

LASER BLADE

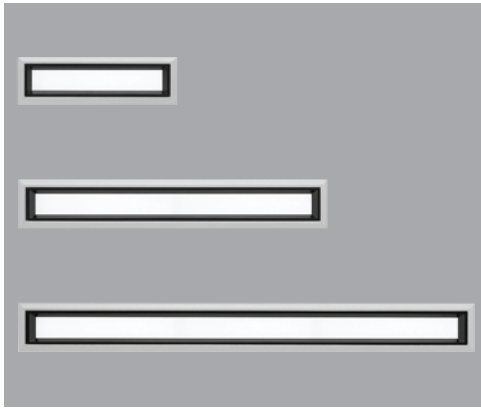
GENERAL LIGHT - NEW CONSTRUCTION WITH HOUSING - INTEGRAL

Type:

SPECIFICATION SHEET

Project :

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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 a uniform distribution for general lighting.

NOW ASSEMBLED IN NORTH AMERICA.

Luminaire characteristic:

Power input: 12.6W to 36.6W (system wattage)
Lumens: 619lm to 1859lm (for 3000K, 92CRI)
Luminaire efficacy: up to 50lm/W

| | |
|---------------------------|--|
| Source: | White LED module (LM-80) 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: | General lighting |
| Material: | Body and heat sink: Die-cast aluminum Diffuser: Frosted PMMA diffuser with linear optic. 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.

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ORDERING INFO



| PRODUCT CODE | | | INSTALLATION CODE | | | | |
|--------------------------|-------------------|--|---|----------------------------|---------------------------|--|--------------------------------------|
| MODEL | MOUNTING | INSTALLATION | LED | OPTIC | VOLTAGE | FINISH (trim finish / baffle finish) | DIMMING |
| ILB05 05 cells | TR Trim | IC New construction insulated ceiling | 030 ¹ 3000K, 92CRI | GL General light | 120 120V | 01 White / black | 120V |
| ILB10 10 cells | | | 035 ¹ 3500K, 92CRI | | UNV 120-277V | | 02 Black / black |
| ILB15 15 cells | | CP New construction Chicago Plenum | 040 ¹ 4000K, 92CRI | | 10 Gray / black | 120-277V (UNV) | D10 0-10V (down to 15%) |
| | | | | | | Black baffle  | |

¹ 92CRI typical - 90CRI minimum.

INSTALLATION

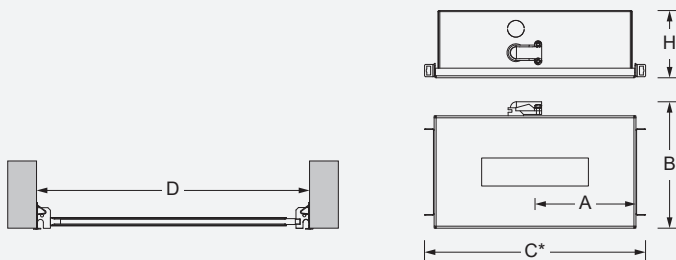
New construction with housing suitable for insulated ceiling (IC) or chicago plenum (CP)

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

Ceiling thickness:

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

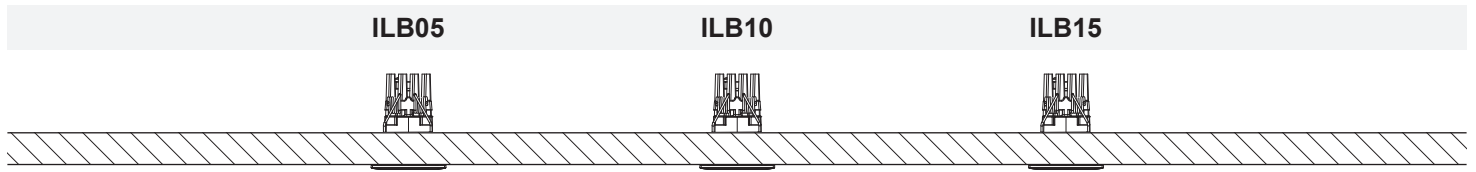
Trimless: 5/8" (16mm)



