Laser 25
RECESSED DOWNLIGHT - HOUSING TITLE 24, JA8

Laser is a collection of recessed downlights for architectural applications. Excellent build quality with features for the most demanding professional applications. Available in 4 apertures with complete light distributions offering with fixed optics. Generous light outputs with excellent chromatic performance and enhanced visual comfort (UGR<16).

Luminaire characteristic:

	Power input: 3.5W (system wattage) **Lumens:** Up to 121lm (for 3000K, 90CRI) **Luminaire efficacy:** Up to 58lm/W
Source:	COB LED module (LM-80) 2700K: 90CRI, 3000K: 90CRI, 3500K: 90CRI, 4000K: 90CRI.
Lumen maintenance:	80% of initial lumens at 69 000 hours (L80) (LM-79).
Optic:	**Fixed:** Deep recessed reflector available with spot and medium optic. **Visual comfort:** UGR < 16
Material:	Body: Die-cast aluminum optical assembly Optic: PMMA lens Baffle: Painted thermoplastic
Mounting:	New construction with housing suitable for insulated ceiling, Chicaco plenum and airtight installations.
Electrical:	High efficiency LED driver, rated at 50 000 hours. See remote LED driver options on page 3.
Finish:	Powder coated body and painted metallized baffle. See page 2 for complete offering.
Weight:	0.07lb (0.03kg).
Warranty:	5 year limited warranty.
Rating:	IP20, IP43 (visible parts once installed)
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 product list: https://cacertappliances.energy.ca.gov/Pages/Search/AdvancedSearch.aspx

DM - R5   Last update: May 18, 2023

iGuzzini

Due to continuous improvements, the information herein may be changed without notice

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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Type:

Project :

SPECIFICATION SHEET

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ORDERING INFO

ILAS25 R T AT -   **- SCF**   **- REM -**

FIXTURE

BI - LAS25 R T - AT

INSTALLATION

SHAPE

■ **R -** Round

MOUNTING

■ **T -** Trim

INSTALLATION

■ **AT -** Airtight housing[1]

LED

☐ **927 -** 2700K, 90CRI   ☐ **930 -** 3000K, 90CRI   ☐ **935 -** 3500K, 90CRI   ☐ **940 -** 4000K, 90CRI

OPTIC TYPE

■ **SCF -** Super comfort fixed

OPTIC

☐ **SP -** Spot 14°   ☐ **MD -** Medium 24°

VOLTAGE

■ **REM -** Remote

FINISH (trim finish / baffle finish)

☐ **01 -** White / black   ☐ **02 -** Black / black   ☐ **31 -** White / white   ☐ **41 -** White / gold[2]

☐ **E4 -** White / chrome[2]   ☐ **E7 -** White / black chrome[2]   ☐ **E9 -** White / gold matte[2]

[1] Airtight luminaire less than 2 cfm leakage @1.57PSI per ASTM E283.
[2] May require a longer lead time than standard. Please contact customer service for details.

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REMOTE LED DRIVER OPTIONS
(TO BE ORDERED SEPARATELY)

ILAS25 • FIXED • 2.1W*

Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box	
4-8	**20**	120-277V	Lutron Hi Lume® 0.1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±0.1%	6" x 4" x 3" (152 x 102 x 76mm)	35ft (10m)	**4444-0700-020-UNV-D2**	☐
8-11	**25**	120-277V	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±1%	5" x 4" x 3" (127 x 102 x 76mm)	35ft (10m)	**4443-0700-025-UNV-D2**	☐
1-12	**30**	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	**4450-0700-030-UNV-SD10**	☐
1-16	**38**	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	**4450-0700-038-UNV-ED10**	☐
3-16	**38**	120-277V	0-10V	Down to ±10%	8" x 8" x 4" (203 x 203 x 102mm)	30ft (9m)	**4450-0700-038-UNV-D10**	☐

* 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)

