

Collection of recessed downlights for architectural applications. Excellent build quality with features for the most demanding professional applications. Available in 2 apertures with complete light distributions offering fixed and adjustable optics. Generous light outputs with excellent chromatic performance and enhanced visual comfort (UGR<16).

Luminaire characteristic:

Power input: 3.2W to 6.5W
Lumens: 125lm to 430lm (for 3000K, 90CRI)
Luminaire efficacy: Up to 75lm/W

Source:

COB LED module (LM-80)
 2700K: 90CRI,
 3000K: 90CRI,
 3500K: 90CRI,
 4000K: 90CRI.

Lumen maintenance:

80% of initial lumens at 50 000 hours (L80) (LM-79),

Optic:

Fixed: Deep recessed reflector available with medium or flood optic.
Adjustable: Deep recessed reflector available with medium or flood optic. Optical assembly hot aiming adjustment: 30° tilt.
Visual comfort: UGR < 16

Material:

Body: Die-cast aluminum optical assembly
 Reflector: Metalized polycarbonate
 Baffle: Painted thermoplastic

Mounting:

New construction with housing suitable for insulated ceiling, Chicaco plenum and airtight (page 5).

Electrical:

High efficiency LED driver, rated at 50 000 hours. See remote LED driver options on page 3-4.

Finish:

Powder coated body and painted metallized baffle. See page 2 for complete offering.

Weight:

0.31lbs (0.14kg).

Warranty:

5 year limited warranty.

Rating:

IP20, IP43 (under the ceiling)

Certification:



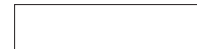
cULus listed for damp location. Interior use only.

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 product list: <https://cacertappliances.energy.ca.gov/Pages/Search/AdvancedSearch.aspx>

ORDERING INFO

ILAS38 R T AT - - - **- REM -**
 FIXTURE

BI - LAS38 R T - AT
 INSTALLATION



SHAPE

R - Round

MOUNTING

T - Trim

INSTALLATION

AT - Airtight housing⁽¹⁾

OUTPUT

BO - Base output

HO - High output

LED

927 - 2700K, 90CRI

930 - 3000K, 90CRI

935 - 3500K, 90CRI

940 - 4000K, 90CRI

ORIENTATION

F - Fixed

A - Adjustable

OPTIC

MD - Medium 26°

FL - Flood 39°

VOLTAGE

REM - Remote

FINISH (trim finish / baffle finish)

01 - White / black

02 - Black / black

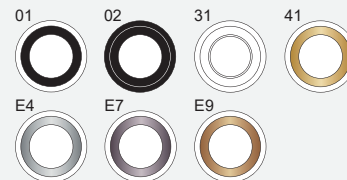
31 - White / white

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)

ILAS38 • FIXED • BO • 4W* - medium, flood

Min-max units	Watts	Voltage	Rated	Dimming protocol	Dimming range	Connexion box dimensions	Max distance**	Connection box
3-4	18	120-277V	Indoor	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)	30ft (9m)	4444-0350-018-UNV-D2 <input type="checkbox"/>
1-4	19	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0350-019-UNV-ED10 <input type="checkbox"/>
1-4	19	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0350-019-UNV-SD10 <input type="checkbox"/>

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

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

ILAS38 • FIXED • HO • 6.5W* - medium, flood

Min-max units	Watts	Voltage	Rated	Dimming protocol	Dimming range	Connexion box dimensions	Max distance**	Connection box
2	20	120-277V	Indoor	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)	30ft (9m)	4444-0550-020-UNV-D2 <input type="checkbox"/>
1-2	20	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0550-020-UNV-ED10 <input type="checkbox"/>
1-4	30	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0550-030-UNV-SD10 <input type="checkbox"/>

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

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

REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

ILAS38 • ADJUSTABLE • BO • 3.3W* - medium, flood

Min-max units	Watts	Voltage	Rated	Dimming protocol	Dimming range	Connexion box dimensions	Max distance**	Connection box
4	16	120-277V	Indoor	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)	30ft (9m)	4444-0300-016-UNV-D2 <input type="checkbox"/>
1-4	16	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0300-016-UNV-ED10 <input type="checkbox"/>
1-4	16	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0300-016-UNV-SD10 <input type="checkbox"/>

