

MIA

3" DOWNLIGHT SERIES



The Mia Series is ideal for spot or accent lighting, achieving an almost invisible light aperture. Its modular design allows for numerous mounting configurations, available in both round and square shapes, with adjustable or fixed options. A honeycomb filter can be added to provide maximum visual comfort.

Features

- Elegant and compact design with versatile applications
- Precise light control with beam angle options of 15°, 24°, 38°, and 55°
- Multiple mounting ring options: round or square, adjustable or fixed
- Highly modular construction: LED module, mounting ring, beam lens, and anti-glare accessories can be replaced without tools

		EM060	
WATTAGE		10W	12W
LUMEN OUTPUT		918lm	1101lm
BEAM OPTICS	Narrow Spot 	15°	
	Spot 	24°	
	Flood 	38°	
	Wide Flood 	55°	
	Wallwash 	Wall Washing	
LIGHT COLOR		Static White: 2700K, 3000K, 3500K, 4000K Dim To Warm: 1800K–3000K	
COLOR QUALITY		CRI80+/90+, 3 SDCM	
INPUT WATTAGE		10W	12W
INPUT VOLTAGE		120/277V input, 50/60Hz	
POWER FACTOR		Greater than 0.9	
DIMMING TYPE		Triac / 0–10V dimming (10% – 100%); Dim to Warm (<1%–100%)	
CEILING THICKNESS:		 Spring clip $\frac{3}{64}" - \frac{25}{32}"$ (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		-4°F to 104°F (-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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ORDER CODE

Model	LED Module	Trim	Type	Trim Shape	Trim Style	Trim Type	Safety	Voltage	Lumen Output	Optic	Dimming	Housing
MIA	EM060	EF6					A					
	MIA = Standard	EF6 = Standard	1 = Hotel	RA = Round Adjustable RF = Round Fixed SQ = Square Adjustable	01 = Standard 02 = Wall Washing 03 = Wall Washing Dual Head 04 = Wall Washing Triple Head	00 = Flanged Trim T = Flangeless Trim* *Flangeless Trim available only for Trim Style 01 (Standard) and Trim Style 02 (Wall Washing)	A = American Standard	SV = 120V MV = 120-277V	L08 = 800 Lm L10 = 1000 Lm	15 = Narrow Spot 15° 24 = Spot 24° 38 = Flood 38° 55 = Wide Flood 55° WW = Wall Wash	X = 0-10V / Triac (10%-100%) M = Dim to Warm (<1%-100%)	R = Remodel P = Plate IC = IC Rated Housing
			2 = Residential	RA = Round Adjustable RF = Round Fixed SQ = Square Adjustable	01 = Standard 02 = Deep Frame 03 = Shallow 04 = Pin Hole 05 = Pin Hole Adjustable							
			3 = Commercial	RA = Round Adjustable SQ = Square Adjustable	01 = Standard 02 = Dual Head	00 = Flanged Trim						
			4 = Deep Anti-Glare	RF = Round Fixed SF = Square Fixed	01 = Standard							
			5 = Wall Washer	RF = Round Fixed SF = Square Fixed	01 = Standard							

Example order code: **MIA – EM060 – EF6 – 1 – RA – 01 – 00 – A – SV – L08 – 24 – X – R**

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

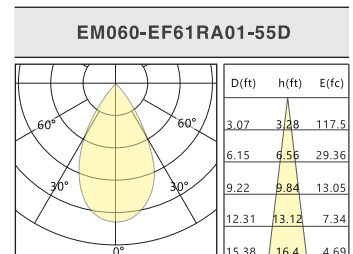
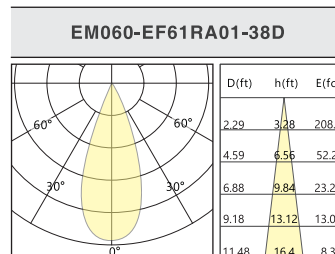
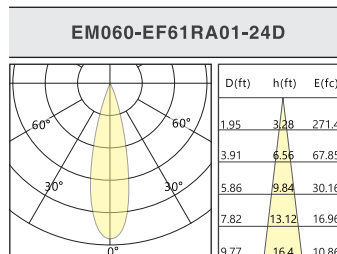
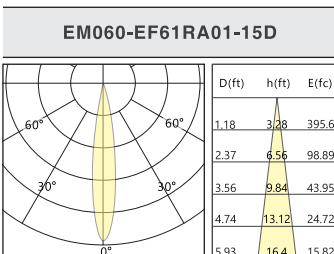
TYPE 1 / TYPE 2 / TYPE 3

PHOTOMETRIC DATA (NON-DIMMING)

CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	10W	15°	795	78	6244
			24°	920	91	2932
			38°	912	90	2248
			55°	869	86	1264

