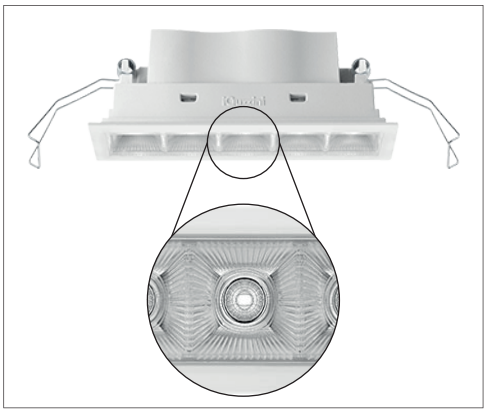

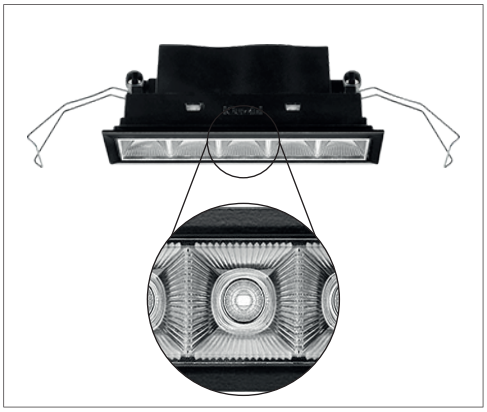

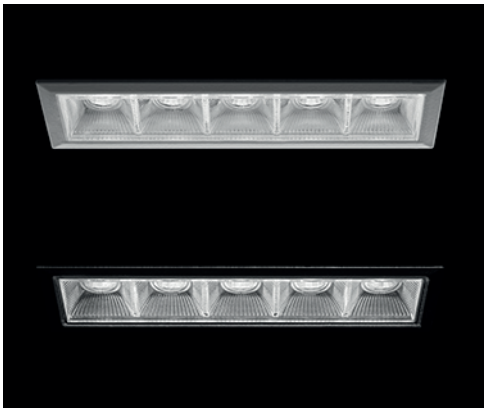

Laser blade is a collection of recessed downlights for architectural applications. Laser Blade optics have evolved through the adoption of Opti Diamond technology, the outcome of a detailed study into materials, engineering and processes that optimise the catadioptric principle, with the result of extraordinary brilliance just like a diamond. Laser blade space is available in 3 aperture size, trim or trimless with generous outputs of up to 2646 lumens and excellent chromatic performance .

NOW ASSEMBLED IN NORTH AMERICA.

Luminaire characteristic:	**Power input:** 12.6W to 36.6W (system wattage) **Lumens:** 882lm to 2646lm (for 3000K, 92CRI) **Luminaire efficacy:** up to 72lm/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:	Wide flood optic with Opti Diamond technology.
Material:	Body and heat sink: Die-cast aluminum Reflector and baffle: Thermoplastic 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 (TRIAC) and trailing edge (ELV) dimming (120V only). Both options down to ±15% dimming range.
Finish:	Black or white (RAL9010) body with transparent baffle (page 2).
Weight:	ILB05: 0.66lbs (0.30kg) ILB10: 1.32lbs (0.60kg) ILB15: 1.90lbs (0.86kg)
Warranty:	5 year limited warranty.
Ratings:	IP20, IP23 (from under the ceiling)
Certification:	cULus listed for damp location. Interior use only. **Assembled in North America.**

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ORDERING INFO

ILB - - - - WF - - - FIXTURE

BI - LB - - HOUSING

RESET INFO

MODEL

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

MOUNTING

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

INSTALLATION TYPE

- ☐ **IC -** New construction insulated ceiling
- ☐ **CP -** New construction chicago plenum

LED

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

OPTIC

- ■ **WF -** Wide flood 47°

VOLTAGE

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

FINISH (trim finish / baffle finish)

- ☐ **D8 -** White / transparent
- ☐ **83 -** Black / transparent

Trimless

- ☐ **24 -** Transparent

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

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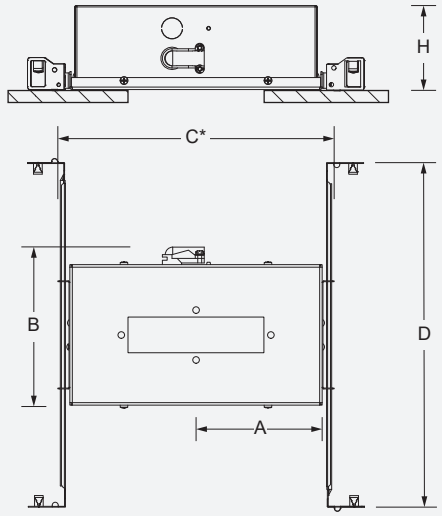
INSTALLATION OPTIONS

