PROJECT:
TYPE:

E50 Series Architectural Downlights

LED INDUSTRIES

LED Industries Inc.
13450 FM 529 Houston, TX 77041
www.poelightingusa.com
www.ledindustriesusa.com
Phone: 800-784-0698

PROJECT:
TYPE:

E50 Series Architectural Downlights

Statistics

GENERAL
recessed

LED
COB / SMD LED module

2700K, 3000K, 4000K

CRI > 80, CRI >90

ESTIMATED LED LIFETIME
L80 / 50,000h

OPTICAL
direct illumination

beam angle 22°, 36°, 60°

MATERIAL
aluminium

electroplating

CERTIFICATION
Low Voltage Lighting Systems
UL 2108
CSA C22.2#250.2

Features

Versatile Compatibility
The module seamlessly fits custom mounting rings or any MR-16 fitting, catering to a broad spectrum of applications. This adaptabilityyensures it can be effortlessly integrated into various setups.

Modular Efficiency
Innovative modular design is a game-changer, allowing customers to streamline their stock. This enhances efficienct by offering a single solution for multiple scenarios.

Anti-glare Excellence
Experience lighting perfection with the anti-glare reflector featuring three distinct beam angles. Revel in the brilliance of illumination comparable to MR16 halogen bulbs, but with the added benefit of minimized glare for a more comfortable and visually pleasing ambiance.

Thermal

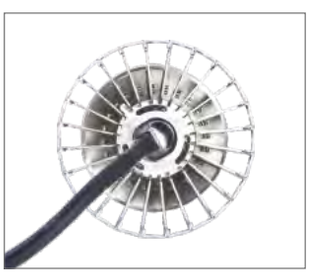
Non-housing IC rated design with excellent heat dissipation.

Metal housing not required.

Direct contact between the combustible substances and/or insulation is permissible.

Thermo-optimal design ensures long lifetime.

E50 series delivers equivalent light to premium AC halogen lights.



Streamlined heatsink,composed of closely packed fins,maximize the efficient dissipation of heat.

Intertek
5003178

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PROJECT:

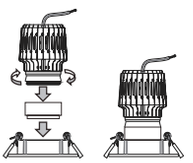
ORDERING INFORMATION:

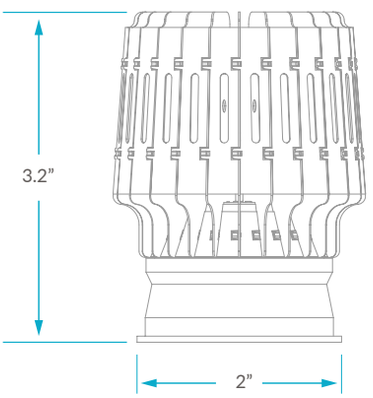
Example: LI-E50-R5-7W-27-90-36-WRAFR-WHT-WHT

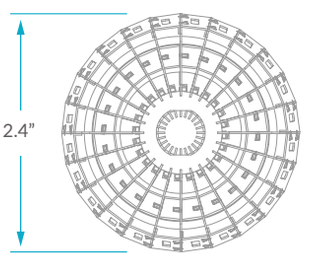
Item Code	Wattage	CCT	CRI	Beam Angles	Trim Options	Trim Finish	Refelctor Finish
LI-E50	R5-7W	27	90	36	WRAFR	WHT	WHT

Item Code	Wattage	Lumens	CCT	CRI	Electrical	Beam Angles	Trim Options	Trim Finish	Reflector Finish
LI-E50	R5 - 7W @ 0.20Amps R7 - 9W @ 0.25Amps R10 - 13W @ 0.36Amps	750lm 960lm 1400lm	27 - 2700K 30 - 3000K 40 - 4000K	>80 >90	100% PoE Dimming Triac DIM	22 - 22° 36 - 36° 60 - 60°	Choose part number from the selections below	WHT - White BLK - Black	WHT - White BLK - Black SLV - Silver

