

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 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	1 cell	Flood 13°	3.0	204	65	697	
		2 cells	Flood 13°	6.0	401	66	1 394	
		5 cells	Spot 13°	13.0	1 016	77	8 581	
			Flood 13°	13.0	1 015	77	3 464	
			Wide Flood 13°	13.0	1 028	78	1 738	
		10 cells	Spot 13°	25.0	2 032	81	17 161	
			Flood 13°	25.0	2 032	73	6 927	
		15 cells	Wide Flood 47°	25.0	1 836	93	3 105	
			Spot 13°	36.5	3 039	83	25 662	
			Flood 13°	36.5	3 039	83	10 359	
				Wide Flood 13°	36.5	3 076	84	5 200

N.B.: More optics available

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 13°, flood 32°, wide flood 47°, 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.
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, white (RAL9010) and gray (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. 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 1%)
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 1%)
ILB15 15 cells				LM ³ Medium oval longitudinal		10 Gray / black	DA ⁸ DALI (down to 1%)
				TM ³ Medium oval transversal		TRIMLESS	SD10 ⁸ EldoLED SOLOdrive, 0-10V (down to 0.1%)
				LW ⁴ Wide flood oval longitudinal		31 White	SDA ⁸ DALI EldoLED SOLOdrive, DALI (down to 0.1%)
				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).
 8 Not available for fifteen (15) models.
 * Custom baffle finish available, contact customer service for details.

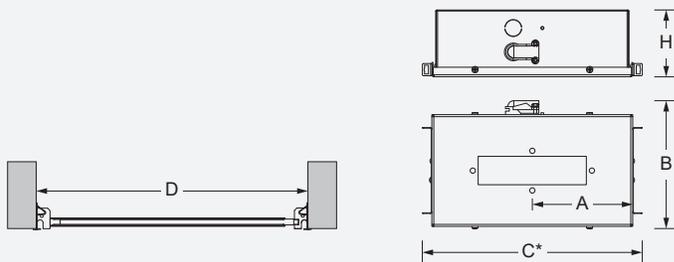
INSTALLATION OPTIONS

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:

