

LINEAR LASER BLADE

PENDANT - SOLO UNIT

Type:

Project:

SPECIFICATION SHEET

Page: 1 of 11

Elegant LED profile systems with small aperture, only 1.5". Available in two different sizes for direct / indirect illuminations. Modular continuous systems configured to obtain bespoke solutions by incorporating Laser Blade modules from iGuzzini.

Luminaire characteristics:

Power input: 12.6W to 36.6W per module
Lumens: 336lm to 2583lm per module (3000K, >92CRI)
Luminaire efficacy: Up to 70lm/W

Source:

White LED (LM-80)
 2700K: 92CRI (90CRI min),
 3000K: 92CRI (90CRI min),
 3500K: 92CRI (90CRI min),
 4000K: 92CRI (90CRI min).

Lumen maintenance:

80% of initial lumens at 50 000 hours (L80) (LM-79).

Optics:

Downlight: Spot, flood, wide flood, general light pro, medium oval transversal or longitudinal and wide flood oval transversal or longitudinal;
 General light;
 Wall washer or wall washer LGC.
 Uplight: General light

Material:

Profile: Extruded aluminum,
 Body and end caps: Die-cast aluminum,
 Cover plate: Extruded aluminum,
 Canopy: Die-cast aluminum,
 Baffles and reflector: Thermoplastic,
 Wall washer diffuser: PMMA ribbed acrylic.

Mounting:

Supplied with 5' (1500mm) long suspension aircraft cable (field adjustable) and white canopy. To be installed on a standard 4" octagonal junction box.

Electrical:

Integral high efficiency LED driver, rated at 50 000 hours, 120-277V. Supplied standard with one circuit. Two circuits available upon request with additional canopy.

Dimming:

0-10V (120-277V) or Lutron Hi-lume® 1% EcoSystem™ (120-277V), down to 1%.
 Leading edge (TRIAC) and trailing edge (ELV) (120V only), down to 15%.

Finish:

Powder coated profile, cover plates and white canopy (page 2).

Weight:

Max: 22.6lbs (10.25kg)

Warranty:

5 year limited warranty.

Ratings:

IP20

Certification:



cULus listed for damp location. Interior use only.



ORDERING INFO

FIXTURE

MODEL
3650 - High profile - 4" (116mm)
3660 - Compact profile - 3 1/2" (89mm)

LENGTH
04 - 4' Long
08 - 8' Long

INDIRECT OUTPUT (for high profile only)
NO - None
BO - Base output
MO - Medium output
HO - High output

CONFIGURATION
C2 - 2 modules
C3 - 3 modules(1)
C4 - 4 modules(1)
C5 - 5 modules(1)

LASER BLADE MODEL
LB05 - 5 Cells
LB10 - 10 Cells(2)
LB15 - 15 Cells(3)

LED
027 - 2700K, 92CRI* (4)
030 - 3000K, 92CRI*
035 - 3500K, 92CRI*
040 - 4000K, 92CRI*

OPTIC
SP - Spot 13°
FL - Flood 32°
WF - Wide flood 47°
GP - General light pro
LM - Medium oval longitudinal(6)
TM - Medium oval transversal(5)
LW - Wide flood oval longitudinal(6)
TW - Wide flood oval transversal(6)
GL - General light
WW - Wall washer
WL - Wall washer LGC (longitudinal glare control)

WALL WASHER DIRECTION (FEED POSITION)
L - Left feed
R - Right feed
N - Not applicable

