LASER BLADE 5 CELLS
Downlight Integral

Project: _____

Type: _____

OPTIC OPTIONS

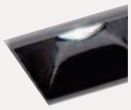


SP, FL, WF, TM, LM,LW, TW. | GP | GL | WW | WL

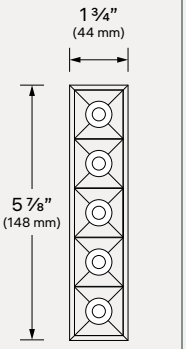
TRIM



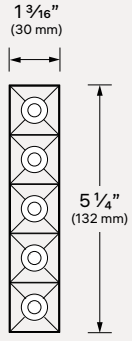
TRIMLESS



TRIM



TRIMLESS



BOTTOM VIEW

Built around the concept of the invisible source, Laser Blade has evolved into a complete architectural lighting family with expanded optics, enhanced performance and excellent chromatic rendering. Available in five sizes and multiple integration options, it delivers exceptional visual comfort across hospitality, workplace, retail and residential applications.

FEATURES

- Available Dimming Protocols: ELV & TRIAC, 0-10V, DALI, eldoLED SOLOdrive 0-10V, and eldoLED SOLOdrive DALI. 1%, 0.1% dimming available (0.1% only for models SD10 and SDA).
- Tool-free installation
- Full specification available *page 4*

IP 20 | c UL us | CE Equivalent Available

5-Year Limited Warranty | CCEA

FINISH OPTIONS *

Trim

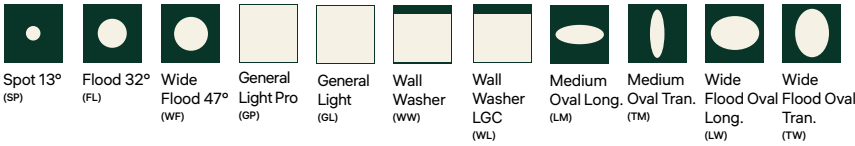


Trimless



*Consult factory for custom finishes

OPTIC OPTIONS



Spot 13° (SP) | Flood 32° (FL) | Wide Flood 47° (WF) | General Light Pro (GP) | General Light (GL) | Wall Washer (WW) | Wall Washer LGC (WL) | Medium Oval Long. (LM) | Medium Oval Tran. (TM) | Wide Flood Oval Long. (LW) | Wide Flood Oval Tran. (TW)

MODEL	AVAILABLE OPTIC	SYSTEM POWER (W)	LUMENS (LM)	EFFICACY (IM/W)	MAX CANDELA (CD)
ILB05	Spot 13°	13.0	1 016	77	8 581
	Flood 32°	13.0	1 015	77	3 464
	Wide Flood 47°	13.0	1 028	78	1 738
	Wide Flood Space 47°	13.0	1 028	78	1 842
	General Light Pro	13.0	919	70	1 226
	General Light	13.0	620	63	511
	Wall Washer	13.0	420	32	355
	Wall Washer LGC	13.0	324	24	329
	Medium Oval Longitudinal	13.0	907	69	1 512
	Medium Oval Transversal	13.0	883	67	1 406
	Wide Flood Oval Longitudinal	13.0	907	69	864
	Wide Flood Oval Transversal	13.0	907	69	856

FAMILY OVERVIEW*

RECESSED



1 Cell | 2 Cells



5 Cells



10 Cells

15 Cells



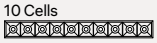
SURFACE



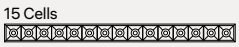
5 Cells



10 Cells



15 Cells



PENDANT



LINEAR



WOOD SLAT CEILING



*Refer to other spec sheets to view additional options

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LASER BLADE 5 CELLS
Downlight Integral

