

SENSE 4.0

Adjustable ,Fixed & Wall Wash Downlight



SENSE DOWNLIGHTS

Provide ultimate design flexibility from its modular, scalable design. Fixture sizes range from 1" to 5" and are all available in a variety of reflector finishes in both round and square shapes, able to match any décor. Precision TIR optics combined with set screw aiming deliver light where you need it.



FEATURES

- Flangeless fixture installation provides a clean, sleek and modern appearance
- Reflectors are easily changeable in the field
- Use the wet location rated trim for indoor shower or outdoor soffit applications

GOOD TO KNOW

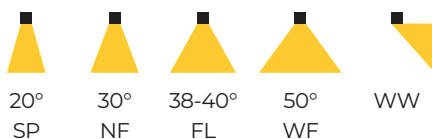
- The Sense Family of fixtures offers sizes and features that provide solutions for the complete lighting project
- A Single LED Module works with all available trims, housings and reflectors
- Set screws offer precise adjustment of vertical aiming angle up to 30° either before or after fixture installation



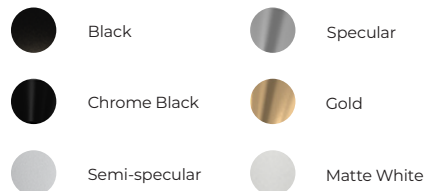
SPECIFICATIONS

Optical

- Beam Angle



- Reflector Finish



- Color Temperature



Mechanical

- Three-piece fixture construction; LED Module, Trim, and Housing
- Self-flanged, flangeless drywall trim rings
- Die cast aluminum trims

- Self-flanged trims install with swing out arms and set screws
- Flangeless trims install with mud ring and drywall screws

- Install in ceilings between 1/4" and 1" thick
- Fixture rotates up to 355° and tilt up to 30°
- Spring loaded module uses set screws to preset fixture tilt prior to installation

Housing

- New construction steel frame supplied with universal bar hangers - Butterfly bracket available in options
- Bar hangers are adjustable from 13-1/4" to 24-1/2"
- Fixture and driver are serviceable from below the ceiling
- IC/AT Insulated Ceiling Airtight New Construction comes with bar hangers and Butterfly bracket

Electrical

- Universal 120-277V, 50/60Hz, 0-10V dimming driver available
- 120V, 60Hz Triac/ELV dimming driver available
- Drivers connect to LED modules using plenum rated, quick connect cable

Thermal

- Die cast aluminum heat sink
- Ambient fixture operating range: -20°C to 40°C (-4°F to 104°F)

Compliance

- ETL listed for Damp locations
- Optional Wet location rated trim

Warranty

- 5 Year limited parts warranty



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Build Your Specification

A complete luminaire includes Product Codes for a Fixture, Trim and Housing, ordered separately

PRODUCT CODE

Fixture

SEN							
SERIES	SIZE / SHAPE	APPLICATION	NOMINAL LUMEN OUTPUT	BEAM ANGLE	CRI / CCT	REFLECTOR FINISH	OPTIONS
SEN SENSE	4R 4" Round	A Adjustable	16L 1600 lumens	Adjustable	827 80 / 2700k	BL Black	WET ³ Wet location rated trim
	4S 4" Square	F Fixed	26L 2600 lumens	SP Spot (20°)	830 80 / 3000k	GD Gold	CL ³ Clear Lens
			26L 2600 lumens	NF Narrow Flood (30°)	835 80 / 3500k	SP Specular	FR ³ Frosted Lens
			<u>Wall Wash only available with fixed version</u>	FL Flood (40°)	840 80 / 4000k	SS Semi-specular	HC ² Field Installed Honeycomb Louver
			10L 1000 lumens	WF Wide Flood (50°)	927 90 / 2700k	CB Chrome Black	DF diffusion filter
			13L 1300 lumens	Fixed	930 90 / 3000k	WH Matte White	LSF Linear spread filter
				SP Spot (24°)	935 90 / 3500k	WW (spacular) Wall Wash	
				FL Flood (38°)	940 90 / 4000k	CF ¹ Custom Finish	
				WF Wide Flood (50°)	WD ⁶ Warm Dim 90 / 1800 - 3000k		
				WW Wall Wash			

