

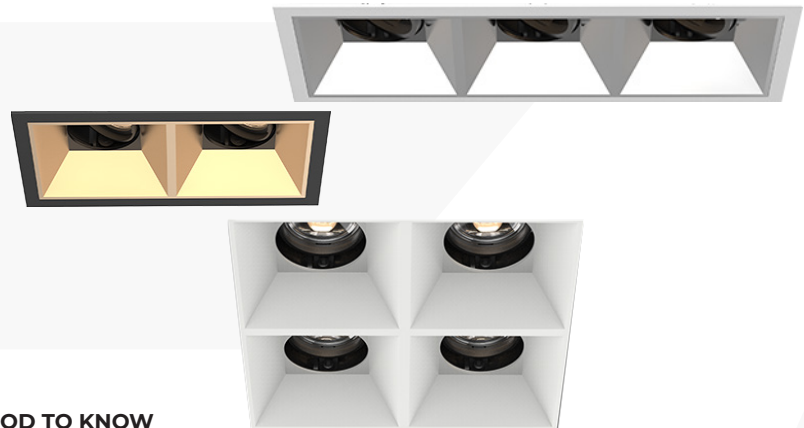
SENSE 2.0 MULTIPLE

Adjustable Downlight

VEROZZA
A NEKO LIGHTING GLOBAL PARTNER

SENSE 2.0 MULTIPLE DOWNLIGHTS

Provide ultimate design flexibility from its modular, scalable design. Available in 1x2, 1x3 or 2x2 configurations, the square aperture fixtures can provide light in any direction from one small fixture..



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

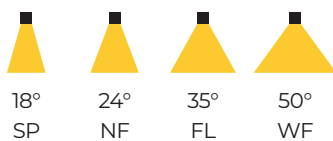
- The Sense Family of fixtures offers sizes and features that provide solutions for the complete lighting project
- A Single LED Module works with all available trims, housings and reflectors
- Set screws offer precise adjustment of vertical aiming angle up to 30° either before or after fixture installation



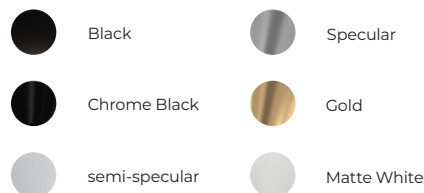
SPECIFICATIONS

Optical

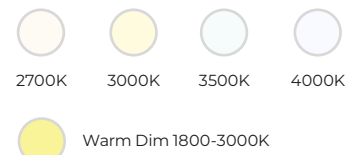
• Beam Angle



• 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

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

SENM							
SERIES	SIZE / SHAPE	APPLICATION	NOMINAL LUMEN OUTPUT	BEAM ANGLE	CRI / CCT	REFLECTOR FINISH	OPTIONS
SENM SENSE MULTIPLE	2S12 2" Square 1x2 Configuration	A Adjustable	8L 800 lumens per light	SP Spot (18°)	827 80 / 2700k	BL Black	WET ³ Wet location rated trim
	2S13 2" Square 1x3 Configuration		10L 1000 lumens per light	NF Narrow Flood (24°)	830 80 / 3000k	GD Gold	CL ³ Clear Lens
	2S22 2" Square 2x2 Configuration			FL Flood (35°)	835 80 / 3500k	SP Specular	FR ³ Frosted Lens
				WF Wide Flood (50°)	840 80 / 4000k	SS Semi-specular	HC ² Field Installed Honeycomb Louver
					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 Fixed, WW, Wet location or Lens options ³ Only available with the ADJUSTABLE application

⁴ Only available with the 8L

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Trim

SENM			
SERIES	SIZE / SHAPE	TYPE	FINISH COLOR
SENM SENSE MULTIPLE	2S12 2" Square 1x2 Configuration	SF Self Flanged	BL Matte Black
	2S13 2" Square 1x3 Configuration	NF Flangeless Drywall	WH Matte White
	2S22 2" Square 2x2 Configuration		CF¹ Custom Finish