Project: _____

Type: _____

ORDERING INFO

ILB05

PRODUCT CODE EXAMPLE: ILB05-TL-CP-030-F-120-01 **INSTALLATION CODE**

ILB05							
MODEL	**MOUNTING**	**INSTALLATION**	**LED**	**OPTIC**	**VOLTAGE**	**FINISH**	**DIMMING**
ILB05 5 Cells	**TR** Trim **TL** Trimless Drywall Mud **ML** [1] Trimless Millwork	**IC** New Construction Insulated Ceiling **CP** New Construction Chicago Plenum Housing	**027** [2] 2700K, 92CRI **030** [2] 3000K, 92CRI **035** [2] 3500K, 92CRI **040** [2] 4000K, 92CRI	**SP** Spot 13° **FL** Flood 32° **WF** Wide Flood 47° Wide Flood Space 47° **GP** [4] General Light Pro **GL** [5] General Light **WW** Wall Washer **WL** Wall Washer LGC (Longitudinal Glare Control) **LM** Medium Oval Longitudinal **TM** Medium Oval Transversal **LW** Wide Flood Oval Longitudinal **TW** Wide Flood Oval Transversal	**120** 120V **UNV** 120-277V	***TRIM*** (Trim / Baffle finish [6]) **01** White / Black **31** White / White **02** Black / Black **10** Gray / Black **D8** [3] White / Transparent Space **83** [3] Black / Transparent Space ***TRIMLESS*** (Baffle finish[6]) **31** White **02** Black **24** [3, 7] Transparent Space	**120V** **LTE** Leading and trailing edge (ELV & TRIAC) (Down to 1%) **120-277 (UNV)** **D10** 0-10V (Down to 1%) **DA** DALI (Down to 1%) **SD10** EldoLED SOLOdrive, 0-10V (Down to 0.1%) **SDA** DALI EldoLED SOLOdrive, DALI (Down to 0.1%)

1 Mounting kit is supplied in white when the transparent **(24)** finish is selected.
2 92CRI typical - 90CRI minimum.
3 Only available with Wide Flood Space 47°
4 Available only with White/white **(TR)** and White **(TL)** finish **(31).**
5 Available only with Trim option **(TR).**
6 Custom baffle finish available, contact customer service for details.
7 The product comes with a white body.

ACCESSORIES (TO BE ORDERED SEPARATELY)

Available only for trim mounting

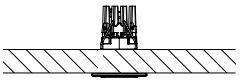
Anti-glare screen

☐ IMXP7-02 -For Laser Blade 05 cells.



OVAL BEAM DISTRIBUTION

OVAL LONGITUDINAL

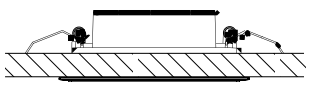


FRONT VIEW



LM **TOP VIEW** LW

OVAL TRANSVERSAL



FRONT VIEW



TM **TOP VIEW** TW

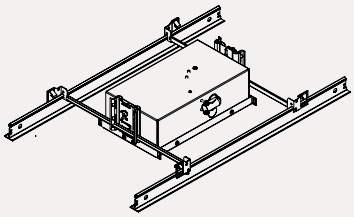
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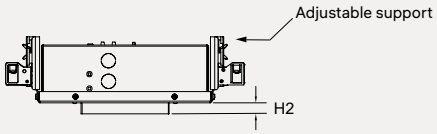
INSTALLATION

NEW CONSTRUCTION WITH HOUSING SUITABLE FOR INSULATED CEILING (IC) OR CHICAGO PLENUM (CP)*

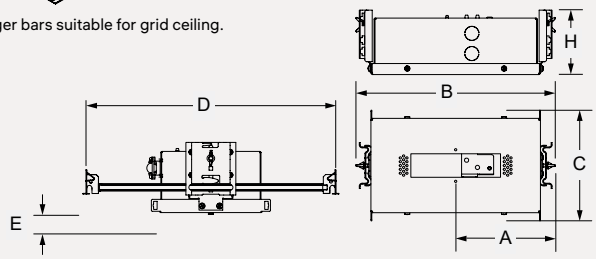
Housing with hanger bars system for new construction installations. Suitable for insulated ceiling or Chicago plenum applications like sheetrock, paneling and grid ceiling. Housing and trim can be shipped separately **(Power supply is not accessible from luminaire opening).**



Hanger bars suitable for grid ceiling.



Ceiling thickness(H2):
Trim: ⅜" to 1 ⅛" (3 mm – 29 mm)
Trimless drywall mud: ⅜" to 1 ⅛" (3 mm - 29 mm).
Trimless millwork: ½" to 1" (13 mm - 25 mm).



