

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.

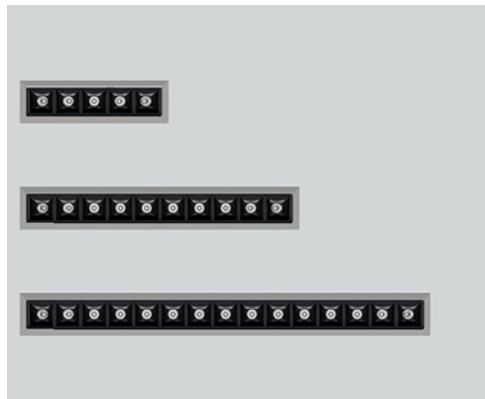
Luminaire characteristic:

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:	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

ILB - **- IC - T92765 - WF - REM -**
FIXTURE

BI - LB - **- IC - REM**
HOUSING

MODEL

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

MOUNTING

☐ **TR** - Trim ☐ **TL** - Trimless

INSTALLATION TYPE

☒ **IC** - New construction insulated ceiling

LED

☒ **T92765** - 2700K-6500K tunable white, 90CRI

OPTIC

☒ **WF** - Wide flood 42°

VOLTAGE

☒ **REM** - Remote ☐ **POE** - Power over ethernet. (consult customer service)

FINISH (trim finish / baffle finish*)

	White trim	Gray trim	Black trim	Trimless
<input checked="" type="checkbox"/> Black baffle	<input type="checkbox"/> 01 - White/Black	<input type="checkbox"/> 10 - Gray/Black	<input type="checkbox"/> 02 - Black/Black	<input type="checkbox"/> 02 - Black
<input checked="" type="checkbox"/> White baffle	<input type="checkbox"/> 31 - White/White			<input type="checkbox"/> 31 - White

*Custom baffle finish available, contact customer service for details.

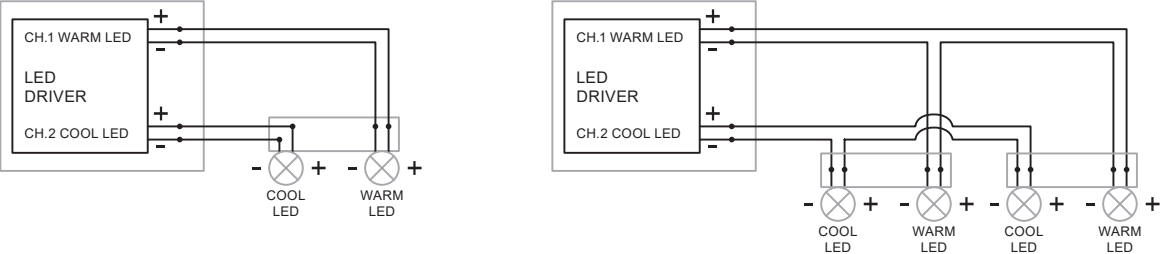
REMOTE LED DRIVER OPTIONS
(TO BE ORDERED SEPARATELY)

							ILB05 10.5W*	ILB10 21W*	ILB15 31.5W*
Watts	Voltage	Rated	Dimming protocol	Dimming range	Dimensions	Max distance**	Min-max units		
4450-0700/0700-050-UNV-DD10-T2765							1-3	1	1
50	120-277V	Indoor	0-10V	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 104mm)	118ft(36m)			
4450-0700/0700-050-UNV-DDA-T2765							1-3	1	1
50	120-277V	Indoor	DALI	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 104mm)	118ft(36m)			

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

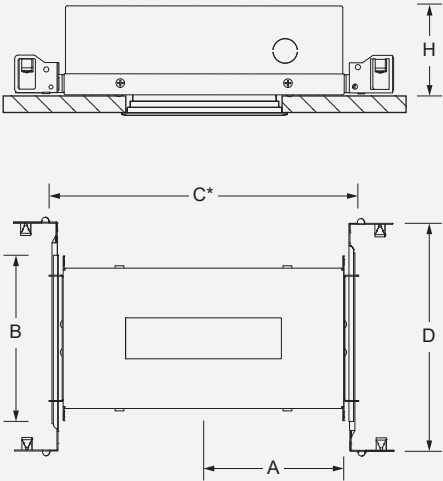


INSTALLATION

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.