ETL Listing Number:
EVO50-R5

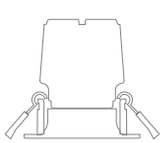






TRIMS

WRR
BRR



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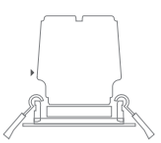
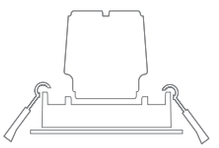


WRIR

WRGUS



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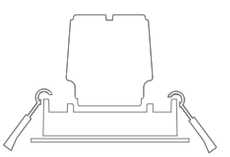

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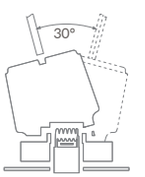

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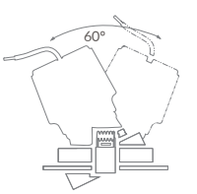

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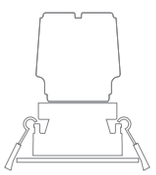
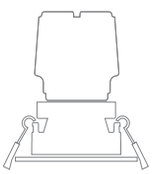


WRDR

WRAFS



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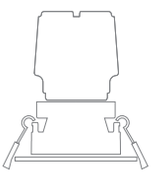
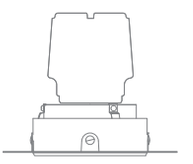
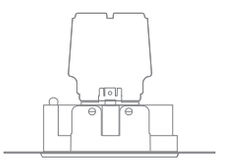


TLRW, TLRS, TLRB



TLSW, TLSS, TLSB



RARW, RARB

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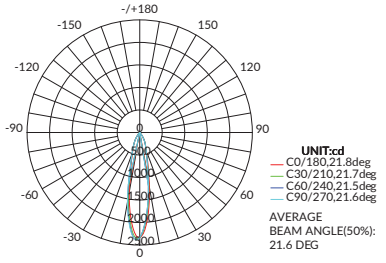
7W SPECIFICATIONS

MODEL	GENERAL					LIFE			
	DIMENSIONS (IN)			DRIVER DIMENSIONS (IN)	FINISH	HOURS	YEARLY COST	YEARS	WARRANTY
	LENS WIDTH	HEAT SINK WIDTH	HEIGHT						
LI-E50-R5	2	2.4	3.2	6L X 2.5W X 2H	ALUMINUM WITH NICKEL PLATING	50,000	$0.84	45.7	5 YEAR

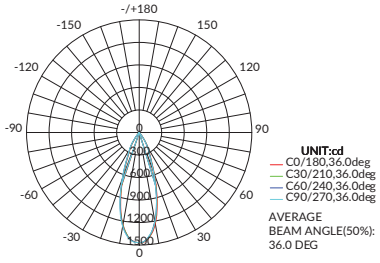
MODEL	ELECTRICAL (MODULE)			
	CHIP	POWER Wattage	INPUT	POWER FACTOR
LI-E50-R5	CITIZEN	7	0.200 Amps @ 36Volts	0.9

MODEL	PHOTOMETRIC								CERTIFICATIONS	
	CCT Correlated Color Temperature	LUMEN Delivered Lumen	CBCP Center Beam Candle Power			LM/W Lumen Per Watt	UGR Unified Glare Rating	CRI Color Rendering Index	FCC	ETL
			22°	36°	60°					
LI-E50-R5/927	2700K - WARM WHITE	650	2386	1470	831	92	19	92		
LI-E50-R5/930	3000K - SOFT WHITE	700	2584	1545	910	100	19	92		
LI-E50-R5/940	4000K - COOL WHITE	750	2729	1643	969	107	19	92		

