall washer LGC (3000K, 92CRI)



ILB10

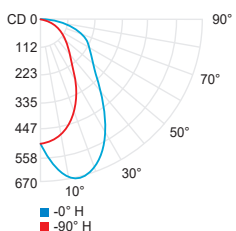


WW WL

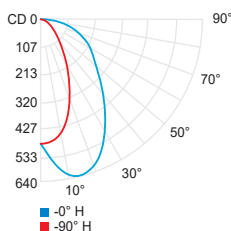
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	24.7W	Wall washer	820	33	661	ILB10-030-WW
			Wall washer LGC (longitudinal glare control)	656	26	636	ILB10-030-WL

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.

Wall washer (3000K, 92CRI)



Wall washer LGC (3000K, 92CRI)



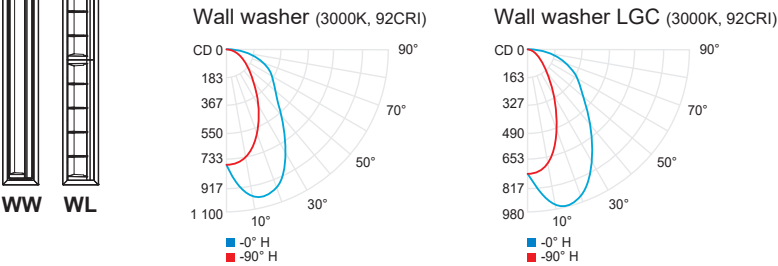
CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	0.95	1	1.05	1.10

PHOTOMETRIC DATA

ILB15

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	36.6W	Wall washer	1 260	34	1 017	ILB15-030-WW
			Wall washer LGC (longitudinal glare control)	1 008	27	977	ILB15-030-WL

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	92CRI	92CRI	92CRI	92CRI
Multiplier	0.95	1	1.05	1.10