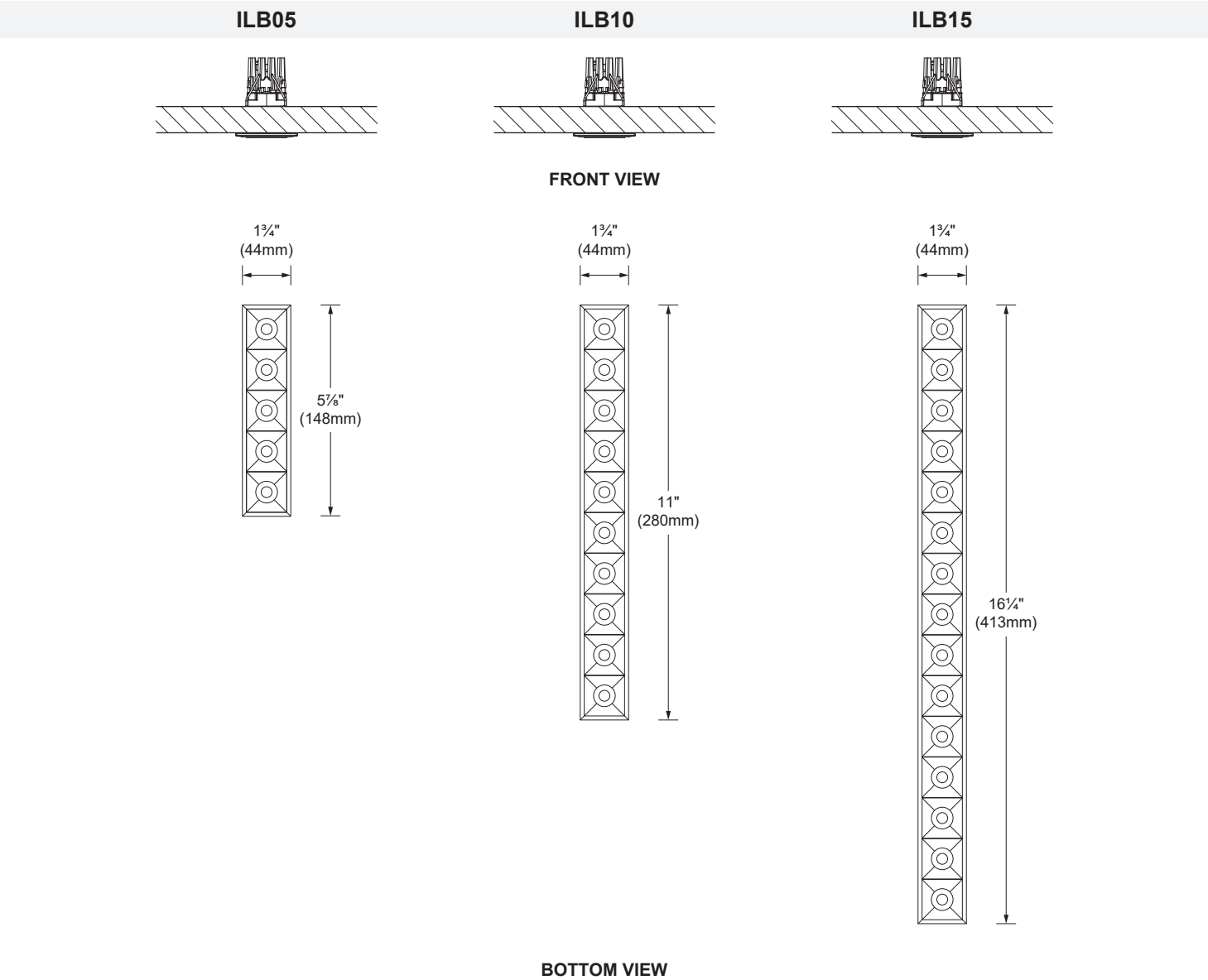
Ceiling thickness:
Trim: 3/8" - 1 1/8" (3mm - 29mm)
Trimless: 5/8" (16mm)



