

ELLA DOWNLIGHT SYSTEM

Residential Series - 3" Aperture

Project :	Type:
Product Code:	Date :



Round



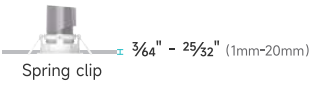
Square

DESCRIPTION

ELLA-Residential series, perfect spot lighting or accentuation with an almost invisible light aperture is ideally achieved. Super modular design with numerous mounting rings, round as well as square designs with adjustable and fixed options, in various wattages enable nuanced adaptations to different needs. Honeycomb filter can be added to provide maximum visual comfort.

FEATURES

- Elegant & compact in its style, versatile in its using.
- Precise light control, 15°, 24°, 38°, 55° beam lens options.
- Numerous mounting rings with round & square and adjustable & fixed options.
- Super modular design, replacing LED module, mounting ring, beam lens and anti-glare accessories without any needs for tools.

		EM060	
WATTAGE		10W	15W
LUMEN OUTPUT		918lm	1218lm
BEAM OPTICS	Narrow Spot <input type="radio"/>	15°	
	Spot <input type="radio"/>	24°	
	Flood <input type="radio"/>	38°	
	Wide Flood <input type="radio"/>	55°	
LIGHT COLOR		Static White: 2700K, 3000K, 3500K, 4000K	Dim To Warm: 2000K-3000K
COLOR QUALITY		CRI80+/90+, 3 SDCM	
INPUT WATTAGE		10W	15W
INPUT VOLTAGE		120/277V input, 50/60Hz	
POWER FACTOR		Greater than 0.9	
DIMMING TYPE		Triac dimming & 0-10V dimming range: 10%-100%	
CEILING THICKNESS:		 Spring clip $\frac{3}{4}'' - 2\frac{1}{2}''$ (1mm-20mm)	
INSTALLATION		New Construction, Remodel, IC Rated Housing	
LISTINGS		ETL Listed to US and Canadian standards for damp locations. (IC) ETL listed for direct contact w/insulation.	
WARRANTY		5 year limited warranty	
AMBIENT OPERATING TEMPERATURE		-20°C to 40°C	
SYSTEM RATING		80% of initial lumens at 50000 hours (L80)	

1. Approximate lumen output based on 3000K performance, see photometric test results for additional information.
2. 10W Can be **IC-Rated housing**.

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ORDERING INFORMATION

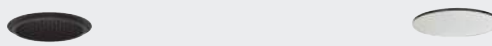
EM060	EF	6	2								
LED Module	Trim	Dimensions of Trim	Application	Trim Shape	Trim Style	Flangeless Trim	Safety Standard	Voltage	Lumen Output	Dimming Methods	Including Housing
EM060	EF	6 Nominal size: 60mm	2 Residential	RA Round adjustable RF Round fixed SA Square adjustable	01 Standard	F Flangeless Trim	A American standard	SV 120V MV 120-277V	L08 800lm L12 1200lm	V 0-10V T Triac X 0-10V/Triac	C New Construction R Remodel H Housing

ACCESSORIES (TO BE ORDERED SEPARATELY) FOR INSTALLATION CONSULT THE INSTRUCTION SHEET

OPTICAL ACCESSORY

HONEYCOMB FILTER
EM060-H

SOFT LENS
EM060-L



LUMEN MULTIPLIERS

CCT	MULTIPLIER
2700K	0.95
3000K	1.00
3500K	1.03
4000K	1.06

CRI	MULTIPLIER
80+	1.23
90+	1.00

STANDARD TRIM	MULTIPLIER
EF62RA01 (Round adjustable)	1.00
EF62RA02 (Round adjustable)	0.99
EF62RA03 (Round adjustable)	1.25
EF62RA04 (Round adjustable)	0.5
EF62SA04 (Square adjustable)	0.5
EF62RA05 (Round adjustable)	0.6
EF62SA05 (Square adjustable)	0.6
EF62RF01 (Round fixed)	0.7
EF62RF02 (Round fixed)	1.2
EF62RF03 (Round fixed)	1.22