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

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

ILAS38 • ADJUSTABLE • HO • 6.5W* - medium, flood

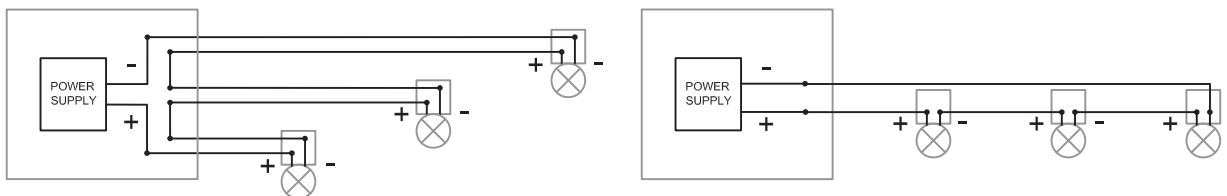
Min-max units	Watts	Voltage	Rated	Dimming protocol	Dimming range	Connexion box dimensions	Max distance**	Connection box
2	20	120-277V	Indoor	Lutron Hi Lume® 0.1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±0.1%	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	4444-0550-020-UNV-D2 <input type="checkbox"/>
1-2	20	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0550-020-UNV-ED10 <input type="checkbox"/>
1-4	30	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0550-030-UNV-SD10 <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

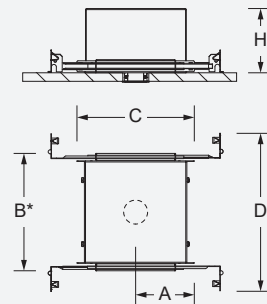
New construction with housing suitable for insulated ceiling.

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)

Total weight: 2.65lbs (1.20kg)

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



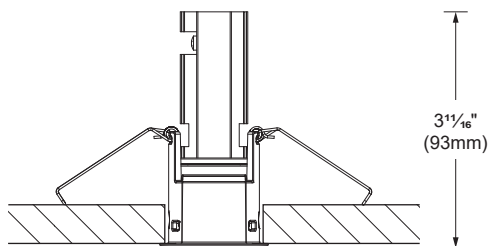
*Provide a minimum of 1 1/8" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
LASER 38	BI-LAS38RT-AT	Ø 1 1/2" (Ø 38mm)	3 1/16" (93mm)	7 3/8" x 7 3/8" (186 x 186mm)	14 1/4" to 26" (362 to 660mm)	4" (102mm)

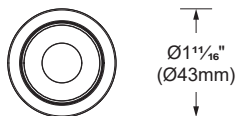
TRIM MODELS DIMENSIONS

FIXED OPTIC

COMFORT



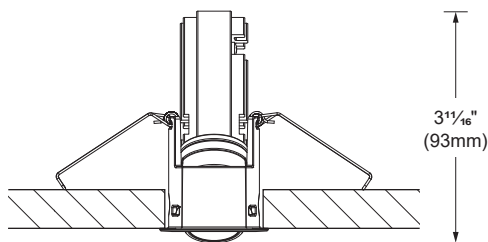
FRONT VIEW



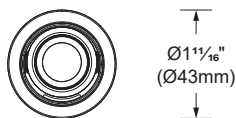
BOTTOM VIEW

ADJUSTABLE OPTIC

COMFORT



FRONT VIEW



BOTTOM VIEW

LED COLOR FIDELITY DATA

COMFORT • FIXED

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
90	2700K	95	98	98	96	96	97	90	79	55	97	98	93	96	100	89	94	99	0.500
	3000K	94	97	99	95	94	97	92	81	55	92	97	86	95	99	89	93	100	0.558
	3500K	94	97	98	95	94	96	93	83	59	92	96	83	95	99	90	93	99	0.644
	4000K	93	95	96	94	93	93	94	84	60	88	95	76	94	98	89	92	99	0.726

PHOTOMETRIC DATA

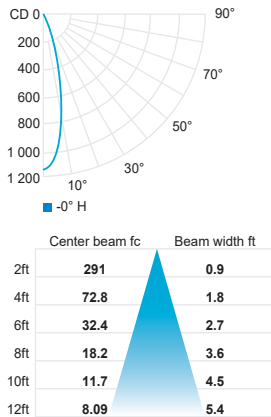
COMFORT • FIXED



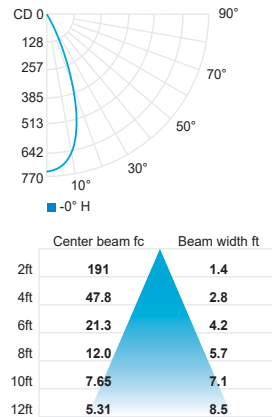
CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	BO	4W	Medium 26°	265	66	1 165	ILAS38RTXX-BO-930-FMD
				Flood 39°	300	75	765	ILAS38RTXX-BO-930-FFL
		HO	6.5W	Medium 26°	384	59	1 675	ILAS38RTXX-HO-930-FMD
				Flood 39°	430	66	1 100	ILAS38RTXX-HO-930-FFL

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.