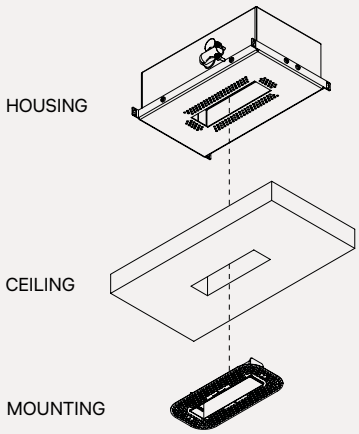
*Provide a minimum of 1⅞" (46 mm) on each side for the hanger bar fixations.

MODEL	HOUSING	CUT-OUT DIMENSIONS	CUT-OUT POSITIONS (A)[1]	OVERALL DIMENSIONS (BXC)[2]	HANGER BARS RANGE (D)[3,4]	ADJUSTABILITY (E)[5]	CLEARANCE (H)[6]
Trim	BI-LB05TR-IC/CP	1 ⅜" x 5 ⁹⁄₁₆" (35 x 141 mm)	6 ¼" (158 mm)	12 ⅜" x 6 ⅞" (314 x 173 mm)	14 ¼" to 26" (362 to 660 mm)	0" to 4 ⅝" (0 to 118 mm)	4 " (102 mm)
Trimless drywall mud	BI-LB05TL-IC/CP						
Trimless millwork, white	BI-LB05ML-IC/CP-01	1 ¼" x 5 ⅓" (32 x 135 mm)					
Trimless millwork, black	BI-LB05ML-IC/CP-02						

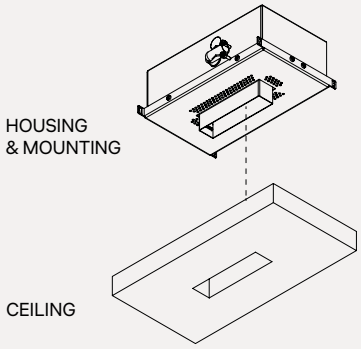
1 Remove ¹⁵⁄₁₆" (24 mm) for flush mount installation (Without adjustable support)
2 Remove 1 ¹³⁄₁₆" (46 mm) for flush mount installation.
3 Available on special demand : 9" (229 mm) to 15" (381 mm) hanger bar.
4 19" to 26" flush mount.
5 No adjustability for flush mount installation.
6 3 ½" (89 mm) for flush mount installation.

TRIMLESS MOUNTING OPTIONS

TRIMLESS DRYWALL MUD



TRIMLESS MILLWORK



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SPECIFICATIONS

LUMINAIRE CHARACTERISTICS

Source Power: 9.8W
System Power: 13W (source wattage) [1]
Lumens: 324 lm to 1028 lm (for 3000K, 92CRI)
Luminaire efficacy: up to 78 lm/W

SOURCE

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

LUMEN MAINTENANCE

90% of initial lumens at 50 000 hours (L90) (LM-80).

OPTICS

Low luminance: Spot 13°**(SP)**, flood 32°**(FL)**, wide flood 47°**(WF)** with diamond technology, general light pro **(GP)**, general light **(GL)**, wall washer **(WW)**, wall washer LGC **(WL)**, medium oval transversal **(TM)** or longitudinal **(LM)** and wide flood oval transversal **(TW)**or longitudinal **(LW)** optics with Opti Beam technology.

MATERIAL

SP- FL- WF (Optics)
Body and heat sink: Die-cast aluminum.
Reflector and baffle: Thermoplastic.
Housing: Galvanized steel.

WW-WL (Optics)
Body and heat sink: Die-cast aluminum.
Reflector and baffle: Aluminum and Polycarbonate.
Housing: Galvanized steel.
Diffuser: PMMA diffuser with ribbed texture.

GL (Optic)
Body and heat sink: Die-cast aluminum.
Diffuser: Frosted PMMA diffuser with linear optic.
Housing: Galvanized steel.

MOUNTING

New construction housing or chicago plenum rated housing, both suitable for insulated ceiling **(IC/CP)**.

ELECTRICAL

High efficiency LED driver ratings. 50.000 hours with insulation **(GL)**.