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: ⅛" - 1⅛" (3mm - 29mm)
Trimless: ⅝" (16mm)



*Provide a minimum of 1⅞" (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 5⁹⁄₁₆" (37 x 141mm)	5¼" (133mm)	6⁹⁄₁₆" x 11½" (167mm x 292mm)	14¼" to 26" (362 to 660mm)	3½" (89mm)
	BI-LB05TL-IC/CP	1⅜" x 5⁹⁄₁₆" (35 x 141mm)				
ILB10	BI-LB10TR-IC/CP	1½" x 10¹³⁄₁₆" (37 x 274mm)	8⅞" (223mm)	6½" x 21⁵⁄₁₆" (166mm x 540mm)		
	BI-LB10TL-IC/CP	1⅜" x 10¾" (35 x 271mm)				
ILB15	BI-LB15TR-IC/CP	1½" x 16" (37 x 406mm)	13⅛" (332mm)	9¼" x 28³⁄₁₆" (238mm x 716mm)		
	BI-LB15TL-IC/CP	1⅜" x 15¹⁵⁄₁₆" (35 x 404mm)				

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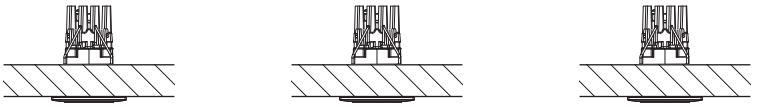
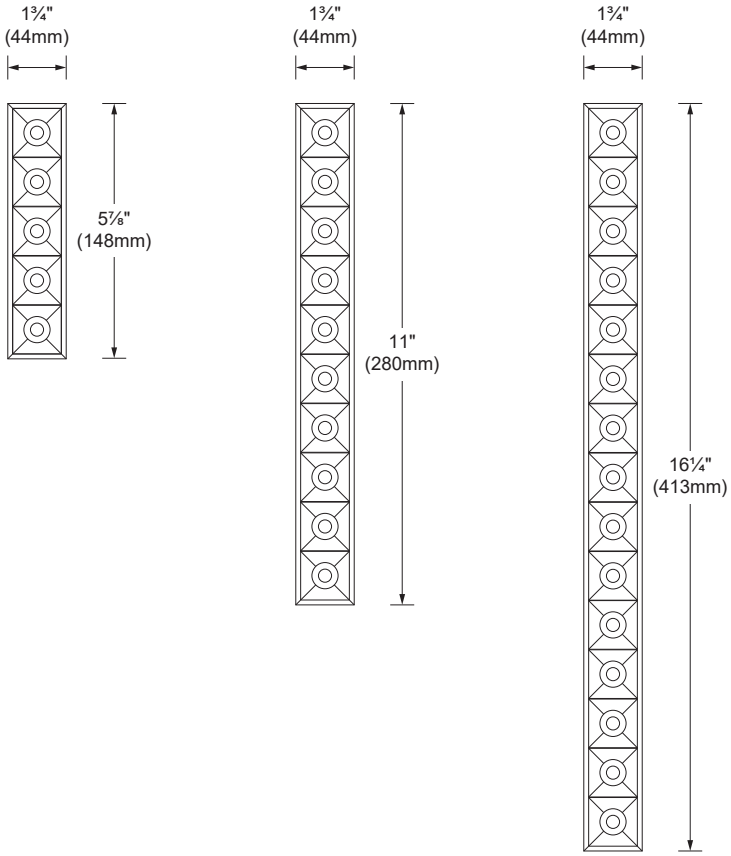
TRIM MODELS DIMENSIONS