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

EM060-EF61RA01 10W



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

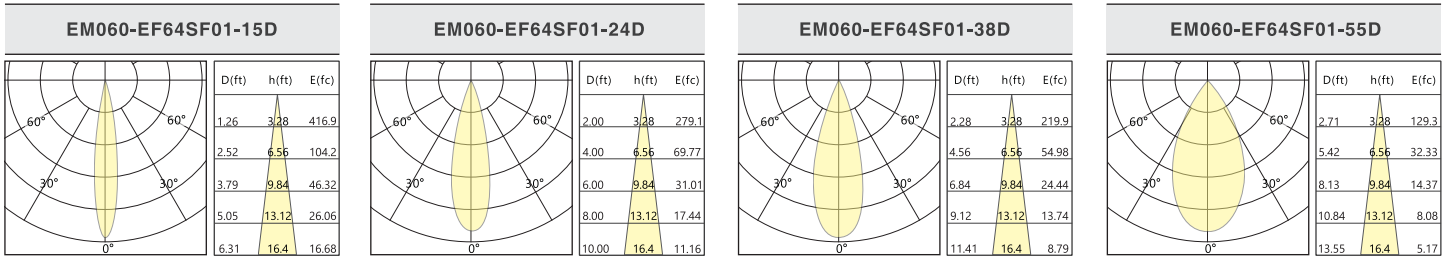
TYPE 4

PHOTOMETRIC DATA (NON-DIMMING)

CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	10W	15°	894	89	4489
			24°	966	96	3002
			38°	962	96	2366
			55°	905	90	1395

Above test data is based on **Square Fixed** trim with 3000K 90CRI LED.

EM060-EF64SF01 10W



Above test data is based on **Square Fixed** trim with 3000K 90CRI LED.

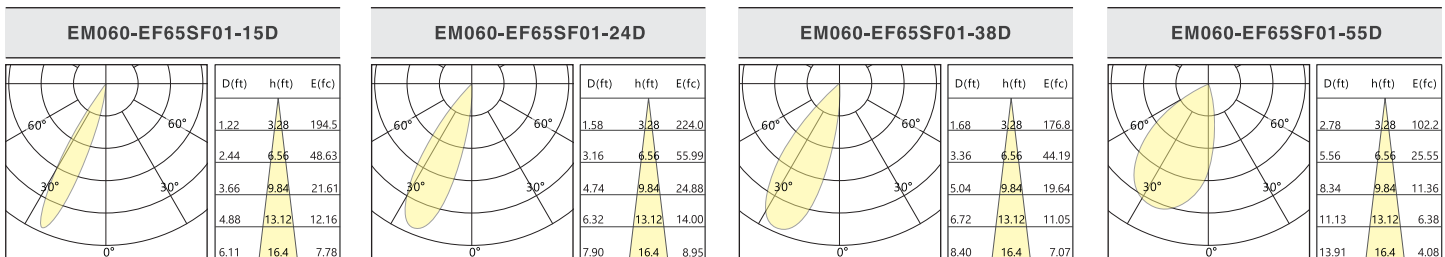
TYPE 5

PHOTOMETRIC DATA (NON-DIMMING)

CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	10W	15°	1000	99	4388
			24°	1032	103	2989
			38°	1027	102	2247
			55°	999	99	1260

Above test data is based on **Square Fixed** trim with 3000K 90CRI LED.

EM060-EF65SF01 10W



Above test data is based on **Square Fixed** trim with 3000K 90CRI LED.

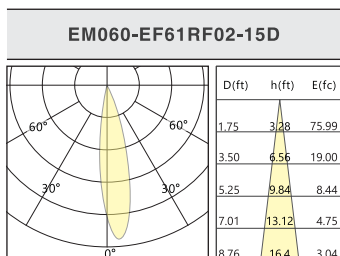
TYPE 1

PHOTOMETRIC DATA (NON-DIMMING)

CCT (K)	CRI	LOAD (W)	BEAM OPTIC	LUMENS (lm)	EFFICACY (lm/w)	MAX CANDELA (cd)
3000K	90	10W	Wall Washing	431	43	828
		15W		573	41	1106
		10Wx2		957	46	1909
		15Wx2		1474	49	2871
		10Wx3		1241	41	2398
		15Wx3		1981	45	3803

Above test data is based on **Wall Washing** trim with 3000K 90CRI LED.