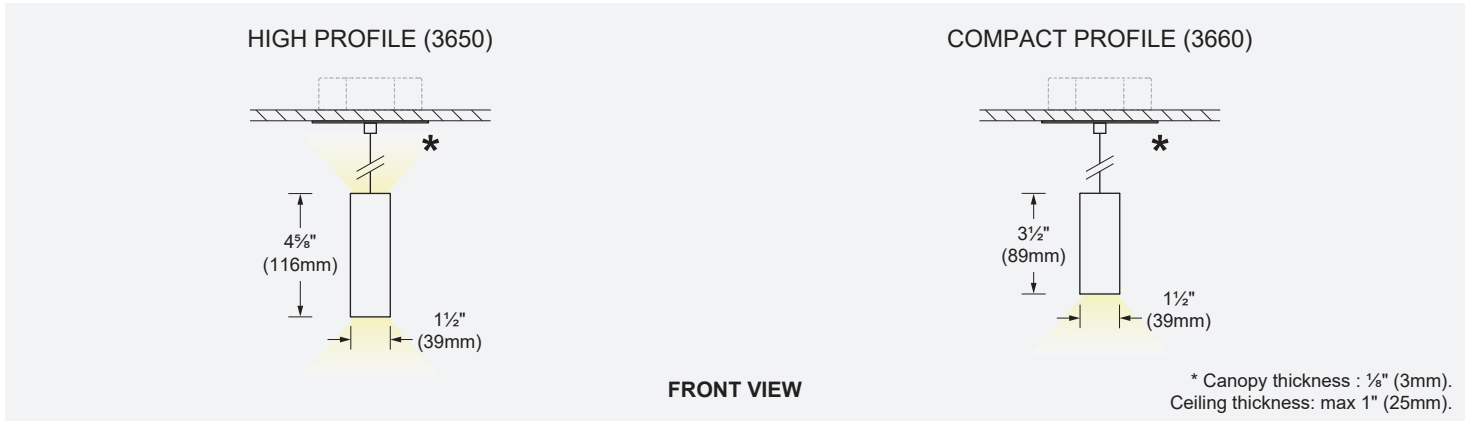
VOLTAGE
UNV - 120-277V
120 - 120V

FINISH (Profile finish / cover plate finish / baffle finish)
22 - Gray / black / black
10 - Gray / gray / black
21 - White / black / black
01 - White / white / black
31 - White / white / white(7)
02 - Black / black / black

DIMMING
D01 - 0-10V (down to 1%)(8)
LTE - Leading edge and trailing edge (120V only) (down to 15%)
D2B - Lutron Hi-lume® 1% EcoSystem™, (down to 1%)(8)

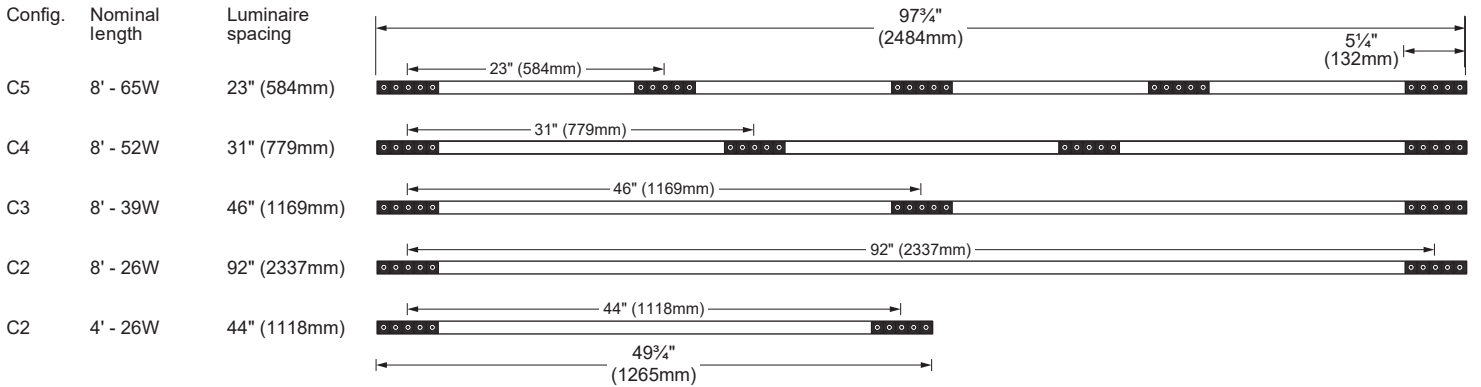
* 92CRI typical, minimum 90CRI.
(1) Available for 8' long (08) length.
(2) Available with 2 (C2), 3 (C3) or 4 (C4) modules configurations.
(3) Available with 2 (C2) or 3 (C3) modules configurations.
(4) Available with compact profile (3660) model. Also available for high profile (3650) model with no indirect output (NO).
(5) Available with five (LB05) model.
(6) Available with five (LB05) and ten (LB10) laser blade models.
(7) Available for downlight (SP, FL, LM, TM, LW, TW, WF, GP) optics.
(8) Available with 120-277V (UNV) voltage.

