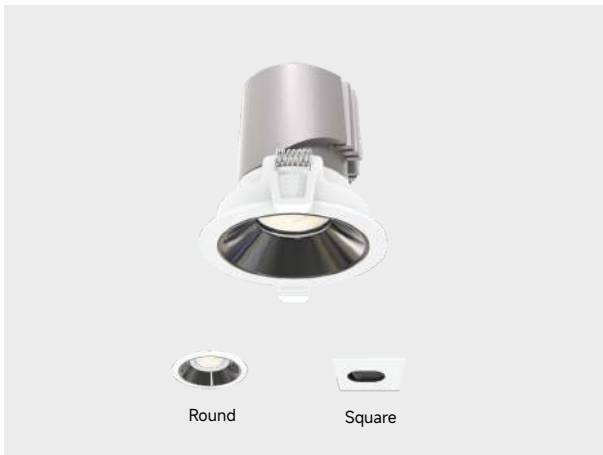


# ELLA-Residential

## EM060



### 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°, 50° 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.

### SPECIFICATIONS

#### ELECTRICAL

Power:	10W, 15W
Voltage:	220-240V / 100-277V AC
Frequency:	50/60Hz
Power Factor:	>0.90
Dimming :	0/1-10V / TRIAC / DALI / CASAMBI

#### OPTICAL

LED Type:	COB
Lumen Output:	906lm (10W), 1200lm (15W)
Beam Optic:	Narrow Spot (15°) / Spot (24°, 38°) / Flood (50°)
Color Quality:	CRI 80+/90+, SDCM≤3
Color Temperature:	Static White: 2700K, 3000K, 3500K, 4000K Tunable White: 2700K-6000K Dim-to Warm: 2000K-3000K

#### LUMINAIRE

Trim Color:	White / Black / Custom Finish*(Consult Factory)
Operating Temperature:	-10°C~30°C
Lifespan:	>50000h@80% (L80)
Warranty:	5 years Carefree for Parts and Components (Labor not included) LED luminaire life reduction and warranty invalidation will occur if installed in environments above 30°C

#### PHYSICAL

Adjustment Range:	Adjustable (0°-30°tilt)
Ceiling Thickness:	1mm to 20mm spring clip
Construction:	Aluminum
Mounting:	Recessed with spring clips

#### DETAILS





Type:

Project:

**ORDERING INFORMATION**

EM060							
MODULE	TRIM	LUMEN	TRIM COLOR	CRI	CCT	OPTIC	DIMMING
<input type="checkbox"/> <b>EM060</b> ELLA 75mm Aperture	<input type="checkbox"/> <b>EF62RA01</b> Wide Frame Big pinhole	<input type="checkbox"/> <b>L09</b> 900lm	<input type="checkbox"/> <b>W</b> White	<input type="checkbox"/> <b>8</b> 80+	<input type="checkbox"/> <b>27</b> 2700K	<input type="checkbox"/> <b>015</b> Narrow Spot 15°	<input type="checkbox"/> <b>V</b> 0/1-10V
	<input type="checkbox"/> <b>EF62RF01</b> Wide Frame Small Pinhole	<input type="checkbox"/> <b>L12</b> 1200lm	<input type="checkbox"/> <b>B</b> Black	<input type="checkbox"/> <b>9</b> 90+	<input type="checkbox"/> <b>30</b> 3000K	<input type="checkbox"/> <b>024</b> Spot 24°	<input type="checkbox"/> <b>T</b> Triac
	<input type="checkbox"/> <b>EF62RA02</b> Deep Frame Adjustable		<input type="checkbox"/> <b>C</b> Custom Finish *(Consult Factory)		<input type="checkbox"/> <b>35</b> 3500K	<input type="checkbox"/> <b>038</b> Spot 38°	<input type="checkbox"/> <b>X</b> 0-10V/Triac
	<input type="checkbox"/> <b>EF62RF02</b> Deep Frame Fixed				<input type="checkbox"/> <b>40</b> 4000K	<input type="checkbox"/> <b>050</b> Flood 50°	<input type="checkbox"/> <b>D</b> DALI
	<input type="checkbox"/> <b>EF62RA03</b> Inner Adjustable				<input type="checkbox"/> <b>TW</b> Tunable White 2700K-6000K		<input type="checkbox"/> <b>C</b> CASAMBI
	<input type="checkbox"/> <b>EF62RF03</b> Shallow Frame Reflector				<input type="checkbox"/> <b>DW</b> Dim To Warm 2000K-3000K		
	<input type="checkbox"/> <b>EF62RA04</b> Round Pinhole Adjustable						
	<input type="checkbox"/> <b>EF62SA04</b> Square Round Pinhole Adjustable						
	<input type="checkbox"/> <b>EF62RA05</b> Oval Pinhole Adjustable						
<input type="checkbox"/> <b>EF62SA05</b> Square Round Pinhole Adjustable							

