

LASER BLADE

WALL WASHER - NEW CONSTRUCTION WITH HOUSING - REMOTE

Type:

Project :

SPECIFICATION SHEET

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Laser blade offers miniaturized dimensions with high performance acrylic diffuser integrated in a polycarbonate baffle for maximized visual comfort and a die-cast aluminum heat sink. The special configuration of this optical system delivers an asymmetrical wall washing distribution.

NOW ASSEMBLED IN NORTH AMERICA.

Luminaire characteristic:

Power input: 9.8W to 29W (source wattage)
Lumens: 336lm to 1240lm (for 3000K, 92CRI)
Luminaire efficacy: up to 42lm/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:

Asymmetric wall washer and wall washer LGC (longitudinal glare control).

Material:

Body and heat sink: Die-cast aluminum
Reflector: Aluminum
Baffle: Polycarbonate
Diffuser: PMMA diffuser with ribbed texture
Housing: Galvanized steel

Mounting:

New construction housing suitable for insulated ceiling.

Electrical:

High efficiency LED driver, rated at 50 000 hours.
See remote LED driver options on page 3.

Finish:

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

Weight:

ILB05: 0.77lbs (0.35kg)
ILB10: 1.43lbs (0.65kg)
ILB15: 1.92lbs (0.87kg)

Warranty:

5 year limited warranty.

Ratings:

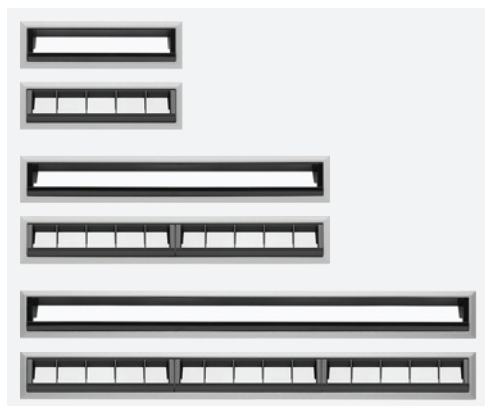
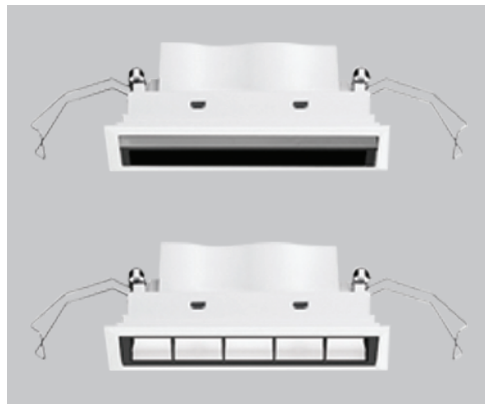
IP20, IP43 (from under the ceiling)

Certification:



cULus listed for damp location. Interior use only.

Assembled in North America.



ORDERING INFO

ILB - **IC** - **REM** -
FIXTURE

BI - LB - **IC - REM**
HOUSING

MODEL

☐ **05** - Five

☐ **10** - Ten

☐ **15** - Fifteen

MOUNTING

☐ **TR** - Trim

☐ **TL** - Trimless

INSTALLATION TYPE

☒ **IC** - Insulated ceiling

LED

☐ **027** - 2700K, 92CRI⁽¹⁾
☐ **030** - 3000K, 92CRI⁽¹⁾
☐ **035** - 3500K, 92CRI⁽¹⁾
☐ **040** - 4000K, 92CRI⁽¹⁾

OPTIC

☐ **WW** - Wall washer

☐ **WL** - Wall washer LGC (longitudinal glare control)

VOLTAGE

☒ **REM** - Remote

☐ **POE** - Power over ethernet. (consult customer service)

FINISH (trim finish / baffle finish)


Black baffle

White trim

☐ **01** - White/Black

Gray trim

☐ **10** - Gray/Black

Black trim

☐ **02** - Black/Black

Trimless

☐ **02** - Black

⁽¹⁾ 92CRI typical - 90CRI minimum.

ACCESSORIES (TO BE ORDERED SEPARATELY)

Available only for trim mounting.