DIMENSION AND CONFIGURATION

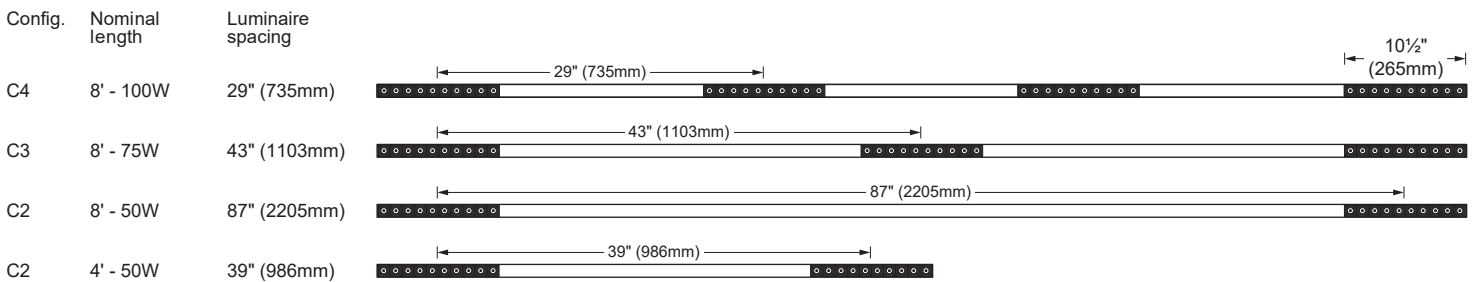


See instruction sheet for anchor points layout

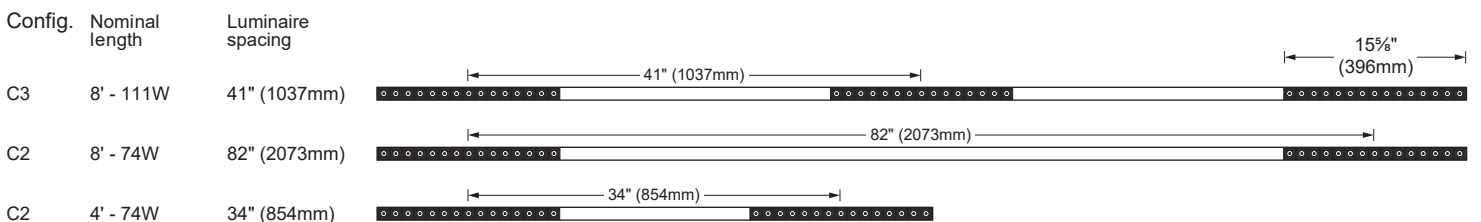
SOLO UNIT CONFIGURATION WITH LASER BLADE 5 CELLS (LB05)
Downlight, general light or wall washer



