LASER EVO 0.75
Downlight Remote

Project: _____

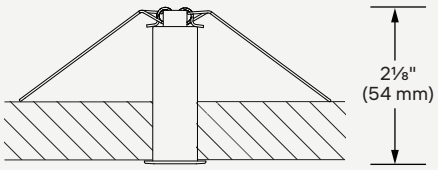
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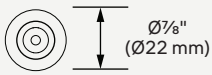
SHAPE OPTIONS

Cone



DIMENSIONS





Laser Evo is a versatile downlight family that delivers precise, comfortable light through a compact and discreet design. Its extensive range of sizes, optics and finishes provides exceptional flexibility for a wide variety of architectural environments.

IP 20 | cULus | TITLE 24 JA8 | CE Equivalent Available | 5-Year Limited Warranty | CCEA

FEATURES

- **Drivers/Protocol :** TRIAC/ELV, 0-10V, DALI, and Lutron EcoSystem™
  1%, 0.1% dimming available (0.1% only for SD10 and SDA models)
- **Available with :** Emergency Battery Pack
- **Smart/Wireless solutions :** Lutron AWN and Casambi
- Tool-free installation
- Full specification available *page 6*

FINISH OPTIONS

TRIM

W1 | 02 | V0

BAFFLE

W1 | 02 | 04 | 43 | N8 | 69 | E8 | V0 | V6

Consult factory for custom finishes.

OPTIC OPTIONS

Spot 14°

MODEL	AVAILABLE OPTIC	SYSTEM POWER (W)[1]	MAX LUMEN OUTPUT	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)
ILE075	Spot 14°	2.0	**01** (100 lm)	79	39	1176

1. For products using a remote LED driver, total system power (W) and efficacy (lm/W) vary depending on the efficiency of the selected remote LED driver.

FAMILY OVERVIEW

RECESSED FIXED



0.75" (17 mm) : Cone
1" (25 mm) : Cone
1.5" (40 mm) : Cone, Squircle
2" (59 mm) : Cone, Squircle, Dome, Dome space, Soft, Soft space
3" (75 mm) : Cone, Squircle, Dome, Dome space, Soft, Soft space
4" (96 mm) : Cone, Dome, Dome space
5" (125 mm[1])
6" (153 mm[1])

RECESSED TILTED



2"
3"
4"

RECESSED ADJUSTABLE



1.5"
2"
3"
4"
5"
6"

RECESSED SHALLOW



3"

WALL WASHER



1.5"
2"
3"
4"

1. To be released 2027
Refer to other spec sheets to view additional options.

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CONFIGURE

LASER EVO 0.75
Downlight Remote

Project: _____

Type: _____

ORDERING INFO

PRODUCT CODE EXAMPLE : ILE075-F-CO-TR-CP-01-9027-SP-REM-W102

DRIVER CODE SELECT YOUR DRIVER ON PAGE 3

INSTALLATION CODE

MODEL	SHAPE	MOUNTING	INSTALLATION	OUTPUT[3]	LED		OPTIC	VOLTAGE	FINISH	
ILE075-F Laser Evo Fixed Ø¾" (Ø17 mm)	**CO** Cone	**TR** Trim	**RF**[1] Remodel **NC**[1] New Construction **IC** Insulated Ceiling Housing **CP** Chicago Plenum Housing **AT**[2] Airtight Housing	**01** 100 lm (2.0 W)	**80**[4] 80 CRI **90** 90 CRI	**27** 2700K **30** 3000K **35** 3500K **40** 4000K	**LSP** Spot 14°	**REM** Remote	*TRIM* **W1** Matte White **02** Black **V0** Matte Black	*BAFFLE* **W1** Matte White **02** Black **04** Metal Chrome **43** Gold **69** Bronze **E8** Gold Satin **N8** Titanium **V0** Matte Black **V6** Matte Copper

1. Also suitable for insulated ceilings
2. Airtight luminaire less than 2 cfm leakage @1.57PSI per ASTM E283.
3. For products using a remote LED driver, total system power (W) and efficacy (lm/W) vary depending on the efficiency of the selected remote LED driver.
4. Not available with Airtight Housing (**AT**).