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

**OPTICAL ACCESSORY**

**Honeycomb**  
 EM060-H



**Soft Lens**  
 EM060-L





Type:

Project:

**PHOTOMETRIC DATA (NON-DIMMING)**

LUMEN PACKAGE	POWER	CCT	15°			24°			38°			50°		
			LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA	LUMENS	EFFICACY	MAX CANDELA
EM060-EF62RA01	10W	3000K	781	74	4943	869	84	3853	906	90	2262	847	84	1272
EM060-EF62RA01	15W	3000K	1049	73	6753	1127	78	5047	1200	88	2993	1119	81	1658

Above test data is based on [Wide Frame Big pinhole\(EF62RA01\)](#) trim with 3000K 90CRI LED.

**LUMEN MULTIPLIERS**

CCT	MULTIPLIER
2700K	0.95
3000K	1.00
3500K	1.04
4000K	1.06

**Applying Lumen Multipliers to Calculate Delivered Lumens**

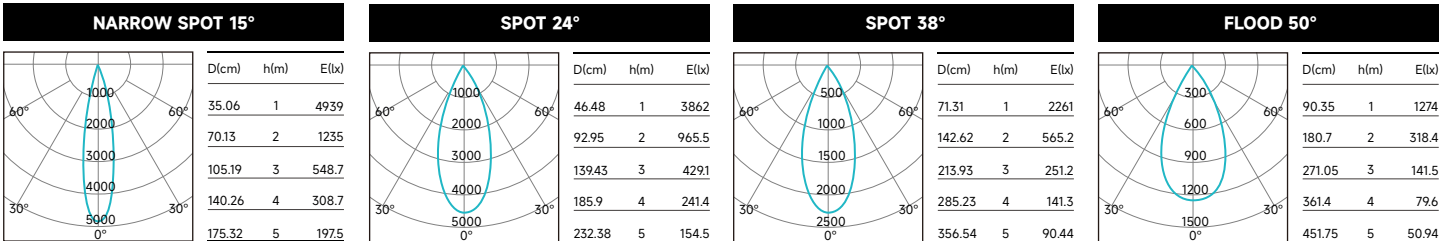
Base Fixture Delivered Lumens (from PHOTOMETRIC DATA) × CCT Multiplier = Delivered Lumens for Desired Fixture