¹ Specify RAL # ² Not available with Fixed, WW, Wet location or Lens options ³ Only available with the ADJUSTABLE application ⁴ only for new construction Non-IC or Remodel Non-IC ⁵ Option for New construction non-IC ⁶ Only available in 16L

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Trim

SEN			
SERIES	SIZE / SHAPE	TYPE	FINISH COLOR
SEN SENSE	4R 4" Round	SF Self Flanged	BL Matte Black
	4S 4" Square	NF Flangeless Drywall	WH Matte White
			CF ¹ Custom Finish

Housing

SEN						
SERIES	SIZE / SHAPE	FLANGE TYPE	NOMINAL LUMEN OUTPUT	TYPE	VOLTAGE / DRIVER	OPTIONS
SEN SENSE	4R 4" Round	SF Self-Flanged	16L 1600 lumens	NC New construction Non-IC	PD120V 120V only, Phase dimming Triac & ELV	EM Emergency battery backup, consult factory for installation options
	4S 4" Square	NF Flangeless Drywall	26L 2600 lumens	IC/AT New Construction Insulated Ceiling/ Airtight	010UNV Universal 120-277V, 0-10V dimming	
			Wall wash 10L 1000 lumens	RM Remodel Non-IC	DALIUNV ⁴ Universal 120-277V, Dali dimming	
			13L 1300 lumens	REM Remote, consult factory		

ACCESORY TYPE

ACC	
	BB ⁴ Butterfly Bracket

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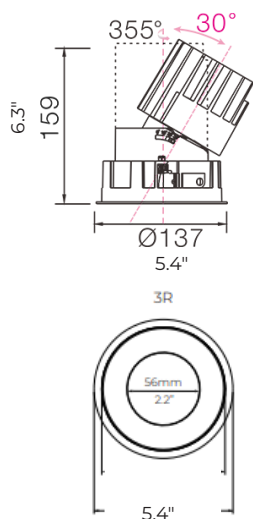
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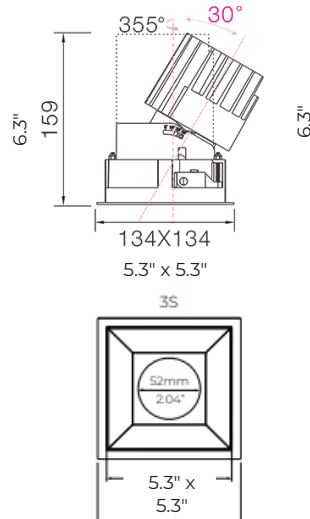
DIMENSIONS

Self-Flanged (Regular Output)