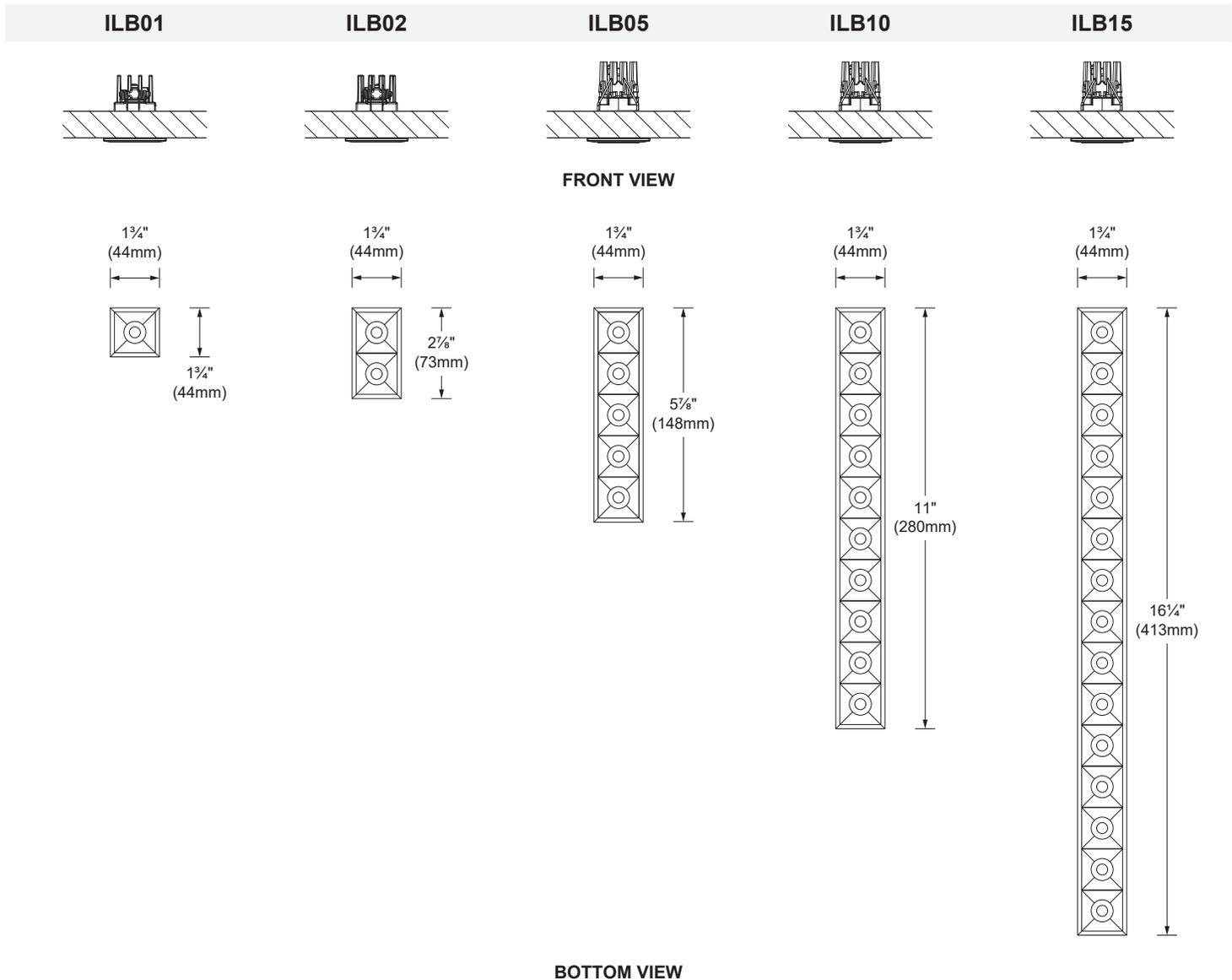
Trim: 1/8" - 1 1/8" (3mm - 29mm)
Trimless: 5/8" (16mm)



