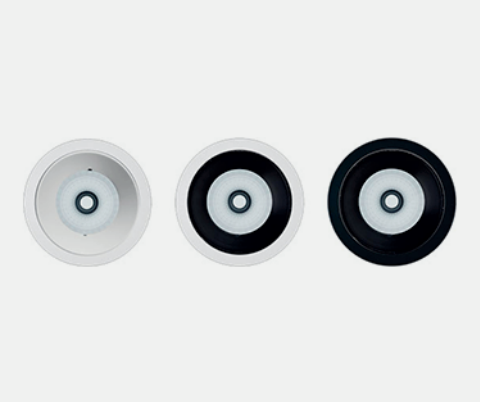

Collection of recessed downlights for architectural applications[1]. Excellent build quality with features for the most demanding professional applications. Available in 2 apertures with complete light distributions offering fixed, adjustable and wall washer optics. Generous light outputs with excellent chromatic performance and enhanced visual comfort (up to UGR<10). Also available with a Safety glass with a sealing system to increase the IP rating (IP65).

(1) Related products in the same family for other sizes: Laser 17, Laser 25, Laser 38 and Laser 96.

Optic type	Optic	Load (W)	Lumens (lm)	Efficacy (lm/W)	Max Candela (cd)
Comfort Fixed	26°	13W	986	76	4 183
	46°		1 011	78	1 981
	56°		1 012	78	1 344
Comfort Adjustable	16°	13W	948	73	6 149
	26°		973	75	4 232
	44°		986	76	1 973
Super Comfort Fixed	26°	13W	986	76	4 295
	44°		1 026	79	2 084
	56°		1 000	77	1 343
Super Comfort Adjustable	14°	10.5W	591	56	5 646
	24°		656	62	3 450
	39°		648	62	1 595
Wall washer		13W	700	54	506

Source:	COB LED module 2700K: 90CRI 3000K: 90CRI 3500K: 90CRI 4000K: 90CRI
Lumen maintenance:	90% of initial lumens at 50 000 hours (L90, LM-80)
Optic:	Visual comfort: • UGR<13 (Comfort) • UGR<10 (Super Comfort) *Fixed:* Deep recessed reflector available with medium, wide flood or very wide flood optic. *Adjustable:* Deep recessed reflector available with spot, medium, flood or wide flood optic. Optical assembly hot-aiming adjustment. • Comfort optic type: 30° tilt • Super comfort optic type: 30° tilt and 355°pan *Wall washer:* Wall washer with lens.
Material:	*Body:* Die-cast aluminum optical assembly *Reflector:* Metalized polycarbonate *Baffle:* Painted thermoplastic *Housing:* Galvanized steel
Mounting:	Cut-out Ø3" (Ø75mm) New construction with housing suitable for airtight applications (See page 5 for details)
Electrical:	Integral high efficiency LED driver rated at 50 000 hours, 120V or 277V.
Dimming:	Leading edge (TRIAC) and trailing edge (ELV) (120V only), down to 5%. 0-10V (120-277V), down to 1%. DALI (120-277V), down to 1%.
Finish:	Powder coated body and painted metallized baffle. See page 2 for complete offering.
Weight:	Trim: 0.57lb (0.26kg), Trimless: 0.29lb (0.13kg).
Warranty:	5 year limited warranty.
Rating:	IP20 IP44 (on the visible part once installed for trim fixed) IP23 (on the visible part once installed for trim adj.) IP65 (on the visible part once installed for WGF)
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

CLICK HERE
CONFIGURE

ILAS75RAT
PRODUCT CODE

INSTALLATION CODE

R		AT						
SHAPE	**MOUNTING**	**INSTALLATION**	**LED**	**OPTIC TYPE**	**OPTIC**	**VOLTAGE**	**FINISH (trim finish / baffle finish)**	

R
Round

T
Trim

L
Trimless

AT
Airtight housing

927
2700K, 90CRI

930
3000K, 90CRI

935
3500K, 90CRI

940
4000K, 90CRI

SGF [1]
Comfort fixed

SGA [1]
Comfort adjustable

SCF
Super comfort fixed

SCA
Super comfort adjustable

FWW [2]
Fixed wall washer

WGF [1 3]
Comfort fixed IP65

SP [4]
Spot (16° / 14°)

MD
Medium (26° / 24°)

FL [5]
Flood (39°)

WF [6]
Wide flood (46° / 44°)

VW [7]
Very wide flood (56°)