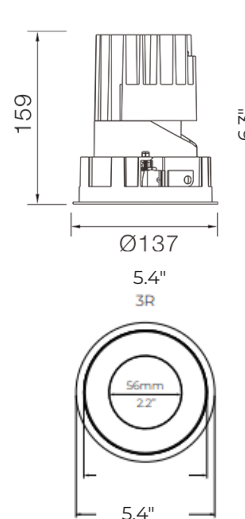
Adjustable Round



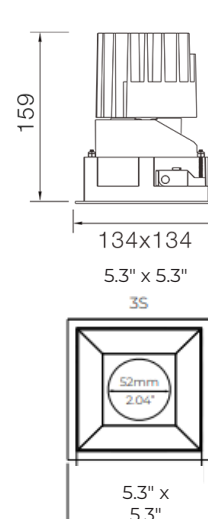
Adjustable Square



Fixed Round

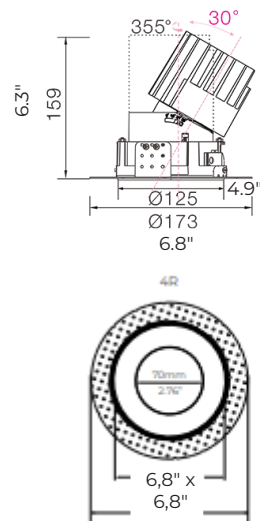


Fixed Square

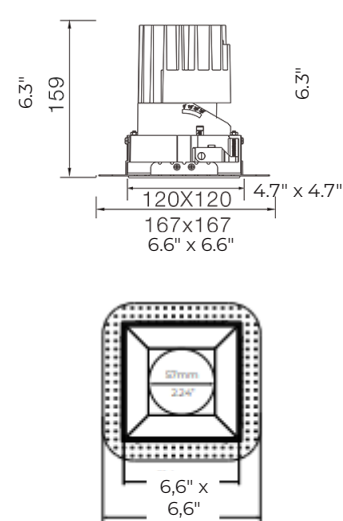


Flangeless Drywall

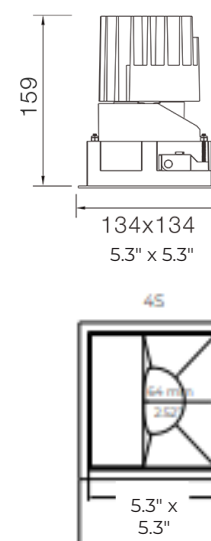
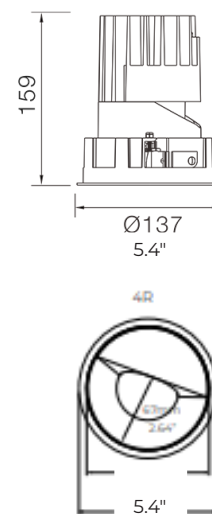
Adjustable, fixed Round, Wall wash



Adjustable, fixed Square Wall wash

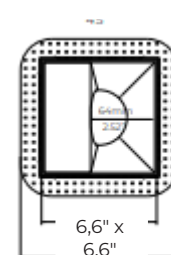
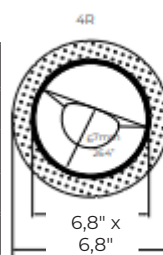


Wall Wash



Ceiling Cutout Table

Fixture	Ceiling Cutout
Sense 4R, 4" Round, Self-Flanged	4-15/16" (125mm)
Sense 4R, 4" Round, Flangeless	5-3/16" (132mm)
Sense 4S, 4" Square, Self-Flanged	4-13/16" x 4-13/16" (122mm x 122mm)
Sense 4S, 4" Square, Flangeless	5-3/16" x 5-3/16" (132mm x 132mm)



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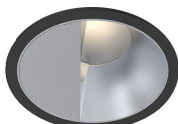
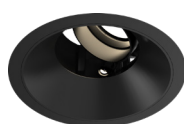


FIXTURE FINISH

Adjustable

Fixed

Wall Wash

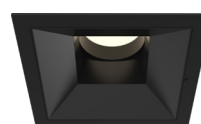
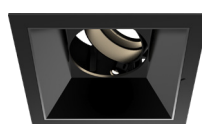


BL = Black

Adjustable

Fixed

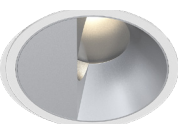
Wall Wash



Adjustable

Fixed

Wall Wash

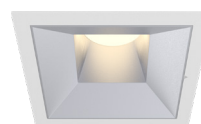
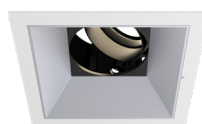