Anti-glare screen

☐ **I.MXP7-02** - For laser blade 05

☐ **I.MXP8-02** - For laser blade 10

☐ **I.MXP9-02** - For laser blade 15


REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

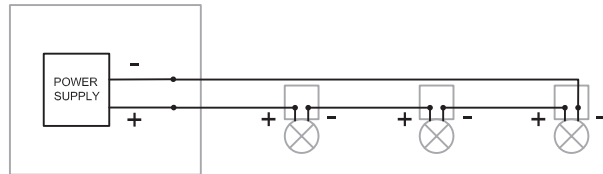
							ILB05 10W*	ILB10 21W*	ILB15 31W*
Watts	Voltage	Rated	Dimming protocol	Dimming range	Dimensions	Max distance**	Min-max units		
<input type="checkbox"/> 4450-0700-012-120-LTE							1		
12	120V	Indoor	Leading and trailing edge (ELV and TRIAC)	Down to $\pm 15\%$	8" x 8" x 4" (203 x 203 x 102mm)	30ft(9m)			
<input type="checkbox"/> 4443-0700-014-UNV-D2							1		
14	120-277V	Indoor	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to $\pm 1\%$	5" x 4" x 3" (127 x 102 x 76mm)	30ft(9m)			
<input type="checkbox"/> 4444-0700-022-120-LTE							1-2	1	
22	120V	Indoor	Leading and trailing edge (ELV and TRIAC)	Down to $\pm 15\%$	6" x 4" x 3" (152 x 102 x 76mm)	30ft(9m)			
<input type="checkbox"/> 4443-0700-025-UNV-D2							2	1	
25	120-277V	Indoor	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to $\pm 1\%$	5" x 4" x 3" (127 x 102 x 76mm)	30ft(9m)			
<input type="checkbox"/> 4450-0700-030-UNV-SD10							1-2	1	
30	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to $\pm 0.1\%$	8" x 8" x 4" (203 x 203 x 102mm)	118ft(36m)			
<input type="checkbox"/> 4443-0700-035-UNV-D2							3		1
35	120-277V	Indoor	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to $\pm 1\%$	5" x 4" x 3" (127 x 102 x 76mm)	30ft(9m)			
<input type="checkbox"/> 4445-0700-040-120-LTE							3		1
40	120V	Indoor	Leading and trailing edge (ELV and TRIAC)	Down to $\pm 15\%$	6" x 6" x 3" (152 x 152 x 76mm)	30ft(9m)			
<input type="checkbox"/> 4450-0700-038-UNV-ED10							1-3	1	1
38	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to $\pm 1\%$	8" x 8" x 4" (203 x 203 x 102mm)	118ft(36m)			
<input type="checkbox"/> 4448-0700-100-UNV-SD10 (4 channels)							1-8 ⁽¹⁾ 2 per channel	1-4 ⁽¹⁾ 1 per channel	1-3 ⁽¹⁾ 1 per channel
100	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to $\pm 0.1\%$	10" x 8" x 4" (254 x 203 x 102mm)	118ft(36m)			

* Wattage requirement for one (1) fixture (Remote fixture only).

** Calculated for 16AWG cable. Contact customer service for longer remote distance.

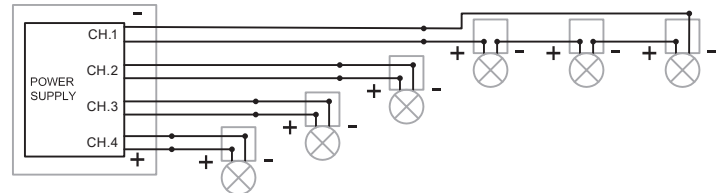
WIRING DIAGRAMS

Multiple luminaires must be connected in series (home run or fixture chain)



⁽¹⁾ Luminaires must be connected on separate channels (1-4).

Multiple luminaires can be connected in series on a channel (home run or fixture chain). Do not exceed the wattage and voltage range on each channel.



