

Laser blade original is a collection of recessed downlights for architectural applications. The luminaires are equipped with high performance Opti Beam optics system for low luminance downlights (UGR < 10). Laser blade with tunable white technology is available in wide flood, trim or trimless with a generous output of up to 2375 lumens and excellent chromatic performance .

**NOW ASSEMBLED IN NORTH AMERICA.**

**Luminaire characteristic:**

**Power input:** 12W to 33W (system wattage)  
**Lumens:** 800lm to 2375lm (for 2700K-6500K, 90CRI)  
**Luminaire efficacy:** up to 71lm/W

**Source:** Tunable white LED module (LM-80)  
2700K to 6500K, 90CRI

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

**Optics:** Low luminance: Wide flood with Opti Beam technology.

**Material:** Body and heat sink: Die-cast aluminum  
Reflector and baffle: Thermoplastic  
Housing: Galvanized steel

**Mounting:** Remodel suitable for insulated ceiling.  
New construction plaster frame suitable for insulated ceiling. New construction housing suitable for insulated ceiling.

**Electrical:** High efficiency LED driver, rated at 50 000 hours.  
See remote LED driver options on page 3.

**Finish:** Black, white (RAL9010) and grey (RAL9006)  
(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.**

**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>T92765</b> 2700K-6500K, 90CRI	<b>WF</b> Wide flood 42°	<b>REM</b> Remote	<b>TRIM</b>
<b>ILB10</b> 10 cells	<b>TL</b> Trimless	<b>NC</b> <sup>1</sup> New construction plaster frame			<input type="checkbox"/> <b>POE</b> Power over ethernet. (consult customer service)	<b>01</b> White / black
<b>ILB15</b> 15 cells		<b>IC</b> New construction insulated ceiling				<b>31</b> White / white
		<b>UC</b> <sup>2</sup> Undercabinet				<b>02</b> Black / black
						<b>10</b> Gray / black
						<b>TRIMLESS</b>
						<b>31</b> White
						<b>02</b> Black
						Black baffle 
						White baffle 

<sup>1</sup> Available with 05 cells (**ILB05**) model.  
<sup>2</sup> Only available with trim (**TR**) mounting.  
 \* Custom baffle finish available, contact customer service for details.

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

PRODUCT CODE (COMPLETE ON THE PREVIOUS PAGE)

**Indoor rated drivers**

Driver box model	Min-max units		
	ILB05 10.5W*	ILB10 21W*	ILB15 31.5W*
4450-0700/0700-050-UNV-DD10-T2765	1-3	1	1
4450-0700/0700-050-UNV-DDA-T2765	1-3	1	1

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

**DRIVER CODE SELECTION**

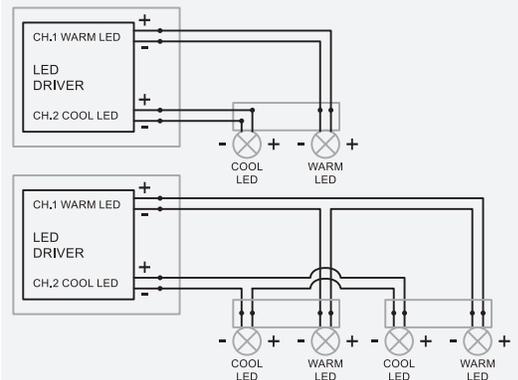
Complete the ordering info to activate the driver code selection menu.

MODEL	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
<b>4450</b> 8" x 8" x 4" (203 x 203 x 102mm)	<b>0700/0700</b> 2 x 700mA	<b>050</b> 50W	<b>UNV</b> 120-277V	<b>DD10</b> 0-10V DUALdrive 2 channels (tunable white) Max distance: 36m (118ft)* (down to 0.1%)  <b>DDA</b> Dali DUALdrive 2 channels (tunable white) Max distance: 36m (118ft)* (down to 0.1%)

\*\*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)



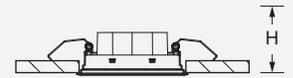
**INSTALLATION**

**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:**

Trim: 1/8" to 1 1/8" (3mm - 29mm)  
Trimless: 5/8" (16mm)



Model			Cut-out dimensions	Clearance (H)
ILB05	TR		1 1/2" x 5 5/8" (37 x 141mm)	2 1/2" (64mm)
	TL	TK-LB05TL-RF*	1 3/8" x 5 5/8" (35 x 141mm)	

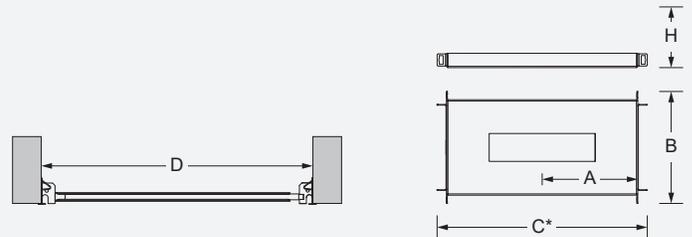
\*Can be installed from below the ceiling.