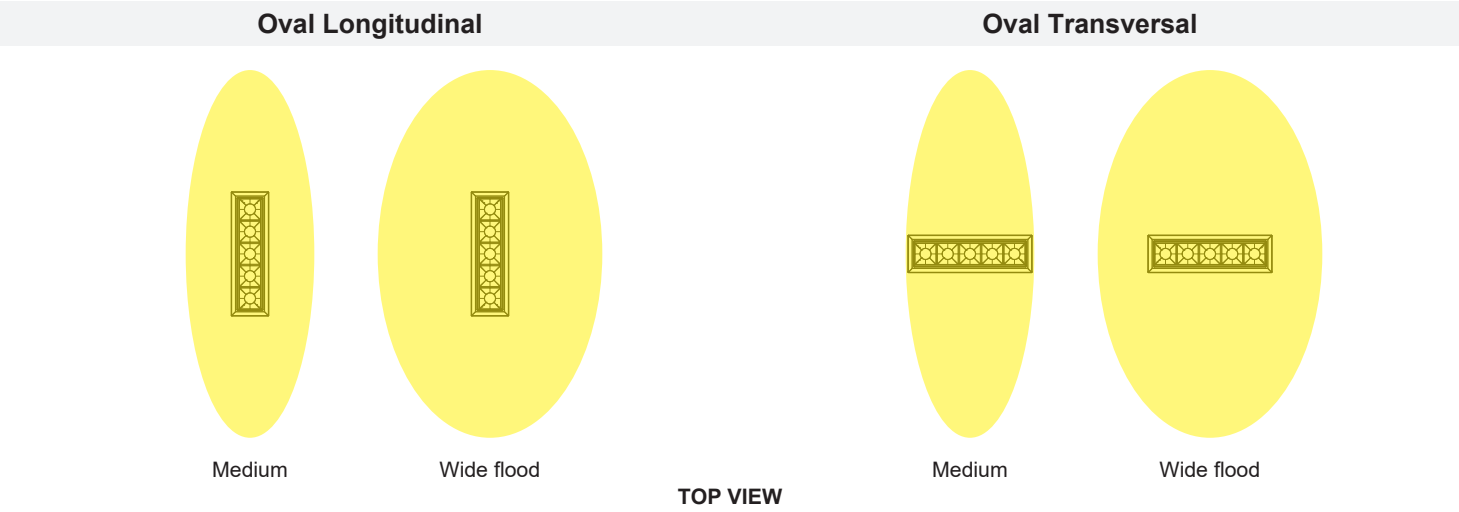
SOLO UNIT CONFIGURATION WITH LASER BLADE 10 CELLS (LB10)
Downlight, general light or wall washer



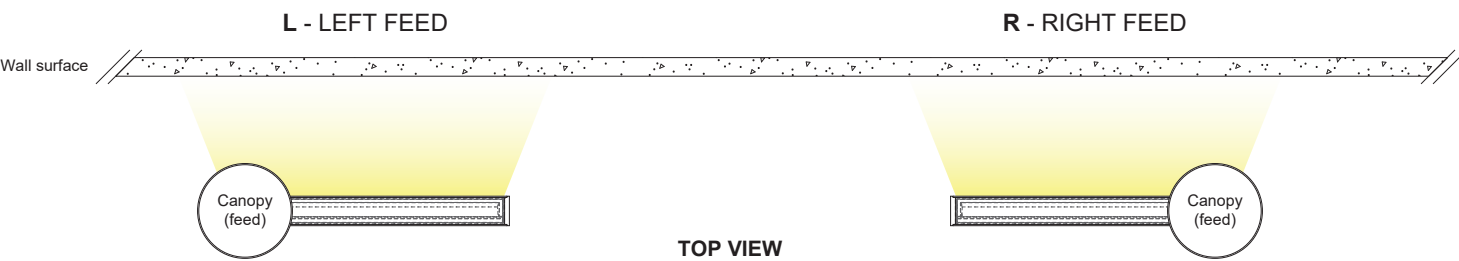
SOLO UNIT CONFIGURATION WITH LASER BLADE 15 CELLS (LB15)
Downlight, general light or wall washer



OVAL BEAM DISTRIBUTION



WALL WASHER DIRECTION (FEED POSITION)



INSTALLATION OPTIONS (INCLUDED)

DEFAULT OPTION

The aircraft cable suspension and power cable terminate at the canopy.

ALTERNATE OPTION

The aircraft cable suspension terminates in the ceiling while the power cable and the canopy cover can be located independently.

