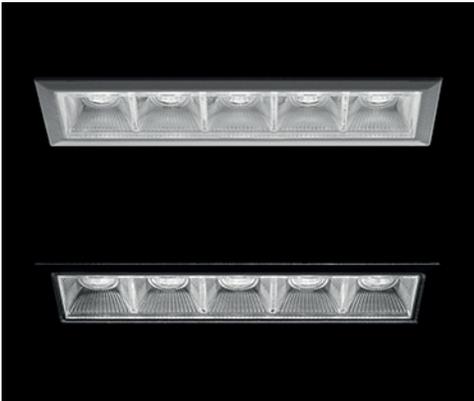


TRIM - D8 - White / transparent



TRIM - 83 - Black / transparent



Laser blade is a collection of recessed downlights for architectural applications. Laser Blade optics have evolved through the adoption of Opti Diamond technology, the outcome of a detailed study into materials, engineering and processes that optimise the catadioptric principle, with the result of extraordinary brilliance just like a diamond. Laser blade space is available in 3 aperture size, trim or trimless with generous outputs of up to 3194 lumens and excellent chromatic performance.

CCT (K)	CRI	MODEL	OPTIC	SYSTEM POWER (W)	LUMENS (lm)	EFFICACY (integral (lm / W))	MAX CANDELA (cd)
3000	92	ILB05	Wide Flood 47°	13.0	1 028	78	1 842
		ILB10	Wide Flood 47°	15.0	2 056	82	3 685
		ILB15	Wide Flood 47°	36.5	3 076	84	5 511

Source:	White LED module (LM-80) 2700K: 92CRI (90CRI min), 3000K: 92CRI (90CRI min), 3500K: 92CRI (90CRI min), 4000K: 92CRI (90CRI min).
Lumen maintenance:	90% of initial lumens at 50 000 hours (L90) (LM-80).
Optics:	Wide flood optic with Opti Diamond technology.
Material:	Body and heat sink: Die-cast aluminum Reflector and baffle: Thermoplastic Housing: Galvanized steel
Mounting:	New construction housing or chicago plenum rated housing, both suitable for insulated ceiling.
Electrical:	High efficiency LED driver ratings.
Dimming:	Leading edge (TRIAC) and trailing edge (ELV) dimming (120V only), down to 1%. 0-10V dimming (120-277V), down to 0.1%. DALI dimming (120-277V), down to 0.1%.
Finish:	Black or white (RAL9010) body with transparent baffle (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*)	DIMMING
ILB05 05 cells	TR Trim	IC New construction insulated ceiling	027 ¹ 2700K, 92CRI	WF Wide flood 47°	120 120V	TRIM	120V
ILB10 10 cells	TL Trimless	CP New construction chicago plenum housing	030 ¹ 3000K, 92CRI		UNV 120-277V	D8 White / transparent	LTE Leading edge and trailing edge (down to 1%)
ILB15 15 cells	035 ¹ 3500K, 92CRI		83 Black / transparent			120-277V (UNV)	
	040 ¹ 4000K, 92CRI		TRIMLESS			D10 0-10V (down to 1%)	
						24 Transparent	DA ² DALI (down to 1%)
							SD10 ² EldoLED SOLOdrive, 0-10V (down to 0.1%)
							SDA ² DALI EldoLED SOLOdrive, DALI (down to 0.1%)

¹ 92CRI typical - 90CRI minimum.
² Not available for fifteen (15) models.
 *Custom baffle finish available, contact customer service for details.

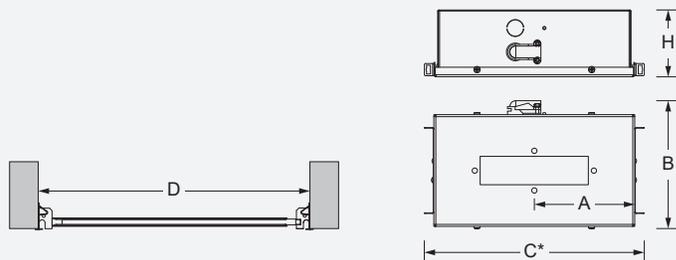
INSTALLATION OPTIONS

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 1/8" (46mm) on each side for the hanger bar fixations

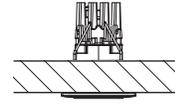
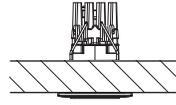
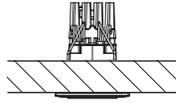
Model	Housing	Cut-out dimensions	Cut-out positions (A)	Overall dimensions (BxC)	Hanger bars range (D)	Clearance (H)
ILB05	BI-LB05TR-IC/CP	1 1/2" x 5 5/8" (37 x 141mm)	5 1/4" (133mm)	6 5/8" x 11 1/2" (167 x 292mm)	14 1/4" to 26" (362 to 660mm)	3 1/2" (89mm)
	BI-LB05TL-IC/CP	1 3/8" x 5 5/8" (35 x 141mm)				
ILB10	BI-LB10TR-IC/CP	1 1/2" x 10 3/8" (37 x 274mm)	8 5/8" (223mm)	6 1/2" x 21 1/8" (166 x 540mm)		
	BI-LB10TL-IC/CP	1 3/8" x 10 3/8" (35 x 271mm)				
ILB15	BI-LB15TR-IC/CP	1 1/2" x 16" (37 x 406mm)	13 1/8" (332mm)	9 1/4" x 28 7/8" (238 x 716mm)		
	BI-LB15TL-IC/CP	1 3/8" x 15 5/8" (37 x 404mm)				

