

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:** 9.8W to 29W (source wattage)  
**Lumens:** 620lm to 1829lm (for 3000K, 92CRI)  
**Luminaire efficacy:** up to 63lm/W

<b>Source:</b>	White LED module (LM-80) 3000K: 92CRI (90CRI min), 3500K: 92CRI (90CRI min), 4000K: 92CRI (90CRI min).
<b>Lumen maintenance:</b>	90% of initial lumens at 50 000 hours (L90) (LM-79).
<b>Optics:</b>	General lighting
<b>Material:</b>	Body and heat sink: Die-cast aluminum Diffuser: Frosted PMMA diffuser with linear optic. Housing: Galvanized steel
<b>Mounting:</b>	Remodel suitable for insulated ceiling. New construction plaster frame suitable for insulated ceiling. New construction housing suitable for insulated ceiling.
<b>Electrical:</b>	High efficiency LED driver, rated at 50 000 hours. See remote LED driver options on page 3.
<b>Finish:</b>	Black, white (RAL9010) and grey (RAL9006).
<b>Weight:</b>	ILB05: 0.77lbs (0.35kg) ILB10: 1.43lbs (0.65kg) ILB15: 1.92lbs (0.87kg)
<b>Warranty:</b>	5 year limited warranty.
<b>Ratings:</b>	IP20, IP43 (from under the ceiling)
<b>Certification:</b>	cULus listed for damp location. Interior use only.



**Assembled in North America.**

**ORDERING INFO**



PRODUCT CODE			INSTALLATION CODE				
MODEL	MOUNTING	INSTALLATION	LED	OPTIC	VOLTAGE	FINISH (trim finish / baffle finish)	
<b>ILB05</b> 05 cells	<b>TR</b> Trim	<b>RF</b> <sup>1</sup> Remodel	<b>030</b> <sup>2</sup> 3000K, 92CRI	<b>GL</b> General light	<b>REM</b> Remote	<b>01</b> White / black	
<b>ILB10</b> 10 cells		<b>NC</b> <sup>1</sup> New construction plaster frame	<b>035</b> <sup>2</sup> 3500K, 92CRI			<input type="checkbox"/>	<b>02</b> Black / black
<b>ILB15</b> 15 cells		<b>IC</b> New construction insulated ceiling	<b>040</b> <sup>2</sup> 4000K, 92CRI			<b>POE</b> Power over ethernet. (consult customer service)	<b>10</b> Gray / black
		<b>UC</b> Undercabinet					



<sup>1</sup> Available for 05 cells (05) model.  
<sup>2</sup> 92CRI typical - 90CRI minimum.

## REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

PRODUCT CODE

### Indoor rated drivers

Driver box model	Min-max units		
	ILB05 9.8W*	ILB10 20W*	ILB15 29W*
4450-0700-012-120-LTE	1		
4443-0700-014-UNV-D2	1		
4444-0700-022-120-LTE	1-2	1	
4443-0700-025-UNV-D2	2	1	
4450-0700-030-UNV-SD10	1-2	1	
4443-0700-035-UNV-D2	3		1
4445-0700-040-120-LTE	3		1
4450-0700-038-UNV-ED10	1-3	1	1
4448-0700-100-UNV-SD10 (4 channels)	1-8 2 max. per channel	1-4 1 max. per channel	1-3 1 max. per channel

\* Wattage requirement for one (1) fixture (remote fixture only).

### DRIVER CODE SELECTION

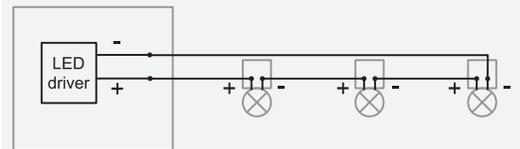
Complete the ordering info to activate the driver code selection menu.

MODEL	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
<b>4443</b> 5" x 4" x 3" (127 x 102 x 76mm)	<b>0700</b> 700mA	<b>012 to 100</b> 12W to 100W	<b>120</b> 120V	<b>D2</b> Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) Max distance: 9m (30ft)* (down to 1%)
<b>4444</b> 6" x 4" x 3" (152 x 102 x 76mm)				<b>UNV</b> 120-277V
<b>4445</b> 6" x 6" x 3" (152 x 152 x 76mm)				<b>ED10</b> 0-10V ELDOLED ECOdrive Max distance: 36m (118ft)* (down to 1%)
<b>4448</b> 10" x 8" x 4" (254 x 203 x 102mm)				<b>SD10</b> 0-10V ELDOLED SOLOdrive Max distance: 36m (118ft)* (down to 0.1%)
<b>4450</b> 8" x 8" x 4" (203 x 203 x 102mm)				<b>LTE</b> Leading edge and trailing edge (ELV and TRIAC) Max distance: 100m (330ft)* (down to 15%)

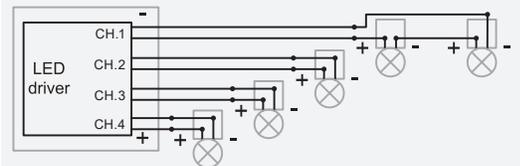
\*Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

#### WIRING DIAGRAMS

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



Luminaires must be connected on separate channels (1-4). Multiple luminaires can be connected in series on a channel (home run or fixture chain). Do not exceed the wattage and voltage range on each channel.

