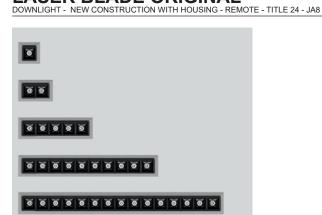
SPECIFICATION SHEET

Type: Project :

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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 2583 lumens and excellent chromatic performance .

				- 1				- 45	
L	um	ına	ıre	cr	ıar	acı	ceri	Sti	C:

	Power input: 2W to 29W (source wattage) Lumens: 170lm to 2542lm (for 3000K, 92CRI) Luminaire efficacy: up to 87lm/W
Source:	White LED module (LM-80)
	2700K: 92CRI (90CRI min),
	3000K: 92CRI (90CRI min),
	3500K: 92CRI (90CRI min),
	4000K: 92CRI (90CRI min).

umen maintenance:	90% of initial lumens	at 50 000 ho	ours (L90) (LM-79).
-------------------	-----------------------	--------------	---------------------

Low luminance: Spot, 1100d, wide 1100d, 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 with housing for insulated ceiling,
	Chicago plenum and airtight applications.

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)
	(page 2).

Neight:	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.
warranty:	o year illilled warranty.

Ratings:	IP20, IP23 (from under the ceiling)
----------	-------------------------------------

#### Certification:



cULus listed for damp location. Interior use only.



Title 24-JA8-2019 high efficiency luminaire. Airtight luminaire less than 2 cfm leakage @1.57PSI per ASTM E283.

To confirm which versions are certified, please consult the "Applicance Advanced Search" option at the following adress: https://cacertappliances.energy.ca.gov

Assembled in North America.

Type: Page: 2 of 11 Project:

#### **ORDERING INFO**





				INSTALLATION CODE			
MODEL	MOUNTING	INSTALLATION	LED	OPTIC	VOLTAGE	FINISH (trim finish / baffle finish*)	
ILB01 01 cell	TR Trim	<b>AT</b> <sup>1</sup> Airtight housing	<b>027</b> <sup>2</sup> 2700K, 92CRI	SP <sup>3</sup> Spot 13°	REM Remote	TRIM	
ILB02 02 cells	TL Trimless		<b>030</b> <sup>2</sup> 3000K, 92CRI	FL <sup>3</sup> Flood 32°		<b>01</b> White / black	
ILB05 05 cells			<b>035</b> <sup>2</sup> 3500K, 92CRI	<b>WF</b> Wide flood 47°		<b>31</b> White / white	
ILB10 10 cells			<b>040</b> <sup>2</sup> 4000K, 92CRI	<b>GP</b> <sup>3</sup> General light pro		02 Black / black	
ILB15 15 cells				LM <sup>4</sup> Medium oval		<b>10</b> Gray / black	
				longitudinal		TRIMLESS	
				TM <sup>4</sup> Medium oval transversal		<b>31</b> White	
				LW <sup>5</sup> Wide flood oval longitudinal		<b>02</b> Black	
				TW <sup>5</sup> Wide flood oval transversal			
						Black baffle	
						White baffle	

- Airtight luminaire less than 2 cfm leakage @1.57PSI per ASTM E283.
   92CRI typical 90CRI minimum.
   Available with 05 cells (05), 10 cells (10) and 15 cells (15) models.
   Available with 05 cells (05) model.
   Available with 05 cells (05) and 10 cells (10) models.
   Custom baffle finish available, contact customer service for details.



Type: Project: Page: 3 of 11

# DOWNLIGHT - NEW CONSTRUCTION WITH HOUSING - REMOTE - TITLE 24 - JA8 REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

PRODUCT CODE (COMPLETE ON THE PREVIOUS PAGE)

#### Indoor rated drivers

		Min-max units							
Driver box model	ILB01 2W*	ILB02 3.8W*	ILB05 9.8W*	ILB10 20W*	ILB15 29W*				
4443-0700-025-UNV-D2	8-11	4-5	2	1					
4450-0700-030-UNV-SD10	1-12	1-6	1-2	1					
4443-0700-035-UNV-D2	12-15	6-7	3		1				
4450-0700-038-UNV-SD10	1-16	1-8	1-3	1	1				
4450-0700-038-UNV-ED10	1-16	1-8	1-3	1	1				

<sup>\*</sup> Wattage requirement for one (1) fixture (remote fixture only).

#### **DRIVER CODE SELECTION**

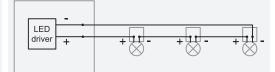
Complete the ordering info to activate the driver code selection menu.