Applying Lumen Multipliers to Calculate Delivered Lumens

Base Fixture Delivered Lumens (from PHOTOMETRIC DATA)	x	CCT Multiplier	x	CRI Multiplier	x	TRIM Multiplier	=	Delivered Lumens for Desired Fixture
STANDARD TRIM Example: EM060-EF62RF01		3500K		80+				
805.99 lm	x	1.03	x	1.23	x	0.7	=	714.77 lm

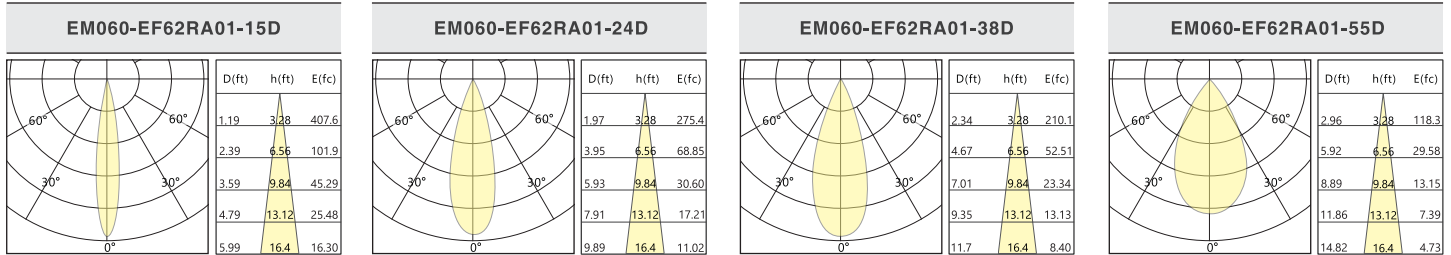
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PHOTOMETRIC DATA (NON-DIMMING)

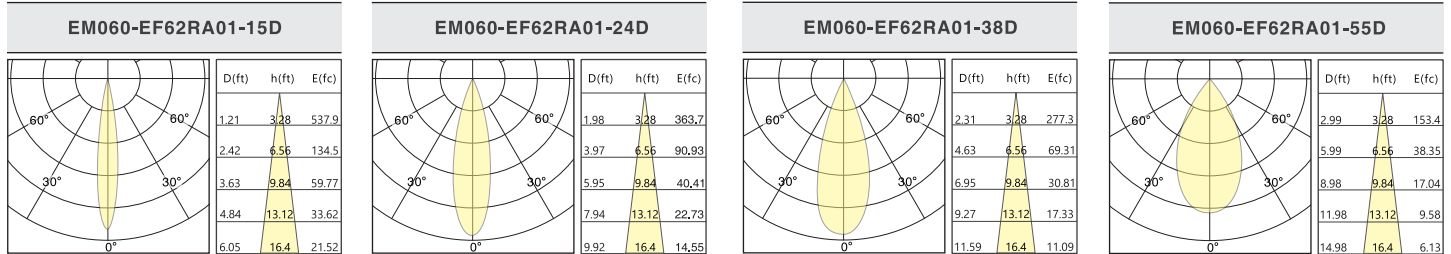
CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	10W	15°	805	80	4384
			24°	918	91	2963
			38°	906	90	2262
			55°	847	84	1272
		15W	15°	1085	79	5859
			24°	1218	88	3933
			38°	1199	87	2993
			55°	1119	81	1658

Above test data is based on **Round Adjustable** trim with 3000K 90CRI LED.

EM060-EF62RA01 10W



EM060-EF62RA01 15W

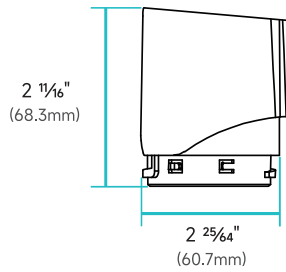


Above test data is based on **Round Adjustable** trim with 3000K 90CRI LED.

