

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:

Remodel suitable for insulated ceiling.
New construction plaster frame suitable for insulated ceiling.
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: 0.77lb (0.35kg)
ILB10: 1.43lb (0.65kg)
ILB15: 1.92lb (0.87kg)

Warranty:

5 year limited warranty.

Ratings:

IP20, IP43 (from under the ceiling)

Certification:

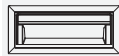


cULus listed for damp location. Interior use only.

Assembled in North America.

ORDERING INFO



PRODUCT CODE			INSTALLATION CODE			
MODEL	MOUNTING	INSTALLATION	LED	OPTIC	VOLTAGE	FINISH (trim finish / baffle finish)
ILB05 05 cells	TR Trim	RF ¹ Remodel	027 ³ 2700K, 92CRI	WW Wall washer	REM Remote	TRIM
ILB10 10 cells	TL Trimless	NC ¹ New construction plaster frame	030 ³ 3000K, 92CRI	WL Wall washer LGC (Longitudinal glare control)	<input type="checkbox"/> POE Power over ethernet. (consult customer service)	01 White / black
ILB15 15 cells		IC New construction insulated ceiling	035 ³ 3500K, 92CRI			02 Black / black
		UC ² Undercabinet	040 ³ 4000K, 92CRI			10 Gray / black
						TRIMLESS
						02 Black
						Black baffle 

¹ Available for 05 cells (**05**) model.
² Only available with trim (**TR**) mounting.
³ 92CRI typical - 90CRI minimum.

ACCESSORIES (TO BE ORDERED SEPARATELY)

Available only for trim mounting.

Anti-glare screen

- ☐ **IMXP7-02** - For laser blade 05 cells.
☐ **IMXP8-02** - For laser blade 10 cells.
☐ **IMXP9-02** - For laser blade 15 cells.



REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

PRODUCT CODE

Indoor rated drivers

Driver box model	Min-max units		
	ILB05 9.8W*	ILB10 20W*	ILB15 29W*
4450-0700-012-120-LTE	1		
4443-0700-014-UNV-D2	1		
4444-0700-022-120-LTE	1-2	1	
4443-0700-025-UNV-D2	2	1	
4450-0700-030-UNV-SD10	1-2	1	
4443-0700-035-UNV-D2	3		1
4445-0700-040-120-LTE	3		1
4450-0700-038-UNV-ED10	1-3	1	1
4448-0700-100-UNV-SD10 (4 channels)	1-8 2 max. per channel	1-4 1 max. per channel	1-3 1 max. per channel

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

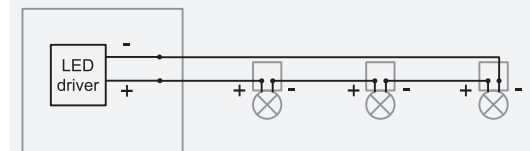
DRIVER CODE SELECTION

MODEL	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
4443 5" x 4" x 3" (127 x 102 x 76mm)	0700 700mA	012 to 100 12W to 100W	120 120V	D2 Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) Max distance: 9m (30ft)* (down to 1%)
4444 6" x 4" x 3" (152 x 102 x 76mm)			UNV 120-277V	ED10 0-10V ELDOLED ECOdrive Max distance: 36m (118ft)* (down to 1%)
4445 6" x 6" x 3" (152 x 152 x 76mm)				SD10 0-10V ELDOLED SOLOdrive Max distance: 36m (118ft)* (down to 0.1%)
4448 10" x 8" x 4" (254 x 203 x 102mm)				LTE Leading edge and trailing edge (ELV and TRIAC) Max distance: 9m (30ft)* (down to 15%)
4450 8" x 8" x 4" (203 x 203 x 102mm)				

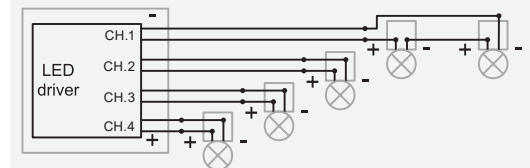
*Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

