

SENSE 3.0

Adjustable, Fixed 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
- Custom trim finish available

GOOD TO KNOW

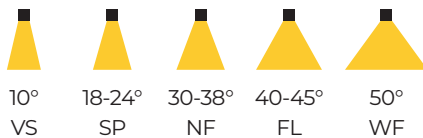
- The Sense Family of fixtures offers sizes and features that provide solutions for the complete lighting project
- A Single LED Module works with all available trims, housings and reflectors
- Set screws offer precise adjustment of vertical aiming angle up to 30° either before or after fixture installation



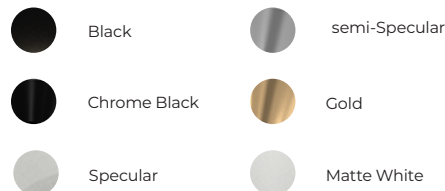
SPECIFICATIONS

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	3R 3" Round	A Adjustable	7L(only with VS) 700 lumens	Adjustable	827 80 / 2700k	BL Black	WET ¹ Wet location rated trim
				VS ³ Very Narrow Spot (10°)	830 80 / 3000k	GD Gold	CL ² Clear Lens
	3S 3" Square	F Fixed	13L 1300 lumens	SP Spot (18°)	835 80 / 3500k	SP Specular	FR ² Frosted Lens
			16L 1600 lumens	NF Narrow Flood (30°)	840 80 / 4000k	SS Semi-specular	HC ¹ Field Installed Honeycomb Louver
			21L 2100 lumens	FL Flood (40°)	927 90 / 2700k	CB Chrome Black	
				WF Wide Flood (50°)	930 90 / 3000k	WH matte White	DF diffusion filter
				Fixed	935 90 / 3500k		LSF Linear spread filter
				SP Spot (24°)	940 90 / 4000k		
				NF Narrow Flood (38°)	WD ⁶ Warm Dim 90 / 1800 - 3000k		
				FL Flood (45°)			
				WF Wide Flood (50°)			

¹ Not available with Fixed, Wet location or Lens options ² Only available with the ADJUSTABLE application

³ Only available for 7L models ⁵ Only available in 13L

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Trim

SEN			
SERIES	SIZE / SHAPE	TYPE	FINISH COLOR
SEN SENSE	3R 3" Round	SF Self Flanged	BL Matte Black
	3S 3" 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	3R 3" Round	SF Self-Flanged	7L(only with VS) 700 lumens	NC New construction Non-IC	PD120V 120V only, Phase dimming Triac & ELV	EM Emergency battery backup, consult factory for installation options
	3S 3" Square	NF Flangeless Drywall	13L 1300 lumens	IC/AT New Construction Insulated Ceiling/ Airtight	010UNV Universal 120-277V, 0-10V dimming	
			16L 1600 lumens	RM Remodel Non-IC	DALIUNV ² Universal 120-277V, Dali dimming	
			21L 2100 lumens	REM Remote, consult factory		

ACCESSORY TYPE

ACC	BB ² Butterfly Bracket
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¹ Specify RAL # ² only for new construction Non-IC or Remodel Non-IC

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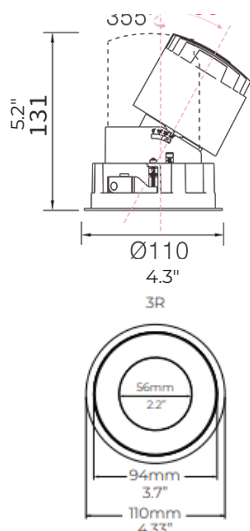
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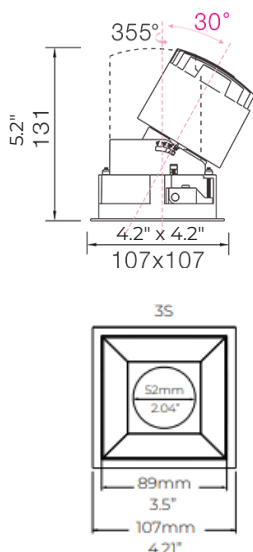
DEMENSIONS

Self-Flanged (Regular Output)