ILB05	ILB10	ILB15



FRONT VIEW



BOTTOM VIEW

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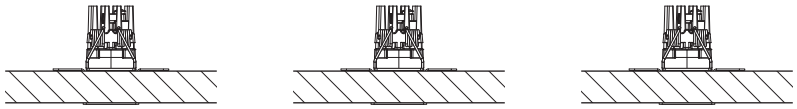
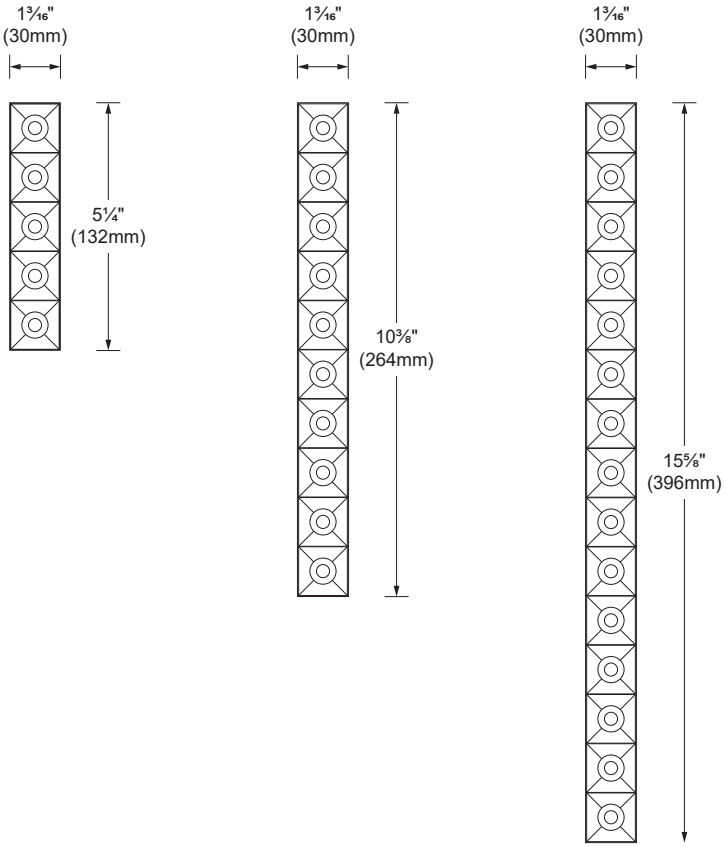
TRIMLESS MODELS DIMENSIONS

ILB05	ILB10	ILB15



FRONT VIEW



BOTTOM VIEW

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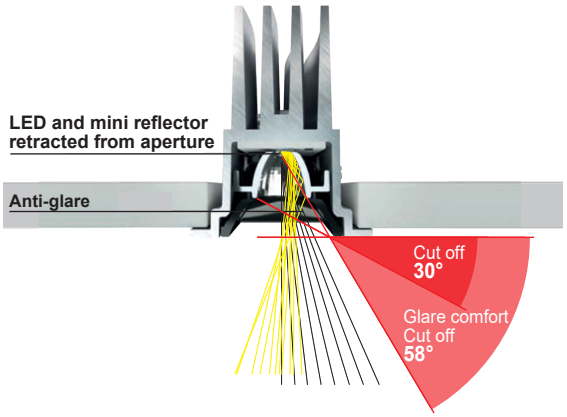


Visual comfort UGR < 16.

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

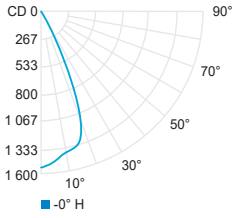
PHOTOMETRIC DATA

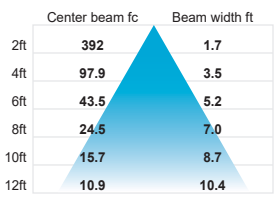
ILB05

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	92	12.6W	Wide flood 47°	882	70	1 572	ILB05-030-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.

Wide flood 47° (3000K, 92CRI)





CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	**0.95**	**1**	**1.05**	**1.1**

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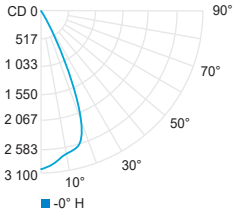
PHOTOMETRIC DATA

ILB10

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	92	24.7W	Wide flood 47°	1 722	69	3 069	ILB10-030-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.

Wide flood 47° (3000K, 92CRI)



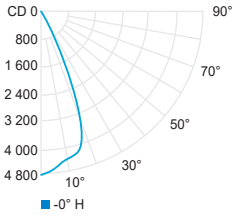
	Center beam fc	Beam width ft
2ft	765	1.7
4ft	191	3.5
6ft	85.0	5.2
8ft	47.8	6.9
10ft	30.6	8.6
12ft	21.2	10.4

ILB15

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	92	36.6W	Wide flood 47°	2 646	72	4 716	ILB15-030-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.

Wide flood 47° (3000K, 92CRI)



	Center beam fc	Beam width ft
2ft	1 231	1.7
4ft	308	3.5
6ft	137	5.2
8ft	76.9	6.9
10ft	49.2	8.6
12ft	34.2	10.4

CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	**0.95**	**1**	**1.05**	**1.1**

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