INSTALLATION OPTIONS

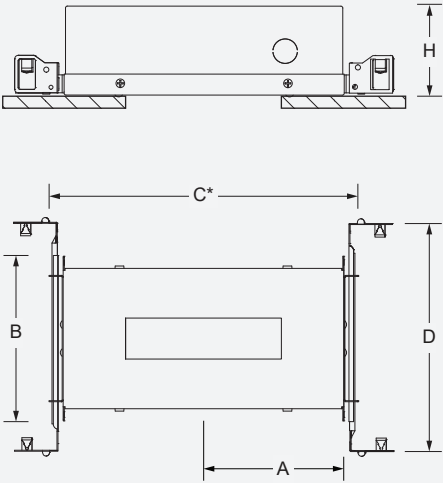
New construction with housing (IC)

New construction housing with hanger bars system to be installed during rough-in phase. This installation is suitable for insulated or non-insulated ceiling. housing and trim can be shipped separately.

Ceiling thickness:

Trim: 1⁄8" - 1 1⁄8" (3mm - 29mm)

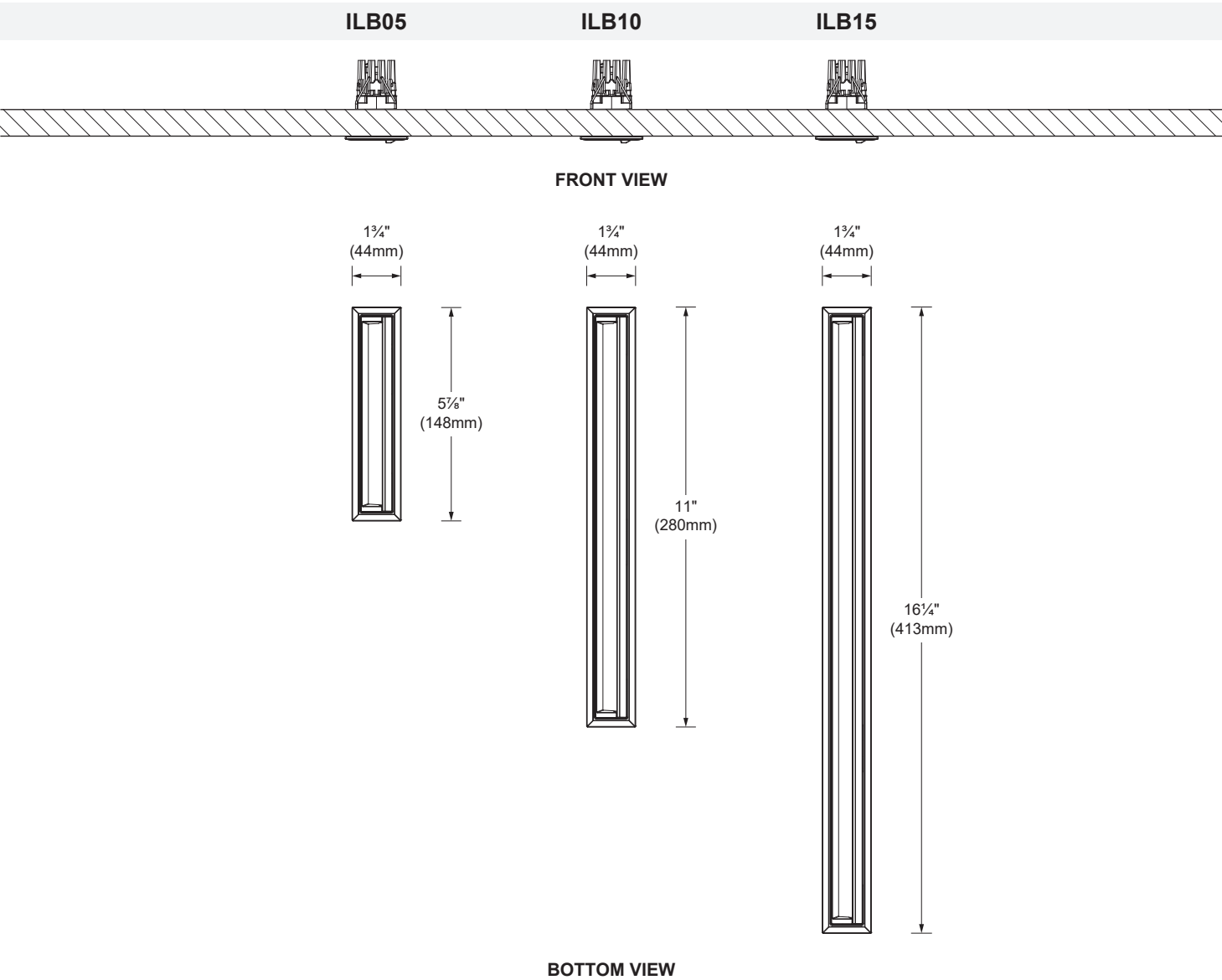
Trimless: 5⁄8" (16mm)