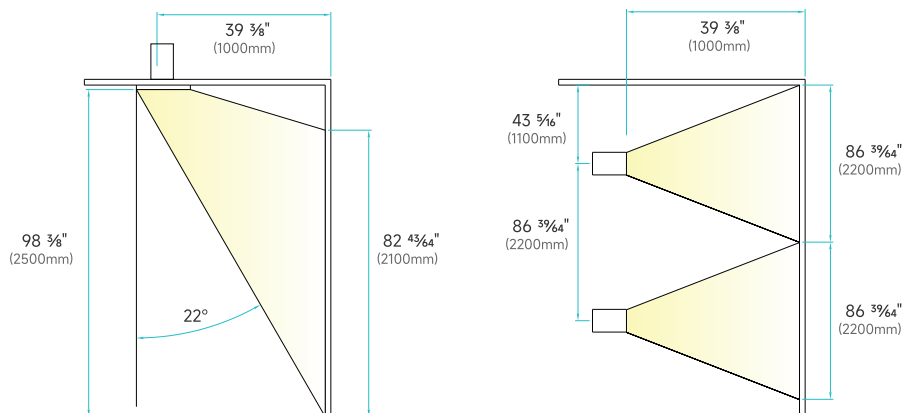
EM060-EF61RF02 10W



Above test data is based on **Wall Washing** trim with 3000K 90CRI LED.

TYPE 1 / TYPE 5

WALL WASHING SUGGESTED SPACING AND WALL DISTANCE



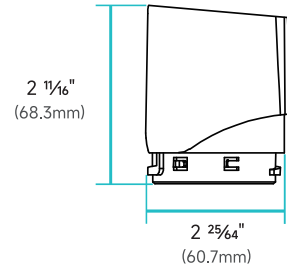
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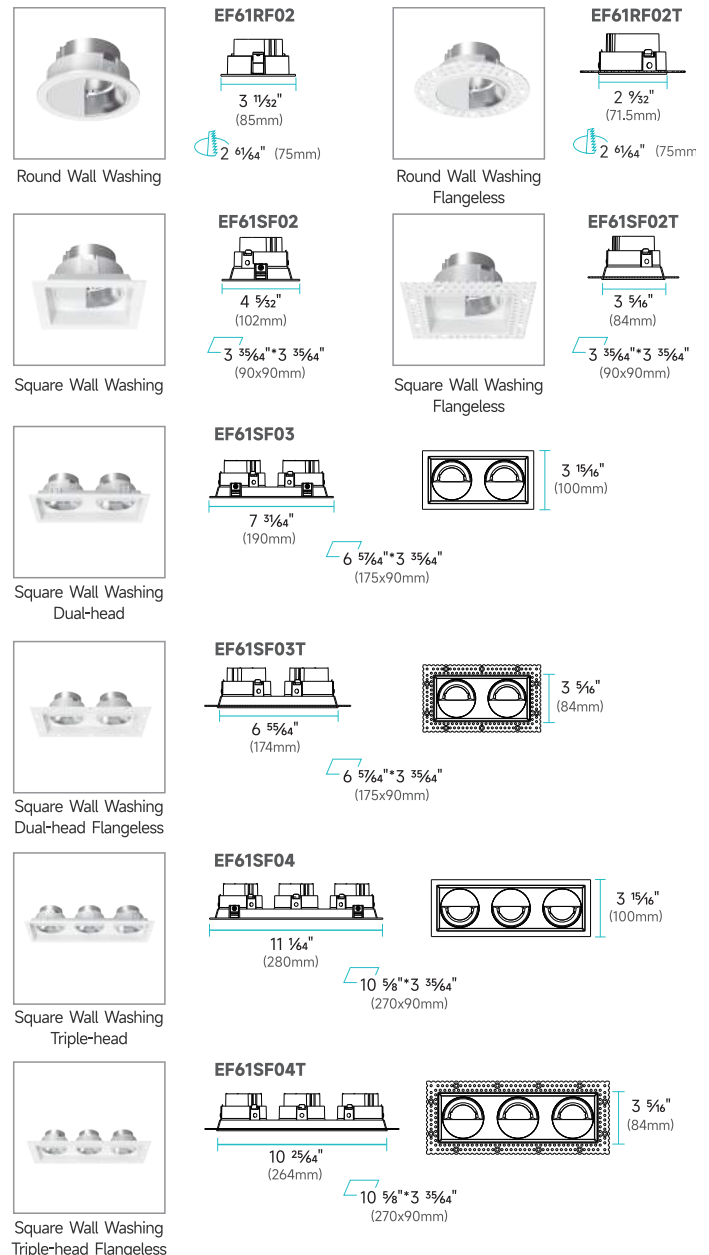
DIMENSION