MODEL	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
4443 5" x 4" x 3" (127 x 102 x 76mm) 4450 8" x 8" x 4" (203 x 203 x 102mm)	<b>0700</b> 700mA	<b>025 to 038</b> 25W to 038W	UNV 120-277V	D2 Lutron Hi Lume® 1% EcoSystem <sup>T</sup> (Soft-on, Fade to Black) Max distance: 9m (30ft)** (down to 1%)  ED10 0-10V ELDOLED ECOdrive Max distance: 36m (118ft)** (down to 1%)  SD10 0-10V ELDOLED SOLOdrive Max distance: 36m (118ft)** (down to 0.1%)

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

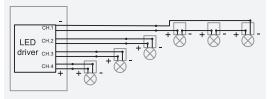
#### WIRING DIAGRAMS

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.



9320 Boul. St-Laurent, suite 100, Montréal (Québec) Canada H2N 1N7, P.: 514.523.1339 F.: 514.525.6107 www.iguzzini.com/us

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#### DOWNLIGHT - NEW CONSTRUCTION WITH HOUSING - REMOTE - TITLE 24 - JA8

#### **INSTALLATION**

# New construction with airtight (AT) housing.

Housing with hanger bars system for new construction installations. Suitable for insulated ceiling, chicago plenum and airtight applications. Housing can be shipped separately.

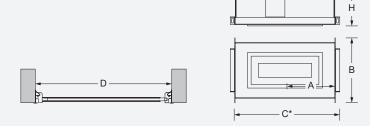
#### Ceiling thickness:

Trim: 1/8" to 11/8" (3mm - 29mm) Trimless: 5/8" (16mm)

Total weight: 2.65lbs (1.20kg)

Certification: Airtight housing (AT) certified less than 2 cfm leakage

@ 1.57PSI per ASTM E283.



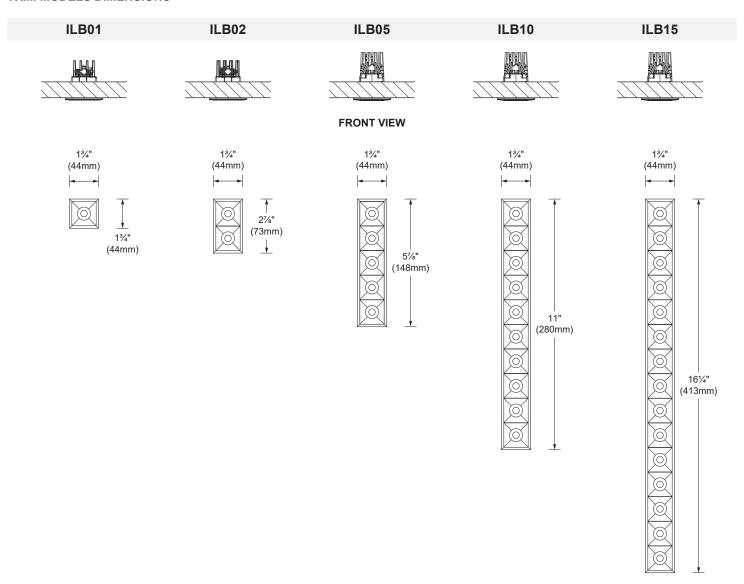
\*Provide a minimum of 11%" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out positions (A)	Overall dimensions (BxC)	Hanger bars range (D)	Clearance (H)
ILB01	BI-LB01TR-AT-REM	1%" x 1%" (35 x 35mm)	6%" (174mm)			
ILBUI	BI-LB01TL-AT-REM	178 X 178 (33 X 3311111)	0/8 (1/4/11/11)			
ILB02	BI-LB02TR-AT-REM	1%" x 2½" (35 x 64mm)	65/46" (160mm)	6% x 11½ (167 x 292mm)		3½" (89mm)
ILBUZ	BI-LB02TL-AT-REM	178 X 272 (33 X 04111111)	U/16 (100111111)	0/16 X 11/2 (107 X 292111111)		
ILB05	BI-LB05TR-AT-REM	1½" x 5% (37 x 141mm)	5¼" (133mm)		141/4" to 26" (362 to 660mm)	
ILB03	BI-LB05TL-AT-REM	13/6" x 59/16" (35 x 141mm)	3/4 (13311111)		14/4 to 20 (302 to 00011111)	
ILB10	BI-LB10TR-AT-REM	1½" x 10 <sup>13</sup> / <sub>16</sub> " (37 x 274mm)	8¾" (223mm)	6½" x 21% (166 x 540mm)		
ILDIV	BI-LB10TL-AT-REM	1%" x 10 <sup>13</sup> / <sub>16</sub> " (35 x 271mm)	078 (22311111)	0/2 X 21/16 (100 X 540111111)		
ILB15	BI-LB15TR-AT-REM	1½" x 16" (37 x 406mm)	131/8" (332mm)	91/4" x 283//6" (238 x 716mm)		
ILDIO	BI-LB15TL-AT-REM	13/8" x 1515/16" (37 x 404mm)	13/8 (33211111)	974 X 26716 (236 X 7 10111111)		