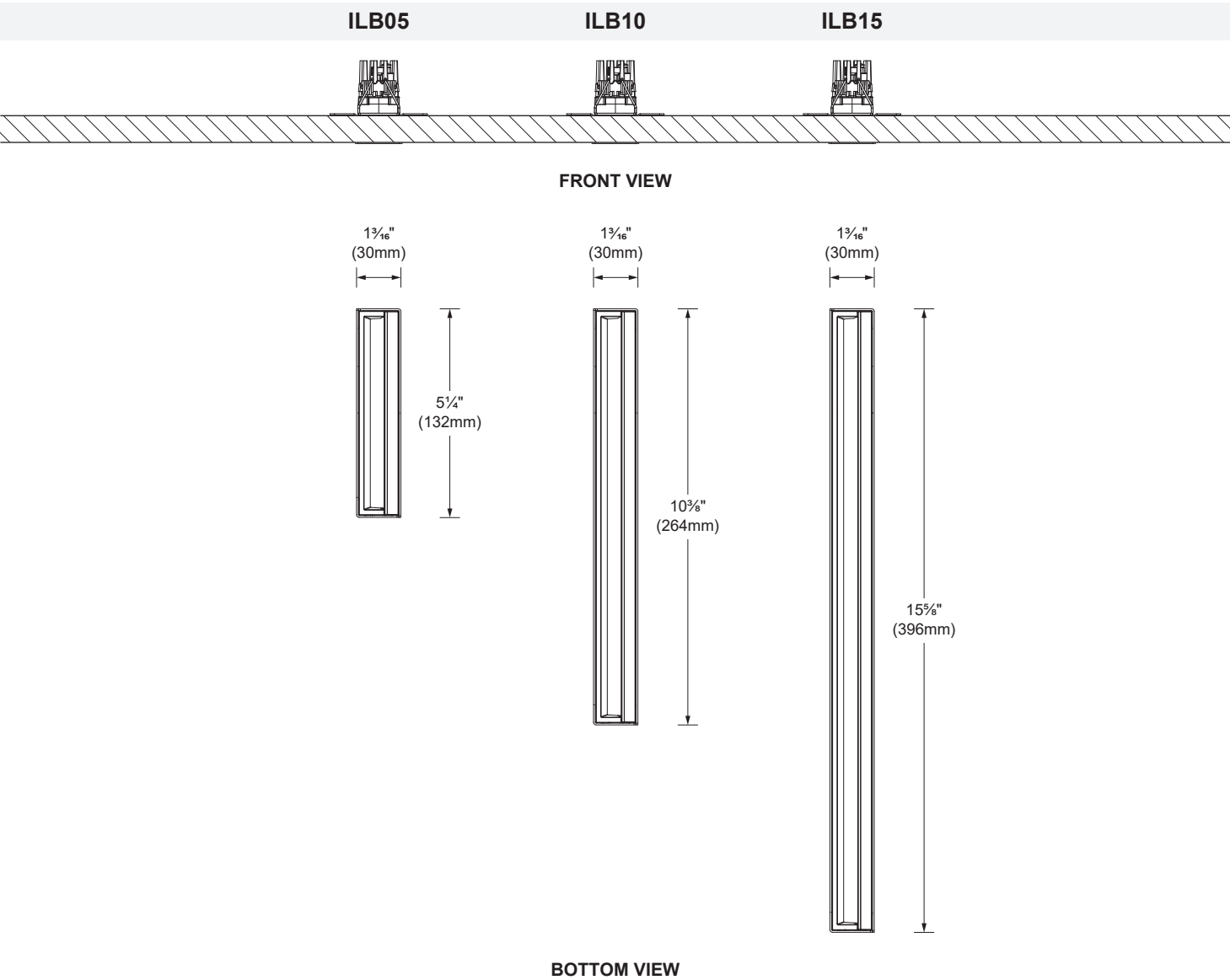
*Provide a minimum of 1⁄8" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
ILB05	BI-LB05TR-IC-REM	1 1⁄2" x 5 5⁄16" (37 x 141mm)	5 1⁄4" (133mm)	5 7⁄8" x 11" (150 x 280mm)	9" to 15 1⁄4" (229 to 387mm)	3 3⁄16" (81mm)
	BI-LB05TL-IC-REM	1 3⁄8" x 5 5⁄16" (35 x 141mm)				
ILB10	BI-LB10TR-IC-REM	1 1⁄2" x 10 13⁄16" (37 x 274mm)	8 7⁄8" (223mm)	6 5⁄8" x 18 1⁄2" (173 x 460mm)	14 1⁄4" to 26" (362 to 660mm)	3 1⁄2" (89mm)
	BI-LB10TL-IC-REM	1 3⁄8" x 10 3⁄4" (35 x 271mm)				
ILB15	BI-LB15TR-IC-REM	1 1⁄2" x 16" (37 x 406mm)	13 1⁄8" (332mm)	9 1⁄2" x 25" (242 x 635mm)		
	BI-LB15TL-IC-REM	1 3⁄8" x 15 15⁄16" (35 x 404mm)				