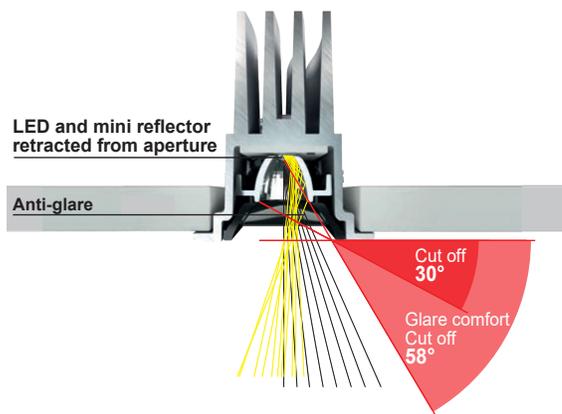
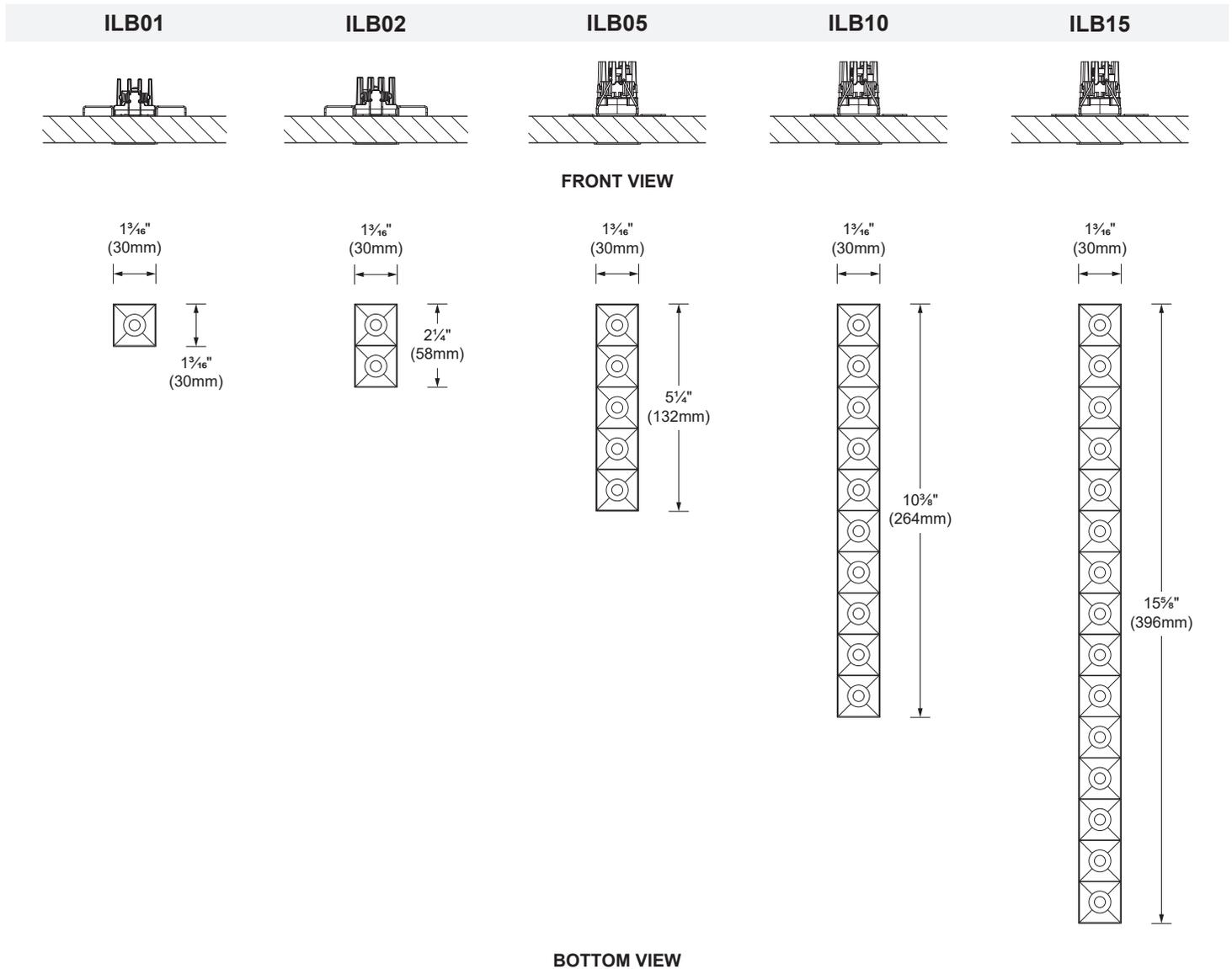
*Provide a minimum of 1/8" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out positions (A)	Overall dimensions (BxC)	Hanger bars range (D)	Clearance (H)
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



