



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 (system wattage)
Lumens: 800lm (for 2700K-6500K, 90CRI)
Luminaire efficacy: up to 66lm/W

Source:	Tunable white Nichia 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
Mounting:	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)
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

ILB05 - - RF - T92765 - WF - REM -
FIXTURE

TK - LB05TL - RF
TRIMLESS FRAME



MODEL

05 - Five

MOUNTING

TR - Trim

TL - Trimless

INSTALLATION TYPE

RF - Remodel

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*)

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

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

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.

(Power supply is not accessible from luminaire opening)

Ceiling thickness:

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



Model		Trimless frame*	Cut-out dimensions	Clearance (H)
ILB05	TR		1 1/2" x 5 5/16" (37 x 141mm)	2 1/2" (64mm)
	TL	TK-LB05TL-RF	1 3/8" x 5 5/16" (35 x 141mm)	

*Can be installed from below the ceiling.

REMOTE LED DRIVER OPTIONS
 (TO BE ORDERED SEPARATELY)

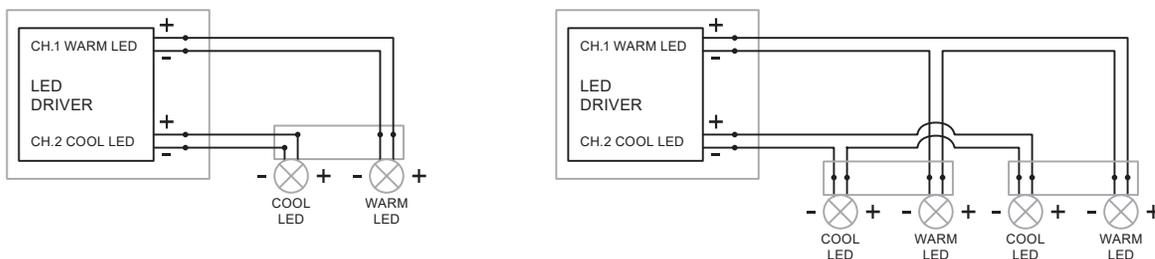
Watts	Voltage	Rated	Dimming protocol	Dimming range	Dimensions	Max distance**	Min-max units
<input type="checkbox"/> 4450-0700/0700-050-UNV-DD10-T2765							ILB05 10.5W*
50	120-277V	Indoor	0-10V	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 104mm)	118ft(36m)	1-3
<input type="checkbox"/> 4450-0700/0700-050-UNV-DDA-T2765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

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

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

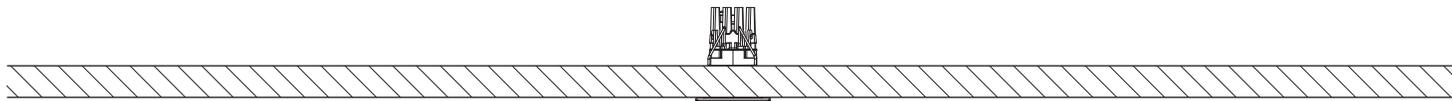
WIRING DIAGRAMS

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

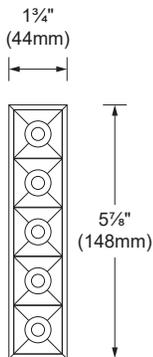


TRIM MODEL DIMENSIONS

ILB05

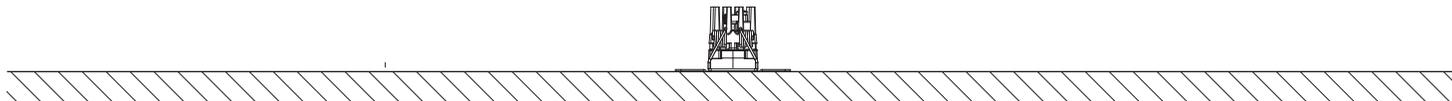


FRONT VIEW

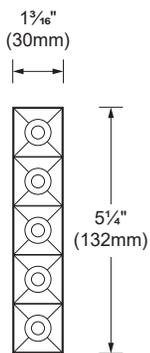


TRIMLESS MODEL DIMENSIONS

ILB05

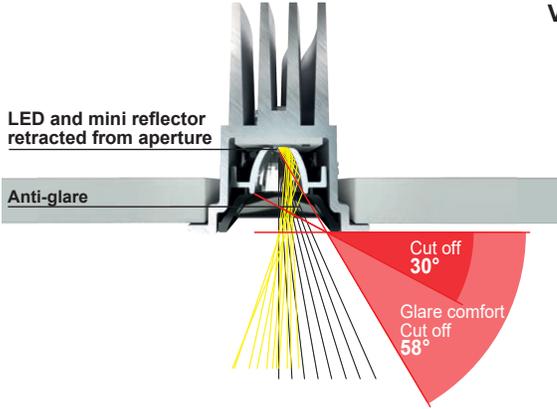


FRONT VIEW



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

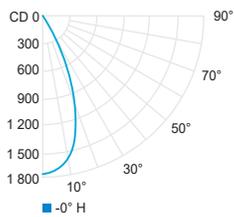
ILB05



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



	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