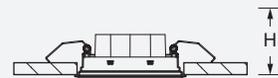


**INSTALLATION**

**Remodel (RF)**

Versatile fixture for new or existing ceiling structure. Suitable for insulated or non-insulated ceiling assemblies, like sheetrock, or paneling. Fixture is ready for remodeling installation. Trimless frame and fixture can be shipped separately.

**Ceiling thickness:** 1/8" - 3/4" (3 - 20mm)



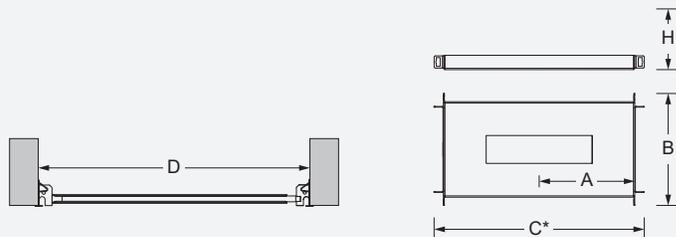
Model	Cut-out dimensions	Clearance (H)
ILB05	1 1/2" x 5 5/8" (37 x 141mm)	2 1/2" (64mm)

\*Can be installed from below the ceiling.

**New construction with plaster frame (NC)**

Plaster frame with hanger bars system to be installed during rough-in phase. Suitable for insulated and non-insulated new construction ceiling assemblies, like sheetrock, acoustic tiles, or paneling. Plaster frame and trim can be shipped separately.

**Ceiling thickness:** 1/8" to 1 1/8" (3mm to 29mm)



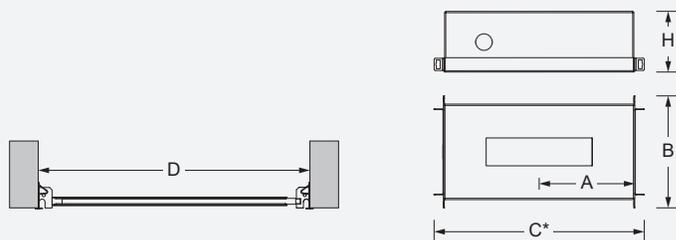
\*Provide a minimum of 1/8" (46mm) on each side for the hanger bar fixations

Model	Plaster frame	Cut-out dimensions	Cut-out positions (A)	Overall dimensions (BxC)	Hanger bars range (D)	Clearance (H)
ILB05	BN-LB05TR-NC-REM	1 1/2" x 5 5/8" (37 x 141mm)	5 1/4" (133mm)	5 5/8" x 11" (150 x 280mm)	9" to 15 1/4" (229 to 387mm)	2 1/2" (64mm)

**New construction with housing (IC)**

New construction housing with hanger bars system to be installed during rough-in phase. This installation is suitable for insulated or non-insulated ceiling. housing and trim can be shipped separately.

**Ceiling thickness:** 1/8" - 1 1/8" (3mm - 29mm)



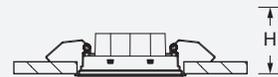
\*Provide a minimum of 1/8" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out positions (A)	Overall dimensions (BxC)	Hanger bars range (D)	Clearance (H)
ILB05	BI-LB05TR-IC-REM	1 1/2" x 5 5/8" (37 x 141mm)	5 1/4" (133mm)	5 5/8" x 11" (150 x 280mm)	9" to 15 1/4" (229 to 387mm)	3 3/8" (81mm)
ILB10	BI-LB10TR-IC-REM	1 1/2" x 10 9/16" (37 x 274mm)	8 5/8" (223mm)	5 5/8" x 18 5/8" (144 x 430mm)	14 1/4" to 26" (362 to 660mm)	3 1/2" (89mm)
ILB15	BI-LB15TR-IC-REM	1 1/2" x 16" (37 x 406mm)	13 5/8" (332mm)	9 1/2" x 25" (242 x 635mm)		

**Undercabinet installation (UC)**

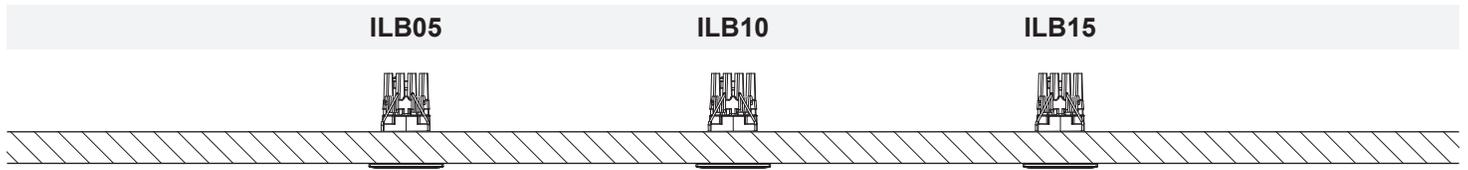
Low profile installation in confined spaces, such as cabinets, shelves and closets. **Not suitable for ceiling installation.**