LASER BLADE ORIGINAL
DOWNLIGHT - NEW CONSTRUCTION WITH HOUSING - REMOTE - TITLE 24 - JA8 Type: SPECIFICATION SHEET

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## TRIM MODELS DIMENSIONS

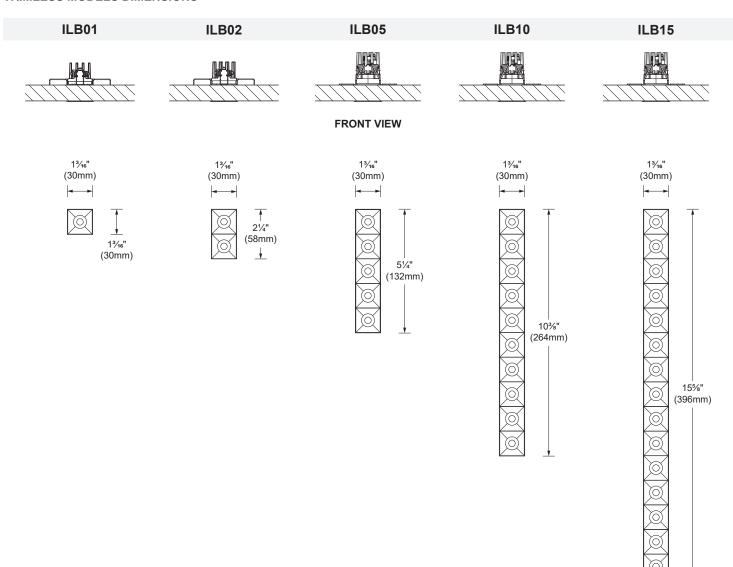


# **BOTTOM VIEW**

SPECIFICATION SHEET

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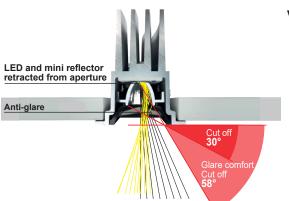
## TRIMLESS MODELS DIMENSIONS



## **BOTTOM VIEW**

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Project :



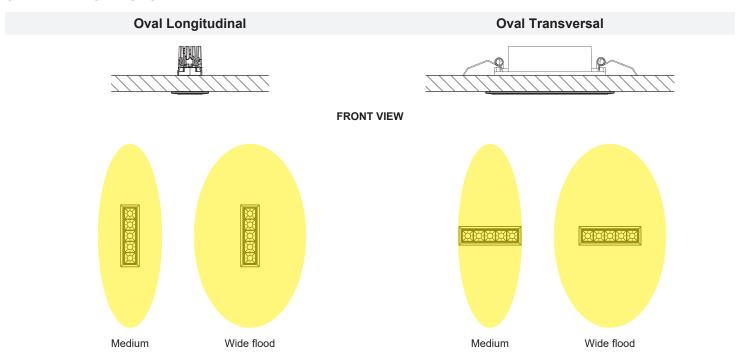
## Visual comfort UGR < 10.

Type:

## **LED COLOR FIDELITY DATA**

CRI	ССТ	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
	2700K	92	96	98	91	91	95	91	79	55	89	92	86	93	98	88	91	100	0.488
92	3000K	93	97	98	92	93	95	92	82	60	91	92	82	94	99	90	92	99	0.571
92	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

#### **OVAL BEAM DISTRIBUTION**



**TOP VIEW** 

#### DOWNLIGHT - NEW CONSTRUCTION WITH HOUSING - REMOTE - TITLE 24 - JA8

#### PHOTOMETRIC DATA

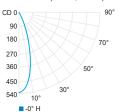
#### ILB01

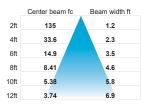


CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (Im / W)*	MAX CANDELA (cd)	MODELS
3000K	92	2W	Flood 32°	170	85	538	ILB01-030-FL

<sup>\*</sup>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.

#### Flood 32° (3000K, 92CRI)





Multiplier	1	1	1.10	1.15	
CRI options	92CRI	92CRI	92CRI	92CRI	
CCT options	2700K	3000K	3500K	4000K	

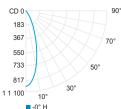
### ILB02



CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (Im / W)*	MAX CANDELA (cd)	MODELS
3000K	92	3.9W	Flood 32°	340	87	1 076	ILB02-030-FL

<sup>\*</sup>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.