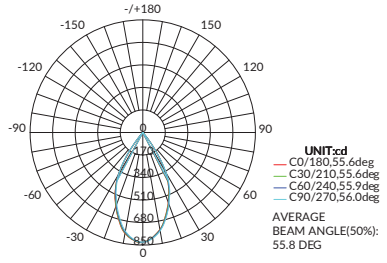
PHOTOMETRY



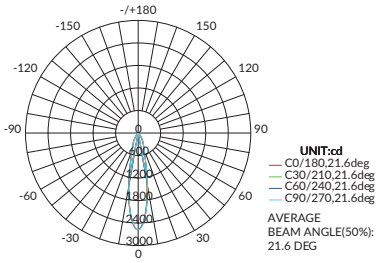
LI-E50-R5/927/22D



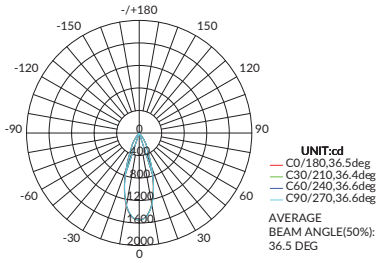
LI-E50-R5/927/36D



LI-E50-R5/927/60D



LI-E50-R5/930/22D



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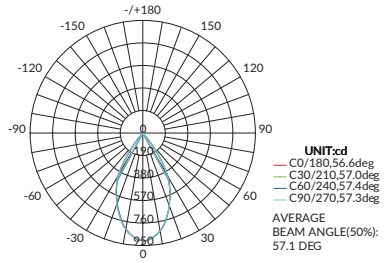

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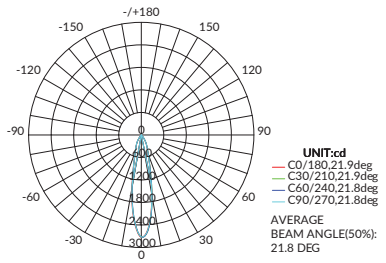
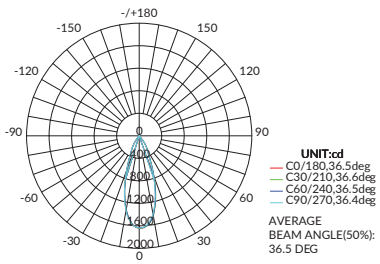
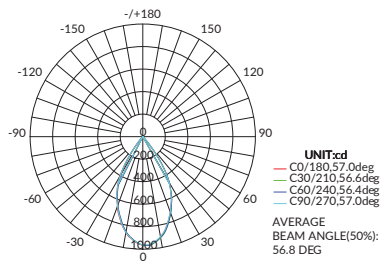


LI-E50-R5/940/22D



LI-E50-R5/940/36D



LI-E50-R5/940/60D

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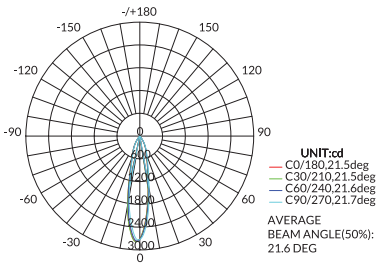
9W SPECIFICATIONS

MODEL	GENERAL					LIFE			
	DIMENSIONS (IN)			DRIVER DIMENSIONS (IN)	FINISH	HOURS	YEARLY COST	YEARS	WARRANTY
	LENS WIDTH	HEAT SINK WIDTH	HEIGHT						
LI-E50-R7	2	2.4	3.2	6L X 2.5W X 2H	ALUMINUM WITH NICKEL PLATING	50,000	$1.08	45.7	5 YEAR

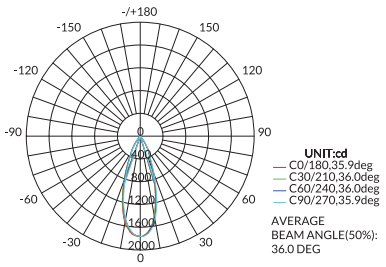
MODEL	ELECTRICAL (MODULE)			
	CHIP	POWER Wattage	INPUT	POWER FACTOR
LI-E50-R7	CITIZEN	9	0.250 Amps @ 36Volts	0.9