**Surface thickness:** 1/8" to 1 1/8" (3mm to 29mm)

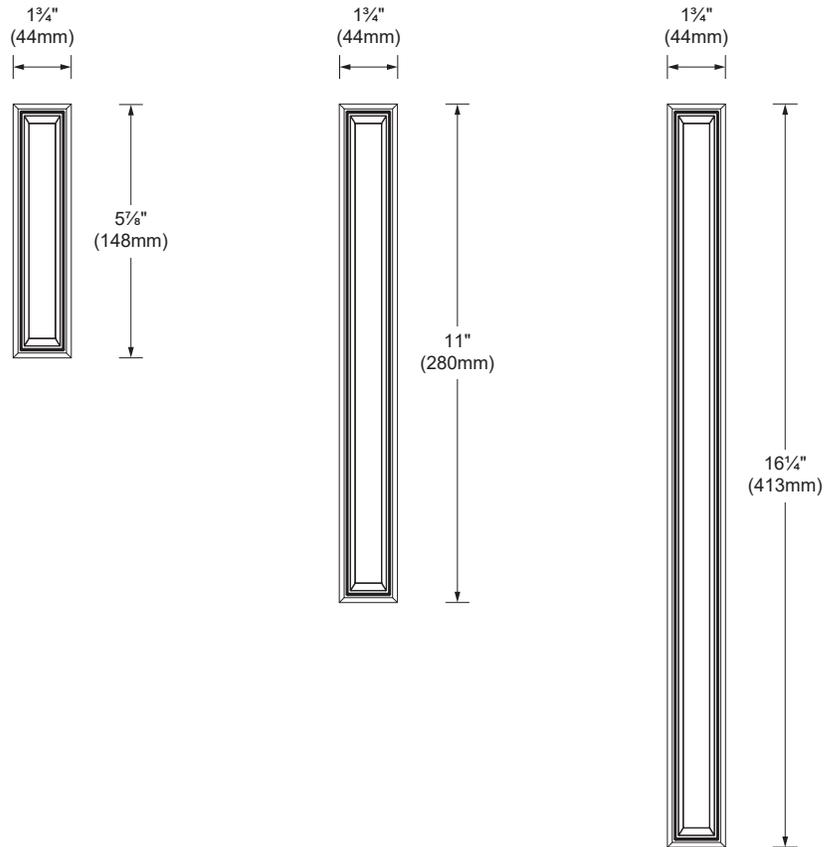


Model	Cut-out dimensions	Clearance (H)
ILB05	1 1/2" x 5 5/8" (37 x 141mm)	2 1/2" (64mm)
ILB10	1 1/2" x 10 9/16" (37 x 274mm)	
ILB15	1 1/2" x 16" (37 x 406mm)	

**DIMENSIONS**



**FRONT VIEW**



**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**

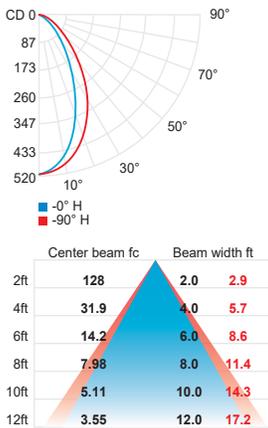
**ILB05**



CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODEL
3000K	92	9.8W	General light	620	63	511	ILB05-030-GL

\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

General light (3000K, 92CRI)



CCT options	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI
<b>Multiplier</b>	<b>1</b>	<b>1.05</b>	<b>1.10</b>

## PHOTOMETRIC DATA

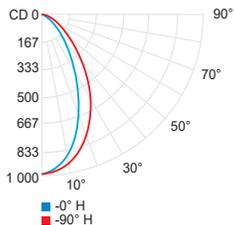
### ILB10



CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODEL
3000K	92	20W	General light	1 210	60	999	ILB10-030-GL

\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

#### General light (3000K, 92CRI)



Center beam fc	Beam width ft	
2ft	249	2.0 2.9
4ft	62.4	4.0 5.7
6ft	27.7	6.0 8.6
8ft	15.6	8.0 11.4
10ft	9.98	10.0 14.3
12ft	6.93	12.0 17.1

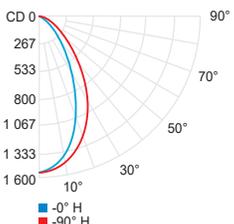
### ILB15



CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODEL
3000K	92	29W	General light	1 829	63	1 511	ILB15-030-GL

\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

#### General light (3000K, 92CRI)



Center beam fc	Beam width ft	
2ft	377	2.0 2.9
4ft	94.3	4.0 5.7
6ft	41.9	6.0 8.6
8ft	23.6	8.0 11.4
10ft	15.1	10.0 14.3
12ft	10.5	12.0 17.1

CCT options	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI
<b>Multiplier</b>	<b>1</b>	<b>1.05</b>	<b>1.10</b>