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

Plaster frame with hanger bars system to be installed during rough-in phase. Suitable for insulated or non-insulated ceiling assemblies, like sheetrock, or paneling. Plaster frame and trim can be shipped separately.  
**(Power supply is not accessible from luminaire opening)**

**Ceiling thickness:**

Trim: 1/8" to 1 1/8" (3mm to 29mm)  
Trimless: 5/8" (16mm)



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

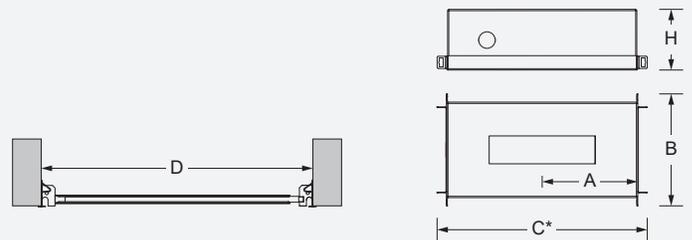
Model	Plaster frame	Cut-out dimensions	Cut-out positions (A)	Overall dimensions (BxC)	Hanger bars range (D)	Clearance (H)
ILB05	BN-LB05TR-NC	1 1/2" x 5 5/8" (37 x 141mm)	5 1/4" (133mm)	5 5/8" x 11" (150 x 280mm)	9" to 15 1/4" (229 to 387mm)	2 1/2" (64mm)
	BN-LB05TL-NC	1 3/8" x 5 5/8" (35 x 141mm)				

**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.  
**(Power supply is not accessible from luminaire opening)**

**Ceiling thickness:**

Trim: 1/8" - 1 1/8" (3mm - 29mm)  
Trimless: 5/8" (16mm)



\*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)	14 1/4" to 26" (362 to 660mm)	3 3/8" (81mm)
	BI-LB05TL-IC-REM	1 3/8" x 5 5/8" (35 x 141mm)				3 1/2" (89mm)
ILB10	BI-LB10TR-IC-REM	1 1/2" x 10 9/16" (37 x 274mm)	8 5/8" (223mm)	5 5/8" x 18 3/8" (144 x 430mm)	14 1/4" to 26" (362 to 660mm)	3 1/2" (89mm)
	BI-LB10TL-IC-REM	1 3/8" x 10 9/16" (35 x 271mm)				
ILB15	BI-LB15TR-IC-REM	1 1/2" x 16" (37 x 406mm)	13 3/8" (332mm)	9 1/2" x 25" (242 x 635mm)	14 1/4" to 26" (362 to 660mm)	3 1/2" (89mm)
	BI-LB15TL-IC-REM	1 3/8" x 15 5/8" (37 x 404mm)				

**Under cabinet installation (UC)**

Low profile installation in confined spaces, such as cabinets, shelves and closets. Not suitable for ceiling installation.  
**(Power supply is not accessible from luminaire opening)**

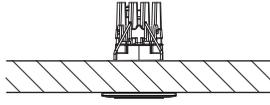
**Surface thickness:** 1/8" to 1 1/8" (3mm to 29mm)



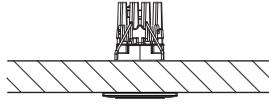
Model			Cut-out dimensions	Clearance (H)
ILB05	TR		1 1/2" x 5 5/8" (37 x 141mm)	2 1/2" (64mm)
ILB10	TR		1 1/2" x 10 9/16" (37 x 274mm)	
ILB15	TR		1 1/2" x 16" (37 x 406mm)	

**TRIM MODELS DIMENSIONS**

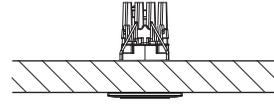
**ILB05**



**ILB10**

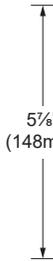
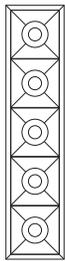


**ILB15**



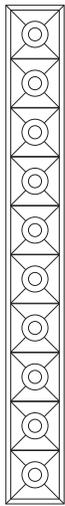
**FRONT VIEW**

1 3/4"  
(44mm)