TRIM MODELS DIMENSIONS

ILB05

ILB10

ILB15

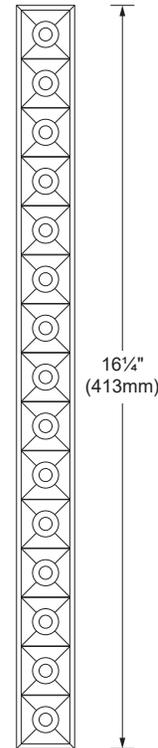
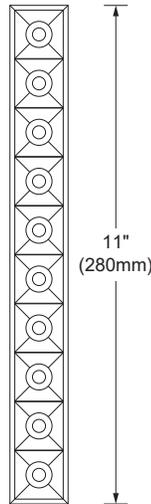
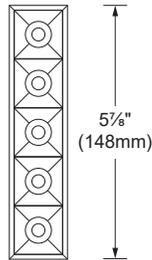


FRONT VIEW

1 3/4"
(44mm)

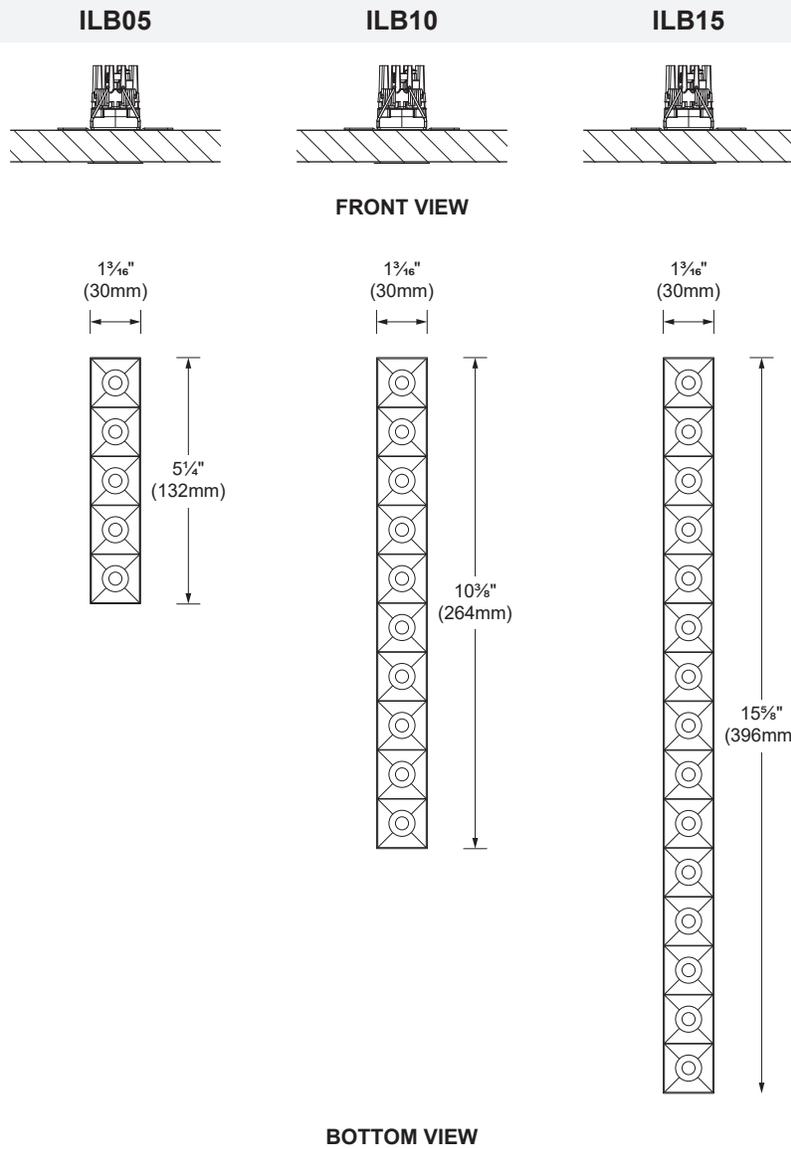
1 3/4"
(44mm)

1 3/4"
(44mm)