FINISH

Black (RAL9004), white (RAL9010) and gray (RAL9006) body with transparent baffle on page 2.

WEIGHT

ILB05: 0.66lb (0.30 kg) to 0.77lb (0.35 kg)

WARRANTY

5 year limited warranty.

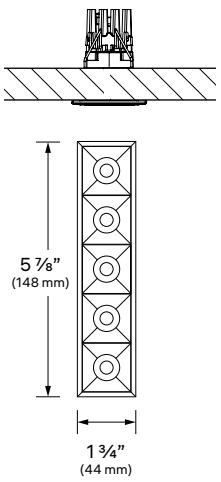
RATINGS

IP20.

CERTIFICATION

cULus listed for damp location. Interior use only.

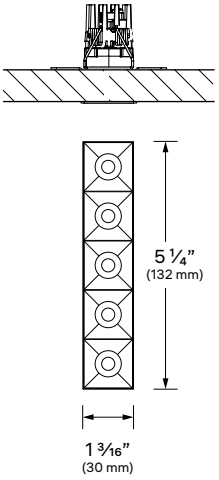
TRIM MODEL DIMENSIONS



SIDE VIEW

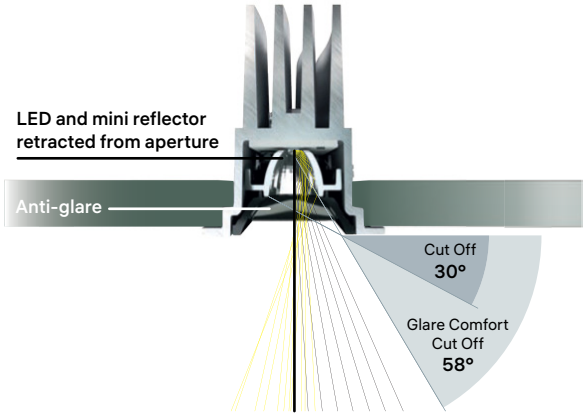
BOTTOM VIEW

TRIMLESS MODEL DIMENSIONS



VISUAL COMFORT

The innovative micro-reflector, with patented Opti Beam technology, generates pleasant lighting for the eye and the space. Visual comfort UGR < 10.



1 LED load requirement for one (1) fixture in watts (remote fixture only).

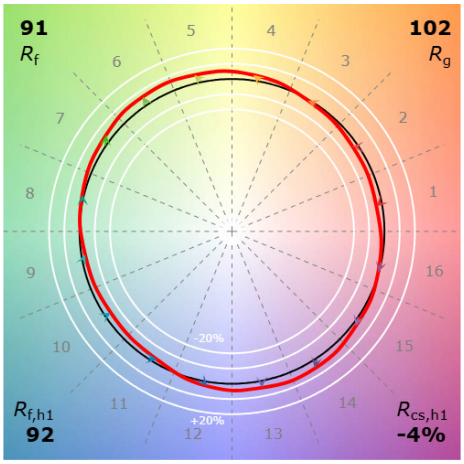
2 Not available for WW, WL and WF 47° Space

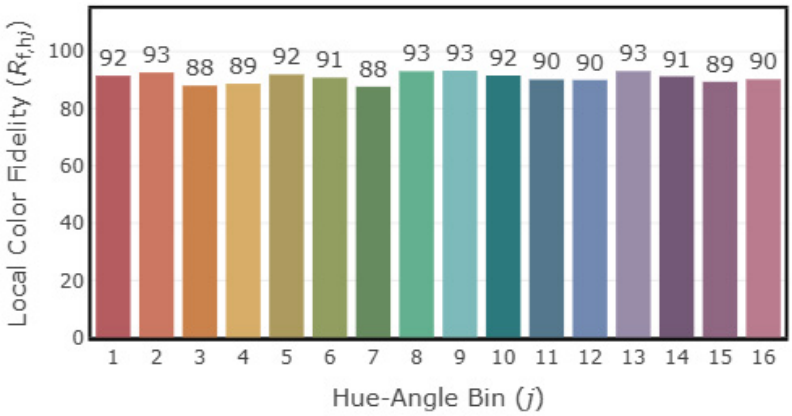
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Project: _____
Type: _____

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	92	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





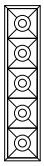
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Project: _____
Type: _____

PHOTOMETRIC DATA

ILB05

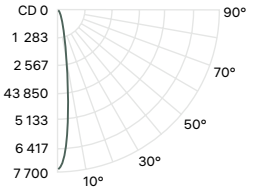


SP, FL, WF, GP, LM, TM, LW, TW.