WIRING DIAGRAMS

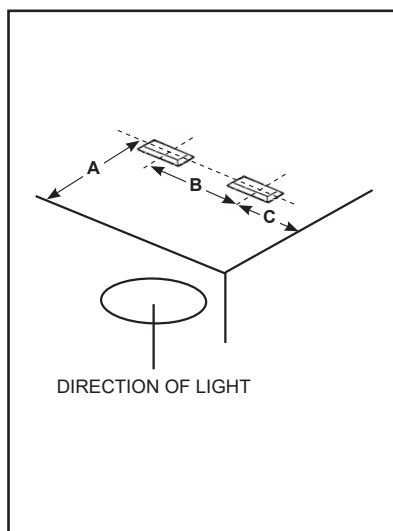
Multiple luminaires must be connected in series (home run or fixture chain)



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.



SPACING



WW WALL WASHER WL WALL WASHER LONGITUDINAL		SUGGESTED		
		In (mm)		
		A mm	B mm	C mm
ILB05-TL-XX-XXX-WW ILB05-TR-XX-XXX-WW	MQ67 - MQ68 - MQ69 - MQ70 - P194 - P146 - P147 - EK79 EK80 - R582 - R583 - R584 - R585 - R586 - R587 - R588 RB72 - RB73	32" (800mm)	32" (800mm)	16" (400mm)
ILB10-TL-XX-XXX-WW ILB10-TR-XX-XXX-WW ILB15-TL-XX-XXX-WW ILB15-TR-XX-XXX-WW	MQ71 - MQ72 - P148 - P195 - MQ73 - MQ74 - P149 - P196 EK81 - EK82 - R589 - R590 - R591 - R592 - R593 - R594 R595 - R596 - RB74 - RB75	40" (1000mm)	40" (1000mm)	20" (500mm)
ILB05-TL-XX-XXX-WL ILB05-TR-XX-XXX-WL	QD29 - QD30 - QD31 - QD32 - QD33 - QD34 - QD35 - EK71 EK72 - R364 - QX83 - QX84 - QX85 - QX86 - QX87 - QX88 RB64 - RB65	32" (800mm)	24" (600mm)	12" (300mm)
ILB10-TL-XX-XXX-WL ILB10-TR-XX-XXX-WL	QD36 - QD37 - QD38 - QD39 - EK73 - R365 - R366 - R367 R368 - RB66	40" (1000mm)	30" (750mm)	15" (375mm)
ILB15-TL-XX-XXX-WL ILB15-TR-XX-XXX-WL	QD40 - QD41 - QD42 - QD43 - EK74 - R369 - R370 - R371 R372 - RB67	40" (1000mm)	30" (800mm)	16" (400mm)

INSTALLATION

Remodel (RF)

Versatile fixture for new or existing ceiling structure. Suitable for insulated or non-insulated ceiling assemblies, like sheetrock, or paneling. Fixture is ready for remodeling installation. Trimless frame and fixture can be shipped separately.

Ceiling thickness:

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



Model		Trimless frame	Cut-out dimensions	Clearance (H)
ILB05	TR		1 1/2" x 5 5/8" (37 x 141mm)	2 1/2" (64mm)
	TL	TK-LB05TL-RF*	1 3/8" x 5 5/8" (35 x 141mm)	

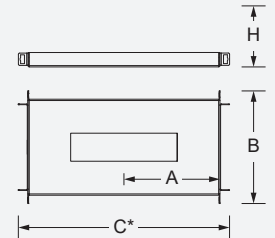
*Can be installed from below the ceiling.

New construction with plaster frame (NC)

Plaster frame with hanger bars system to be installed during rough-in phase. Suitable for insulated or non-insulated ceiling assemblies, like sheetrock, or paneling. Plaster frame and trim can be shipped separately.
(Power supply is not accessible from luminaire opening)

Ceiling thickness:

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



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

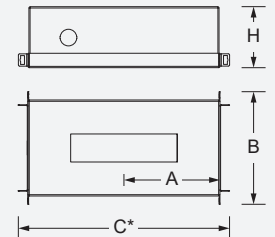
Model	Plaster frame	Cut-out dimensions	Cut-out positions (A)	Overall dimensions (BxC)	Hanger bars range (D)	Clearance (H)
ILB05	BN-LB05TR-NC	1 1/2" x 5 5/8" (37 x 141mm)	5 1/4" (133mm)	5 5/8" x 11" (150 x 280mm)	9" to 15 1/4" (229 to 387mm)	2 1/2" (64mm)
	BN-LB05TL-NC	1 3/8" x 5 5/8" (35 x 141mm)				

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.
(Power supply is not accessible from luminaire opening)

Ceiling thickness:

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



*Provide a minimum of 1 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)
ILB05	BI-LB05TR-IC-REM	1½" x 5⅝" (37 x 141mm)	5¼" (133mm)	5⅝" x 11" (150 x 280mm)	14¼" to 26" (362 to 660mm)	3⅜" (81mm)
	BI-LB05TL-IC-REM	1⅝" x 5⅝" (35 x 141mm)				
ILB10	BI-LB10TR-IC-REM	1½" x 10⅜" (37 x 274mm)	8⅞" (223mm)	5⅝" x 18⅞" (144 x 430mm)		3½" (89mm)
	BI-LB10TL-IC-REM	1⅝" x 10⅜" (35 x 271mm)				
ILB15	BI-LB15TR-IC-REM	1½" x 16" (37 x 406mm)	13⅝" (332mm)	9½" x 25" (242 x 635mm)		
	BI-LB15TL-IC-REM	1⅝" x 15⅞" (37 x 404mm)				

Under cabinet installation (UC)

Low profile installation in confined spaces, such as cabinets, shelves and closets. Not suitable for ceiling installation.
(Power supply is not accessible from luminaire opening)

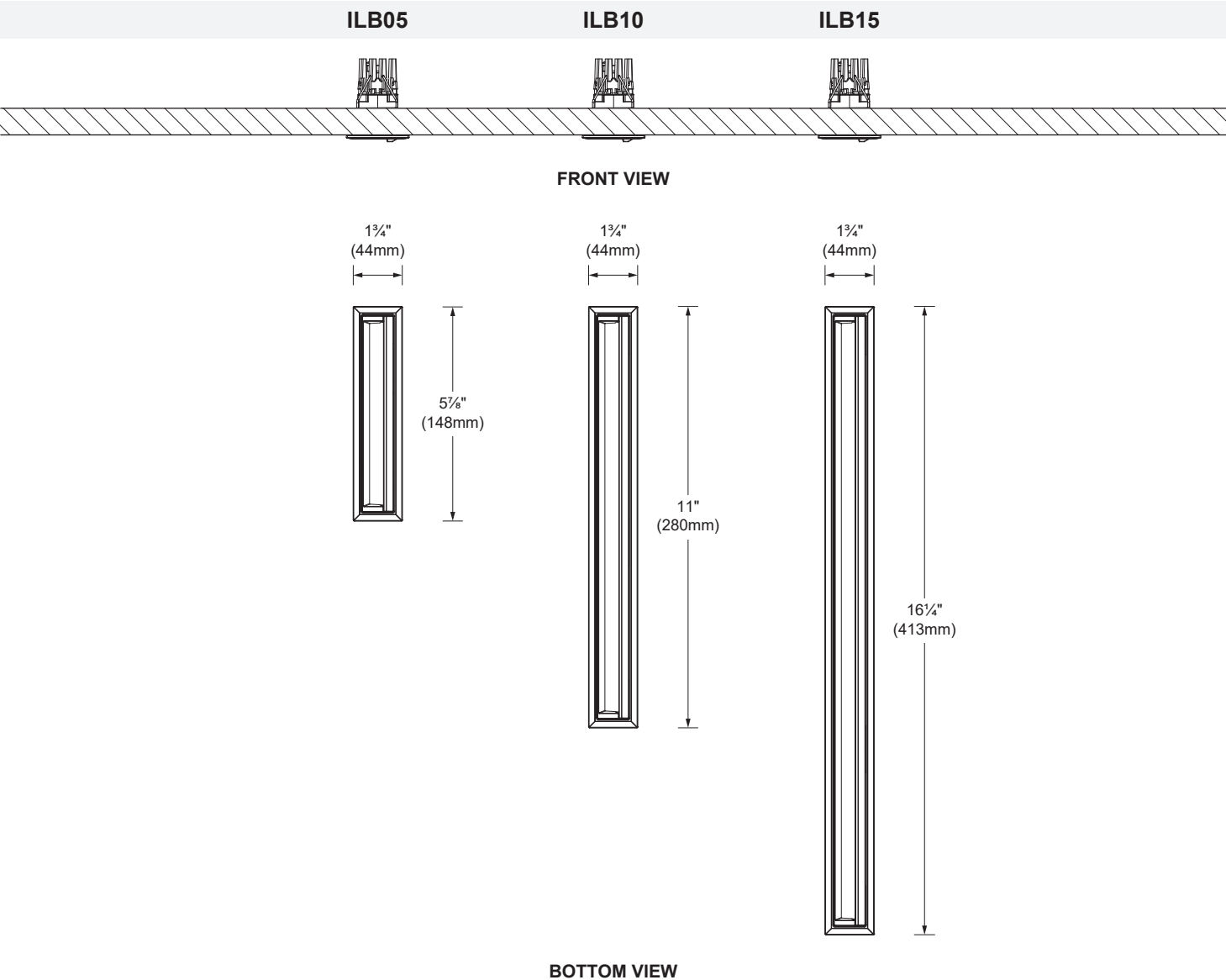
Surface thickness:

1/8" to 1 1/8" (3mm to 29mm)

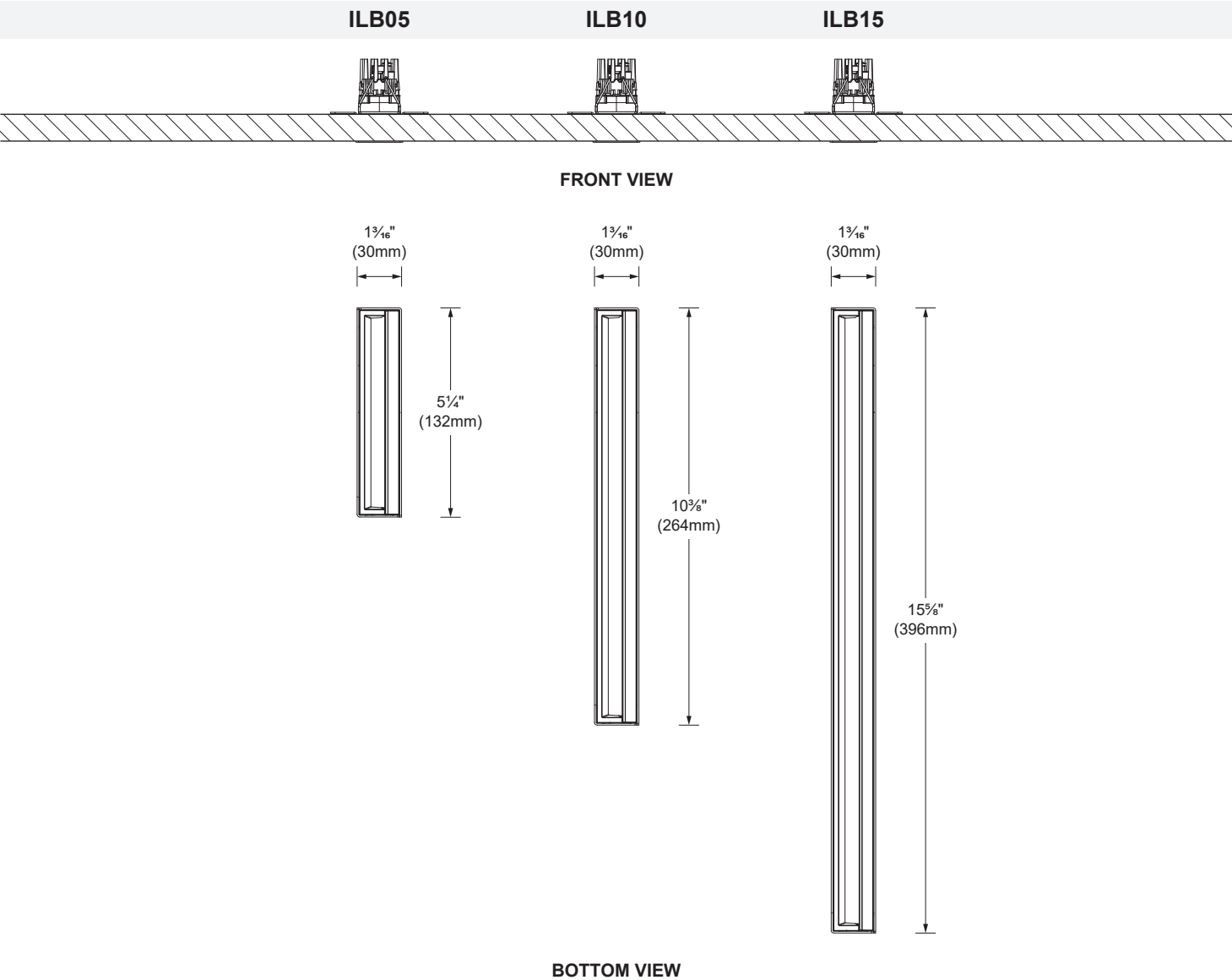


Model		Cut-out dimensions	Clearance (H)
ILB05	TR	1 1/2" x 5 5/8" (37 x 141mm)	2 1/2" (64mm)
ILB10	TR	1 1/2" x 10 9/16" (37 x 274mm)	
ILB15	TR	1 1/2" x 16" (37 x 406mm)	

TRIM MODELS DIMENSIONS



TRIMLESS MODELS DIMENSIONS

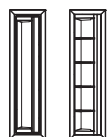


LED COLOR FIDELITY DATA

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

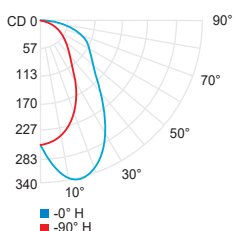


WW WL

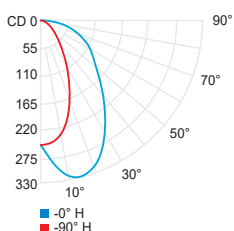
CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODELS
3000K	92	9.8W	Wall washer	420	42	338	ILB05-030-WW
			Wall washer LGC (longitudinal glare control)	336	35	325	ILB05-030-WL

*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.

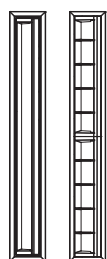
Wall washer (3000K, 92CRI)