120
120V

UNV
120-277V

TRIM

01
White / black

02
Black / black

31
White / white

41 *
White / gold

E4 *
White / chrome

E7 *
White / black chrome

E9 *
White / gold matte

TRIMLESS

31
White

02
Black

04 *
Chrome

14 *
Gold

E6 *
Black chrome

E8 *
Gold matte

120V

LTE
Leading and Trailing edge dimming (down to 5%)

UNV (120-277V)

D10
0-10V (down to 1%)

DA *
DALI (down to 1%)

(1) Available with trim (**T**) mounting.
(2) No optic selection necessary when ordering the fixed wall washer (**FWW**) optic type.
(3) Available with 2700K, 90CRI (**927**) LED for wide flood (**WF**) optic.
(4) Available for adjustable (**SGA, SCA**) optic type.
(5) Available for super comfort adjustable (**SCA**) optic type.
(6) Available for comfort (**SGF, SGA, WGF**) optic type. Also available for super comfort fixed (**SCF**) optic type.
(7) Available for fixed (**SGF, SCF**) optic type.

* May require a longer lead time than standard. Please contact customer service for details.
** Dimming levels will vary depending on the dimmer used and the number of luminaires on the line.

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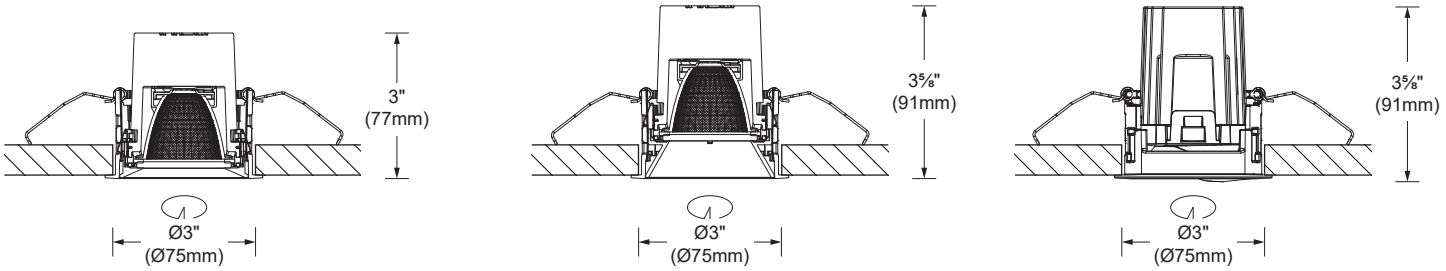
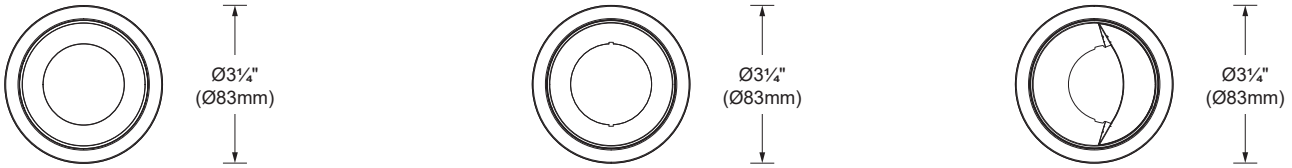
TRIM MODELS DIMENSIONS