CCT (K)	CRI	SYSTEM POWER (W)[1]	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000	92	13.0	Spot 13°	1 016	77	8 581	ILB05-030-SP
			Flood 32°	1 015	77	3 464	ILB05-030-FL
			Wide Flood 47°	1 028	78	1 738	ILB05-030-WF
			General Light Pro	919	70	1 226	ILB05-030-GP
			Medium Oval Longitudinal	907	69	1 512	ILB05-030-LM
			Medium Oval Transversal	883	67	1 406	ILB05-030-TM
			Wide Flood Oval Longitudinal	907	69	864	ILB05-030-LW
			Wide Flood Oval Transversal	907	69	856	ILB05-030-TW
			Wide Flood Space 47°	1 028	78	1 842	ILB05-030-WF-D8/83/24

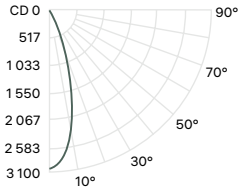
1 Data shown for the center of the spectrum (50% 2700K / 50% 6500K)

Spot 13°
(3000K, 92CRI)



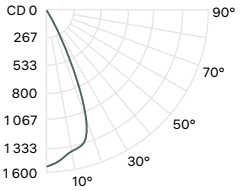
	-0° H	
	Center beam fc	Beam width ft
2ft	1 915	0.5
4ft	479	0.9
6ft	213	1.4
8ft	120	1.9
10ft	76.6	2.3
12ft	53.2	2.8

Flood 32°
(3000K, 92CRI)



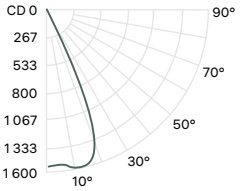
	-0° H	
	Center beam fc	Beam width ft
2ft	773	1.2
4ft	193	2.3
6ft	85.9	3.5
8ft	48.3	4.6
10ft	30.9	5.8
12ft	21.5	6.9

Wide Flood 47°
(3000K, 92CRI)



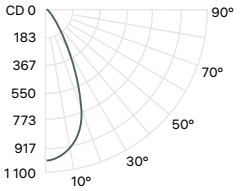
	-0° H	
	Center beam fc	Beam width ft
2ft	376	1.7
4ft	94.0	3.5
6ft	41.8	5.2
8ft	23.5	7.0
10ft	15.0	8.7
12ft	10.4	10.4

Wide Flood Space 47°
(3000K, 92CRI)



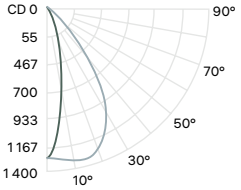
	-0° H	
	Center beam fc	Beam width ft
2ft	376	1.7
4ft	94.0	3.4
6ft	41.8	5.2
8ft	23.5	6.9
10ft	15.0	8.6
12ft	10.4	10.3

General Light Pro
(3000K, 92CRI)



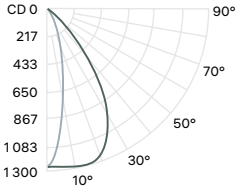
	-0° H	
	Center beam fc	Beam width ft
2ft	274	1.9
4ft	68.4	3.8
6ft	30.4	5.7
8ft	17.1	7.5
10ft	11.0	9.4
12ft	7.60	11.3

Medium Oval Long.
(3000K, 92CRI)



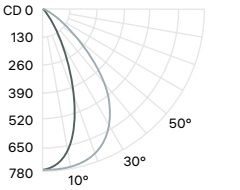
	-0° H		-90° H	
	Center beam fc	Beam width ft		
2ft	327	0.8	3.0	
4ft	76.8	1.5	6.0	
6ft	34.1	2.4	9.1	
8ft	19.2	3.2	12.1	
10ft	12.3	4.0	15.1	
12ft	8.53	4.8	18.1	