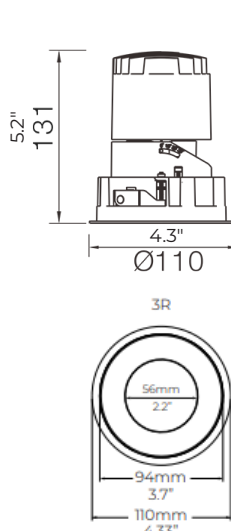
Adjustable Round



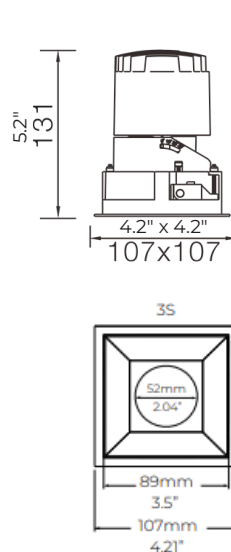
Adjustable Square



Fixed Round

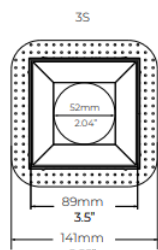


Fixed Square

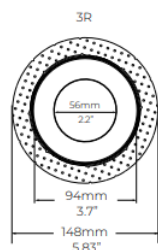


Flangeless Drywall

Adjustable, fixed Square



Adjustable, fixed Round



Ceiling Cutout Table

Fixture	Ceiling Cutout
Sense 3R, 3" Round, Self-Flanged	3-15/16" (100mm)
Sense 3R, 3" Round, Flangeless	4-1/4" (108mm)
Sense 3S, 3" Square, Self-Flanged	3-3/4" x 3-3/4" (96mm x 96mm)
Sense 3S, 3" Square, Flangeless	3-3/4" x 3-3/4" (104mm x 104mm)

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VEROZZA
A NEKO LIGHTING GLOBAL PARTNER

FITTER FINISH

Adjustable

Fixed



BL = Black

Adjustable

Fixed



Adjustable

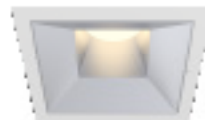
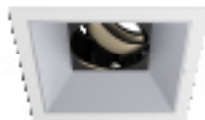
Fixed



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



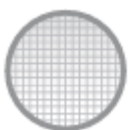
CL Clear Lens



FR Frosted Lens



HC Field installed
Honeycomb Louver



DF Diffusion Filter



LSF Linear Spread Filter

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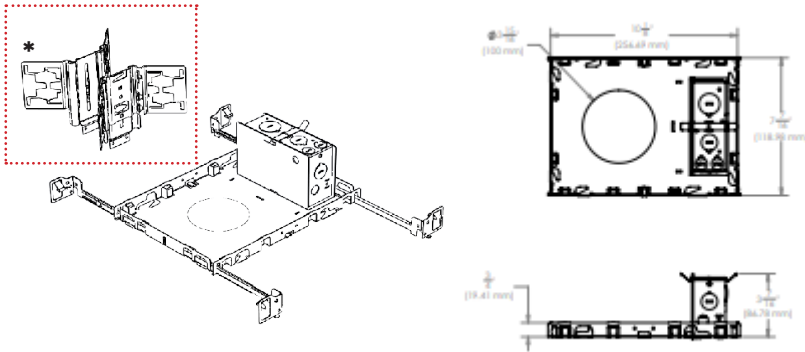
VEROZZA
A NEKO LIGHTING GLOBAL PARTNER