TRIMLESS MODELS DIMENSIONS

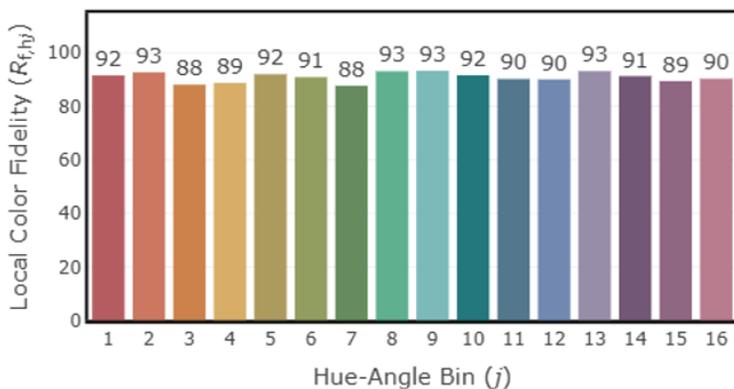
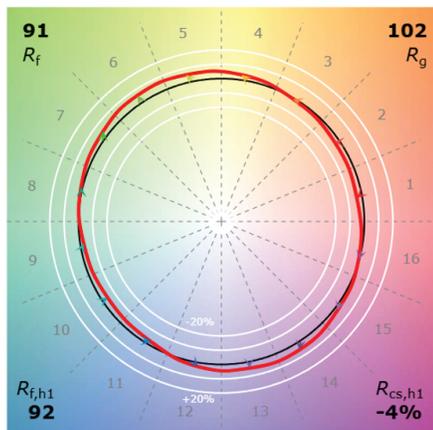


Visual comfort UGR < 10.

LED COLOR FIDELITY DATA

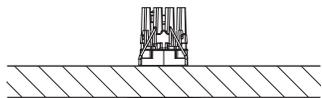
CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
92	2700K	92	96	98	91	91	95	91	79	55	89	92	86	93	98	88	91	100	0.488
	3000K	93	97	98	92	93	95	92	82	60	91	92	82	94	99	90	92	99	0.571
	3500K	92	95	96	92	91	93	93	83	59	87	92	79	93	97	89	92	99	0.635
	4000K	93	94	94	93	92	91	94	86	64	85	93	78	93	96	90	91	100	0.715

1 This data may be subjected to change.

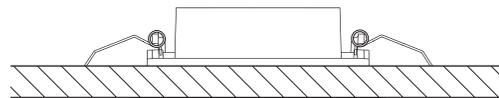


OVAL BEAM DISTRIBUTION

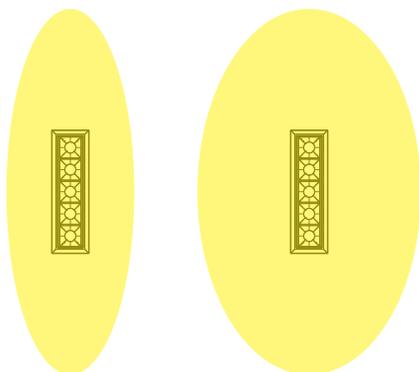
Oval Longitudinal



Oval Transversal

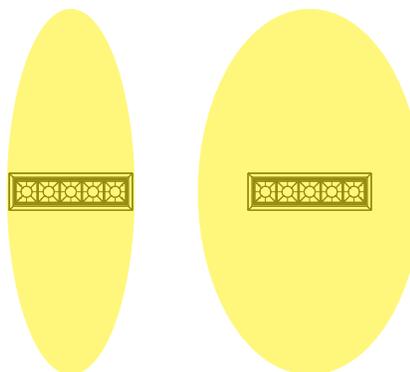


FRONT VIEW



Medium

Wide flood



Medium

Wide flood

TOP VIEW

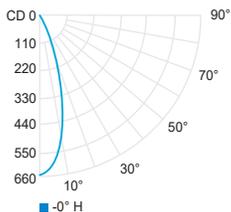
PHOTOMETRIC DATA

ILB01



(3000K, 92CRI) • Flood 32°

(ILB01-030-FL)



Center beam fc	Beam width ft
2ft	1.2
4ft	2.3
6ft	3.5
8ft	4.6
10ft	5.8
12ft	6.9

Power: 3.0W
Lumens: 204 lm
Efficacy: 65 lm/W
Max candela: 697 cd

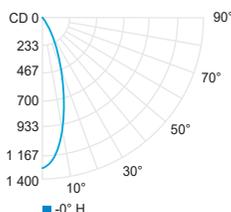
Photometric data multiplier	
Color temperature	Lumens (lm)
2700K	0.91
3000K	1.00
3500K	1.04
4000K	1.04

ILB02



(3000K, 92CRI) • Flood 32°

(ILB02-030-FL)



