

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 original is available in 5 aperture sizes, trim or trimless, 5 distributions, generous outputs of up to 2583 lumens and excellent chromatic performance .

NOW ASSEMBLED IN NORTH AMERICA.

Luminaire characteristic:

Power input: 3.1W to 36.6W (system wattage)
Lumens: 187lm to 2583lm (for 3000K, 92CRI)
Luminaire efficacy: up to 70lm/W

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-79).

Optics:

Low luminance: Spot, flood, wide flood, general light pro, medium oval transversal or longitudinal and wide flood oval transversal or longitudinal optics with Opti Beam 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:
ILB01: 50 000 hours with insulation
ILB02: 50 000 hours with insulation
ILB05: 50 000 hours with insulation
ILB10: 48 000 hours with insulation
85 000 hours without insulation
ILB15: 38 000 hours with insulation
76 000 hours without insulation

Dimming:

0-10V dimming (120-277V) or leading edge (TRIAC) and trailing edge (ELV) dimming (120V only). Both options down to ±15% dimming range.

Finish:

Black, white (RAL9010) and grey (RAL9006) (page 2).

Weight:

ILB01: 0.11lbs (0.05kg)
ILB02: 0.20lbs (0.09kg)
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.

Energy star certified product (except ILB01/ILB02). To confirm which versions are certified, please consult the product list: www.energystar.gov/productfinder

Assembled in North America.

ORDERING INFO



PRODUCT CODE				INSTALLATION CODE			
MODEL	MOUNTING	INSTALLATION	LED	OPTIC	VOLTAGE	FINISH (trim finish / baffle finish*)	DIMMING
ILB01 01 cell	TR Trim	IC New construction insulated ceiling	027 ¹ 2700K, 92CRI	SP ² Spot 13°	120 ⁵ 120V	TRIM	120V
ILB02 02 cells	TL Trimless	CP New construction chicago plenum housing	030 ¹ 3000K, 92CRI	FL Flood 32°	UNV ⁶ 120-277V	01 White / black	LTE Leading edge and trailing edge (down to 15%)
ILB05 05 cells			035 ¹ 3500K, 92CRI	WF ² Wide flood 47°		31 White / white	120-277V (UNV)
ILB10 10 cells			040 ¹ 4000K, 92CRI	GP ^{2,7} General light pro		02 Black / black	D10 0-10V (down to 15%)
ILB15 15 cells				LM ³ Medium oval longitudinal		10 Gray / black	
				TM ³ Medium oval transversal		TRIMLESS	
				LW ⁴ Wide flood oval longitudinal		31 White	
				TW ⁴ Wide flood oval transversal		02 Black	
						Black baffle 	
						White baffle 	

1 92CRI typical - 90CRI minimum.
 2 Available with five (05), ten (10) and fifteen (15) models.
 3 Available with five (05) model.
 4 Available with five (05) and ten (10) models.
 5 Available with single (01), five (05), ten (10) and fifteen (15) models.
 6 When ordered for single (01) model, no dimming applicable.
 7 Available only with White/white (TR) and White (TL) finish (31).
 *Custom baffle finish available, contact customer service for details.

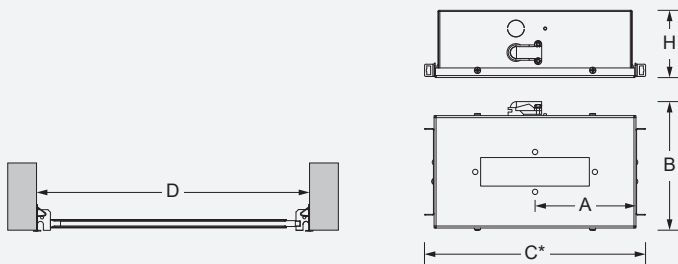
INSTALLATION OPTIONS

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)

