



Type:

**SPECIFICATION SHEET**

Project:

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# ELLA-Commercial EM060



## DESCRIPTION

ELLA-Commercial series, it comes into round and square with super modular design, in various wattages, can be a good lighting solution for any indoor retails or commercial environments. 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.
- Round & square mounting rings with tiltable 30° axis, also can be dual-head.
- 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:	989lm (10W), 1320lm (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





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**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>EF63RA01</b> Round	<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>EF63SA01</b> Square	<input type="checkbox"/> <b>L13</b> 1300lm	<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>EF63SA02</b> Dual-head		<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>EF63SA03</b> Triple-head				<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>TW</b> Tunable White 2700K-6000K		<input type="checkbox"/> <b>C</b> CASAMBI
					<input type="checkbox"/> <b>DW</b> Dim To Warm 2000K-3000K		

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

**OPTICAL ACCESSORY**

**Honeycomb**  
 EM060-H



**Soft Lens**  
 EM060-L





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**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-EF63RA01	10W	3000K	878	85	5109	935	90	3898	989	99	2125	931	94	1159
EM060-EF63RA01	15W	3000K	1191	82	6872	1228	85	5184	1320	94	2840	1105	80	1372

Above test data is based on [Round Adjustable\(EF63RA01\)](#) trim with 3000K 90CRI LED.

**LUMEN MULTIPLIERS**

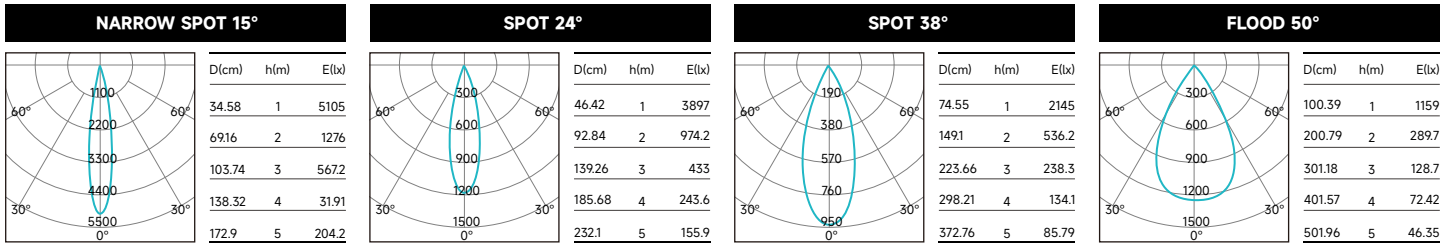
CCT	MULTIPLIER
2700K	0.95
3000K	1.00
3500K	1.04
4000K	1.06

**Applying Lumen Multipliers to Calculate Delivered Lumens**

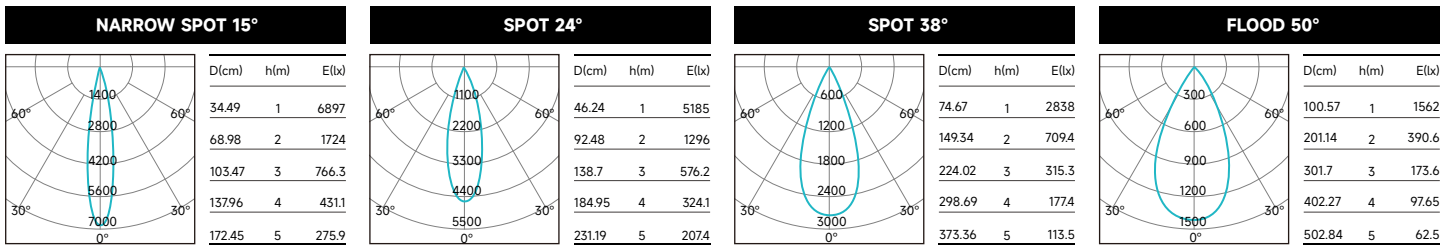
Base Fixture Delivered Lumens (from PHOTOMETRIC DATA)	x	CCT Multiplier	=	Delivered Lumens for Desired Fixture
<b>STANDARD TRIM Example: EM060-EF63RA01 10W 3500K</b>				
878 lm	x	1.04	=	913 lm

**LIGHT DISTRIBUTION**

**3000K 10W**

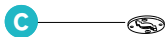
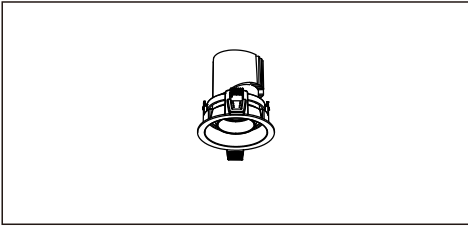


**3000K 15W**



Above test data is based on [Round Adjustable\(EF63RA01\)](#) trim with 3000K 90CRI LED.

**EXPLODED OVERVIEW - PART SELECTION**

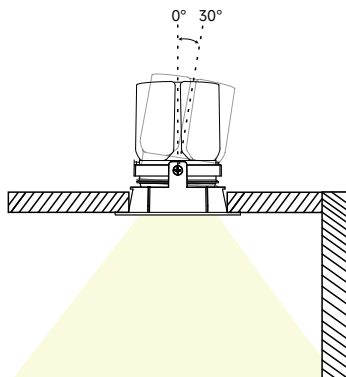


**PARTS**

- 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** - Round Trim For One Light Engine  
 Square Trim For One Light Engine  
 Dual-head Trim For Two Light Engine  
 Triple-head Trim For Three Light Engine

**ADJUSTMENT**

0° to 30° Tilt Adjustment

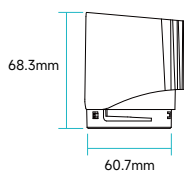


**DIMENSION**

**LED Module**



EM060

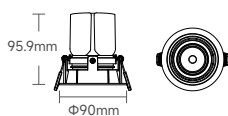


**Trim For ELLA-Hotel Series**



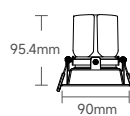
Round

EM060-EF63RA01



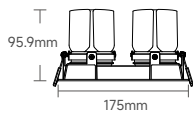
Square

EM060-EF63SA01



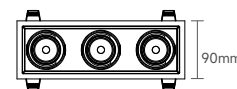
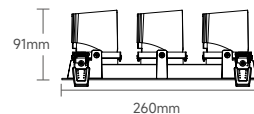
Dual-head

EM060-EF63SA02



Triple-head

EM060-EF63SA03





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### 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



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