DEMENSIONS

Housing

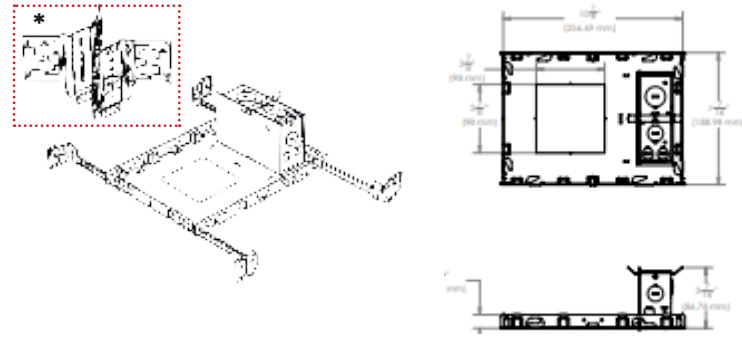
Non-IC New Construction | Round

*Butterfly Brackets to be Order Seperately

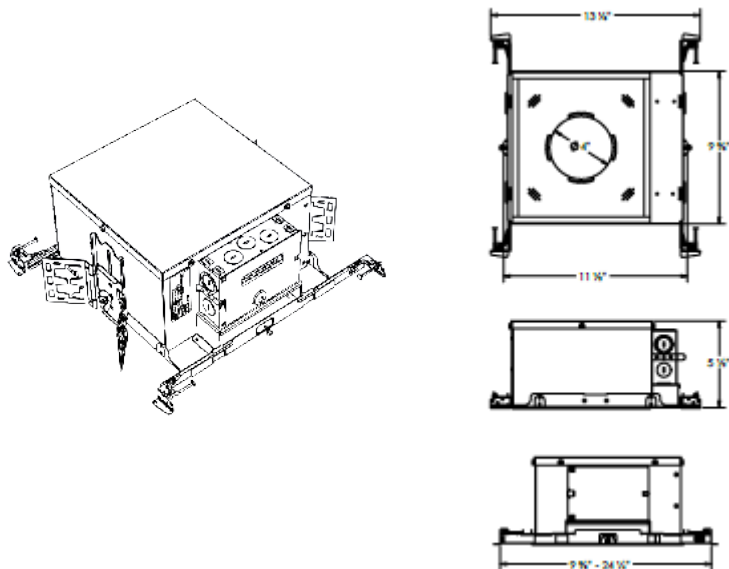


Non-IC New Construction | Square

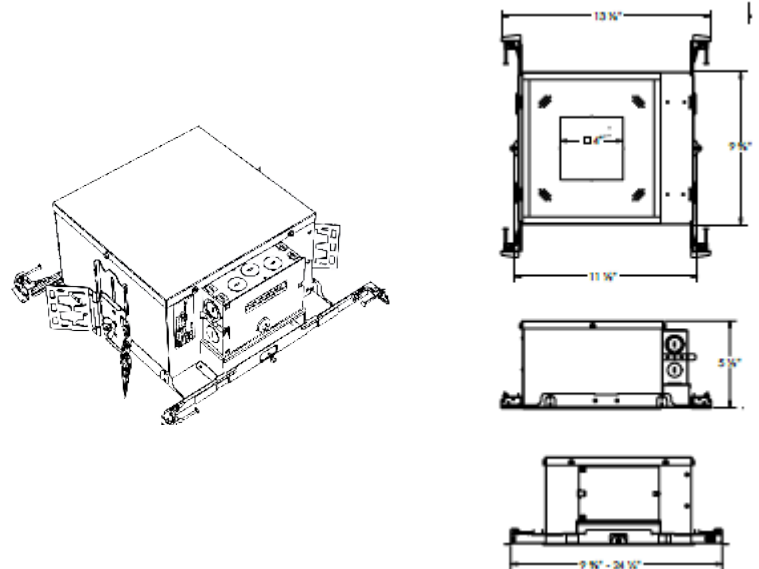
*Butterfly Brackets to be Order Seperately



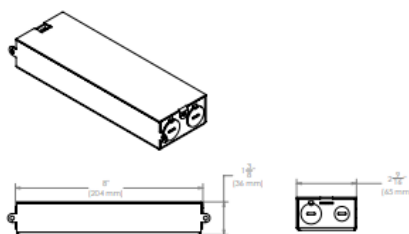
IC/AT Insulated Ceiling Airtight New Construction | Round



IC/AT Insulated Ceiling Airtight New Construction | Square



Remodel Driver Housing



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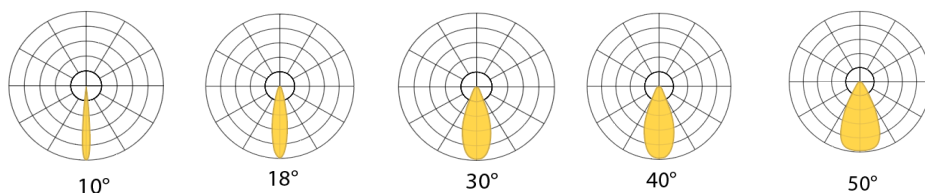
PHOTOMETRIC PERFORMANCE



Technical Information Table

Fixture	Input Voltage	Input Current	Input Power	THD	Power Factor
SEN3-7L(10°)	120/277V	700mA	9W	<20%	>0.9
SEN3-13L	120/277V	350mA	15W	<20%	>0.9
SEN3-16L	120/277V	500mA	21W	<20%	>0.9
SEN3-21L	120/277V	700mA	28W	<20%	>0.9

Photometrics curves



Delivered Lumens

Fixture	Beam Angle	90 CRI, 4000K	
		Lumens	LPW
Sense 3 Square 7L Specular Reflector	VS=10°	662	72
Sense 3 Round 13L Specular Reflector	SP=18°	1148	81
	NF=30°	1240	88
	FL=40°	1286	90
	WF=50°	1163	83
Sense 3 Square 13L Specular Reflector	SP=18°	1161	79
	FL=30°	1280	87
	NF=40°	1342	91
	WF=50°	1188	81
Sense 3 Round 16L Specular Reflector	SP=18°	1652	77
	NF=30°	1831	87
	FL=40°	1845	88
	WF=50°	1676	80
Sense 3 Square 16L Specular Reflector	SP=18°	1591	76
	NF=30°	1819	86
	FL=40°	1826	87
	WF=50°	1653	79
Sense 3 Round 21L Specular Reflector	SP=18°	2163	69
	NF=30°	2298	74
	FL=40°	2289	73
	WF=50°	2075	67
Sense 3 Square 21L Specular Reflector	SP=18°	2065	66
	NF=30°	2278	73
	FL=40°	2260	72
	WF=50°	2030	65

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PHOTOMETRY

Multiplier Tables

CCT	Conversion Factor
2700K	0.97
3000K	1.00
3500K	1.03
4000K	1.07

CRI	Conversion Factor
80	1.15
90	1.00

Reflector Finish	Conversion Factor
Semi-Specular (SS)	0.99
Matte White (WH)	1.00
Matte Black (BL)	0.88
Chrome Black	1.00
Gold	0.99

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