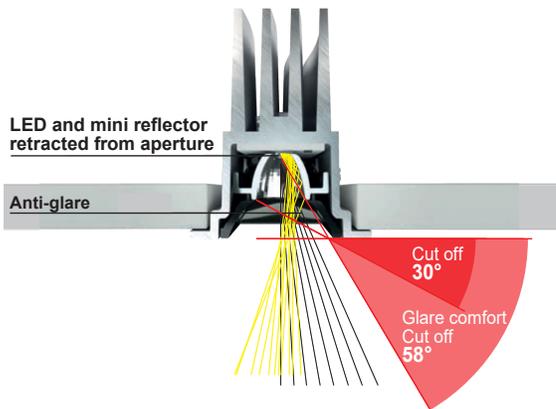


BOTTOM VIEW

TRIMLESS MODELS DIMENSIONS



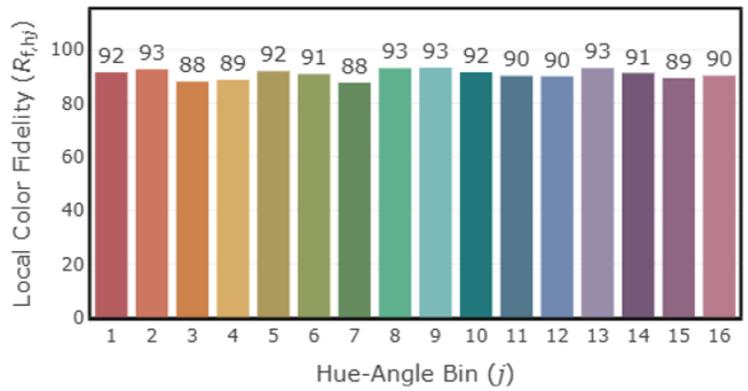
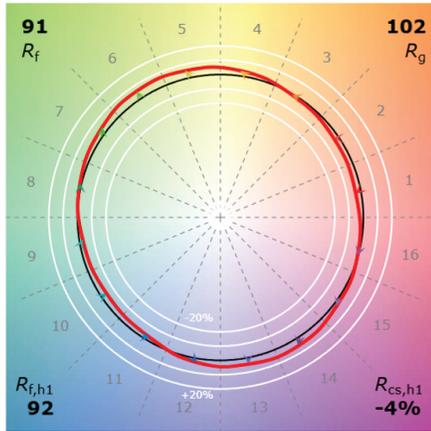
Visual comfort UGR < 16.



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	2700K	92	96	98	91	91	95	91	79	55	89	92	86	93	98	88	91	100	0.488
	3000K	93	97	98	92	93	95	92	82	60	91	92	82	94	99	90	92	99	0.571
	3500K	92	95	96	92	91	93	93	83	59	87	92	79	93	97	89	92	99	0.635
	4000K	93	94	94	93	92	91	94	86	64	85	93	78	93	96	90	91	100	0.715

1 This data may be subjected to change.

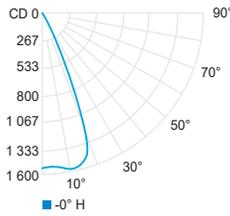


PHOTOMETRIC DATA

ILB05

(3000K, 92CRI) • **Wide Flood 47°**

(ILB05-030-WF)



	Center beam fc	Beam width ft	
2ft	376	1.7	1.8
4ft	94	3.4	3.7
6ft	41.8	5.2	5.5
8ft	23.5	6.9	7.4
10ft	15.0	8.6	9.2
12ft	10.4	10.3	11.1

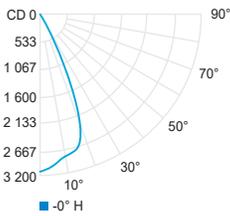
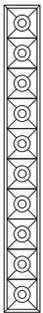
Power: 13.0W
Lumens: 1,028 lm
Efficacy: 78 lm/W
Max candela: 1,842 cd

Photometric data multiplier	
Color temperature	Lumens (lm)
2700K	0.93
3000K	1.00
3500K	1.03
4000K	1.03

ILB10

(3000K, 92CRI) • **Wide Flood 47°**

(ILB10-030-WF)



	Center beam fc	Beam width ft	
2ft	752	1.7	1.8
4ft	188	3.4	3.7
6ft	83.5	5.2	5.5
8ft	47.0	6.9	7.4
10ft	30.1	8.6	9.2
12ft	20.9	10.3	11.1

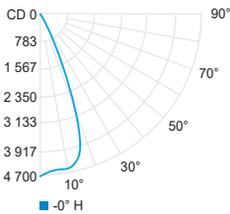
Power: 25.0W
Lumens: 2 056 lm
Efficacy: 82 lm/W
Max candela: 3,685 cd

Photometric data multiplier	
Color temperature	Lumens (lm)
2700K	0.93
3000K	1.00
3500K	1.03
4000K	1.04

ILB15

(3000K, 92CRI) • **Wide Flood 47°**

(ILB15-030-WF)



	Center beam fc	Beam width ft	
2ft	1 124	1.7	1.8
4ft	281	3.4	3.7
6ft	125	5.2	5.5
8ft	70.3	6.9	7.4
10ft	45.0	8.6	9.2
12ft	31.2	10.3	11.1

Power: 36.5W
Lumens: 3,076 lm
Efficacy: 84 lm/W
Max candela: 5,511 cd

Photometric data multiplier	
Color temperature	Lumens (lm)
2700K	0.93
3000K	1.00
3500K	1.03
4000K	1.04