MODEL	PHOTOMETRIC							CERTIFICATIONS	
	CCT Correlated Color Temperature	LUMEN Delivered Lumen	CBCP Center Beam Candle Power			LM/W Lumen Per Watt	UGR Unified Glare Rating	CRI Color Rendering Index	FCC	ETL
			22°	36°	60°					
LI-E50-R7/927	2700K - WARM WHITE	800	2791	1764	999	88.9	20	92	⬢	ETL
LI-E50-R7/930	3000K - SOFT WHITE	850	3093	1838	1085	94.4	20	92	⬢	ETL
LI-E50-R7/940	4000K - COOL WHITE	900	3269	1964	1159	100	20	92	⬢	ETL

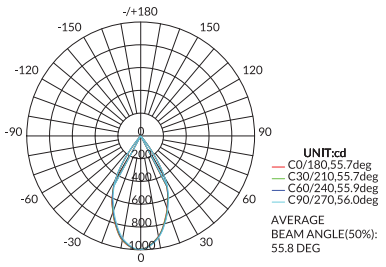
PHOTOMETRY



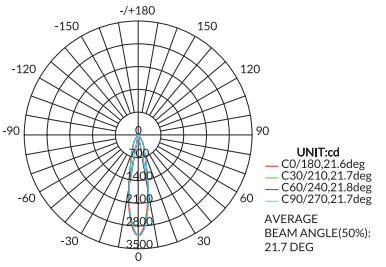
LI-E50-R7/927/22D



LI-E50-R7/927/36D



LI-E50-R7/927/60D



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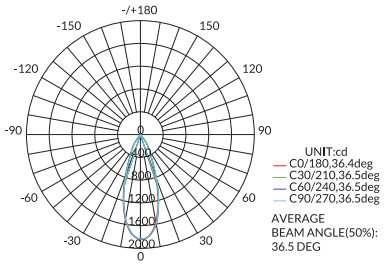

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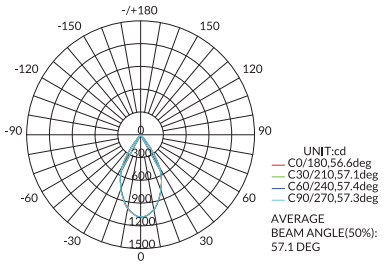

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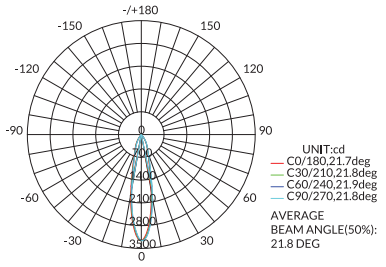

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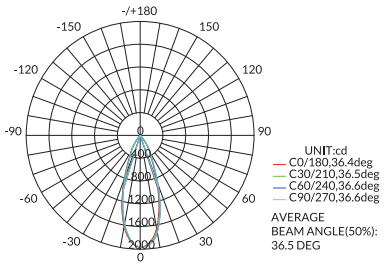
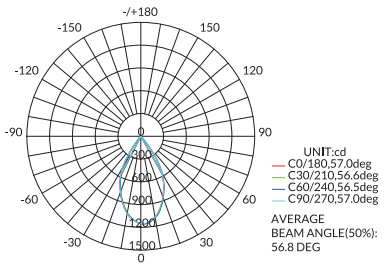


LI-E50-R7/940/36D



LI-E50-R7/940/60D

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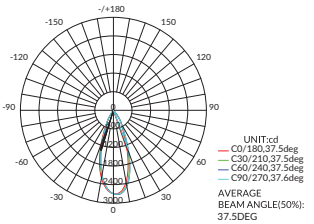
13W SPECIFICATIONS

MODEL	GENERAL					LIFE			
	DIMENSIONS (IN)			DRIVER DIMENSIONS (IN)	FINISH	HOURS	YEARLY COST	YEARS	WARRANTY
	LENS WIDTH	HEAT SINK WIDTH	HEIGHT						
LI-E50-R10	2	2.4	3.2	6L X 2.5W X 2H	ALUMINUM WITH NICKEL PLATING	50,000	$1.08	45.7	5 YEAR