MOUNTING ACCESSORIES (TO BE ORDERED SEPARATELY)

☐ **3637** - Accessory for T-Bar Mounting (White) 1 Kit includes 2 anchors
*for installation consult the instruction sheet



Length	# of kits needed
Up to 8'	1
8' to 24'	2
25' to 40'	3
41' to 56'	4
57' to 72'	5
73' to 88'	6
89' to 96'	7

PHOTOMETRIC DATA

ILB05

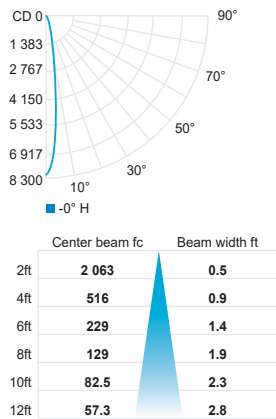


*Photometric data for one laser blade module

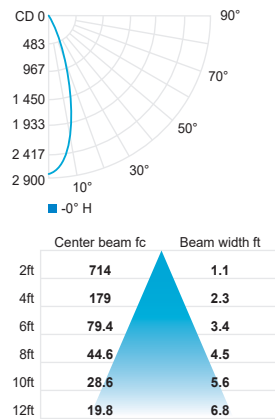
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	12.6W	Spot 13°	861	68	8 250	ILB05-030-SP
			Flood 32°	851	67	2 857	ILB05-030-FL
			Wide flood 47°	851	67	1 628	ILB05-030-WF
			General light pro	788	62	1 122	ILB05-030-GP
			Medium oval longitudinal	767	60	1 281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

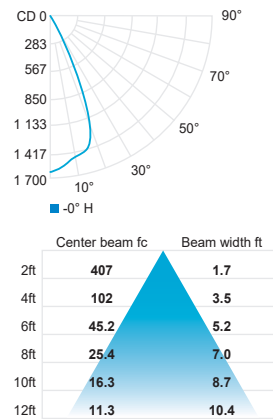
Spot 13° (3000K, 92CRI)



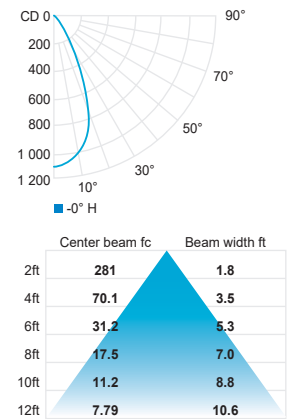
Flood 32° (3000K, 92CRI)



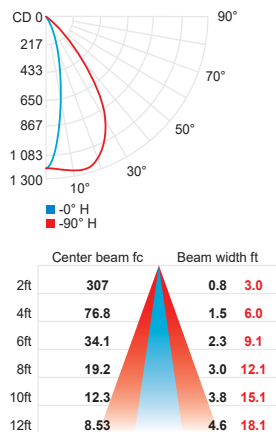
Wide flood 47° (3000K, 92CRI)



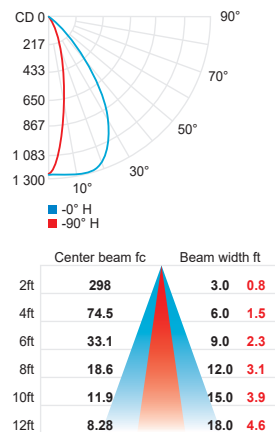
General light pro (3000K, 92CRI)



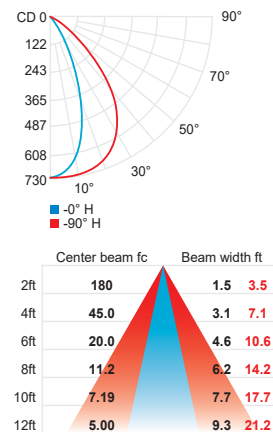
Medium oval long. (3000K, 92CRI)



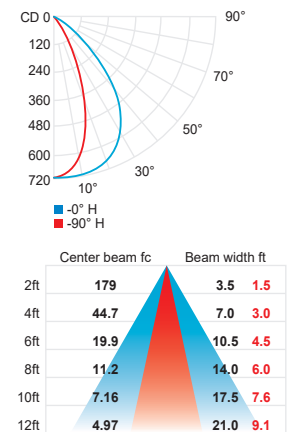
Medium oval tran. (3000K, 92CRI)



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

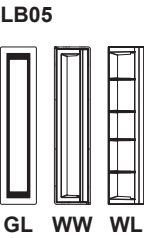


Table with 8 columns: CCT (K), CRI, LOAD (W), OPTIC, LUMENS (lm), EFFICACY (lm / W), MAX CANDELA (cd), and MODELS. It lists three models: LB05-030-GL, LB05-030-WW, and LB05-030-WL.

