



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°, 55° 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.

		EM060	
WATTAGE		10W	15W
LUMEN OUTPUT		1022lm	1357lm
BEAM OPTICS	Narrow Spot 	15°	
	Spot 	24°	
	Flood 	38°	
	Wide Flood 	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:		 $\frac{3}{4}'' - \frac{25}{32}''$ (1mm-20mm) Spring clip	
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.

ORDERING INFORMATION

EM060	EF	6	3								
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	3 Commercial	RA Round adjustable 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	CRI	MULTIPLIER	STANDARD TRIM	MULTIPLIER
2700K	0.95	80+	1.23	EF63RA01 (Round adjustable)	1.00
3000K	1.00	90+	1.00	EF63SA01 (Square adjustable)	0.99
3500K	1.03			EF63SA02 (Square adjustable)	1.87
4000K	1.06				

Applying Lumen Multipliers to Calculate Delivered Lumens

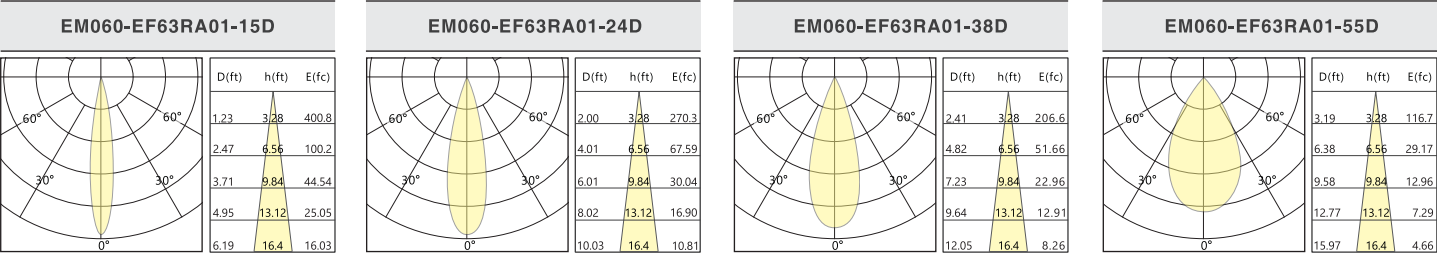
Base Fixture Delivered Lumens (from PHOTOMETRIC DATA)	x	CCT Multiplier	x	CRI Multiplier	x	TRIM Multiplier	=	Delivered Lumens for Desired Fixture
STANDARD TRIM Example: EM060-EF63SA01 3500K 80+								
964.74 lm	x	1.03	x	1.23	x	0.99	=	1210 lm

PHOTOMETRIC DATA (NON-DIMMING)

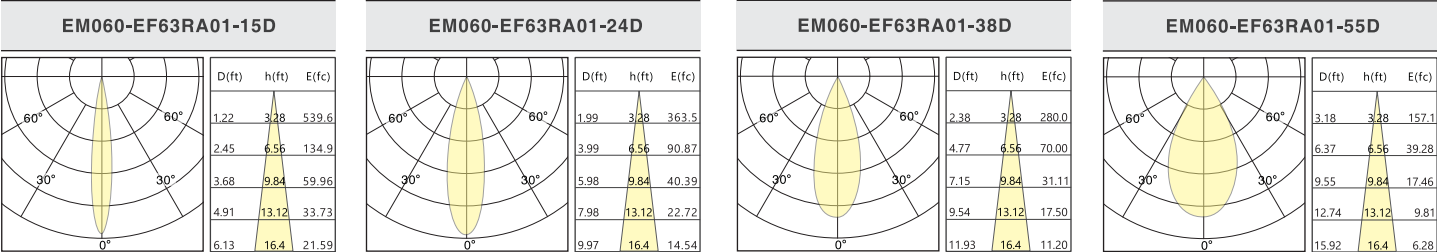
CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	10W	15°	964	96	4394
			24°	1022	101	2971
			38°	1018	101	2282
			55°	979	97	1310
		15W	15°	1281	93	5862
			24°	1357	98	3965
			38°	1351	98	3031
			55°	1318	95	1678

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

EM060-EF63RA01 10W



EM060-EF63RA01 15W

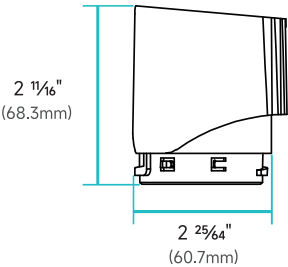


Above test data is based on Round Adjustable trim with 3000K 90CRI LED.

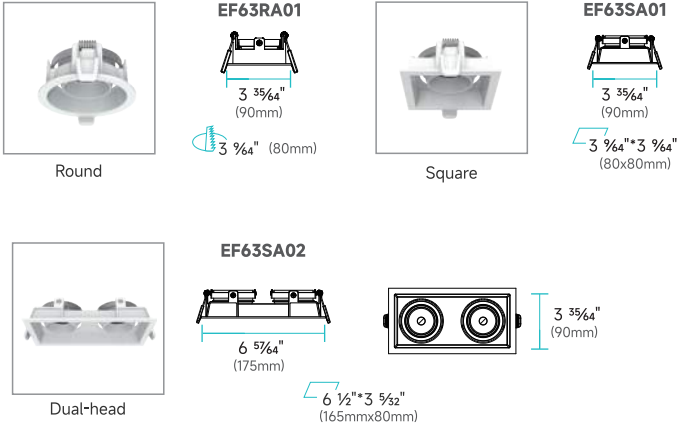
Project :	Type:
Product Code:	Date :

DIMENSION

LED Module



Trim For Commercial Series



Project :	Type:
Product Code:	Date :

INSTALLATION



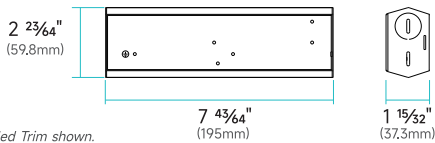
REMODEL

INSTALLATION

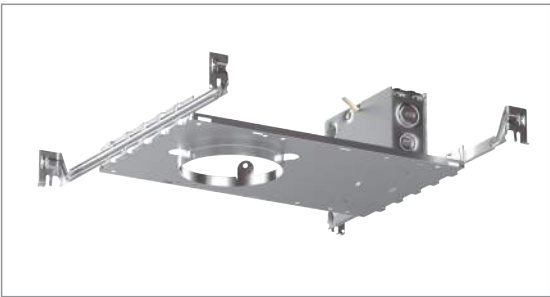
1. Direct connection with installed housing.

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: 3 29/32" (99mm)



PLATE

INSTALLATION

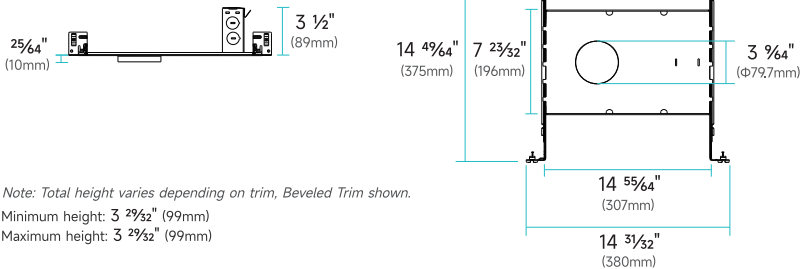
1. Non-IC rated housings must be kept at a minimum of 3" away from insulation.

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: 3 29/32" (99mm)
Maximum height: 3 29/32" (99mm)



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