TRIM MODELS DIMENSIONS



TRIMLESS MODELS DIMENSIONS

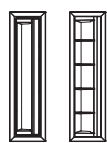


LED COLOR FIDELITY DATA

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

PHOTOMETRIC DATA

ILB05

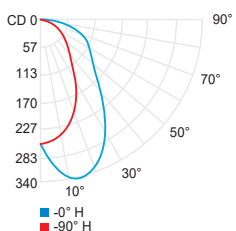


WW WL

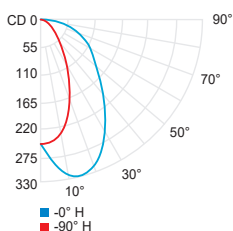
CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODELS
3000K	92	9.8W	Wall washer	420	42	338	ILB05-030-WW
			Wall washer LGC (longitudinal glare control)	336	35	325	ILB05-030-WL

*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

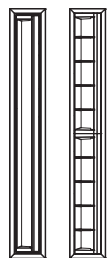
Wall washer (3000K, 92CRI)



Wall washer LGC (3000K, 92CRI)



ILB10

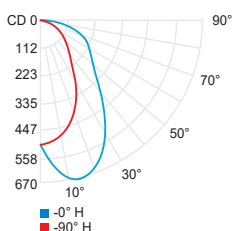


WW WL

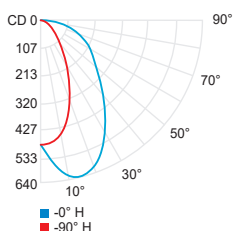
CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODELS
3000K	92	20W	Wall washer	820	41	661	ILB10-030-WW
			Wall washer LGC (longitudinal glare control)	656	32	636	ILB10-030-WL

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Wall washer (3000K, 92CRI)



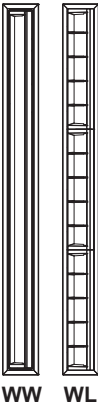
Wall washer LGC (3000K, 92CRI)



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

PHOTOMETRIC DATA

ILB15

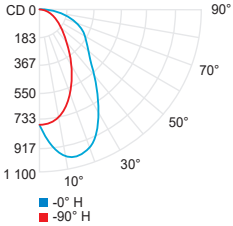


WW WL

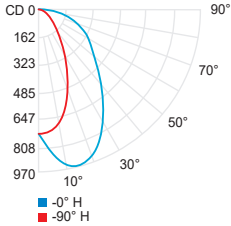
CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODELS
3000K	92	29W	Wall washer	1 240	42	1 001	ILB15-030-WW
			Wall washer LGC (longitudinal glare control)	992	34	961	ILB15-030-WL

*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

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	1.03	1.08