FIXED OPTIC

COMFORT	SUPER COMFORT	WALL WASHER



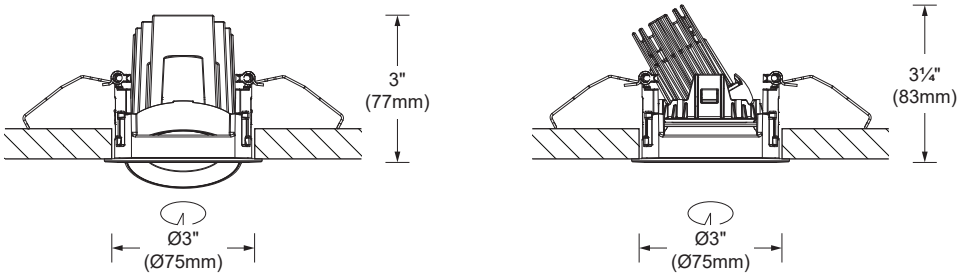
FRONT VIEW



BOTTOM VIEW

ADJUSTABLE OPTIC

COMFORT	SUPER COMFORT



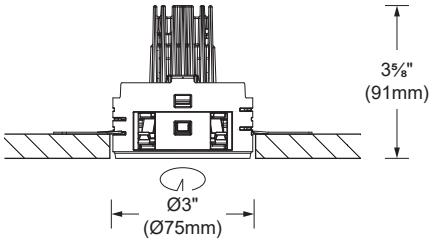
FRONT VIEW

BOTTOM VIEW

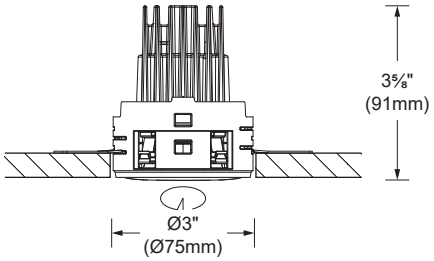
TRIMLESS MODELS DIMENSIONS

FIXED OPTIC

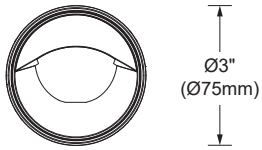
SUPER COMFORT



WALL WASHER



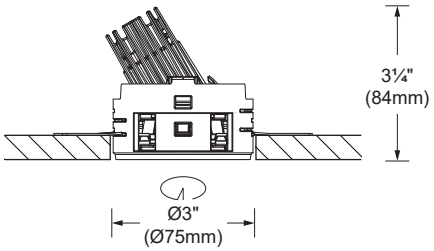
FRONT VIEW



BOTTOM VIEW

ADJUSTABLE OPTIC

SUPER COMFORT



FRONT VIEW

BOTTOM VIEW

INSTALLATION

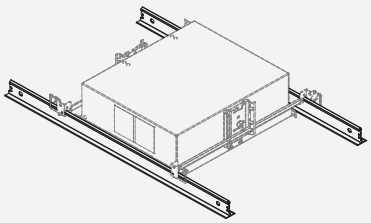
New construction with airtight (AT) housing

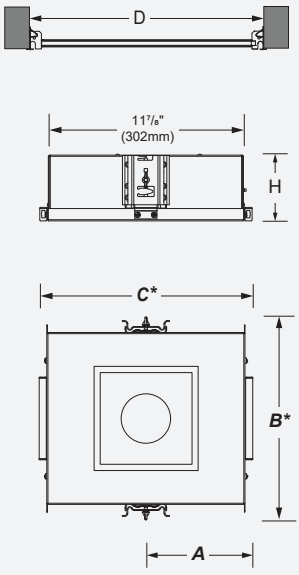
Housing with hanger bars system for new construction installations.
Suitable for insulated ceiling, Chicago Plenum and airtight applications.
Housing can be shipped seperately.

Ceiling thickness:
Trim: 1/8" to 7/8" (3mm - 22mm)
Trimless: 1/2" to 15/16" (12.5mm - 24mm)

Total weight:
Trim: 7.05lb (3.2kg),
Trimless: 6.9lb (3.13kg).

Hanger bars suitable for Grid ceiling





*Provide a minimum of 1 1/16" (46mm) on each side for the hanger bar fixations

Model	Housing	Cut-out dimensions	Cut-out position (A)	Max Overall dimensions (B*xC*)	Hanger bars (D)	Clearance (H)
LASER 75	BI-LAS75-RT-AT	Ø 3" (Ø 75mm)	6 7/16" (164mm)	12 1/4" x 12 15/16" (311 x 328mm)	14 1/4" to 26" (362 to 660mm)	4" (102mm)
	BI-LAS75-RLF-AT					
	BI-LAS75-RLA-AT					

ACCESSORIES (TO BE ORDERED SEPARATELY)

Fixture can hold a maximum of 3 accessories at a time.

RESET

	PRODUCT CODE	COMFORT FIXED (SGF)	COMFORT ADJUSTABLE (SGA)	SUPER COMFORT FIXED (SCF)	SUPER COMFORT ADJUSTABLE (SCA)	COMFORT FIXED IP65 (WGF)
HONEYCOMB LOUVRE	**IMY11-04 -** Black				☐	
	IMY22-04 - Black	☐	☐	☐		☐
DIFFUSER GLASS	**IMY12-65 -** Nitric				☐	
	IMY23-65 - Nitric	☐	☐	☐		
REFRACTOR LENS (for elliptical distribution)	**IMY13-24 -** Clear transparent				☐	
	IMY24-24 - Clear transparent	☐	☐	☐		☐
DECORATIVE RINGS	**IMY15-05 -** Red				☐	
	IMY15-06 - Yellow				☐	
	IMY15-16 - Blue				☐	
	IMY26-05 - Red		☐	☐		☐
	IMY26-06 - Yellow		☐	☐		☐
	IMY26-16 - Blue		☐	☐		☐
INTERNAL ANTI-GLARE RING	**IMY27-04 -** Black		☐			
DECORATIVE CYLINDERS	**IMY28-05 -** Red	☐				☐
	IMY28-06 - Yellow	☐				☐
	IMY28-16 - Blue	☐				☐
	IMY28-24 - Clear transparent	☐				☐