**STANDARD TRIM Example: EM060-EF62RA01 10W 3500K**

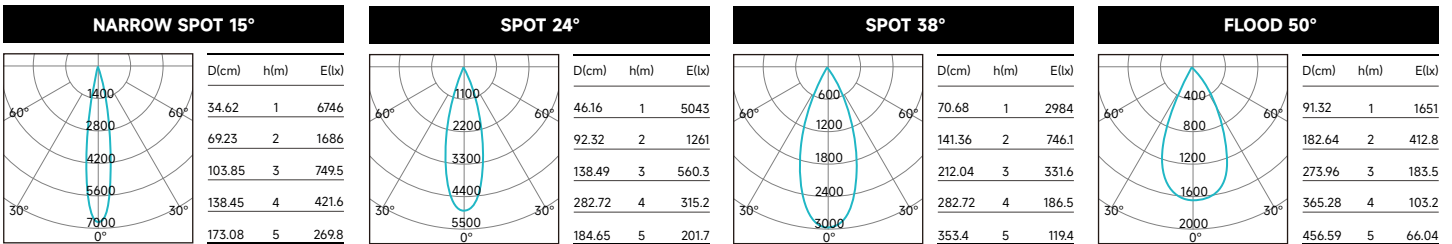
781 lm × 1.04 = 812 lm

**LIGHT DISTRIBUTION**

**3000K 10W**

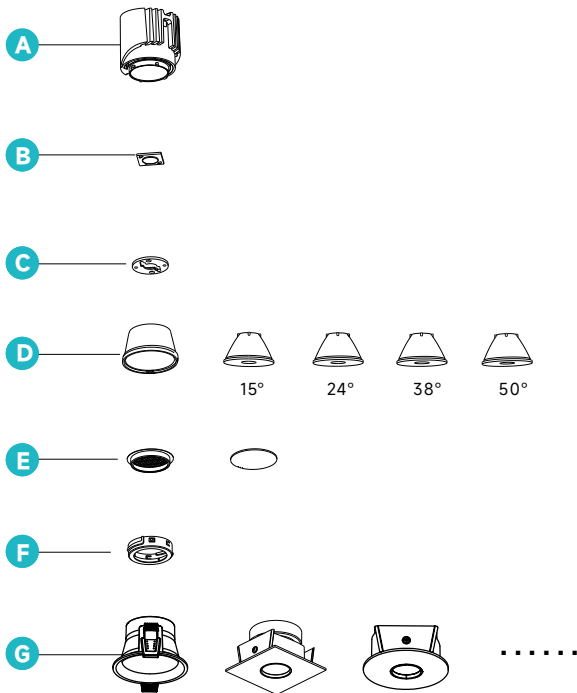
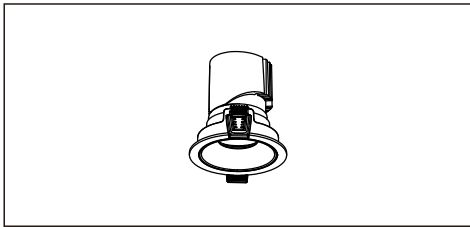


**3000K 15W**



Above test data is based on [Wide Frame Big pinhole\(EF62RA01\)](#) trim with 3000K 90CRI LED.

**EXPLODED OVERVIEW - PART SELECTION**

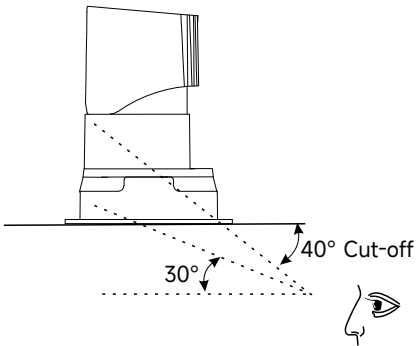


**PARTS**

- A** - Led Module
- B** - Light Source
  - Static White: 2700K, 3000K, 3500K, 4000K
  - Dim To Warm: 2000K-3000K
  - Tunable White: 2700K-6000K
- C** - LED Holder
- D** - Beam Lens (15° / 24° / 38° / 50°)
- E** - Honeycomb, Soft Lens
- F** - Fixed Ring
- G** - Wide Frame Big pinhole Trim For One Light Engine  
 Wide Frame Small Pinhole Trim For One Light Engine  
 Deep Frame Adjustable Trim For One Light Engine  
 Deep Frame Fixed Trim For One Light Engine  
 Inner Adjustable Trim For One Light Engine  
 Shallow Frame Reflector Trim For One Light Engine  
 Round Pinhole Adjustable Trim For One Light Engine  
 Round Trim For One Light Engine  
 Oval Pinhole Adjustable Trim For One Light Engine  
 Square Round Pinhole Adjustable Trim For One Light Engine  
 Square Oval Pinhole Adjustable Trim For One Light Engine