#### Flood 32° (3000K, 92CRI)





CCT options	2700K	3000K	3500K	4000K	
CRI options	92CRI	92CRI	92CRI	92CRI	
Multiplier	1	1	1.10	1.15	

Туре: Project: Page: 9 of 11

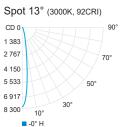
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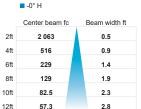
#### ILB05

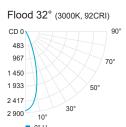


CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (Im)	EFFICACY (Im / W)*	MAX CANDELA (cd)	MODELS
			Spot 13°	861	87	8 250	ILB05-030-SP
			Flood 32°	851	86	2 857	ILB05-030-FL
			Wide flood 47°	851	86	1 628	ILB05-030-WF
3000K	92	9.8W	General light pro	788	80	1 122	ILB05-030-GP
30001	92	9.000	Medium oval longitudinal	767	78	1 281	ILB05-030-LM
			Medium oval transversal	746	76	1 221	ILB05-030-TM
			Wide flood oval longitudinal	756	77	722	ILB05-030-LW
			Wide flood oval transversal	746	76	718	ILB05-030-TW

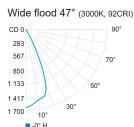
\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

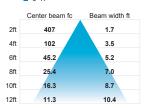


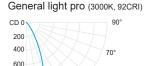










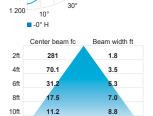


50°

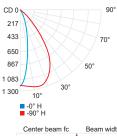
800

1 000

12ft

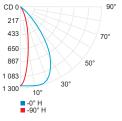


Medium oval long. (3000K, 92CRI)



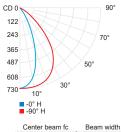


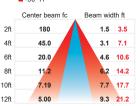
Medium oval tran. (3000K, 92CRI)





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

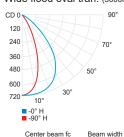


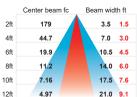


Wide flood oval tran. (3000K, 92CRI)

10.6

7.79





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

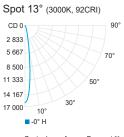
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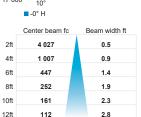
## PHOTOMETRIC DATA

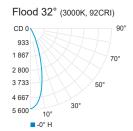
#### ILB10

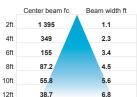
CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (Im)	EFFICACY (Im / W)*	MAX CANDELA	MODELS
			Spot 13°	1 681	84	16 108	ILB10-030-SP
			Flood 32°	1 661	83	5 578	ILB10-030-FL
3000K	92	20W	Wide flood 47°	1 661	83	3 179	ILB10-030-WF
30001	92	2000	General light pro	1 538	76	2 191	ILB10-030-GP
			Wide flood oval longitudinal	1 476	73	1 410	ILB10-030-LW
			Wide flood oval transversal	1 456	72	1 402	ILB10-030-TW

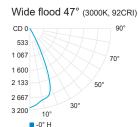
\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

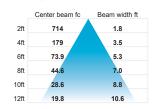




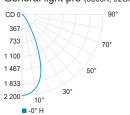










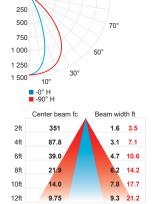


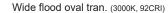


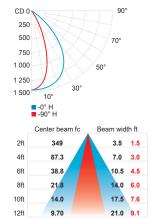
Wide flood oval long. (3000K, 92CRI)

90°

CD 0







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

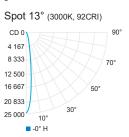
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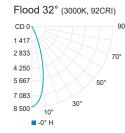
#### PHOTOMETRIC DATA

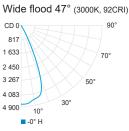
#### ILB15

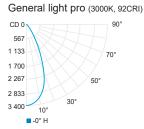
CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (Im)	EFFICACY (Im / W)*	MAX CANDELA	MODELS
		29W	Spot 13°	2 542	87	24 358	ILB15-030-SP
3000K	92		Flood 32°	2 511	86	8 435	ILB15-030-FL
3000K			Wide flood 47°	2 511	86	4 807	ILB15-030-WF
			General light pro	2 325	80	3 314	ILB15-030-GP

\*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.

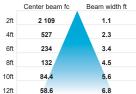


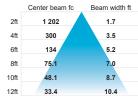


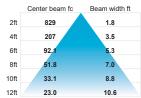












CCT options	2700K	3000K	3500K	4000K	
CRI options	92CRI	92CRI	92CRI	92CRI	
Multiplier	0.95	1	1.03	1.08	