Center beam fc	Beam width ft
2ft	1.2
4ft	2.3
6ft	3.5
8ft	4.6
10ft	5.8
12ft	6.9

Power: 6.0W
Lumens: 409 lm
Efficacy: 66 lm/W
Max candela: 1,394 cd

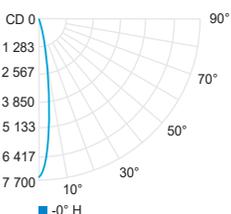
Photometric data multiplier	
Color temperature	Lumens (lm)
2700K	0.91
3000K	1.00
3500K	1.02
4000K	1.02

ILB05



(3000K, 92CRI) • Spot 13°

(ILB05-030-SP)



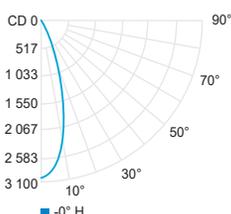
Center beam fc	Beam width ft
2ft	0.5
4ft	0.9
6ft	1.4
8ft	1.9
10ft	2.3
12ft	2.8

Power: 13.0W
Lumens: 1,016 lm
Efficacy: 77 lm/W
Max candela: 8,581 cd

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

(3000K, 92CRI) • Flood 32°

(ILB05-030-FL)



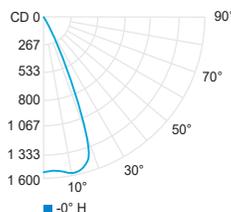
Center beam fc	Beam width ft
2ft	1.2
4ft	2.3
6ft	3.5
8ft	4.6
10ft	5.8
12ft	6.9

Power: 13.0W
Lumens: 1,015 lm
Efficacy: 77 lm/W
Max candela: 3,464 cd

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

(3000K, 92CRI) • Wide Flood 47°

(ILB05-030-WF)



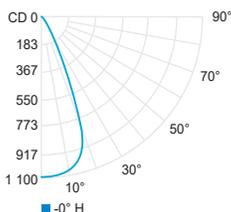
Center beam fc	Beam width ft
2ft	1.7
4ft	3.4
6ft	5.2
8ft	6.9
10ft	8.6
12ft	10.3

Power: 13.0W
Lumens: 1,028 lm
Efficacy: 78 lm/W
Max candela: 1,738 cd

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

(3000K, 92CRI) • General Light Pro

(ILB05-030-GP)



Center beam fc	Beam width ft
2ft	1.9
4ft	3.8
6ft	5.7
8ft	7.5
10ft	9.4
12ft	11.3

Power: 13.0W
Lumens: 919 lm
Efficacy: 70 lm/W
Max candela: 1,226 cd

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

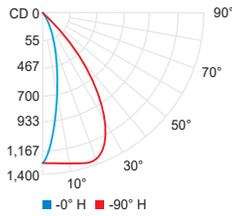
PHOTOMETRIC DATA

ILB05



(3000K, 92CRI) • Medium Oval Longitudinal

(ILB05-030-LM)



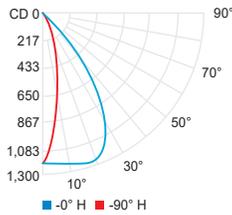
Center beam fc	Beam width ft
2ft 327	0.8 3.0
4ft 81.8	1.6 6
6ft 36.4	2.4 9.1
8ft 20.5	3.2 12.2
10ft 13.1	4.0 15.2
12ft 9.09	4.8 18.3

Power: 13.0W
Lumens: 907 lm
Efficacy: 69 lm/W
Max candela: 1,512 cd

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

(3000K, 92CRI) • Medium Oval Transversal

(ILB05-030-TM)



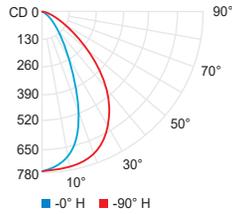
Center beam fc	Beam width ft
2ft 297	3.1 0.8
4ft 74.3	1.6 1.6
6ft 33.0	9.2 2.4
8ft 18.6	12.3 3.3
10ft 11.9	15.3 4.1
12ft 8.26	18.4 4.9