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DRIVER BOX MODEL DESCRIPTION

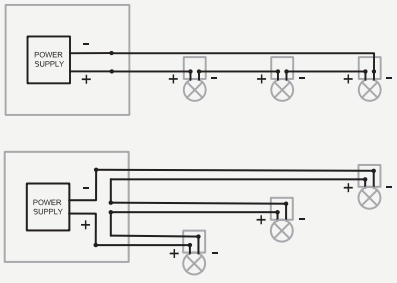
DRIVER CODE EXAMPLE : 4444-0500-012-120-LTE

DIMMING PROTOCOL	MIN-MAX UNITS ILE075 (2 W)[1]	DIMMING RANGE	MAX DISTANCE	MODEL (LxWxH)	INDOOR RATED DRIVER BOX MODELS			
					CONSTANT CURRENT	WATTAGE	VOLTAGE	
					0500 500 mA	009 to 038 9 to 38 W	120 120V	UNV 120-227V
LTE Leading & Trailing Edge (ELV & TRIAC)	3 - 15	Down to ± 1%	118 ft (36 m)	**4444** 6" x 4" x 3" (152 x 101 x 76mm)		4444-0500-030-120-LTE		
D10 0-10V	10	Down to ± 1%		**4450** 8" x 8" x 4" (203 x 203 x 102mm)		4450-0500-021-UNV-D10 **(JA8)**		
	1 - 6	Down to ± 1%		**4444** 6" x 4" x 3" (152 x 101 x 76mm)		4444-0500-012-UNV-D10		
D2 Lutron Hi Lume® EcoSystem™ (Soft-on, Fade to Black)	4 - 10	Down to ± 0.1%		**4444** 6" x 4" x 3" (152 x 101 x 76mm)		4444-0500-020-UNV-D2 **(JA8)**		
ED10 0-10V ELDOLED ECOdrive	1 - 13	Down to ± 1%		**4450** 8" x 8" x 4" (203 x 203 x 102mm)		4450-0500-027-UNV-ED10		
	1 - 10	Down to ± 1%				4450-0500-020-UNV-ED10 **(JA8)**		
SD10 0-10V ELDOLED SOLOdrive	1 - 48 (16 per channel)	Down to ± 0.1%		**4444** 6" x 4" x 3" (152 x 101 x 76mm)		4448-0500-100-UNV-SD10 (4 outputs)		
	1 - 13	Down to ± 0.1%		**4450** 8" x 8" x 4" (203 x 203 x 102mm)		4450-0500-027-UNV-SD10 **(JA8)**		
EDA Dali ELDOLED ECOdrive	1 - 13	Down to ± 1%		**4450** 8" x 8" x 4" (203 x 203 x 102mm)		4450-0500-027-UNV-EDA		
SDA Dali ELDOLED SOLOdrive	1 - 13	Down to ± 0.1%		**4450** 8" x 8" x 4" (203 x 203 x 102mm)		4450-0500-027-UNV-SDA		
CAS Casambi connectivity	1 - 10	Down to ± 1%		**4444** 6" x 4" x 3" (152 x 101 x 76mm)		4444-0500-021-UNV-CAS		
AWN Athena wireless node connectivity	1 - 13	Down to ± 1%		**4450** 8" x 8" x 4" (203 x 203 x 102mm)		4450-0500-027-UNV-AWN		
DRIVER BOX WITH EMERGENCY BATTERY PACK								
D10- EM 0-10V with emergency battery pack	4 - 10	Down to ± 1%	118 ft (36 m)	**4451** 18" X 4" X 4" (457 x 102 x 102mm)		4451-0500-020-UNV-D10-EM-10		

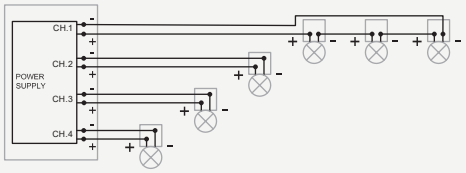
1. Wattage requirement for one fixture (remote fixture only)
2. Calculated for 16AWG cable. Contact customer service for longer remote distance

WIRING DIAGRAMS

Single-channel drivers
Multiple luminaires must be connected in series (home run or fixture chain).



Multiple-channel driver
Luminaires must be connected in series on seperate channels (up to 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



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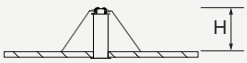
INSTALLATION

REMODEL (RF)

Versatile fixture for new or existing ceiling structure. Suitable for insulated and non-insulated ceiling assemblies, like sheetrock, or paneling. Fixture is ready for remodeling installation.