MODEL	ELECTRICAL (MODULE)			
	CHIP	POWER Wattage	INPUT	POWER FACTOR
LI-E50-R10	CITIZEN	13	0.360 Amps @ 36Volts	0.9

MODEL	PHOTOMETRIC								CERTIFICATIONS	
	CCT Correlated Color Temperature	LUMEN Delivered Lumen	CBCP Center Beam Candle Power			LM/W Lumen Per Watt	UGR Unified Glare Rating	CRI Color Rendering Index	FCC	ETL
			22°	36°	60°					
LI-E50-R10/927	2700K - WARM WHITE	1200	5050	2872	1705	92	20	90	⬢	ETL
LI-E50-R10/930	3000K - SOFT WHITE	1300	5130	3035	1781	100	20	90	⬢	ETL
LI-E50-R10/935	3500K - NATURAL	1400	5232	3288	1996	107	20	90	⬢	ETL
LI-E50-R10/940	4000K - COOL WHITE	1400	5232	3288	1996	107	20	90	⬢	ETL

PHOTOMETRY



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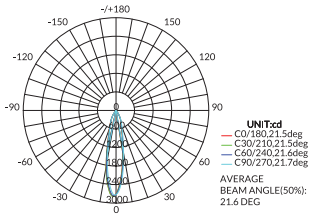
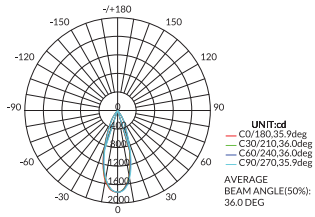
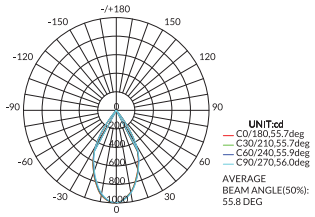


LI-E50-R10/927/22D



LI-E50-R10/927/36D



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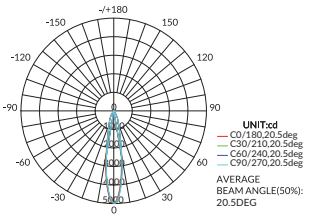
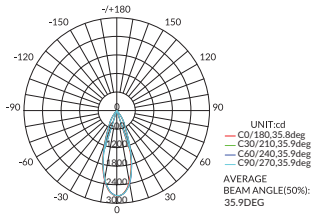
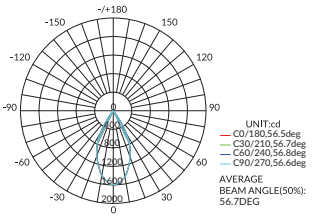


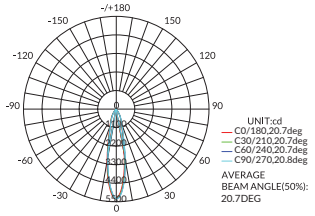
LI-E50-R10/930/22D



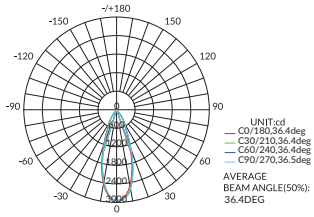
LI-E50-R10/930/36D



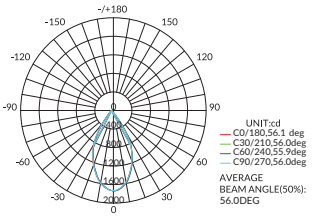
LI-E50-R10/930/60D



LI-E50-R10/940/22D



LI-E50-R10/940/36D



LI-E50-R10/940/60D

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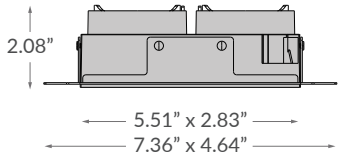
2-HEAD SQUARE TRIMLESS *ADJUSTABLE