WH = White

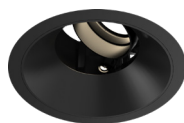
Adjustable

Fixed

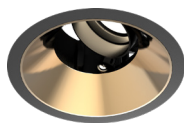
Wall Wash



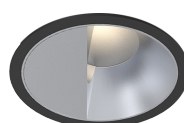
REFLECTOR FINISH



BL = Black



GD = Gold



WW = Wall Wash



CB = Chrome Black



WH = White



SP = Specular



CF = Custom Finish

OPTIONS

WET = Wet
location rated

CL = Clear Lens



FR = Frosted Lens

HC = Field Installed
Honeycomb Louver

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LENS and accessories



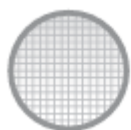
CL Clear Lens



FR Frosted Lens



HC Field installed
Honeycomb Louver



DF Diffusion Filter



LSF Linear Spread filter

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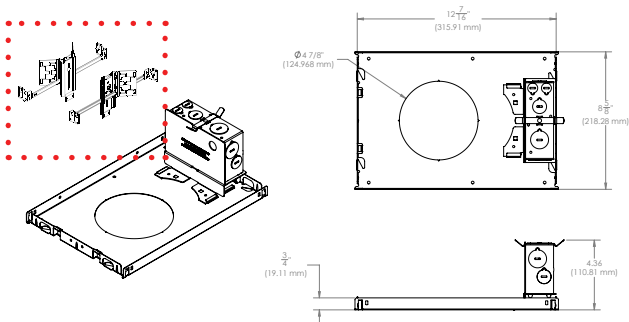


DIMENSIONS

Housing

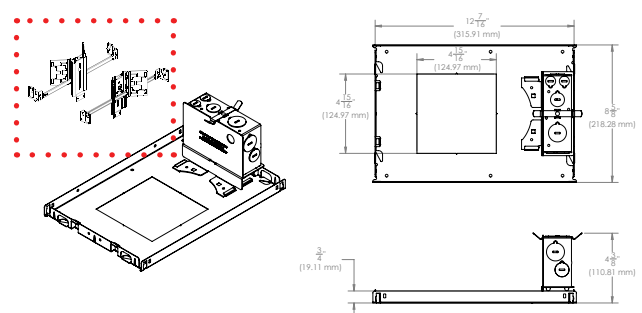
Non-IC New Construction | Round

*Butterfly Brackets to be Order Separately

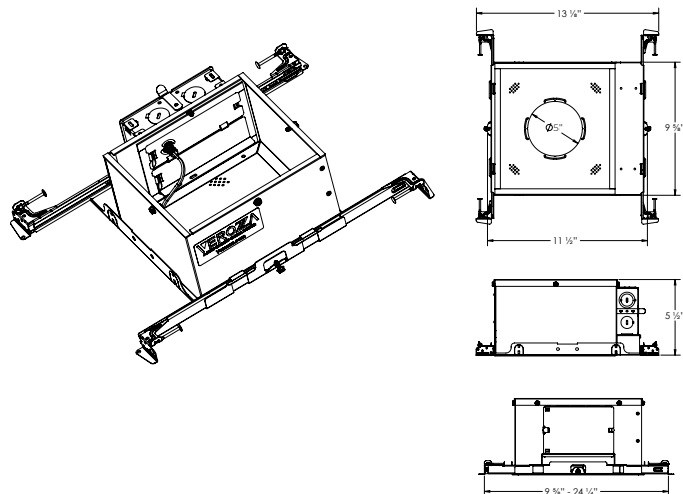


Non-IC New Construction | Square

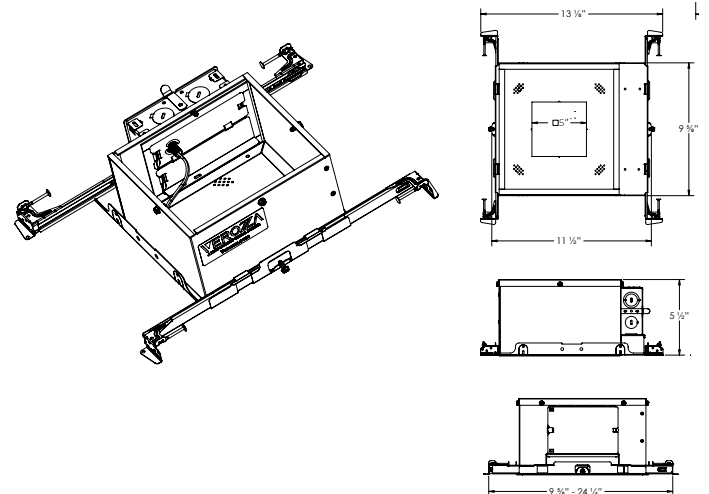
*Butterfly Brackets to be Order Separately