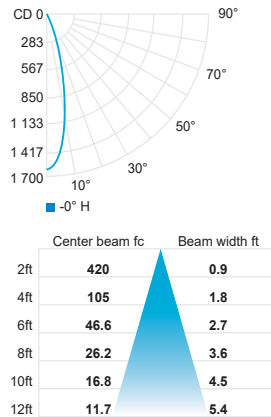
BO medium 26° (3000K, 90CRI)



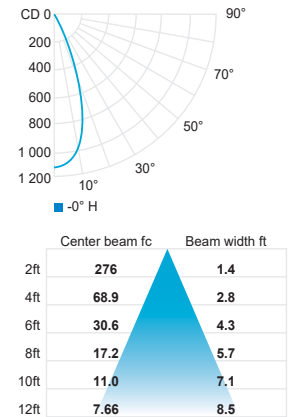
BO flood 39° (3000K, 90CRI)



HO medium 26° (3000K, 90CRI)



HO flood 39° (3000K, 90CRI)



CCT options	BO				HO			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI
Multiplier	0.93	1	1.07	1.08	0.94	1	1.06	1.08

LED COLOR FIDELITY DATA

COMFORT • ADJUSTABLE

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
90	2700K	95	98	98	96	96	97	90	79	55	97	98	93	96	100	89	94	99	0.500
	3000K	94	97	99	95	94	97	92	81	55	92	97	86	95	99	89	93	100	0.558
	3500K	94	97	98	95	94	96	93	83	59	92	96	83	95	99	90	93	99	0.644
	4000K	93	95	96	94	93	93	94	84	60	88	95	76	94	98	89	92	99	0.726

PHOTOMETRIC DATA

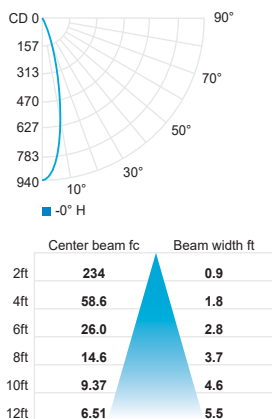
COMFORT • ADJUSTABLE



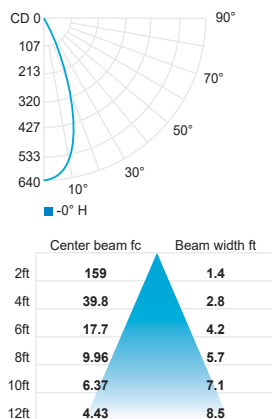
CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	BO	3.3W	Medium 26°	215	65	935	ILAS38RTXX-BO-930-AMD
				Flood 39°	245	75	635	ILAS38RTXX-BO-930-AFL
		HO	6.5W	Medium 26°	365	56	1 585	ILAS38RTXX-HO-930-AMD
				Flood 39°	420	64	1 080	ILAS38RTXX-HO-930-AFL

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.

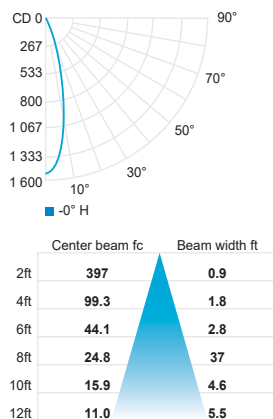
BO medium 26° (3000K, 90CRI)



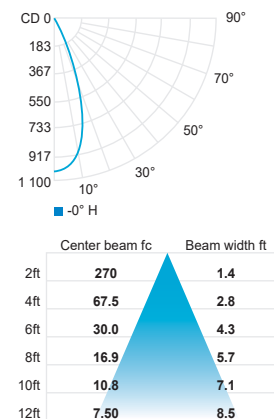
BO flood 39° (3000K, 90CRI)



HO medium 26° (3000K, 90CRI)



HO flood 39° (3000K, 90CRI)



CCT options	BO				HO			
	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI
Multiplier	0.94	1	1.06	1.08	1	1	1.07	1.08