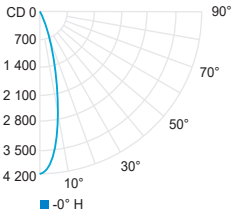
PHOTOMETRIC DATA

COMFORT
FIXED

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	13W	Medium 26°	986	76	4 183	ILAS75RXXX-930-SGFMD
			Wide flood 46°	1 011	78	1 981	ILAS75RXXX-930-SGFWF
			Very wide flood 56°	1 012	78	1 344	ILAS75RXXX-930-SGFVW

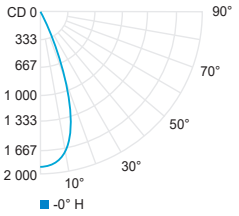
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Medium 26° (3000K, 90CRI)



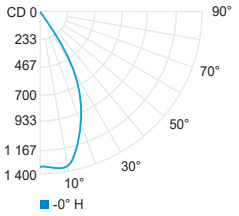
	Center beam fc	Beam width ft
2ft	1 046	0.9
4ft	261	1.9
6ft	116	2.8
8ft	65.4	3.7
10ft	41.8	4.7
12ft	29	5.6

Wide flood 46° (3000K, 90CRI)



	Center beam fc	Beam width ft
2ft	491	1.6
4ft	123	3.1
6ft	54.5	4.7
8ft	30.7	6.2
10ft	19.6	7.8
12ft	13.6	9.3

Very wide flood 56° (3000K, 90CRI)



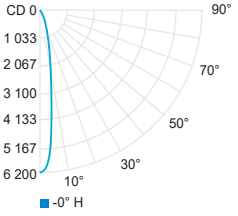
	Center beam fc	Beam width ft
2ft	329	2.0
4ft	82.3	4.1
6ft	36.6	6.1
8ft	20.6	8.2
10ft	13.2	10.2
12ft	9.15	12.3

COMFORT
ADJUSTABLE

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	13W	Spot 16°	948	73	6 149	ILAS75RXXX-930-SGASP
			Medium 26°	973	75	4 232	ILAS75RXXX-930-SGAMD
			Wide flood 44°	986	76	1 973	ILAS75RXXX-930-SGAWF

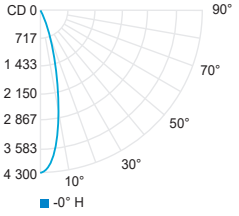
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Spot 16° (3000K, 90CRI)



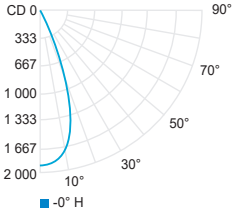
	Center beam fc	Beam width ft
2ft	1 537	0.6
4ft	384	1.1
6ft	171	1.7
8ft	96.1	2.3
10ft	61.5	2.9
12ft	42.7	3.4

Medium 26° (3000K, 90CRI)



	Center beam fc	Beam width ft
2ft	1 058	0.9
4ft	265	1.8
6ft	118	2.7
8ft	66.1	3.7
10ft	42.3	4.6
12ft	29.4	5.5

Wide flood 44° (3000K, 90CRI)



	Center beam fc	Beam width ft
2ft	493	1.6
4ft	123	3.3
6ft	54.8	4.9
8ft	30.8	6.5
10ft	19.7	8.1
12ft	13.7	9.8

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	**0.96**	**1**	**1.04**	**1.07**

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

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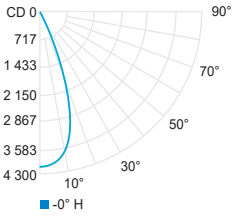
PHOTOMETRIC DATA

SUPER COMFORT FIXED

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	13W	Medium 26°	986	76	4 295	ILAS75RXXX-930-SCFMD
			Wide flood 44°	1 026	79	2 084	ILAS75RXXX-930-SCFWF
			Very wide flood 56°	1 000	77	1 343	ILAS75RXXX-930-SCFVW