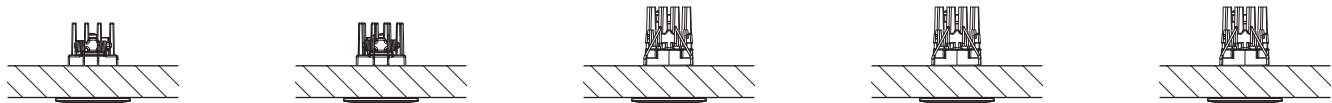


*Provide a minimum of 1/8" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out positions (A)	Overall dimensions (BxC)	Hanger bars range (D)	Clearance (H)
ILB01	BI-LB01TR-IC/CP	1 1/8" x 1 3/8" (35 x 35mm)	6 5/8" (174mm)	6 5/8" x 11 1/2" (167 x 292mm)	14 1/4" to 26" (362 to 660mm)	3 1/2" (89mm)
	BI-LB01TL-IC/CP					
ILB02	BI-LB02TR-IC/CP	1 1/8" x 2 1/2" (35 x 64mm)	6 5/8" (160mm)			
	BI-LB02TL-IC/CP					
ILB05	BI-LB05TR-IC/CP	1 1/2" x 5 5/8" (37 x 141mm)	5 1/4" (133mm)			
	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 5/8" (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

ILB01 ILB02 ILB05 ILB10 ILB15



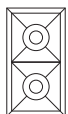
FRONT VIEW

1 3/4"
 (44mm)



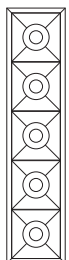
1 3/4"
 (44mm)

1 3/4"
 (44mm)



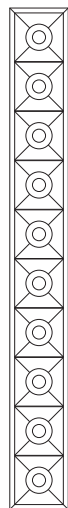
2 7/8"
 (73mm)

1 3/4"
 (44mm)



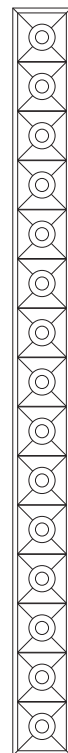
5 7/8"
 (148mm)

1 3/4"
 (44mm)



11"
 (280mm)

1 3/4"
 (44mm)

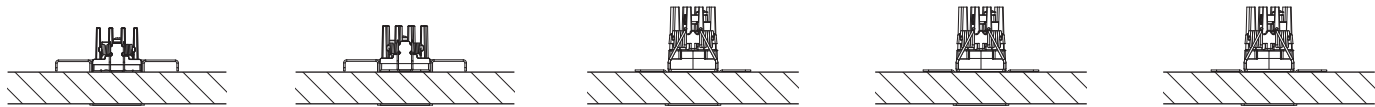


16 1/4"
 (413mm)

BOTTOM VIEW

TRIMLESS MODELS DIMENSIONS

ILB01 ILB02 ILB05 ILB10 ILB15



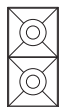
FRONT VIEW

1 3/16" (30mm)



1 3/16" (30mm)

1 3/16" (30mm)



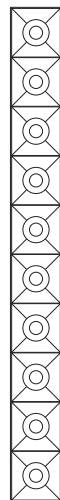
2 1/4" (58mm)

1 3/16" (30mm)



5 1/4" (132mm)

1 3/16" (30mm)



10 3/8" (264mm)

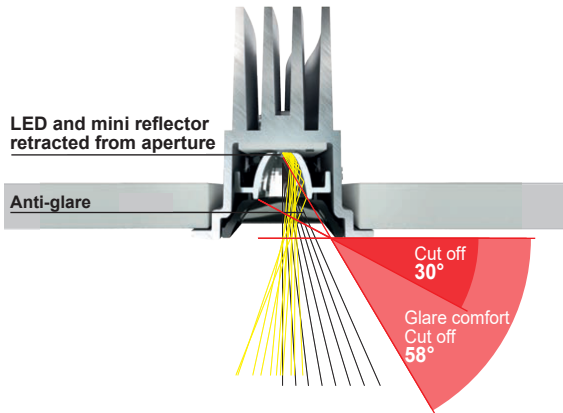
1 3/16" (30mm)



15 5/8" (396mm)

BOTTOM VIEW

Visual comfort UGR < 10.