AS50225
TLSW2
2-HEAD
Recessed Square
Trimless White

AS50226
TLSB2
2-HEAD
Recessed Square
Trimless Black



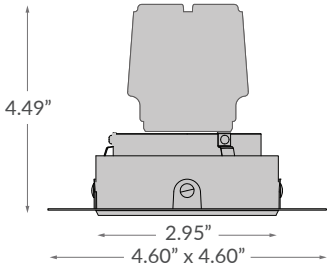
CUTOUT: 5.78” x 3.14”
PLATE (KNOCKOUT #): 1007 (#1)
PLEASE NOTE THIS IS AN EXACT FIT

ROUND TRIMLESS

AS50217
TLRW
Recessed Round
Trimless White

AS50218
TLRB
Recessed Round
Trimless Black

AS50219
TLRS
Recessed Round
Trimless Silver

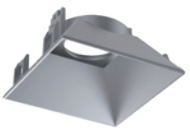


CUTOUT: 3.15”
PLATE (KNOCKOUT #): 1002 (#0)

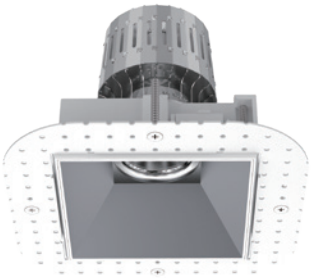
SQUARE TRIMLESS

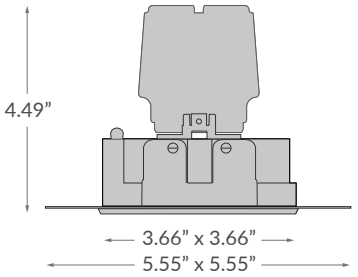
AS50220
TLSW
Recessed Square
Trimless White

AS50221
TLSB
Recessed Square
Trimless Black



AS50222
TLSS
Recessed Square
Trimless Silver





CUTOUT: 4.09”
PLATE (KNOCKOUT #): 1005 (#1)

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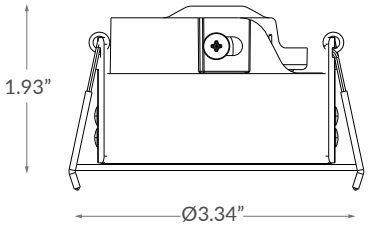
PINHOLE INTERCHANGEABLE TRIMS

RECESSED MODULE TRIM

ARWWB
WHITE/BLACK

ARBBG
BLACK/GOLD

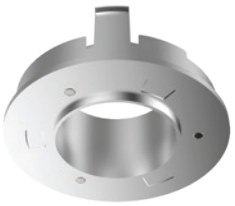
DIMENSIONS



CUTOUT: Ø2.95”

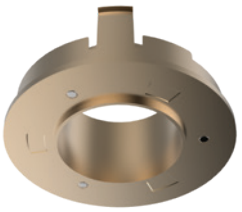
PLATE (KNOCKOUT #):
1002 (#0)
1006 (#1)