Medium Oval Tran.
(3000K, 92CRI)



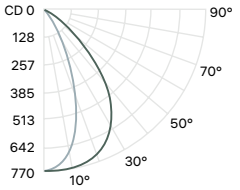
	-0° H		-90° H	
	Center beam fc	Beam width ft		
2ft	297	3.1	0.8	
4ft	74.3	1.6	1.5	
6ft	33.0	9.2	2.3	
8ft	18.6	12.3	3.1	
10ft	11.9	15.3	3.9	
12ft	8.28	18.4	4.6	

Wide Flood Oval Long.
(3000K, 92CRI)



	-0° H		-90° H	
	Center beam fc	Beam width ft		
2ft	191	1.5	3.5	
4ft	47.8	3.1	7.1	
6ft	21.2	4.6	10.6	
8ft	11.9	6.2	14.2	
10ft	7.64	7.7	17.7	
12ft	5.31	9.2	21.2	

Wide Flood Oval Tran.
(3000K, 92CRI)



	-0° H		-90° H	
	Center beam fc	Beam width ft		
2ft	187	3.6	1.5	
4ft	44.8	7.1	3.0	
6ft	20.8	10.7	4.5	
8ft	11.7	14.3	6.0	
10ft	7.49	17.9	7.6	
12ft	5.20	21.4	19.2	

CCT Options	2700K	3000K	3500K	4000K
CRI Options	92CRI	92CRI	92CRI	92CRI
Multiplier	**0.93**	**1**	**1.03**	**1.03**

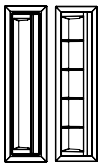
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Project: _____
Type: _____

PHOTOMETRIC DATA

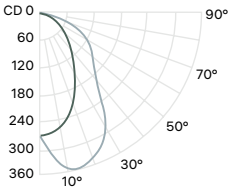
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WW WL

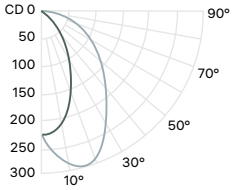
CCT (K)	CRI	SYSTEM POWER (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000	92	13.0	Wall Washer	420	32	355	ILB05-030-WW
			Wall Washer LGC	324	24	329	ILB05-030-WL

Wall Washer
(3000K, 92CRI)



	-0° H Center beam fc	-90° H Center beam fc	-0° H Beam width ft	-90° H Beam width ft
2ft	70.1		1.8	2.3
4ft	17.5		3.6	4.6
6ft	7.79		5.4	6.8
8ft	4.38		7.2	9.1
10ft	2.80		9.0	11.4
12ft	1.95		10.8	13.7

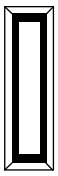
Wall Washer LGC
(3000K, 92CRI)



	-0° H Center beam fc	-90° H Center beam fc	-0° H Beam width ft	-90° H Beam width ft
2ft	57.8		1.9	1.8
4ft	14.5		3.8	3.7
6ft	6.43		5.7	5.5
8ft	3.61		7.6	7.4
10ft	2.31		9.4	9.2
12ft	1.61		11.3	11.1

CCT Options	2700K	3000K	3500K	4000K
CRI Options	92CRI	92CRI	92CRI	92CRI
Multiplier	**0.92**	**1**	**1.04**	**1.04**

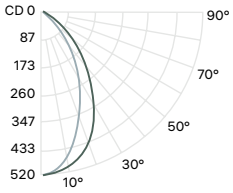
ILB05



GL

CCT (K)	CRI	SYSTEM POWER (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000	92	13.0	General Light	620	49	511	ILB05-030-GL

General Light
(3000K, 92CRI)



	-0° H Center beam fc	-90° H Center beam fc	-0° H Beam width ft	-90° H Beam width ft
2ft	128		2.0	2.9
4ft	31.9		4.0	5.7
6ft	14.2		6.0	8.6
8ft	7.98		8.0	11.4
10ft	5.11		10.0	14.3
12ft	3.55		12.0	17.2

CCT Options	3000K	3500K	4000K
CRI Options	92CRI	92CRI	92CRI
Multiplier	**1**	**1.05**	**1.10**

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