Power: 13.0W
Lumens: 883 lm
Efficacy: 67 lm/W
Max candela: 1,406 cd

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

(3000K, 92CRI) • Wide Flood Oval Longitudinal

(ILB05-030-LW)



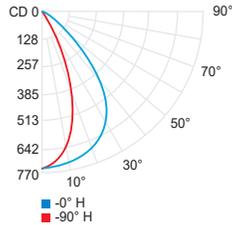
Center beam fc	Beam width ft
2ft 191	1.5 3.6
4ft 47.8	3.1 7.2
6ft 21.2	4.6 10.8
8ft 11.9	6.2 14.4
10ft 7.64	7.7 18.0
12ft 5.31	9.2 21.6

Power: 13.0W
Lumens: 907 lm
Efficacy: 69 lm/W
Max candela: 864 cd

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

(3000K, 92CRI) • Wide Flood Oval Transversal

(ILB05-030-TW)



Center beam fc	Beam width ft
2ft 187	3.6 1.5
4ft 46.8	7.1 3.1
6ft 20.8	10.7 4.6
8ft 11.7	14.3 6.1
10ft 7.49	17.9 7.6
12ft 5.20	21.4 19.2

Power: 13.0W
Lumens: 907 lm
Efficacy: 69 lm/W
Max candela: 856 cd

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

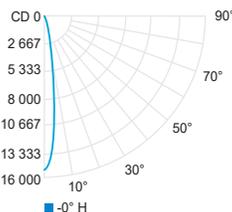
PHOTOMETRIC DATA

ILB10



(3000K, 92CRI) • **Spot 13°**

(ILB10-030-SP)



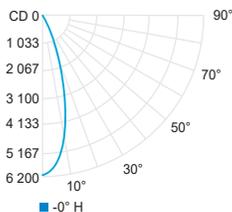
Center beam fc	Beam width ft
2ft 3 831	0.5
4ft 958	0.9
6ft 426	1.4
8ft 239	1.9
10ft 153	2.3
12ft 106	2.8

Power: 25.0W
Lumens: 2,032 lm
Efficacy: 81 lm/W
Max candela: 17,161 cd

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

(3000K, 92CRI) • **Flood 32°**

(ILB10-030-FL)



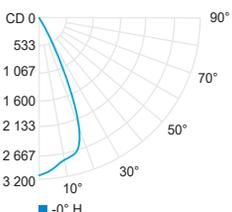
Center beam fc	Beam width ft
2ft 1 546	1.2
4ft 387	2.3
6ft 172	3.5
8ft 96.6	4.6
10ft 61.9	5.8
12ft 43.0	6.9

Power: 25.0W
Lumens: 2,032 lm
Efficacy: 81 lm/W
Max candela: 6,927 cd

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

(3000K, 92CRI) • **Wide Flood 47°**

(ILB10-030-WF)



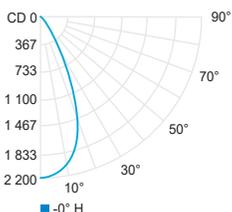
Center beam fc	Beam width ft
2ft 752	1.7 1.8
4ft 188	3.4 3.7
6ft 83.5	5.2 5.5
8ft 47.0	6.9 7.4
10ft 30.1	8.6 9.2
12ft 20.9	10.3 11.1

Power: 25.0W
Lumens: 2,056 lm
Efficacy: 93 lm/W
Max candela: 3,478 cd

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

(3000K, 92CRI) • **General Light Pro**

(ILB10-030-GP)