REFLECTOR

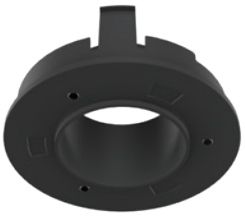


AS50252
METALLIC

AS50253
WHITE

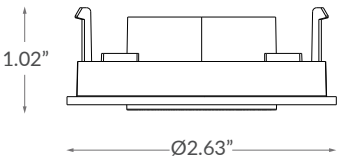


AS50254
GOLD



AS50255
BLACK

DIMENSIONS



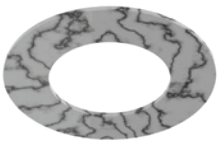
TRIM

AS50260
MATTE BLACK

AS50261
GLOSS BLACK

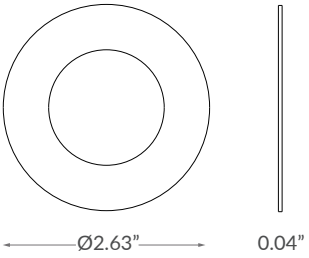
AS50262
WOOD

AS50263
WHITE



AS50264
MARBLE

DIMENSIONS



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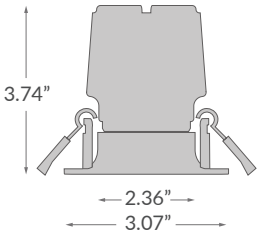
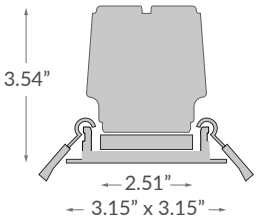
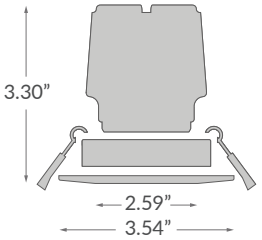
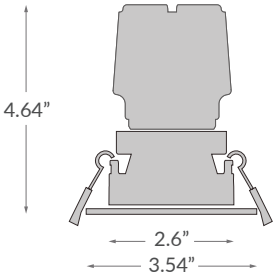
TRIMS

MODEL		DIMENSIONS
WRR Recessed Round **BRR** Recessed Round		 CUTOUT: 2.75” PLATE (KNOCKOUT #): 1004 (1)
WRS Recessed Square		 CUTOUT: 2.75” PLATE (KNOCKOUT #): 1004 (1)
WRIR Recessed IP44 Round (WET LOCATION RATED)		 CUTOUT: 3” PLATE (KNOCKOUT #): 1002 (#0)
WRFR Recessed Reflector Round		 CUTOUT: 3” PLATE (KNOCKOUT #): 1002 (#0)

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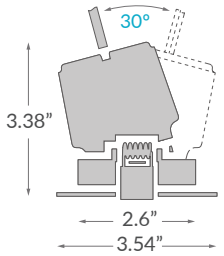
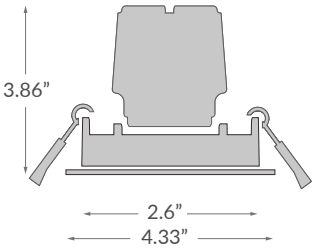
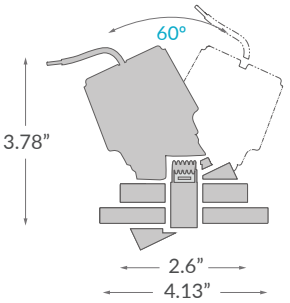
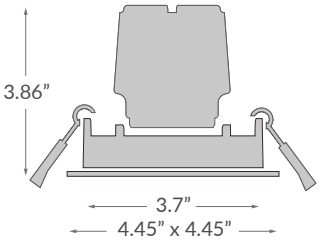
TRIMS

MODEL		DIMENSIONS
WRGSR Recessed 30° Gimbal Small Round		 CUTOUT: 3” PLATE (KNOCKOUT #): 1002 (#0)
WRGUR Recessed Gimbal Universal Round		 CUTOUT: 3.74” PLATE (KNOCKOUT #): 1004 (#2)
WRGR Recessed 60° Gimbal Round		 CUTOUT: 3.5” PLATE (KNOCKOUT #): 1004 (#2)
WRGUS Recessed Gimbal Universal Square		 CUTOUT: 3.74” PLATE (KNOCKOUT #): 1004 (#2)

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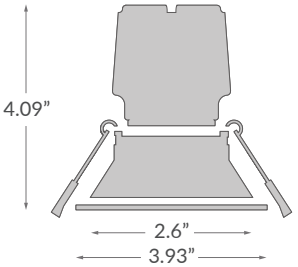
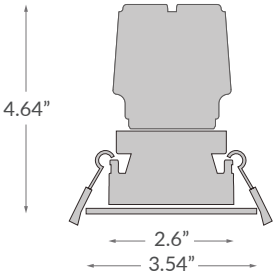
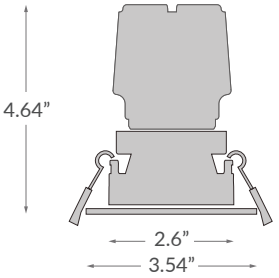
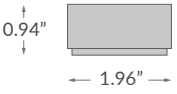
TRIMS