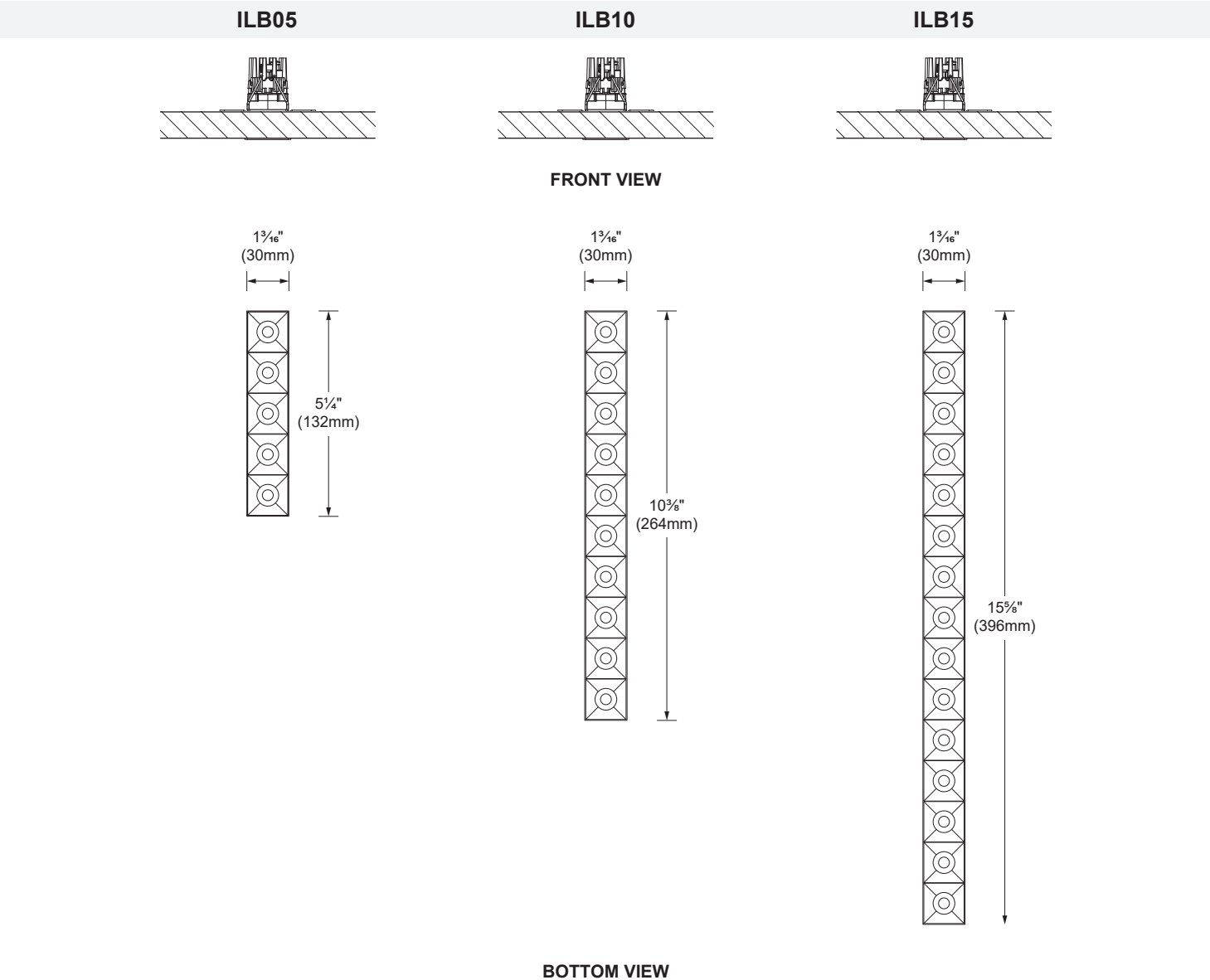
*Provide a minimum of 1 1/8" (46mm) on each side for the hanger bar fixations

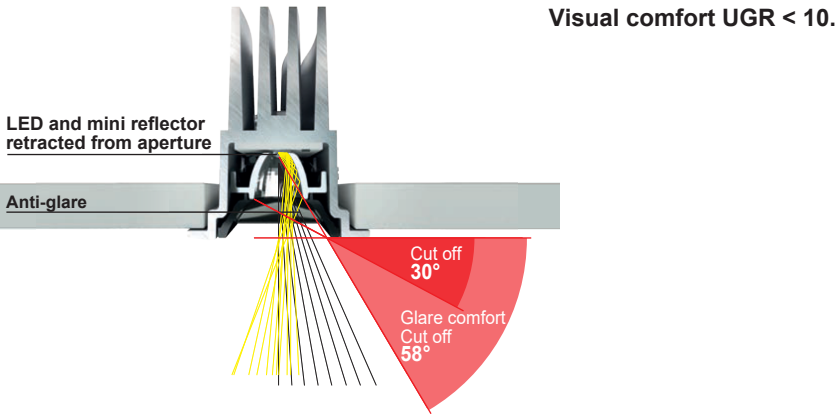
Model	Housing	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
ILB05	BI-LB05TR-IC-REM	1½" x 5⅝" (37 x 141mm)	5¼" (133mm)	5⅝" x 11" (150 x 280mm)	14¼" to 26" (362 to 660mm)	3⅛" (81mm)
	BI-LB05TL-IC-REM	1⅝" x 5⅝" (35 x 141mm)				
ILB10	BI-LB10TR-IC-REM	1½" x 10⅜" (37 x 274mm)	8⅞" (223mm)	6⅞" x 18⅝" (173 x 460mm)		3½" (89mm)
	BI-LB10TL-IC-REM	1⅝" x 10¾" (35 x 271mm)				
ILB15	BI-LB15TR-IC-REM	1½" x 16" (37 x 406mm)	13⅞" (332mm)	9½" x 25" (242 x 635mm)		
	BI-LB15TL-IC-REM	1⅝" x 15⅝" (35 x 404mm)				

TRIM MODELS DIMENSIONS



TRIMLESS MODELS DIMENSIONS





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

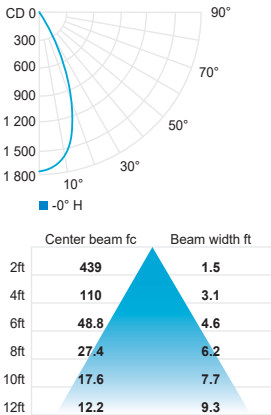
ILB05



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
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)



PHOTOMETRIC DATA

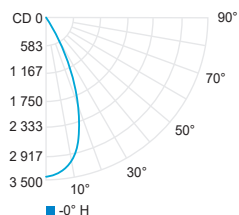
ILB10



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
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

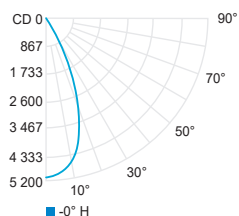
ILB15



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
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