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

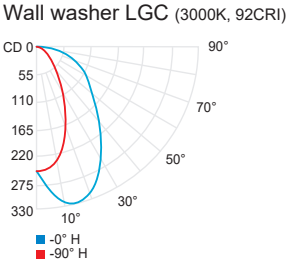
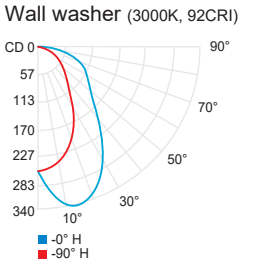
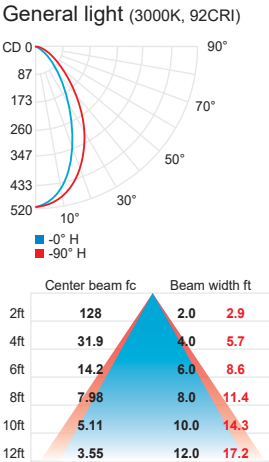


Table with 5 columns: CCT options, CRI options, and Multiplier. It lists options for 2700K, 3000K, 3500K, and 4000K CCT, and 92CRI CRI, with corresponding multipliers of 0.95, 1, 1.05, and 1.10.

PHOTOMETRIC DATA

ILB10

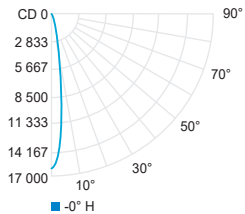


*Photometric data for one laser blade module

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

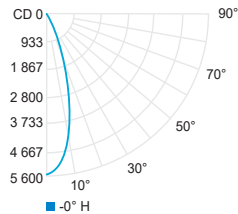
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Spot 13° (3000K, 92CRI)



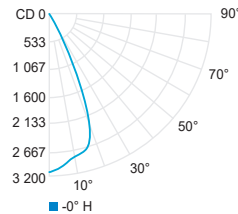
Center beam fc	Beam width ft
2ft 4 027	0.5
4ft 1 007	0.9
6ft 447	1.4
8ft 252	1.9
10ft 161	2.3
12ft 112	2.8

Flood 32° (3000K, 92CRI)



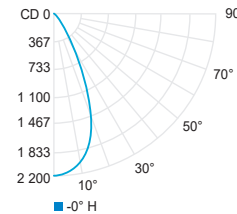
Center beam fc	Beam width ft
2ft 1 395	1.1
4ft 349	2.3
6ft 155	3.4
8ft 87.2	4.5
10ft 55.8	5.6
12ft 38.7	6.8

Wide flood 47° (3000K, 92CRI)



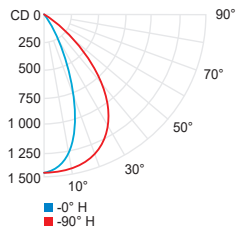
Center beam fc	Beam width ft
2ft 714	1.8
4ft 179	3.5
6ft 73.9	5.3
8ft 44.6	7.0
10ft 28.6	8.8
12ft 19.8	10.6

General light pro (3000K, 92CRI)



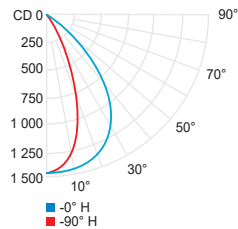
Center beam fc	Beam width ft
2ft 548	1.8
4ft 137	3.5
6ft 60.9	5.3
8ft 34.2	7.0
10ft 21.9	8.8
12ft 15.2	10.6

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



Center beam fc	Beam width ft
2ft 351	1.6
4ft 87.8	3.1
6ft 39.0	4.7
8ft 21.9	6.2
10ft 14.0	7.8
12ft 9.75	9.3

