

SENSE 2.0

Adjustable 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

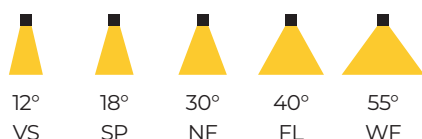
- The Sense Family of fixtures offers sizes and features that provide solutions for the complete lighting project
- A Single LED Module works with all available trims, housings and reflectors
- Set screws offer precise adjustment of vertical aiming angle up to 30° either before or after fixture installation



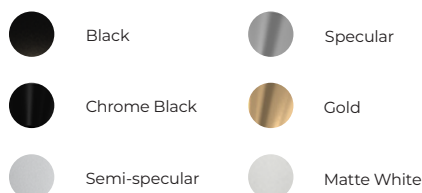
SPECIFICATIONS

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 ¼" 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	2R 2" Round	A Adjustable	5L (only with VS) 500 lumens	VS (Only with 5L) Very Narrow Spot (12°)	827 80 / 2700k	BL Black	WET ³ Wet location rated trim
	2S 2" Square		8L 800 lumens	SP Spot (18°)	830 80 / 3000k	GD Gold	CL ³ Clear Lens
			10L 1000 lumens	NF Narrow Flood (30°)	835 80 / 3500k	SP Specular	FR ³ Frosted Lens
				FL Flood (40°)	840 80 / 4000k	SS Semi-specular	HC ² Field Installed Honeycomb Louver
				WF Wide Flood (55°)	927 90 / 2700k	CB Chrome Black	
					930 90 / 3000k	WH Matte White	
					935 90 / 3500k	CF ¹ Custom Finish	
					940 90 / 4000k		
					WD ⁴ Warm Dim 90 / 1800 - 3000k		

¹ Specify RAL # ² Not available with, Wet location or Lens options ³ Fixture can't be tilt while using accesories

⁴ only for new construction Non-IC or Remodel Non-IC

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Trim

SEN			
SERIES	SIZE / SHAPE	TYPE	FINISH COLOR
SEN SENSE	2R 2" Round	SF Self Flanged	BL Matte Black
	2S 2" 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	2R 2" Round	SF Self-Flanged	5L (only with VS) 500 lumens	NC New construction Non-IC	PD120V 120V only, Phase dimming Triac & ELV	EM Emergency battery backup, consult factory for installation options
	2S 2" Square	NF Flangeless Drywall	8L 800 lumens	IC/AT New Construction Insulated Ceiling/ Airtight	010UNV Universal 120-277V, 0-10V dimming	
			10L 900 lumens	RM Remodel Non-IC	DALIUNV ⁴ Universal 120-277V, Dali dimming	
				REM Remote, consult factory		

ACCESSORY TYPE

ACC	BB ⁴ Butterfly Bracket
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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

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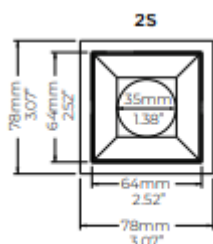
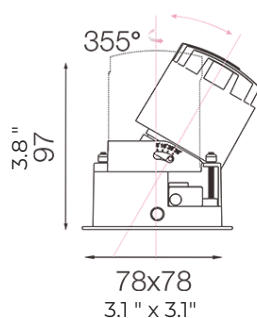
Adjustable Downlight



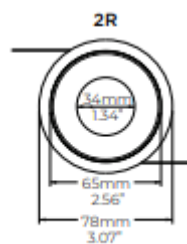
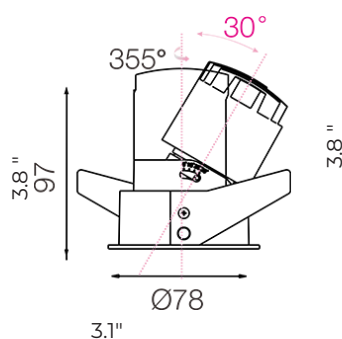
DIMENSIONS

Self-Flanged

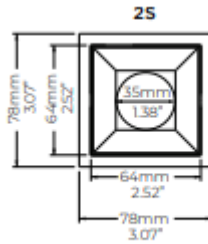
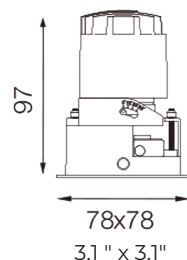
Adjustable Square



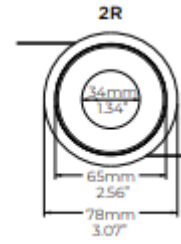
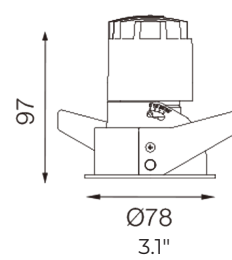
Adjustable Round