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

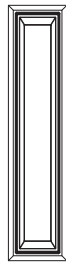
| Model | Housing | Cut-out dimensions | Cut-out positions (A) | Overall dimensions (BxC) | Hanger bars range (D) | Clearance (H) |
|-------|-----------------|---------------------------------|-----------------------|-----------------------------------|----------------------------------|---------------|
| ILB05 | BI-LB05TR-IC/CP | 1 1/2" x 5 9/16" (37 x 141mm) | 5 1/4" (133mm) | 6 1/16" x 11 1/2" (167mm x 292mm) | 14 1/4" to 26" (362 to 660mm) | 3 1/2" (89mm) |
| ILB10 | BI-LB10TR-IC/CP | 1 1/2" x 10 13/16" (37 x 274mm) | 8 5/8" (223mm) | 6 1/2" x 21 5/16" (166mm x 540mm) | | |
| ILB15 | BI-LB15TR-IC/CP | 1 1/2" x 16" (37 x 406mm) | 13 1/8" (332mm) | 9 1/4" x 28 3/16" (238mm x 716mm) | | |

DIMENSIONS



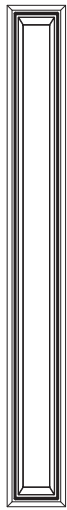
FRONT VIEW

1 3/4"
(44mm)



5 7/8"
(148mm)

1 3/4"
(44mm)



11"
(280mm)

1 3/4"
(44mm)



16 1/4"
(413mm)

BOTTOM VIEW

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 | 3000K | 93 | 97 | 98 | 92 | 93 | 95 | 92 | 82 | 60 | 91 | 92 | 82 | 94 | 99 | 90 | 92 | 99 | 0.571 |
| | 4000K | 93 | 94 | 94 | 93 | 92 | 91 | 94 | 86 | 64 | 85 | 93 | 78 | 93 | 96 | 90 | 91 | 100 | 0.715 |

PHOTOMETRIC DATA

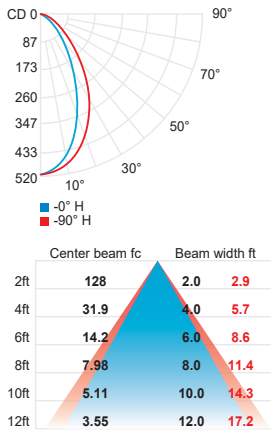
ILB05



| CCT (K) | CRI | LOAD (W) | OPTIC | LUMENS (lm) | EFFICACY (lm / W) | MAX CANDELA (cd) | MODEL |
|---------|-----|----------|---------------|-------------|-------------------|------------------|--------------|
| 3000K | 92 | 12.6W | General light | 620 | 49 | 511 | ILB05-030-GL |

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.

General light (3000K, 92CRI)



| | | | |
|-------------------|----------|-------------|-------------|
| CCT options | 3000K | 3500K | 4000K |
| CRI options | 92CRI | 92CRI | 92CRI |
| Multiplier | 1 | 1.05 | 1.10 |

PHOTOMETRIC DATA

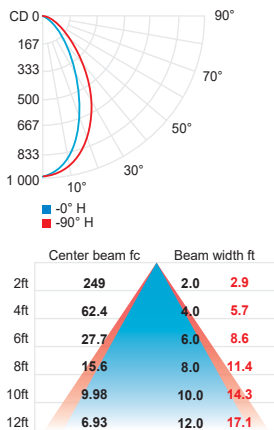
ILB10



| CCT (K) | CRI | LOAD (W) | OPTIC | LUMENS (lm) | EFFICACY (lm / W) | MAX CANDELA (cd) | MODEL |
|---------|-----|----------|---------------|-------------|-------------------|------------------|--------------|
| 3000K | 92 | 24.7W | General light | 1 210 | 48 | 999 | ILB10-030-GL |

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.

General light (3000K, 92CRI)



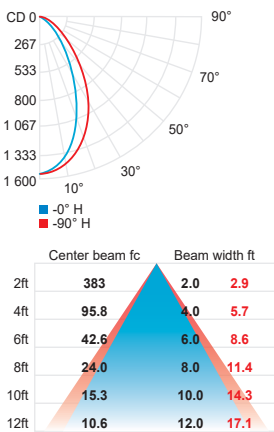
ILB15



| CCT (K) | CRI | LOAD (W) | OPTIC | LUMENS (lm) | EFFICACY (lm / W) | MAX CANDELA (cd) | MODEL |
|---------|-----|----------|---------------|-------------|-------------------|------------------|--------------|
| 3000K | 92 | 36.6W | General light | 1 859 | 50 | 1 536 | ILB15-030-GL |

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.

General light (3000K, 92CRI)



| | | | |
|-------------------|----------|-------------|-------------|
| CCT options | 3000K | 3500K | 4000K |
| CRI options | 92CRI | 92CRI | 92CRI |
| Multiplier | 1 | 1.05 | 1.10 |