Housing

SENM						
SERIES	SIZE / SHAPE	FLANGE TYPE	NOMINAL LUMEN OUTPUT	TYPE	VOLTAGE / DRIVER	OPTIONS
SENM SENSE MULTIPLE	2S12 2" Square 1x2 Configuration	SF Self-Flanged	8L 800 lumens	NC New construction Non-IC	PD120V 120V only, Phase dimming Triac & ELV	EM Emergency battery backup, consult factory for installation options
	2S13 2" Square 1x3 Configuration	NF Flangeless Drywall	10L 1000 lumens	RM Remodel Non-IC	010UNV Universal 120-277V, 0-10V dimming	
	2S22 2" Square 2x2 Configuration			REM Remote, consult factory	DALIUNV² Universal 120-277V, Dali dimming	

ACCESORY TYPE

ACC	BB² Butterfly Bracket
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¹Specify RAL # ²Option for New construction non-IC

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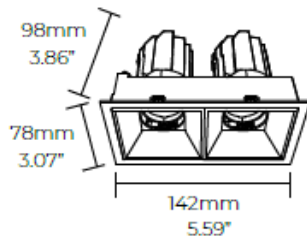
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DIMENSIONS

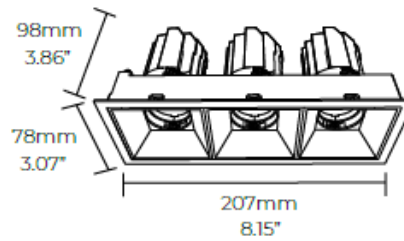
Fixture

Flanged

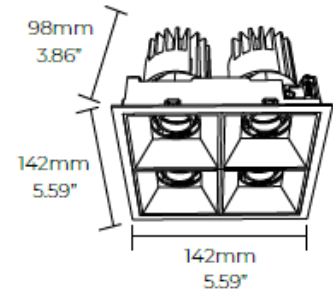
2S12



2S13

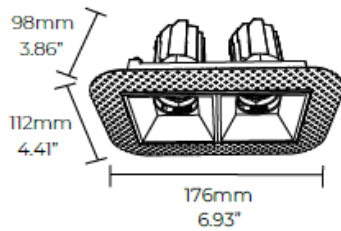


2S22

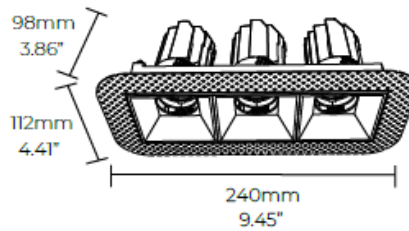


Flangless Drywall

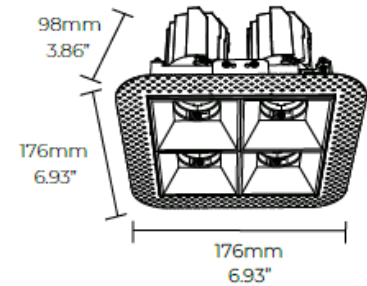
2S12



2S13



2S22



Ceiling Cutout Table

Fixture	Ceiling Cutout
Sense 2S12, 2" Square, 1x2, Self-Flanged	2-13/16" x 5-5/16" (71mm x 135mm)
Sense 2S12, 2" Square, 1x2, Flangeless	2-13/16" x 5-5/16" (71mm x 135mm)
Sense 2S13, 2" Square, 1x3, Self-Flanged	2-13/16" x 7-7/8" (71mm x 200mm)
Sense 2S13, 2" Square, 1x3, Flangeless	2-13/16" x 7-7/8" (71mm x 200mm)
Sense 2S22, 2" Square, 1x2, Self-Flanged	5-5/16" x 5-5/16" (135mm x 135mm)
Sense 2S22, 2" Square, 2x2, Flangeless	5-5/16" x 5-5/16" (135mm x 135mm)

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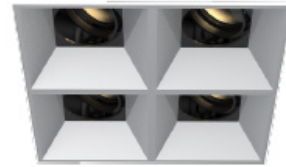
FIXTURE FINISH