Fix Square

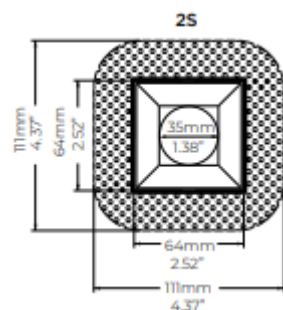
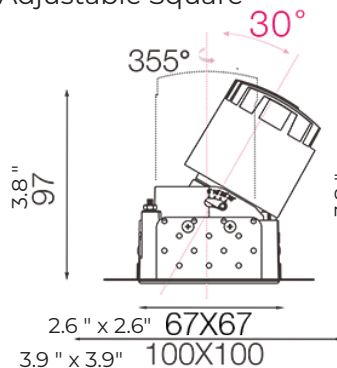


Fix Round

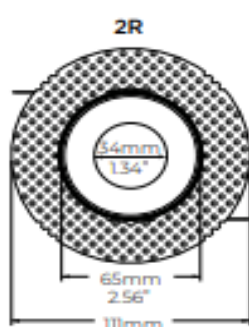
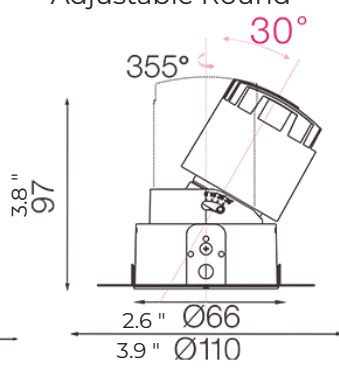


Flangeless Drywall

Adjustable Square



Adjustable Round



Ceiling Cutout Table

Fixture	Ceiling Cutout
Sense 2R, 2" Round, Self-Flanged	2-3/4" (70mm)
Sense 2R, 2" Round, Flangeless	2-7/8" (73mm)
Sense 2S, 2" Square, Self-Flanged	2-3/4" x 2-3/4" (70mm x 70mm)
Sense 2S, 2" Square, Flangeless	2-3/4" x 2-3/4" (70mm x 70mm)

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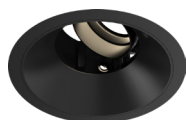
Adjustable Downlight



FIXTURE FINISH

Adjustable

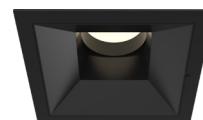
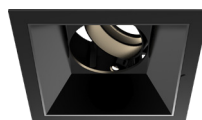
Fixed



BL = Black

Adjustable

Fixed



Adjustable

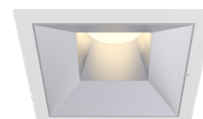
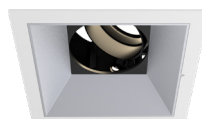
Fixed



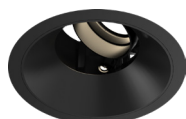
WH = White

Adjustable

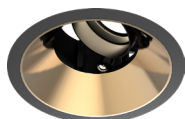
Fixed



REFLECTOR FINISH



BL = Black



GD = Gold



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

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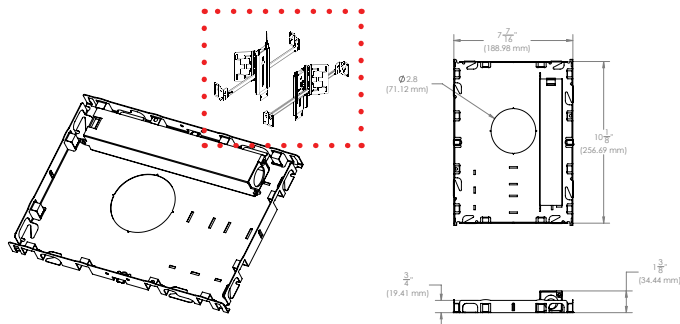