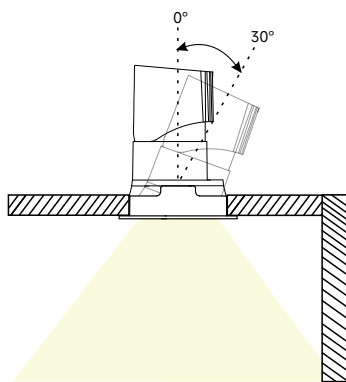
**BEAM CUT OFF ANGLE**

Adjustable (0°Tilt)



**ADJUSTMENT**

0° to 30° Tilt Adjustment

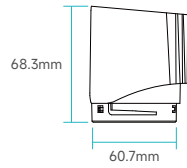


**DIMENSION**

**LED Module**



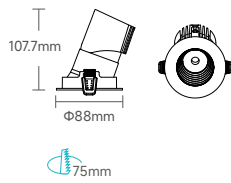
EM060



**Trim For ELLA-Hotel Series**



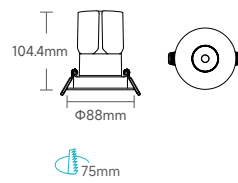
EM060-EF62RA01



Wide Frame Big pinhole



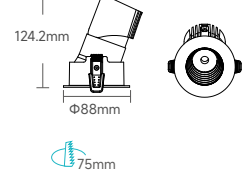
EM060-EF62RF01



Wide Frame Small Pinhole



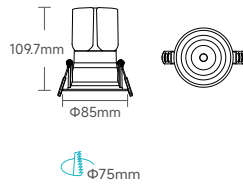
EM060-EF62RA02



Deep Frame Adjustable



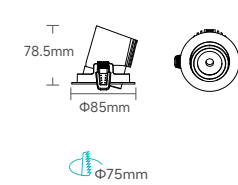
EM060-EF62RF02



Deep Frame Fixed



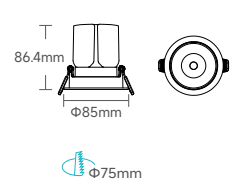
EM060-EF62RA03



Inner Adjustable



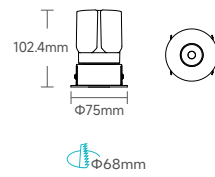
EM060-EF62RF03



Shallow Frame Reflector



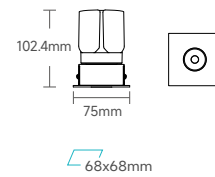
EM060-EF62RA04



Round Pinhole Adjustable



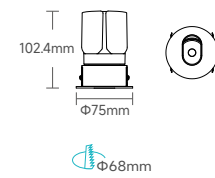
EM060-EF62SA04



Square Round Pinhole Adjustable



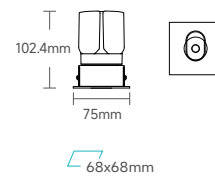
EM060-EF62RA04



Oval Pinhole Adjustable



EM060-EF62SA04



Square Oval Pinhole Adjustable



Type:

Project:



**ELLA DOWNLIGHT SYSTEM**

ELLA is the latest evolution of VILLA downlight system. In addition to aesthetic design, precise light control and great UGR, the versatility of ELLA, underwritten by its compact format and super modular design, one LED Module shares numerous mounting rings, display particular strength in hotels, residential, or any indoor commercial environments. Round as well as square designs with adjustable and fixed options, in various wattages enable nuanced adaptations to different needs.

**DETAILS**



Scan to know more about product information