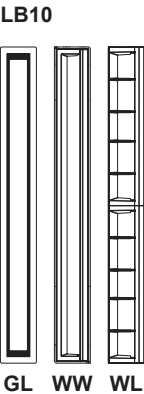
Wide flood oval tran. (3000K, 92CRI)



Center beam fc	Beam width ft
2ft 349	3.5
4ft 87.3	7.0
6ft 38.8	10.5
8ft 21.8	14.0
10ft 14.0	17.5
12ft 9.70	21.0

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

PHOTOMETRIC DATA

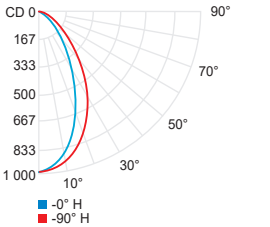


Photometric data for one laser blade module

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	24.7W	General light	1 210	48	999	LB10-030-GL
			Wall washer	820	33	661	LB10-030-WW
			Wall washer LGC (Longitudinal Glare Control)	656	26	636	LB10-030-WL

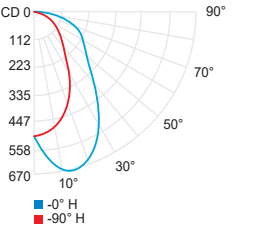
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit sistemalux.com for complete photometric data.

General light (3000K, 92CRI)

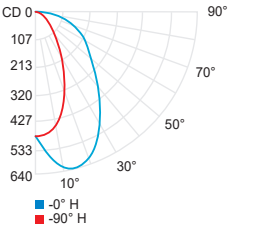


	Center beam fc	Beam width ft	
2ft	249	2.0	2.9
4ft	62.4	4.0	5.7
6ft	27.7	6.0	8.6
8ft	15.6	8.0	11.4
10ft	9.98	10.0	14.3
12ft	6.93	12.0	17.1

Wall washer (3000K, 92CRI)



Wall washer LGC (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

*Photometric data for one laser blade module

Table with 8 columns: CCT (K), CRI, LOAD (W), OPTIC, LUMENS (lm), EFFICACY (lm / W), MAX CANDELA (cd), MODELS. It lists four beam types: Spot 13°, Flood 32°, Wide flood 47°, and General light pro, each with corresponding lumens, efficacy, and max candela values.

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.

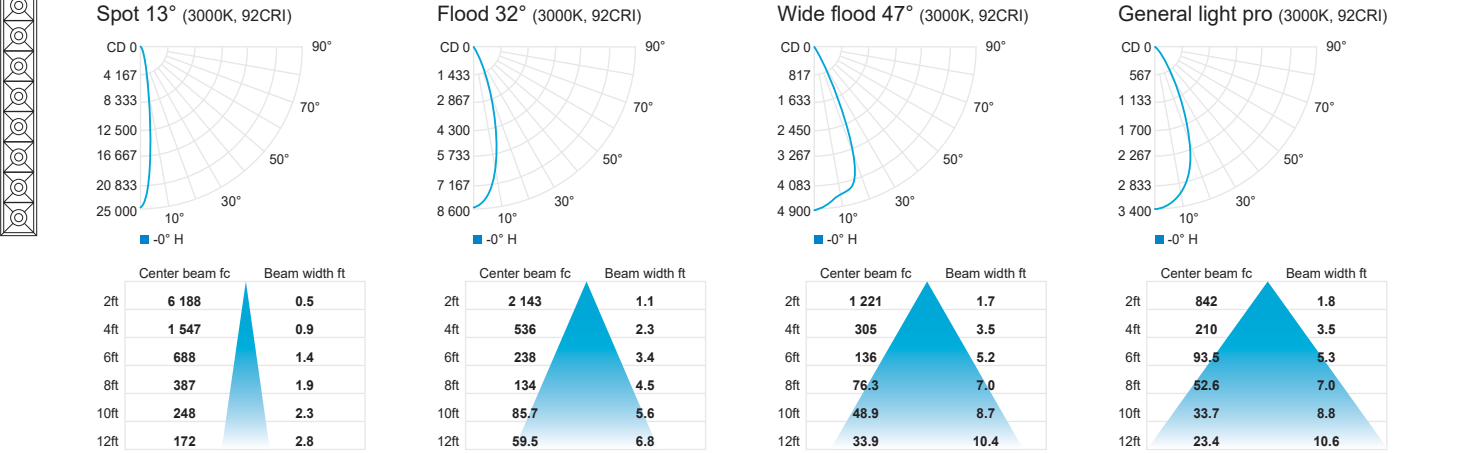
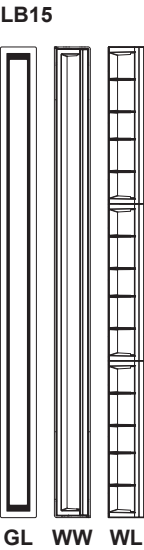