DIMENSIONS

Housing

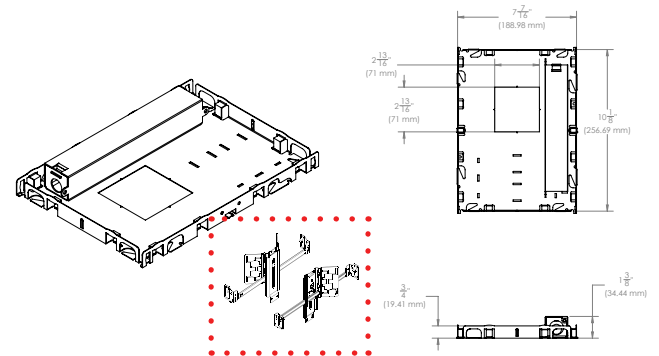
Non-IC New Construction | Round

*Butterfly Brackets to be Order Separately

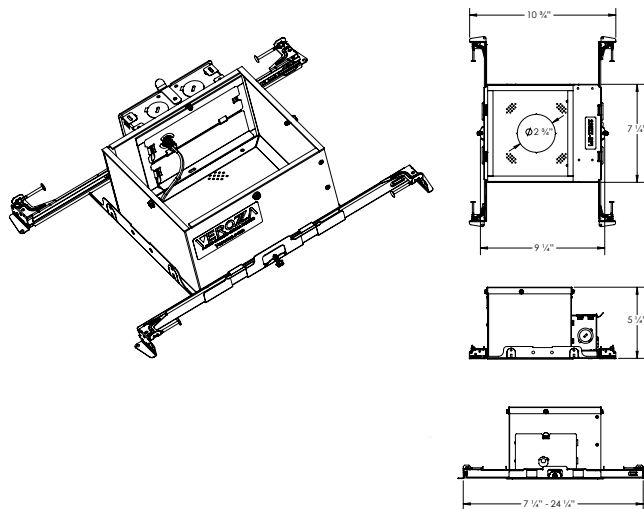


Non-IC New Construction | Square

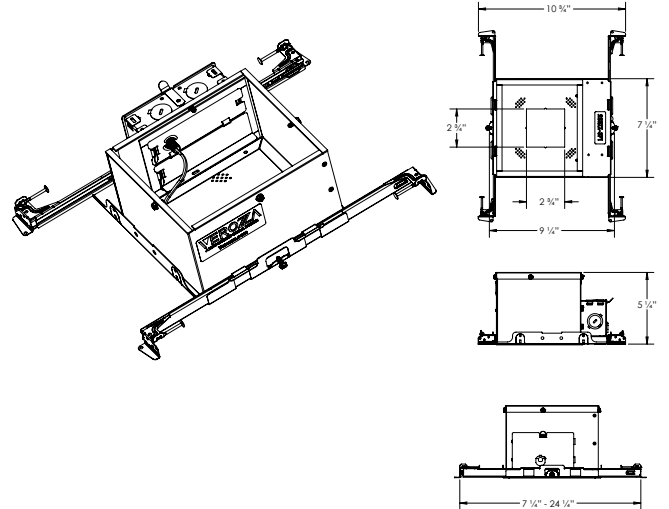
*Butterfly Brackets to be Order Separately



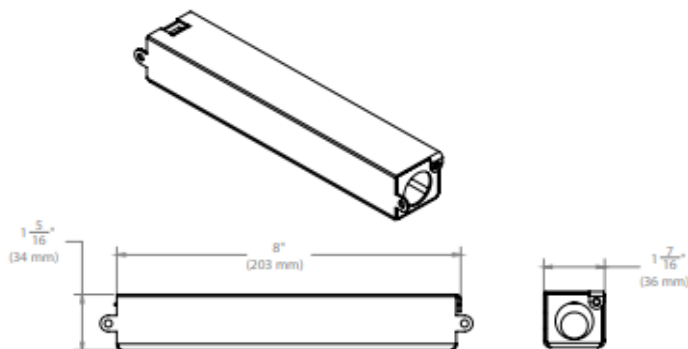
IC/AT Insulated Ceiling Airtight New Construction | Round



IC/AT Insulated Ceiling Airtight New Construction | Square



Remodel Driver Housing



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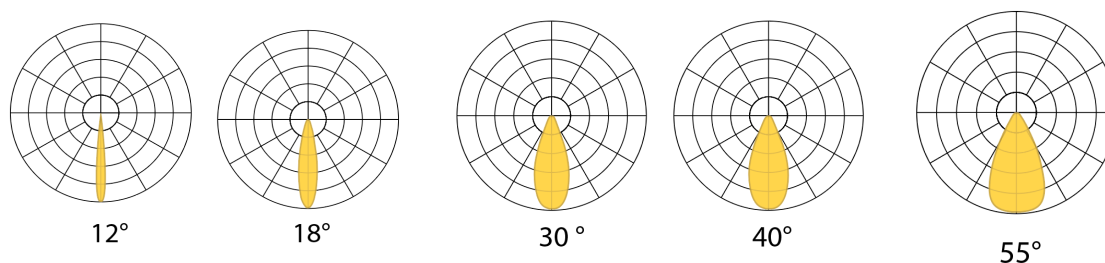
PHOTOMETRIC PERFORMANCE



Technical Information Table

Fixture	Input Voltage	Input Current	Input Power	THD	Power Factor
SEN2-5L	120/277V	500mA	8W	<20%	>0.9
SEN2-8L	120/277V	250mA	9W	<20%	>0.9
SEN2 10L	120/277V	350mA	13W	<20%	>0.9

Photometrics curves



Delivered Lumens

Fixture	Beam Angle	90 CRI, 4000K	
		Lumens	LPW
Sense 2 Square 5L Specular Reflector	VS=12°	403	50
Sense 2 Round 8L Specular Reflector	SP=18°	651	71
	VF=30°	673	74
	NF=40°	701	76
	WF=55°	628	69
Sense 2 Square 8L Specular Reflector	SP=18°	626	69
	VF=30°	662	73
	NF=40°	636	70
	WF=55°	616	68
Sense 2 Round 10L Specular Reflector	SP=18°	840	64
	VF=30°	867	66
	NF=40°	860	66
	WF=55°	849	65
Sense 2 Square 10L Specular Reflector	SP=18°	830	63
	VF=30°	860	66
	NF=40°	875	67
	WF=55°	815	63

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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