Project :	Type:
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DIMENSION

LED Module



Trim For Residential Series



	EF62RA01  3 ¹ / ₂ " (88mm) 2 ⁶ / ₆₄ " (75mm)		EF62RF01  3 ¹ / ₂ " (88mm) 2 ⁶ / ₆₄ " (75mm)
	EF62RA02  3 ¹ / ₂ " (88mm) 2 ⁶ / ₆₄ " (75mm)		EF62RF02  3 ¹ / ₂ " (85mm) 2 ⁶ / ₆₄ " (75mm)
	EF62RA03  3 ¹ / ₂ " (85mm) 2 ⁶ / ₆₄ " (75mm)		EF62RF03  3 ¹ / ₂ " (85mm) 2 ⁶ / ₆₄ " (75mm)
	EF62RA04  2 ⁶ / ₆₄ " (75mm) 2 ⁴ / ₆₄ " (68mm)		EF62SA04  2 ⁶ / ₆₄ " (75mm) 2 ⁴ / ₆₄ " (68mm)
	EF62RA05  2 ⁶ / ₆₄ " (75mm) 2 ⁴ / ₆₄ " (68mm)		EF62SA05  2 ⁶ / ₆₄ " (75mm) 2 ⁴ / ₆₄ " (68mm)

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INSTALLATION

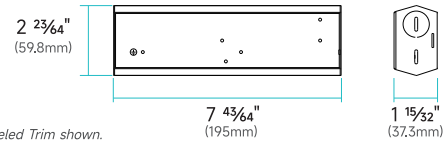


REMODEL

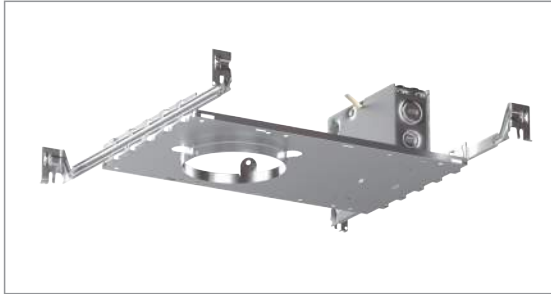
INSTALLATION

1. Direct connection with installed housing.
2. Operation temperature: -20°C - 40°C.

DIMENSION FOR REMODEL MOUNTED DRIVER



Note: Total height varies depending on trim, Beveled Trim shown.
 Minimum height: 3 29/32" (99mm)
 Maximum height: 4 5/64" (124.2mm)

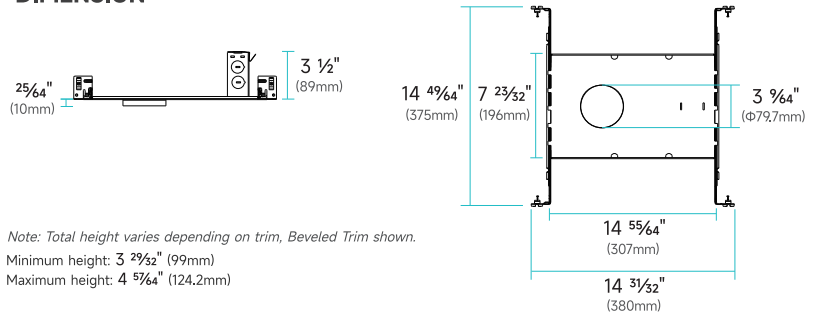


PLATE

INSTALLATION

1. Non-IC rated housings must be kept at a minimum of 3" away from insulation.
2. Fixture includes adjustable bar hangers (14"-25") for wood joist or t-bar ceiling installations.
3. Bar hangers can be installed in either direction.
4. Operation temperature: -20°C - 40°C.

DIMENSION



Note: Total height varies depending on trim, Beveled Trim shown.
 Minimum height: 4 29/32" (99mm)
 Maximum height: 4 5/64" (124.2mm)



IC RATED HOUSING

INSTALLATION

1. ETL Listed for direct contact with insulation.
2. Fixture includes adjustable bar hangers (14"-25") for wood joist or t-bar ceiling installations.
3. Bar hangers can be installed in either direction.
4. Operation temperature: -20°C - 40°C.

DIMENSION