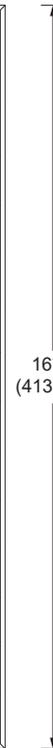
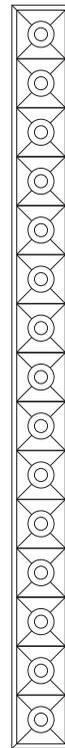
5 7/8"  
(148mm)

1 3/4"  
(44mm)



11"  
(280mm)

1 3/4"  
(44mm)

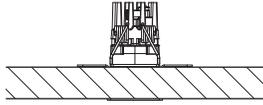


16 1/4"  
(413mm)

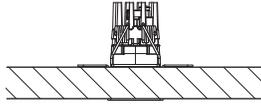
**BOTTOM VIEW**

**TRIMLESS MODELS DIMENSIONS**

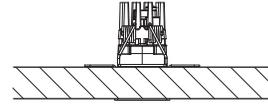
**ILB05**



**ILB10**



**ILB15**



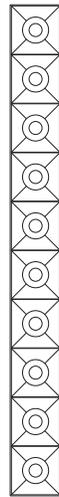
**FRONT VIEW**

1 3/16"  
(30mm)



5/4"  
(132mm)

1 3/16"  
(30mm)



10 3/8"  
(264mm)

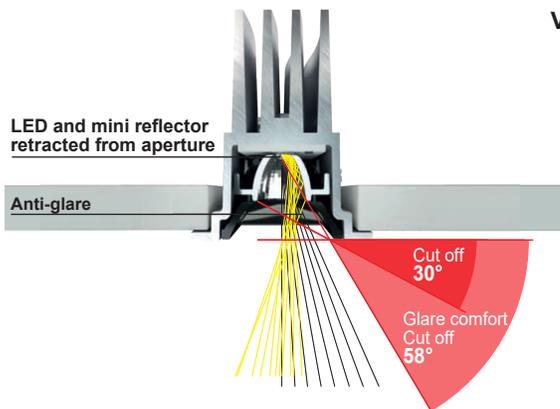
1 3/16"  
(30mm)



15 5/8"  
(396mm)

**BOTTOM VIEW**

Visual comfort UGR < 10.



**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
90	2700K	93	99	94	91	94	96	87	75	48	97	94	89	95	98	87	91	98	0.535
	6500K	96	98	96	96	95	92	95	94	85	95	96	72	98	98	97	90	99	1.073

**PHOTOMETRIC DATA**

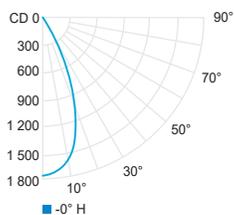
ILB05



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
2700-6500K	90	12W	Wide flood 42°	800	66	1 755	ILB05-T92765-WF

\* Data shown for the center of the spectrum (50% 2700K / 50% 6500K)

Wide flood 42° (2700-6500K, 90 CRI)



	Center beam fc	Beam width ft
2ft	439	1.5
4ft	110	3.1
6ft	48.8	4.6
8ft	27.4	6.2
10ft	17.6	7.7
12ft	12.2	9.3

**PHOTOMETRIC DATA**

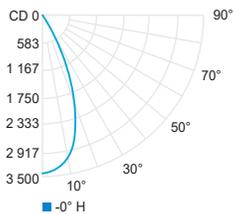
**ILB10**



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
2700-6500K	90	23.5W	Wide flood 42°	1 570	66	3 440	ILB10-T92765-WF

\* Data shown for the center of the spectrum (50% 2700K / 50% 6500K)

Wide flood 42° (2700-6500K, 90 CRI)



	Center beam fc	Beam width ft
2ft	859	1.5
4ft	215	3.1
6ft	95.4	4.6
8ft	53.7	6.2
10ft	34.3	7.7
12ft	23.9	9.3

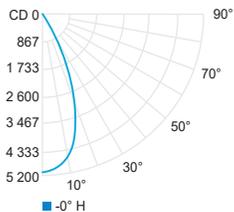
**ILB15**



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
2700-6500K	90	33W	Wide flood 42°	2 375	71	5 195	ILB15-T92765-WF

\* Data shown for the center of the spectrum (50% 2700K / 50% 6500K)

Wide flood 42° (2700-6500K, 90 CRI)



	Center beam fc	Beam width ft
2ft	1 298	1.5
4ft	324	3.1
6ft	114	4.6
8ft	81.1	6.2
10ft	51.9	7.7
12ft	36.0	9.3