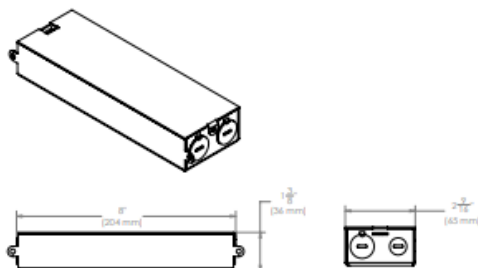
IC/AT insulated Ceiling Airtight New Construction | Round



IC/AT insulated Ceiling Airtight New Construction | Square



Remodel Driver Housing



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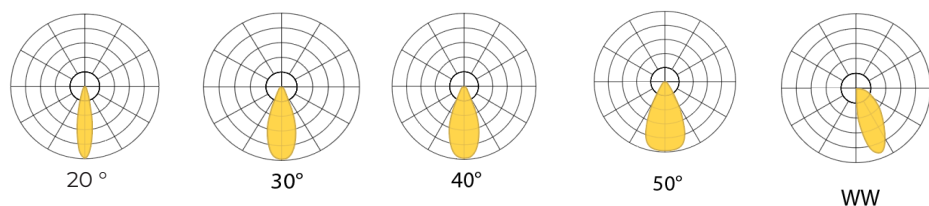


PHOTOMETRIC PERFORMANCE

Technical Information Table

Fixture	Input Voltage	Input Current	Input Power	THD	Power Factor
SEN4-16L	120/277V	500mA	21W	<20%	>0.9
SEN4-26L	120/277V	700mA	28W	<20%	>0.9
SEN4- 10L WW	120/277V	500mA	21W	<20%	>0.9
SEN4- 13L WW	120/277V	700mA	28W	<20%	>0.9

Photometrics curves



Delivered Lumens

Fixture	Beam Angle	90 CRI, 3000K	
		Lumens	LPW
Sense 4 Round 16L Specular Reflector	SP=20°	1708	87
	NF=30°	1777	91
	FL=40°	1847	95
	WF=50°	1550	80
Sense 4 Square 16L Specular Reflector	SP=20°	1635	84
	NF=30°	1995	92
	FL=40°	1823	91
	WF=50°	1552	79
Sense 4 Round 26L Specular Reflector	SP=20°	2318	84
	NF=30°	2410	87
	FL=40°	2507	91
	WF=50°	2062	75
Sense 4 Square 26L Specular Reflector	SP=20°	2201	80
	NF=30°	2433	88
	FL=40°	2471	89
	WF=50°	2085	76
Sense 4 Round 10L WW Specular reflector	WW	916	47
Sense 4 Round 13L WW Specular reflector	WW	1218	44
Sense 4 Square 10L WW Specular reflector	WW	706	32
Sense 4 Square 13L WW Specular reflector	WW	969	35

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PHOTOMETRY

Multiplier Tables

CCT	Conversion Factor
2700K	0.88
3000K	0.93
3500K	0.96
4000K	1.00

CRI	Conversion Factor
80	1.00
90	0.85

Reflector Finish	Conversion Factor
Semi-Specular (SS)	0.97
Matte White (WH)	1.00
Matte Black (BL)	0.88

Lens and Accessories	Conversion Factor
Diffusion Lens	1.00
Frosted Lens	0.80
Clear Lens	1.10
Honeycomb Louver	0.86
Linear Spread	0.84