LED Module



Trim — TYPE 1

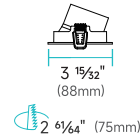


Trim — TYPE 2



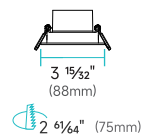
Wide Frame
Big pinhole

EF62RA01



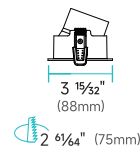
Wide Frame
Small Pinhole

EF62RF01



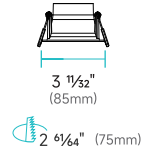
Deep Frame
Adjustable

EF62RA02



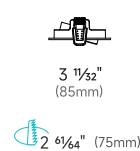
Deep Frame Fixed

EF62RF02



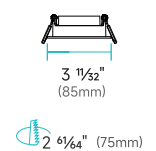
Inner Adjustable

EF62RA03



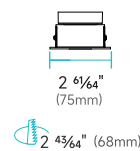
Shallow Frame
Reflector

EF62RF03



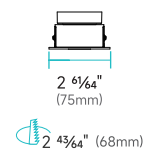
Round Pinhole
Adjustable

EF62RA04



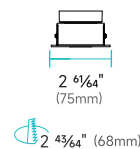
Square Round
Pinhole Adjustable

EF62SA04



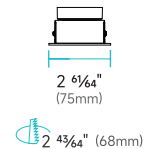
Oval Pinhole
Adjustable

EF62RA05

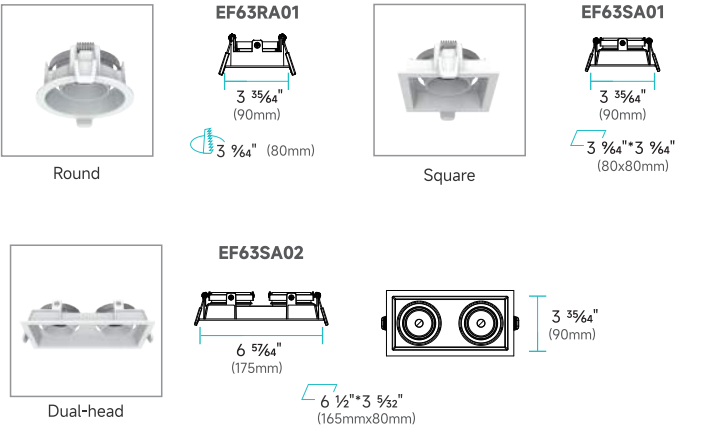


Square Round
Pinhole Adjustable

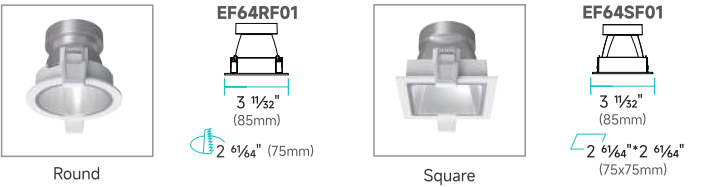
EF62SA05



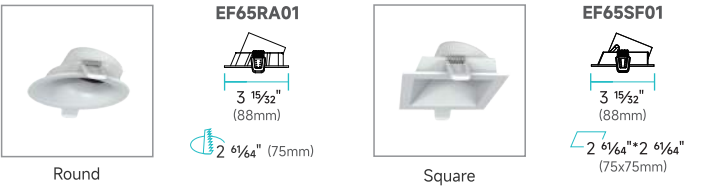
Trim — TYPE 3



Trim — TYPE 4



Trim — TYPE 5



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INSTALLATION

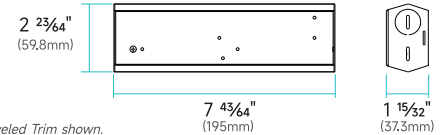


REMODEL

INSTALLATION

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

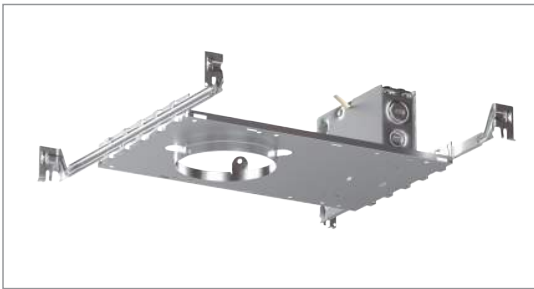
DIMENSION FOR REMODEL MOUNTED DRIVER



Note: Total height varies depending on trim, Beveled Trim shown.

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

Maximum height: 4 57/64" (124.2mm)

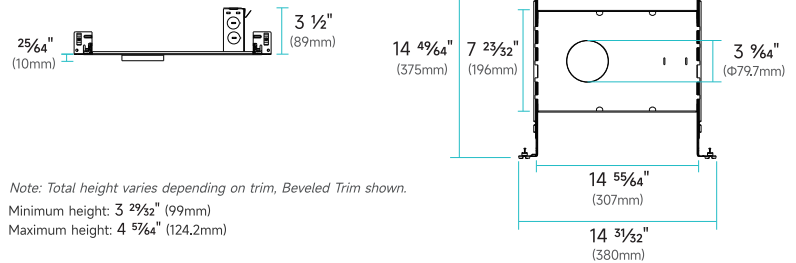


PLATE

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: 3 29/32" (99mm)

Maximum height: 4 57/64" (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