Wall washer LGC (3000K, 92CRI)



ILB10

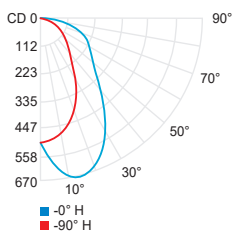


WW WL

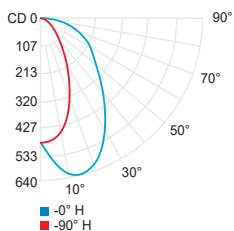
CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODELS
3000K	92	20W	Wall washer	820	41	661	ILB10-030-WW
			Wall washer LGC (longitudinal glare control)	656	32	636	ILB10-030-WL

*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)



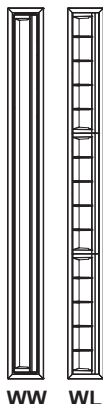
Wall washer LGC (3000K, 92CRI)



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

PHOTOMETRIC DATA

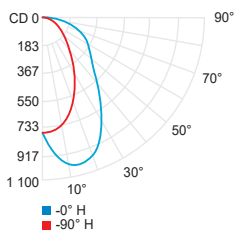
ILB15



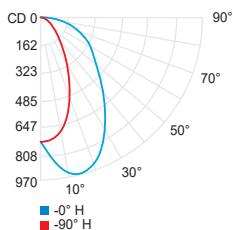
CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODELS
3000K	92	29W	Wall washer	1 240	42	1 001	ILB15-030-WW
			Wall washer LGC (longitudinal glare control)	992	34	961	ILB15-030-WL

*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