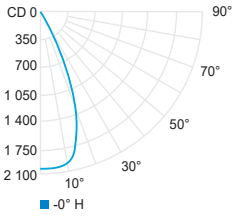
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Medium 26° (3000K, 90CRI)



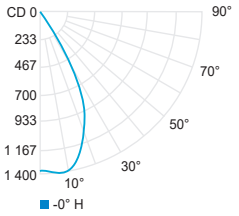
	Center beam fc	Beam width ft
2ft	1 074	0.9
4ft	268	1.8
6ft	119	2.8
8ft	67.1	3.7
10ft	43	4.6
12ft	29.8	5.5

Wide flood 44° (3000K, 90CRI)



	Center beam fc	Beam width ft
2ft	521	1.6
4ft	130	3.3
6ft	57.9	4.9
8ft	32.6	6.5
10ft	20.8	8.1
12ft	14.5	9.8

Very wide flood 56° (3000K, 90CRI)



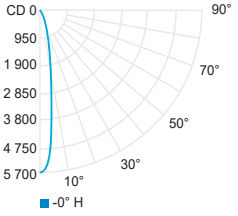
	Center beam fc	Beam width ft
2ft	328	2.1
4ft	82.1	4.1
6ft	36.5	6.2
8ft	20.5	8.2
10ft	13.1	10.3
12ft	9.12	12.3

SUPER COMFORT ADJUSTABLE

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	10.5W	Spot 14°	591	56	5 646	ILAS75RXXX-930-SCASP
			Medium 24°	656	62	3 450	ILAS75RXXX-930-SCAMD
			Flood 39°	648	62	1 595	ILAS75RXXX-930-SCAFL

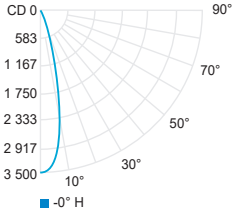
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Spot 14° (3000K, 90CRI)



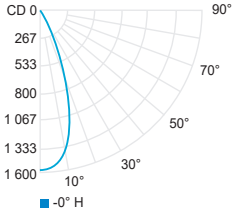
	Center beam fc	Beam width ft
2ft	1 412	0.4
4ft	353	0.9
6ft	157	1.3
8ft	88.2	1.8
10ft	56.5	2.2
12ft	39.2	2.7

Medium 24° (3000K, 90CRI)



	Center beam fc	Beam width ft
2ft	863	0.8
4ft	216	1.6
6ft	95.8	2.5
8ft	53.9	3.3
10ft	34.5	4.1
12ft	24	4.9

Flood 39° (3000K, 90CRI)



	Center beam fc	Beam width ft
2ft	399	1.4
4ft	99.7	2.8
6ft	44.3	4.2
8ft	24.9	5.6
10ft	16	7.0
12ft	11	8.5

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	**0.96**	**1**	**1.04**	**1.07**

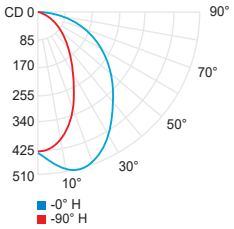
PHOTOMETRIC DATA

WALL WASHER

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	13W	Wall washer	700	54	506	ILAS75RXXX-930-FWW

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.

Wall washer (3000K, 90CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	**0.96**	**1**	**1.04**	**1.07**

LED COLOR FIDELITY DATA

COMFORT • FIXED / ADJUSTABLE
SUPER COMFORT • FIXED
WALL WASHER

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
90	2700K	93	96	97	93	92	95	93	83	62	89	93	83	93	98	89	92	100	0.478
	3000K	93	95	96	94	93	94	94	86	67	88	94	80	94	97	91	92	100	0.547
	3500K	93	95	95	93	92	93	95	87	67	86	93	75	93	97	91	91	100	0.625
	4000K	92	94	95	92	91	92	95	86	64	85	91	70	92	97	90	90	98	0.718

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CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
90	2700K	94	98	99	95	95	98	90	79	54	94	98	90	95	100	88	93	99	0.492
	3000K	95	97	98	96	95	96	93	84	62	92	97	86	95	98	90	93	101	0.555
	3500K	93	96	98	94	93	95	93	82	57	90	95	79	94	98	89	92	98	0.640
	4000K	92	95	96	92	91	93	93	83	57	87	93	73	93	98	89	91	98	0.725