Ceiling thickness : ⅛" - 1⅜" (3 - 35 mm)

1. Can be installed from below the ceiling

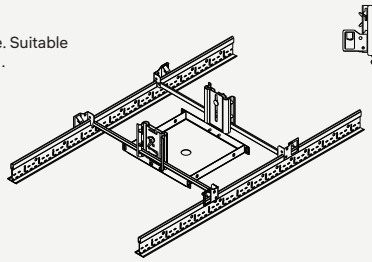


MOUNTING	CUT-OUT DIMENSIONS	CLEARANCE (H)
Trim	Ø 11/16" (Ø17 mm)	2 3/8" (60 mm)

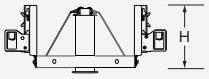
NEW CONSTRUCTION WITH PLASTER FRAME (NC)

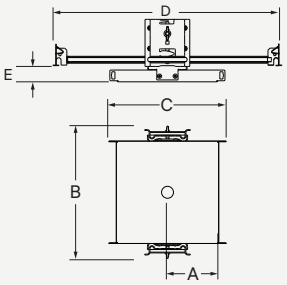
Plaster frame with hanger bars system to be installed during rough-in phase. Suitable for insulated or non-insulated ceiling assemblies, like sheetrock, or paneling. Plaster frame can be shipped separately.

Ceiling thickness : ⅛" - 1⅜" (3 - 35 mm)



Hanger bars suitable for grid ceiling.





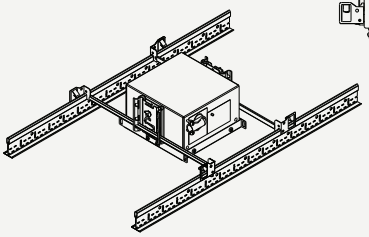
MOUNTING	PLASTER FRAME	CUT-OUT DIMENSIONS	CUT-OUT POSITION (A)	OVERALL DIMENSIONS (BXC)[1]	HANGER BAR RANGE (D)	ADJUSTABILITY (E)	CLEARANCE (H)
Trim	BN-ILE075-TR-NC	Ø 11/16" (Ø17 mm)	3 11/16" (93 mm)	7⅜" x 7⅜" (186 x 186 mm)	14 ¼" - 26" (362 - 660 mm)	1 7/16 - 3 ⅜" (36 - 86.5 mm)	2 ⅜" (60 mm)

1. Provide a minimum of 1 ⅞" (46 mm) on each side for hanger bar fixations

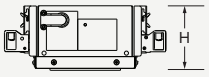
NEW CONSTRUCTION WITH HOUSING SUITABLE FOR INSULATED CEILING OR CHICAGO PLENUM (CP)

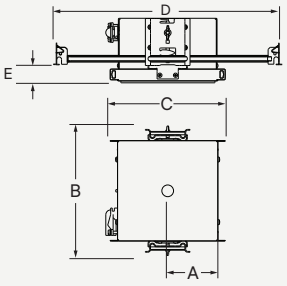
Housing with hanger bars system for new construction installations. Suitable for insulated ceilings or Chicago Plenum applications. Housing and trim can be shipped separately.

Ceiling thickness : ⅛" - 1 ⅜" (3 - 35 mm)



Hanger bars suitable for grid ceiling.





MOUNTING	HOUSING	CUT-OUT DIMENSIONS	CUT-OUT POSITION (A)	OVERALL DIMENSIONS (BXC)[1]	HANGER BAR RANGE (D)	ADJUSTABILITY (E)	CLEARANCE (H)
Trim	BI-ILE075-TR-IC/CP	Ø 11/16" (Ø17 mm)	3 11/16" (93 mm)	7⅜" x 7⅜" (186 x 186 mm)	14 ¼" - 26" (362 - 660 mm)	1 7/16 - 3 ⅜" (36 - 86.5 mm)	4" (102 mm)

1. Provide a minimum of 1 ⅞" (46 mm) on each side for hanger bar fixations

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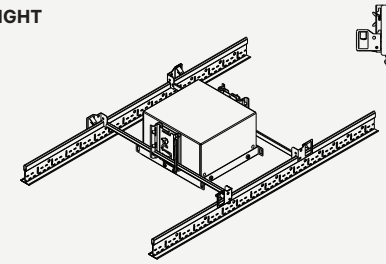
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NEW CONSTRUCTION WITH HOUSING SUITABLE FOR AIRTIGHT INSTALLATION (AT)[1]

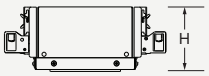
Housing with hanger bars system for new construction installations.
Suitable for insulated ceiling, chicago plenum and airtight applications.
Housing can be shipped separately.

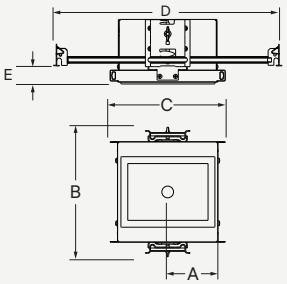
Ceiling thickness : ⅛" - 1⅜" (3 - 35 mm)

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



Hanger bars suitable for grid ceiling.