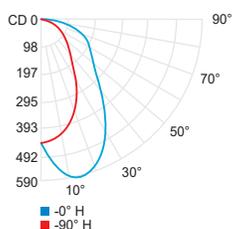
Center beam fc	Beam width ft
2ft 547	1.9
4ft 137	3.8
6ft 60.8	5.7
8ft 34.2	7.5
10ft 21.9	9.4
12ft 15.2	11.3

Power: 25.0W
Lumens: 1,839 lm
Efficacy: 73 lm/W
Max candela: 2,452 cd

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

(3000K, 92CRI) • **Wide Flood Oval Longitudinal°**

(ILB10-030-LW)



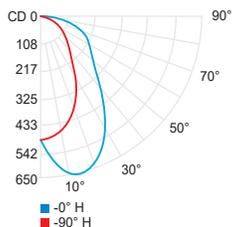
Center beam fc	Beam width ft
2ft 115	1.9 1.8
4ft 28.8	3.8 3.7
6ft 12.8	5.7 5.5
8ft 7.20	7.6 7.4
10ft 4.61	9.4 9.2
12ft 3.20	11.3 11.1

Power: 25.0W
Lumens: 1,814 lm
Efficacy: 72 lm/W
Max candela: 1,727 cd

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

(3000K, 92CRI) • **Wide Flood Oval Transversal°**

(ILB10-030-TW)



Center beam fc	Beam width ft
2ft 127	1.8 2.3
4ft 31.7	3.6 4.6
6ft 14.1	5.4 6.8
8ft 7.92	7.2 9.1
10ft 5.07	9.0 11.4
12ft 3.52	10.8 13.7

Power: 25.0W
Lumens: 1,814 lm
Efficacy: 72 lm/W
Max candela: 1,711 cd

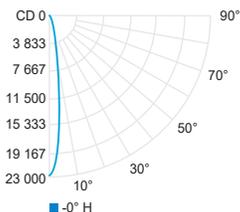
Photometric data multiplier	
Color temperature	Lumens (lm)
2700K	0.93
3000K	1.00
3500K	1.03
4000K	1.04

PHOTOMETRIC DATA

ILB15



(3000K, 92CRI) • Spot 13° (ILB15-030-SP)

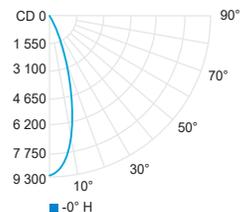


Center beam fc	Beam width ft
2ft	5 728
4ft	1 432
6ft	636
8ft	358
10ft	229
12ft	159

Power: 36.5W
Lumens: 3,039 lm
Efficacy: 83 lm/W
Max candela: 25,662 cd

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

(3000K, 92CRI) • Flood 32° (ILB15-030-FL)

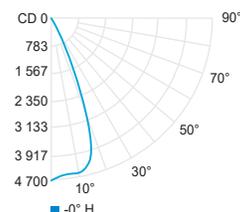


Center beam fc	Beam width ft
2ft	2 312
4ft	578
6ft	257
8ft	145
10ft	92.5
12ft	64.2

Power: 36.5W
Lumens: 3,039 lm
Efficacy: 83 lm/W
Max candela: 10,359 cd

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

(3000K, 92CRI) • Wide Flood 47° (ILB15-030-WF)

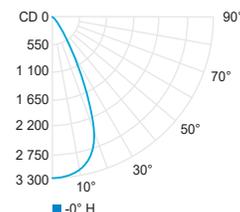


Center beam fc	Beam width ft
2ft	1 124
4ft	281
6ft	125
8ft	70.3
10ft	45.0
12ft	31.2

Power: 36.5W
Lumens: 3,076 lm
Efficacy: 84 lm/W
Max candela: 5,200 cd

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

(3000K, 92CRI) • General Light Pro (ILB15-030-GP)



Center beam fc	Beam width ft
2ft	821
4ft	205
6ft	91.2
8ft	51.3
10ft	32.8
12ft	22.8

Power: 36.5W
Lumens: 2 758 lm
Efficacy: 76 lm/W
Max candela: 3,678 cd

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