LASER BLADE 1 CELL
Downlight Integral

Project: _____

Type: _____

OPTIC OPTIONS

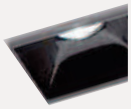


FL.

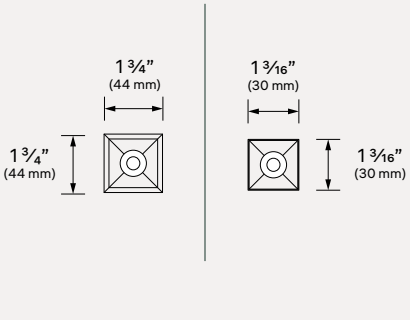
TRIM



TRIMLESS



TRIM



TRIMLESS

BOTTOM VIEW

Built around the concept of the invisible source, Laser Blade has evolved into a complete architectural lighting family with expanded optics, enhanced performance and excellent chromatic rendering. Available in five sizes and multiple integration options, it delivers exceptional visual comfort across hospitality, workplace, retail and residential applications.

FEATURES

- No dimming applicable
- Tool-free installation
- Full specification available *page 3*

IP 20 | cULus | CE Equivalent Available | 5-Year Limited Warranty | CCEA

FINISH OPTIONS *

Trim



Trimless



* Consult factory for custom finishes

OPTIC OPTIONS



Flood 32°
(FL)

MODEL	AVAILABLE OPTIC	SYSTEM POWER (W) *	LUMENS (LM)	EFFICACY (IM/W)	MAX CANDELA (CD)
ILB01	Flood 32°	3.0	204	65	697

FAMILY OVERVIEW *

RECESSED



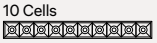
1 Cell 2 Cells



5 Cells



10 Cells



15 Cells



SURFACE



5 Cells



10 Cells



15 Cells



PENDANT



LINEAR



WOOD SLAT CEILING



* Refer to other spec sheets to view additional options

ORDERING INFO

ILB01 -FL-UNV

PRODUCT CODE EXAMPLE: ILB01-TL-IC-030-F-120-01 **INSTALLATION CODE**

ILB01				FL	UNV(2)	
MODEL	**MOUNTING**	**INSTALLATION**	**LED**	**OPTIC**	**VOLTAGE**	**FINISH**
ILB01 01 Cell	**TR** Trim **TL** Trimless Drywall Mud **ML** Trimless Millwork	**IC** New Construction Insulated Ceiling **CP** New Construction Chicago Plenum Housing	**027** [1] 2700K, 92CRI **030** [1] 3000K, 92CRI **035** [1] 3500K, 92CRI **040** [1] 4000K, 92 CRI	**FL** Flood 32°	**UNV**[2] 120-277V	***TRIM*** (Trim/Baffle finish[3]) **01** White / Black **31** White / White **02** Black / Black **10** Gray / Black ***TRIMLESS*** (Baffle finish[3]) **31** White **02** Black

1 92CRI typical - 90CRI minimum **2** No dimming applicable **3** Custom baffle finish available, contact customer service for details.

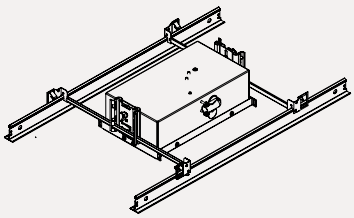
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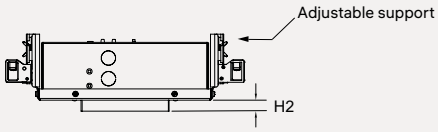
INSTALLATION

NEW CONSTRUCTION WITH HOUSING SUITABLE FOR INSULATED CEILING (IC) OR CHICAGO PLENUM (CP)*

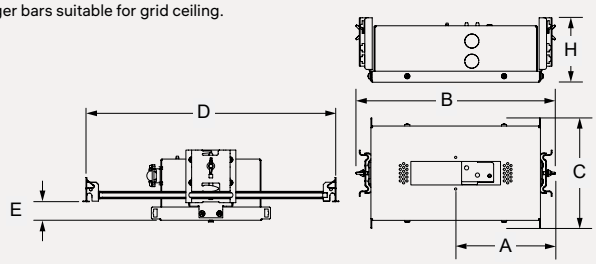
Housing with hanger bars system for new construction installations. Suitable for insulated ceiling or Chicago plenum applications like sheetrock, paneling and grid ceiling. Housing and trim can be shipped separately **(Power supply is not accessible from luminaire opening).**



Hanger bars suitable for grid ceiling.