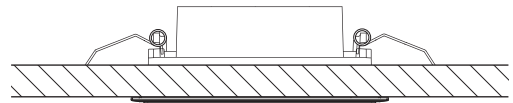
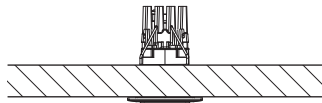
LED COLOR FIDELITY DATA

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
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

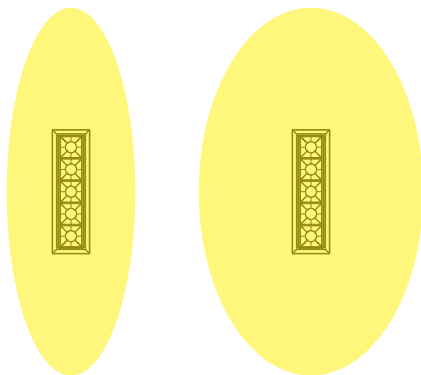
OVAL BEAM DISTRIBUTION

Oval Longitudinal

Oval Transversal

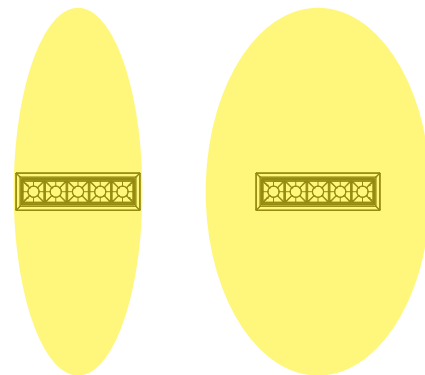


FRONT VIEW



Medium

Wide flood



Medium

Wide flood

TOP VIEW

PHOTOMETRIC DATA

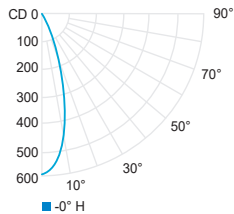
ILB01



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	3.1W	Flood 32°	187	60	591	ILB01-030-FL

Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Flood 32° (3000K, 92CRI)



	Center beam fc	Beam width ft
2ft	148	1.2
4ft	37.0	2.3
6ft	16.4	3.5
8ft	9.25	4.6
10ft	5.92	5.8
12ft	4.11	6.9

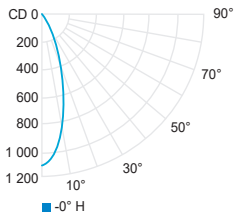
ILB02



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	6.1W	Flood 32°	374	61	1184	ILB02-030-FL

Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Flood 32° (3000K, 92CRI)



	Center beam fc	Beam width ft
2ft	303	1.2
4ft	75.7	2.3
6ft	33.6	3.5
8ft	18.9	4.6
10ft	12.1	5.8
12ft	8.41	6.9

CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	0.95	1	1.05	1.09

PHOTOMETRIC DATA

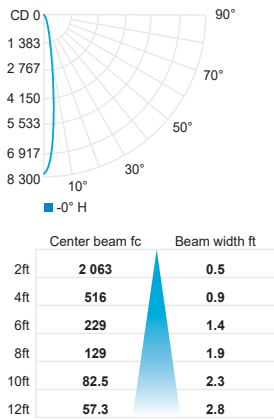
ILB05



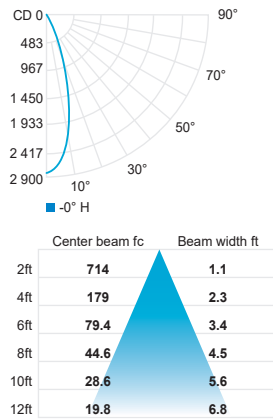
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	12.6W	Spot 13°	861	68	8 250	ILB05-030-SP
			Flood 32°	851	67	2 857	ILB05-030-FL
			Wide flood 47°	851	67	1 628	ILB05-030-WF
			General light pro	788	62	1 122	ILB05-030-GP
			Medium oval longitudinal	767	60	1 281	ILB05-030-LM
			Medium oval transversal	746	59	1 221	ILB05-030-TM
			Wide flood oval longitudinal	756	60	722	ILB05-030-LW
			Wide flood oval transversal	746	59	718	ILB05-030-TW

Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

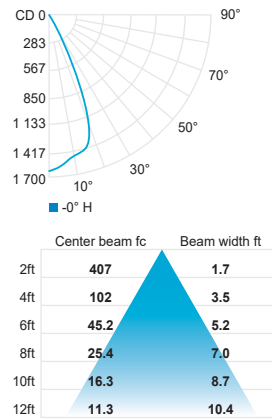
Spot 13° (3000K, 92CRI)



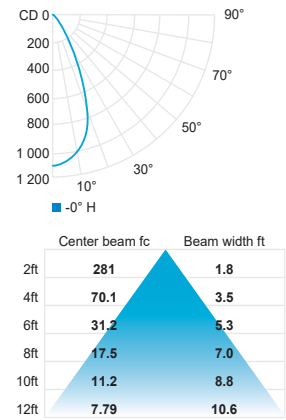
Flood 32° (3000K, 92CRI)



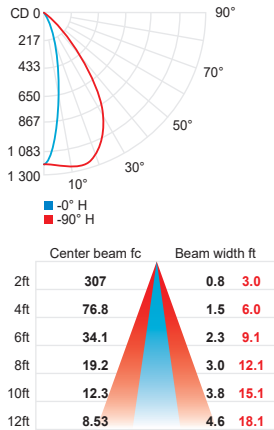
Wide flood 47° (3000K, 92CRI)



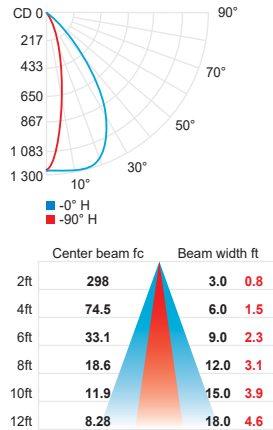
General light pro (3000K, 92CRI)



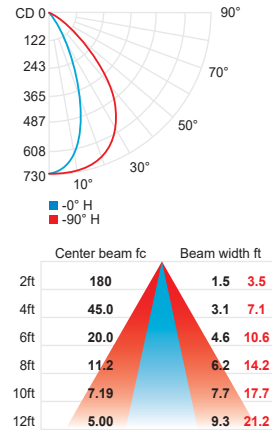
Medium oval long. (3000K, 92CRI)



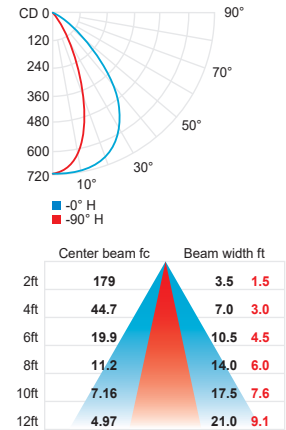
Medium oval tran. (3000K, 92CRI)



Wide flood oval long. (3000K, 92CRI)



Wide flood oval tran. (3000K, 92CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	0.95	1	1.05	1.10

PHOTOMETRIC DATA

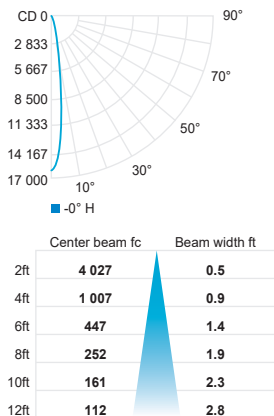
ILB10



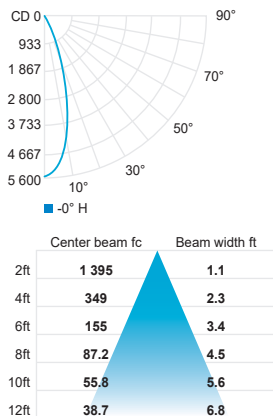
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	24.7W	Spot 13°	1 681	68	16 108	ILB10-030-SP
			Flood 32°	1 661	67	5 578	ILB10-030-FL
			Wide flood 47°	1 661	67	3 179	ILB10-030-WF
			General light pro	1 538	62	2 191	ILB10-030-GP
			Wide flood oval longitudinal	1 476	59	1 410	ILB10-030-LW
			Wide flood oval transversal	1 456	58	1 402	ILB10-030-TW

Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

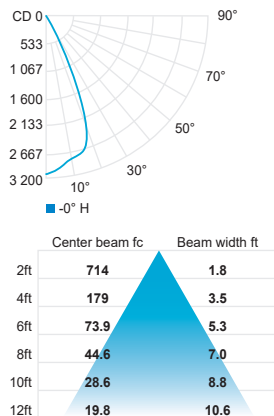
Spot 13° (3000K, 92CRI)



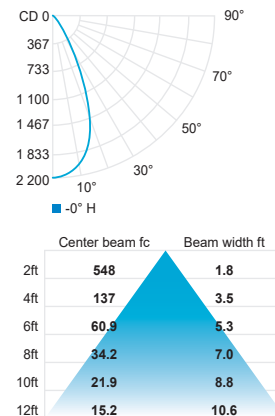
Flood 32° (3000K, 92CRI)



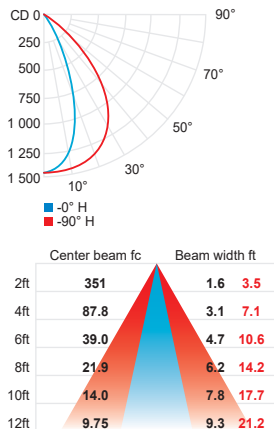
Wide flood 47° (3000K, 92CRI)



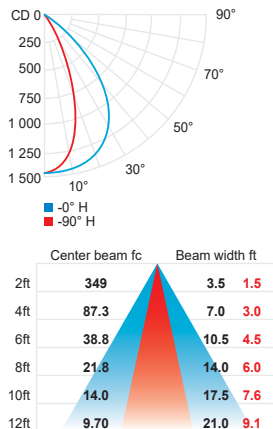
General light pro (3000K, 92CRI)



Wide flood oval long. (3000K, 92CRI)



Wide flood oval tran. (3000K, 92CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	0.95	1	1.05	1.10

PHOTOMETRIC DATA

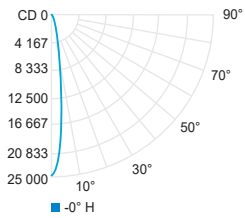
LB15



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	36.6W	Spot 13°	2 583	70	24 751	ILB15-030-SP
			Flood 32°	2 552	69	8 571	ILB15-030-FL
			Wide flood 47°	2 552	69	4 885	ILB15-030-WF
			General light pro	2 363	64	3 367	ILB15-030-GP

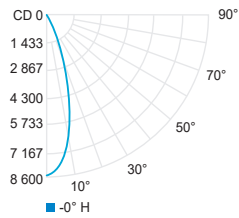
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Spot 13° (3000K, 92CRI)



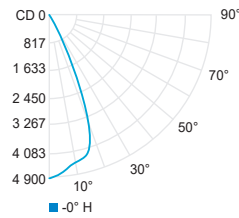
Center beam fc	Beam width ft
2ft	6 188 0.5
4ft	1 547 0.9
6ft	688 1.4
8ft	387 1.9
10ft	248 2.3
12ft	172 2.8

Flood 32° (3000K, 92CRI)



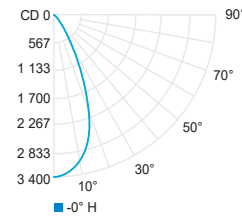
Center beam fc	Beam width ft
2ft	2 143 1.1
4ft	536 2.3
6ft	238 3.4
8ft	134 4.5
10ft	85.7 5.6
12ft	59.5 6.8

Wide flood 47° (3000K, 92CRI)



Center beam fc	Beam width ft
2ft	1 221 1.7
4ft	305 3.5
6ft	136 5.2
8ft	76.3 7.0
10ft	48.9 8.7
12ft	33.9 10.4

General light pro (3000K, 92CRI)



Center beam fc	Beam width ft
2ft	842 1.8
4ft	210 3.5
6ft	93.5 5.3
8ft	52.6 7.0
10ft	33.7 8.8
12ft	23.4 10.6

CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	0.95	1	1.05	1.10