Table with 5 columns: CCT options, CRI options, Multiplier, and four columns for CCT values (2700K, 3000K, 3500K, 4000K). It provides multiplier values for different CCT and CRI combinations.

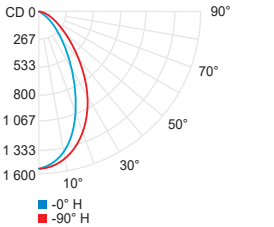
PHOTOMETRIC DATA



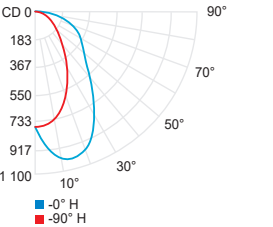
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	36.6W	General light	1 859	50	1 536	LB15-030-GL
			Wall washer	1 260	34	1 017	LB15-030-WW
			Wall washer LGC (Longitudinal Glare Control)	1 008	27	977	LB15-030-WL

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

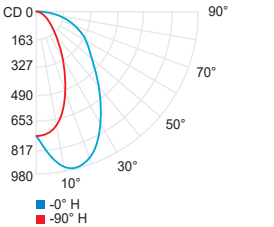
General light (3000K, 92CRI)



Wall washer (3000K, 92CRI)



Wall washer LGC (3000K, 92CRI)



	Center beam fc	Beam width ft
2ft	383	2.0 2.9
4ft	95.8	4.0 5.7
6ft	42.6	6.0 8.6
8ft	24.0	8.0 11.4
10ft	15.3	10.0 14.3
12ft	10.6	12.0 17.1

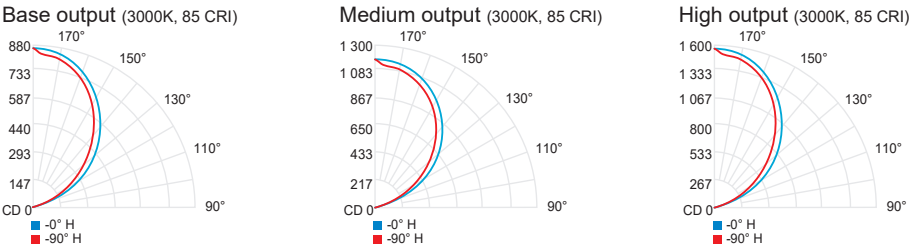
CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	0.95	1	1.05	1.10

PHOTOMETRIC DATA FOR UPLIGHT GENERAL LIGHT

INDIRECT OUTPUT
(for High profile only)

Table with 8 columns: CCT (K), CRI, OUTPUT, LOAD (W / ft), OPTIC, LUMENS (lm/ft), EFFICACY (lm / W), MODELS. Rows include BO, MO, HO output types for 3000K CCT.

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



Multiplier table with 4 columns: CCT options, CRI options, Multiplier, and corresponding values for 3000K, 85CRI, 3500K, 85CRI, 4000K, 85CRI.

LED COLOR FIDELITY DATA FOR DOWNLIGHT - LASER BLADE

Table with 19 columns: CCT, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, Rf, Rg, Melanopic ratio. Rows include CCT options 2700K, 3000K, 3500K, 4000K.

LED COLOR FIDELITY DATA FOR UPLIGHT - GENERAL LIGHT

Table with 19 columns: CCT, R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, Rf, Rg, Melanopic ratio. Rows include CCT options 2700K, 3000K, 3500K, 4000K.