Ceiling thickness(H2):
Trim: ⅜" to 1 ⅛" (3 mm – 29 mm)
Trimless drywall mud: ⅜" to 1 ⅛" (3 mm - 29 mm).
Trimless millwork: ½" to 1" (13 mm - 25 mm).



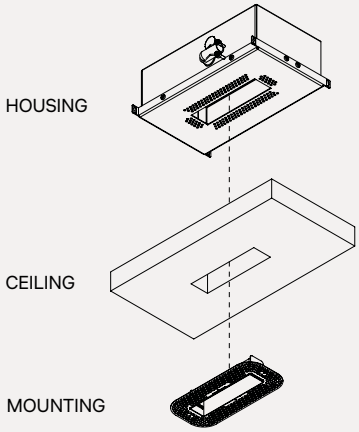
* Provide a minimum of 1 ⅞" (46 mm) on each side for the hanger bar fixations.

MOUNTING	HOUSING	CUT-OUT DIMENSIONS	CUT-OUT POSITIONS (A)[1]	OVERALL DIMENSIONS (BXC)[2]	HANGER BARS RANGE (D)[3,4]	ADJUSTABILITY (E)[5]	CLEARANCE (H)[6]
Trim	BI-LB01TR-IC/CP	1 ⅜" x 1 ⅜" (35 x 35 mm)	4 ⅝" (117 mm)	12 ⅜" x 6 ⅞" (314 x 173 mm)	14 ¼" to 26" (362 to 660 mm)	0" to 4 ⅝" (0 to 118 mm)	4 " (102 mm)
Trimless drywall mud	BI-LB01TL-IC/CP						
Trimless millwork, white	BI-LB01ML-IC/CP-01	1 ¼" x 1 5/16" (32 x 33 mm)					
Trimless millwork, black	BI-LB01ML-IC/CP-02						

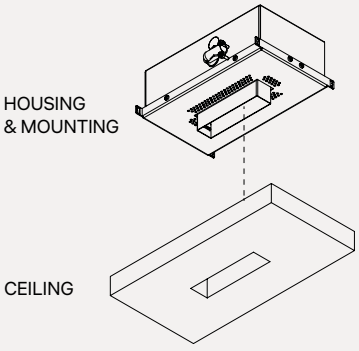
1 Remove 15/16" (24 mm) for flush mount installation (Without adjustable support)
2 Remove 1 13/16" (46 mm) for flush mount installation.
3 Available on special demand : 9" (229 mm) to 15" (381 mm) hanger bar.
4 19" to 26" flush mount.
5 No adjustability for flush mount installation.
6 3 ½" (89 mm) for flush mount installation.

TRIMLESS MOUNTING OPTIONS

TRIMLESS DRYWALL MUD



TRIMLESS MILLWORK



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Project: _____
Type: _____

SPECIFICATIONS

LUMINAIRE CHARACTERISTICS

Source Power: 2W
System Power: 3.1W (source wattage) [1]
Lumens: 65 lm (for 3000K, 92CRI)
Luminaire efficacy: up to 65 lm/W

SOURCE

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

LUMEN MAINTENANCE

90% of initial lumens at 50 000 hours (L90) (LM-80).

OPTICS

Low luminance: Flood 32° **(FL)**

MATERIAL

FL (Optic)
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 **(IC/CP)**.

ELECTRICAL

High efficiency LED driver ratings.

FINISH

Black (RAL9004), white (RAL9010) and gray (RAL9006) on page 1.

WEIGHT

ILB01: 0.11 lbs (0.05 kg)

WARRANTY

5 year limited warranty.

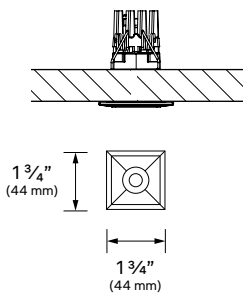
RATINGS

IP20.