MODEL		DIMENSIONS
WRDR Recessed Deep Round		 CUTOUT: 3.50” PLATE (KNOCKOUT #): 1004 (#2)
WRAFS Recessed Adjustable Reflector Square		 CUTOUT: 3” PLATE (KNOCKOUT #): 1002 (#0)
WRAFR Recessed Adjustable Reflector Round		 CUTOUT: 3” PLATE (KNOCKOUT #): 1002 (#0)

EXTENDERS

MODEL			DIMENSIONS
RARW White Trim Extender		**RARB** BlackTrim Extender	

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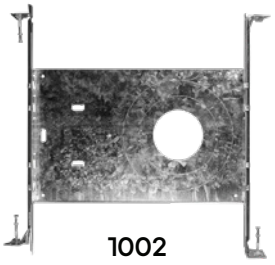
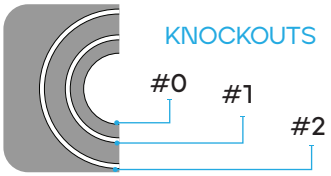
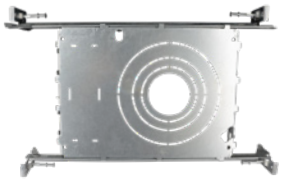
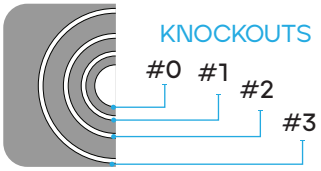
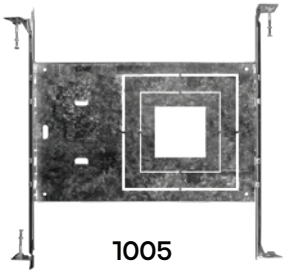
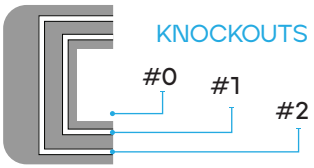
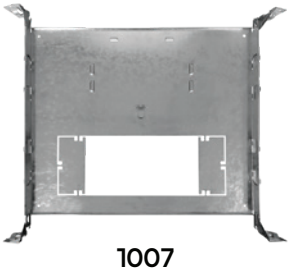
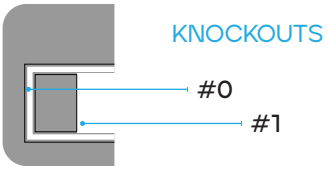
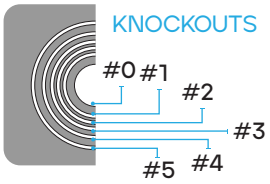
MOUNTING PLATE

MODEL	KNOCKOUT	KNOCKOUT SIZE
 1002		KNOCKOUT SIZE #0 Ø3.14" (Ø80 mm) #1 Ø4.33" (Ø110 mm) #2 Ø6.29" (Ø160 mm)
 1004		KNOCKOUT SIZE #0 Ø2.125" (Ø54 mm) #1 Ø2.83" (Ø72 mm) #2 Ø3.75" (Ø95 mm) #3 Ø5.19" (Ø132 mm)
 1005		KNOCKOUT SIZE #0 2.75"x2.75" (70 mm) #1 4.25"x4.25" (108 mm) #2 6.29"x6.29" (160 mm)
 1007		KNOCKOUT SIZE #0 7.36"x3.74" (187x95mm) #1 10.82"x3.74" (275x95 mm)
1006		KNOCKOUT SIZE #0 Ø2.12" (Ø54 mm) #1 Ø3.15" (Ø80 mm) #2 Ø3.75" (Ø95 mm) #3 Ø4.25" (Ø108 mm) #4 Ø5.25" (Ø132 mm) #5 Ø6.25" (Ø159 mm)

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