



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: 2W

Lumens: Up to 120lm (for 2700K, 90CRI)

Luminaire efficacy: Up to 60lm/W

Source:

COB LED module (LM-80)

2700K: 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:

0.07lbs (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>

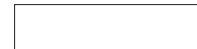
ORDERING INFO

ILAS25 R T AT - - SCF - REM -

FIXTURE

- LAS25 R T - AT

INSTALLATION



SHAPE

☒ R - Round

MOUNTING

☒ T - Trim

INSTALLATION

☒ AT - Airtight housing⁽¹⁾

LED

☐ 927 - 2700K, 90CRI☐ 940 - 4000K, 90CRI

OPTIC TYPE

☒ SCF - Super comfort fixed

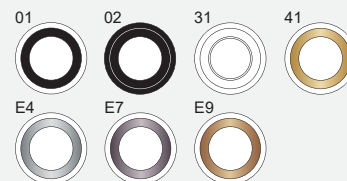
OPTIC

☐ 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.

REMOTE LED DRIVER OPTIONS

(TO BE ORDERED SEPARATELY)

ILAS25 • FIXED • 2.1W*

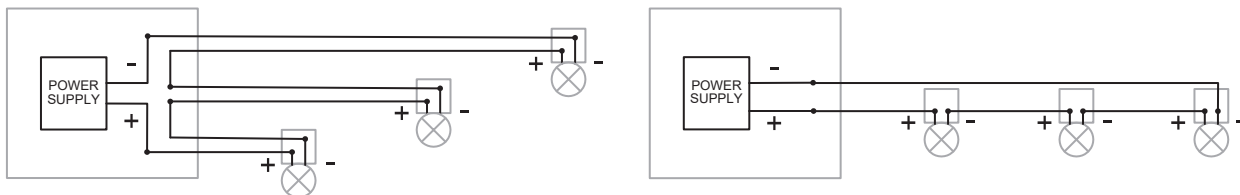
Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
5-8	20	120-277V	Lutron Hi Lume® 0.1% EcoSystem™ (Soft-on, Fade to Black)	Down to $\pm 0.1\%$	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	4444-0700-020-UNV-D2 <input type="checkbox"/>
8-11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

* 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)



INSTALLATION

New construction with housing suitable for insulated ceiling.

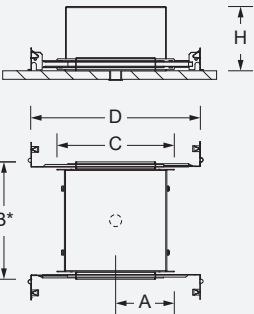
Housing with hanger bars system for new construction installations.

Suitable for insulated ceiling ,chicago plenum and airtight applications.

Housing can be shipped separately.

Ceiling thickness: 1⁄8" - 1 3⁄8" (3 - 35mm)

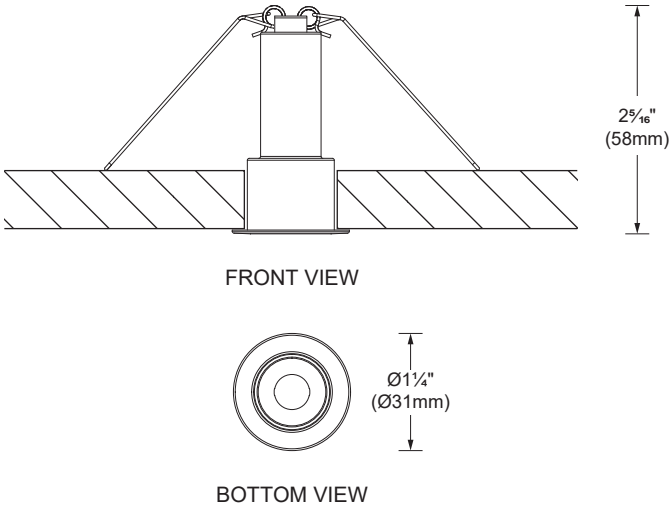
Certification: Airtight housing (AT) certified less than 2 cfm leakage @ 1.57PSI per ASTM E283.



*Provide a minimum of 1 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)
Laser 25	BI-LAS25RT-AT	Ø 1" (Ø 25mm)	3 1⁄16" (93mm)	7 3⁄8" x 7 3⁄8" (186 x 186mm)	14 1⁄4" to 26" (362 to 660mm)	4" (102mm)

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
90	2700K	94	94	91	93	93	92	93	88	70	84	94	82	94	94	92	89	104	0.460
	4000K	93	94	93	94	92	91	97	91	74	85	93	72	93	96	92	92	99	0.740

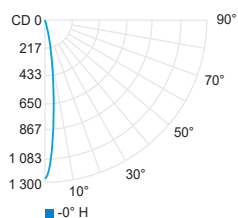
PHOTOMETRIC DATA



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
2700K	90	2W	Spot 14°	114	57	1 264	ILAS25RTXX-927-SP
			Medium 24°	120	60	647	ILAS25RTXX-927-MD

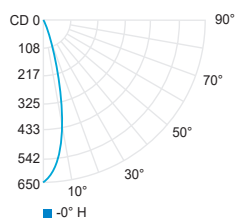
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Spot 14° (2700K, 90CRI)



	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° (2700K, 90CRI)



	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	4000K
CRI options	90CRI	90CRI
Multiplier	1	1.28