MOUNTING	HOUSING	CUT-OUT DIMENSIONS	CUT-OUT POSITION (A)	OVERALL DIMENSIONS (BXC)[1]	HANGER BAR RANGE (D)	ADJUSTABILITY (E)	CLEARANCE (H)
Trim	BI-ILE075-TR-AT	Ø 11/16" (Ø17 mm)	3 11/16" (93 mm)	7⅜" x 7⅜" (186 x 186 mm)	14 ¼" - 26" (362 - 660 mm)	1 1/16 - 3 ⅜" (36 - 86.5 mm)	4" (102 mm)

1. Provide a minimum of 1 ⅞" (46 mm) on each side for hanger bar fixations

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SPECIFICATIONS

LUMINAIRE CHARACTERISTIC
Source Power : 1.5 W
System Power : 2.0 W
Lumens : 80 lm (for 3000K, 90CRI)
Luminaire efficacy : 40 lm/W

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

LUMEN MAINTENANCE
80% of initial lumens at 100 000 hours (L80 B10)

OPTICS
Spot 14°**(LSP)**

MATERIALS
Body : Die-cast aluminum optical assembly
Lens : PMMA
Baffle : Painted thermoplastic

INSTALLATION
Remodel **(RF)** - New construction with plaster frame **(NC)** - Chicago plenum rated housing **(CP)** - Airtight housing **(AT)**

ELECTRICAL
High efficiency LED driver rated at 50 000 hours.
See remote LED driver options on page 2.

FINISH
TRIM

W1 - Matte White	02 - Black	V0 - Matte Black

BAFFLE

W1 - Matte White	02 - Black	04 - Metal Chrome
43 - Gold	69 - Bronze	E8 - Gold Satin
N8 - Titanium	V6 - Matte Copper	V0 - Matte Black

WEIGHT
0.07 lbs (0.03 kg)

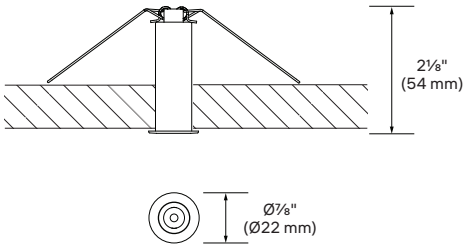
WARRANTY
5 year limited warranty.

RATINGS
IP20

CERTIFICATIONS
cULus listed for damp location. Interior use only.

Title 24 JA8-2019 High-Efficacy Luminaire with Airtight Housing. Tested in accordance with ASTM E283. Maximum air leakage: <2 CFM @ 1.57 psf (75 Pa).

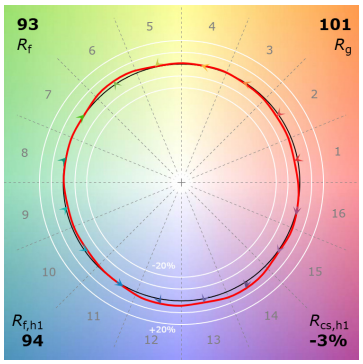
MODEL DIMENSIONS

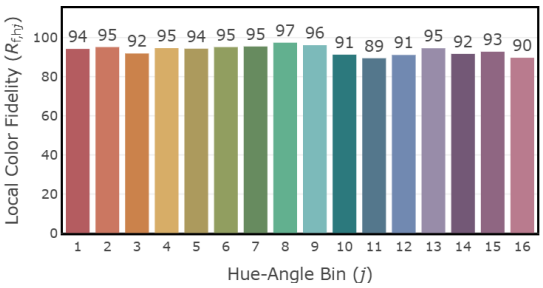


LED COLOR FIDELITY DATA

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	M-DER
90	3000K	96	96	94	96	95	95	96	90	75	89	96	83	96	96	94	0.499

TM-30 DATA (3000K, 90CRI)





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CONFIGURE

LASER EVO 0.75
Downlight Remote

Project: _____

Type: _____

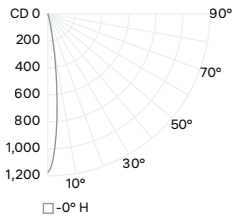
PHOTOMETRIC DATA

CONE

CCT (K)	CRI	SYSTEM POWER (W)[1]	OPTIC	LUMENS (LM)	EFFICACY (LM/W)	MAX CANDELA (CD)	MODELS
3000	90	2	Spot 14°	79	39	1176	ILE075-F-CO-LSP

1. For products that use 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)



	Center beam fc	Beam width ft
2ft	294	0.5
4ft	74	0.9
6ft	33	1.4
8ft	18	1.9
10ft	12	2.3
12ft	8	2.8

MULTIPLIER TABLE

CRI OPTIONS	80CRI	90CRI			
CCT OPTIONS	4000K	2700K	3000K	3500K	4000K
MULTIPLIER	1.31	0.94	1.00	1.04	1.20

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