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**SPECIFICATION SHEET**

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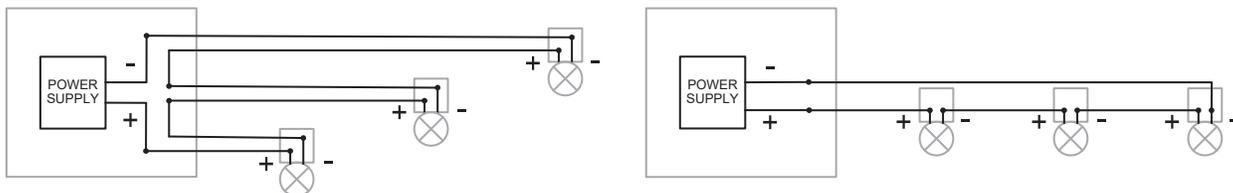
INSTALLATION

**New construction with housing suitable
for insulated ceiling.**

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: ⅛" - 1⅜" (3 - 35mm)

Certification: Airtight housing (AT) certified less than 2 cfm leakage
@ 1.57PSI per ASTM E283.
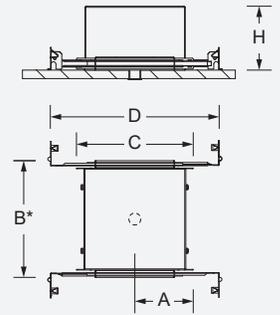
*Provide a minimum of 1⅞" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
Laser 25	BI-LAS25RT-AT	Ø 1" (Ø 25mm)	3¹¹⁄₁₆" (93mm)	7⅜" x 7⅜" (186 x 186mm)	14¼" to 26" (362 to 660mm)	4" (102mm)

DIMENSIONS

2⁵⁄₁₆"
(58mm)

FRONT VIEW

Ø1¼"
(Ø31mm)

BOTTOM VIEW

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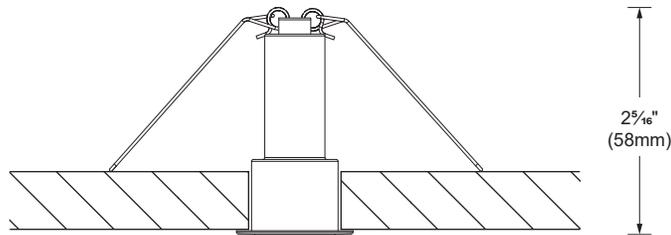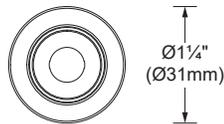
LED COLOR FIDELITY DATA

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
90	2700K	94	94	91	93	93	92	93	88	70	84	94	82	94	94	92	89	104	0.460
	3000K	97	96	93	94	96	94	95	92	82	89	94	86	97	95	96	91	104	0.538
	3500K	99	99	98	98	98	97	97	96	93	99	99	83	99	98	98	93	99	0.670
	4000K	93	94	93	94	92	91	97	91	74	85	93	72	93	96	92	92	99	0.740

PHOTOMETRIC DATA

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	2.1W*	Spot 14°	115	54	1 264	ILAS25RTXX-930-SP
			Medium 24°	121	58	648	ILAS25RTXX-930-MD

*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.

Spot 14° (3000K, 90CRI)

CD 0		90°
217		
433		70°
650		
867		50°
1 083		
1 300	10°	30°

■ -0° H
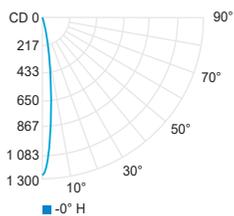
	Center beam fc	Beam width ft
2ft	316	0.5
4ft	79.0	1.0
6ft	35.1	1.4
8ft	19.8	1.9
10ft	12.6	2.4
12ft	8.78	2.9

Medium 24° (3000K, 90CRI)

CD 0		90°
108		
217		70°
325		
433		50°
542		
650	10°	30°

■ -0° H
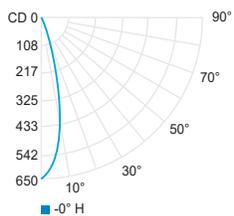
	Center beam fc	Beam width ft
2ft	162	0.9
4ft	40.5	1.7
6ft	18.0	2.6
8ft	10.1	3.4
10ft	6.47	4.3
12ft	4.50	5.1

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	**0.95**	**1**	**1.05**	**1.21**

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