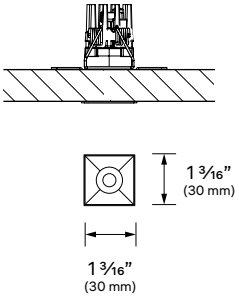
CERTIFICATION

cULus listed for damp location. Interior use only.

TRIM MODEL DIMENSIONS



TRIMLESS MODEL DIMENSIONS

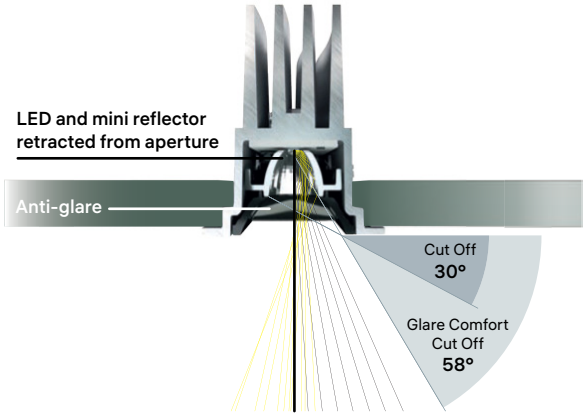


SIDE VIEW

BOTTOM VIEW

VISUAL COMFORT

The innovative micro-reflector, with patented Opti Beam technology, generates pleasant lighting for the eye and the space. Visual comfort UGR < 10.

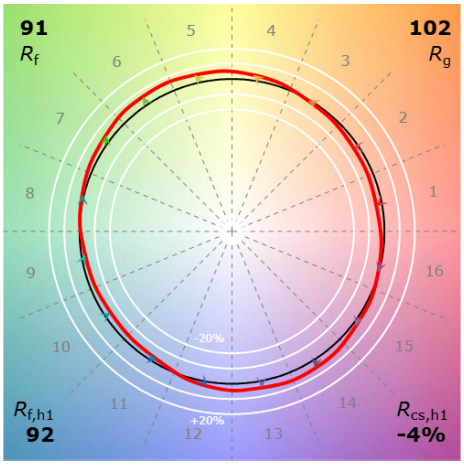


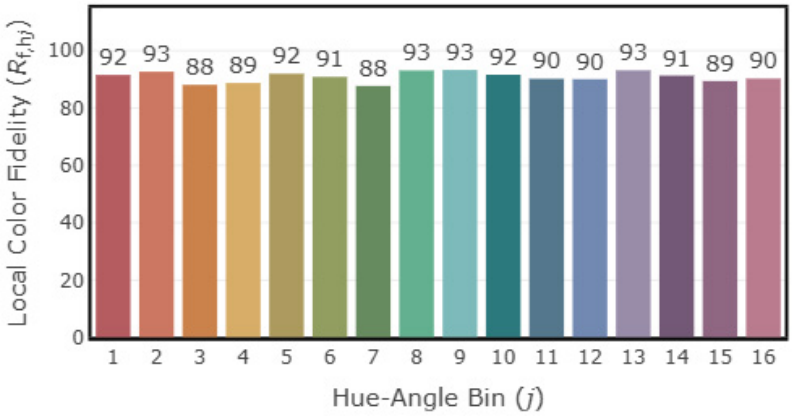
1 Led load requirement for one (1) fixture in watts (remote fixture only).

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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	92	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





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Project: _____
Type: _____

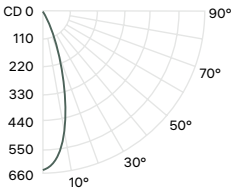
PHOTOMETRIC DATA

ILB01

FL

CCT (K)	CRI	SYSTEM POWER (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3 000	92	3.0	Flood 32°	204	65	697	ILB01-030-FL

Flood 32°
(3000K, 92CRI)



□ -0° H

	Center beam fc	Beam width ft
2ft	165	1.2
4ft	41.2	2.3
6ft	18.3	3.5
8ft	10.3	4.6
10ft	6.59	5.8
12ft	4.57	6.9

CCT Options	2700K	3000K	3500K	4000K
CRI Options	92CRI	92CRI	92CRI	92CRI
Multiplier	**0.91**	**1**	**1.04**	**1.04**

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