BL = Black



WH = White



CF = Custom Finish

REFLECTOR FINISH



BL = Black



CB = Chrome Black



GD = Gold



WH = White



SS = Semi Specular



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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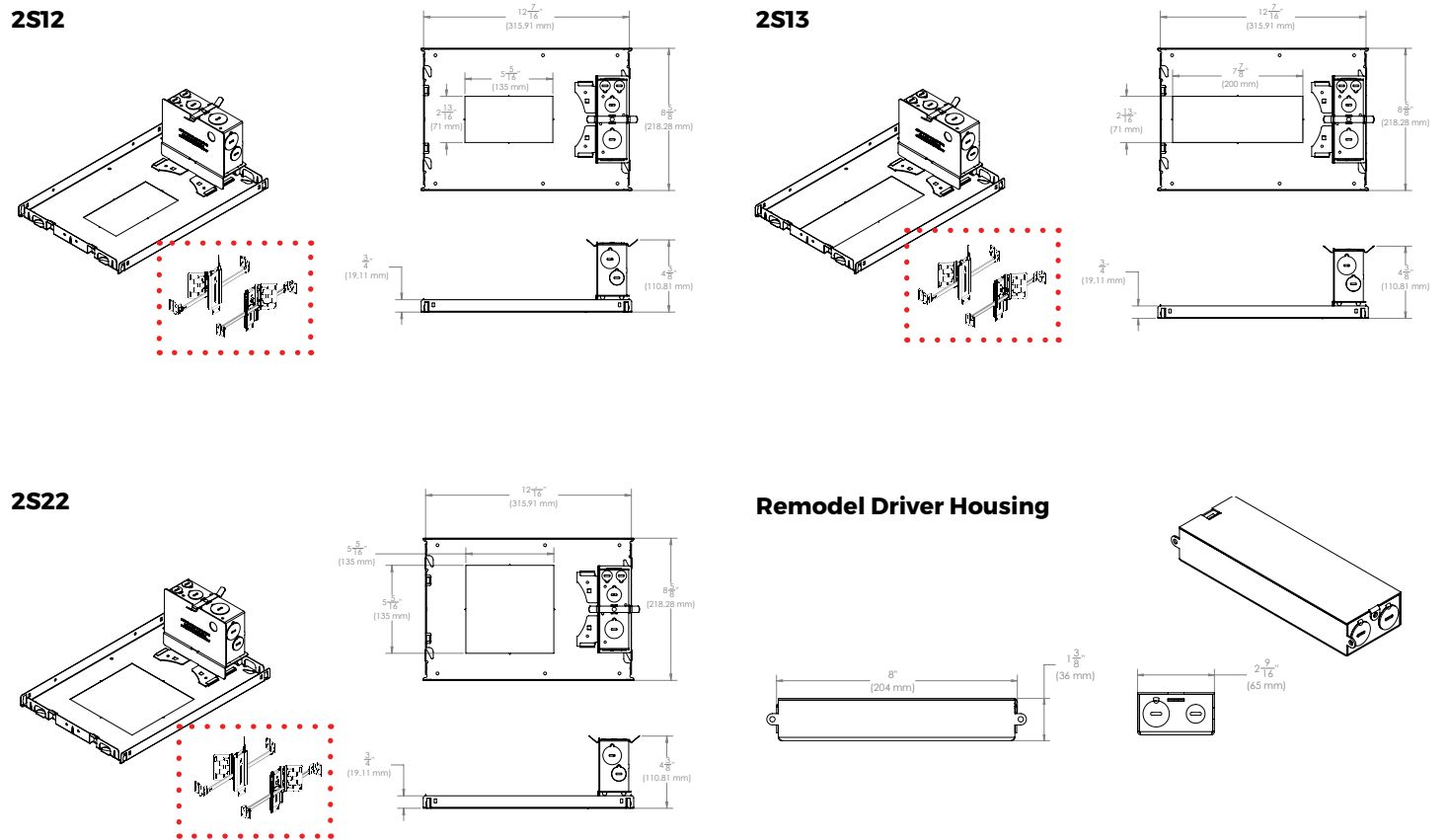
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DIMENSIONS

Housing

***Butterfly Brackets to be Order Separately**



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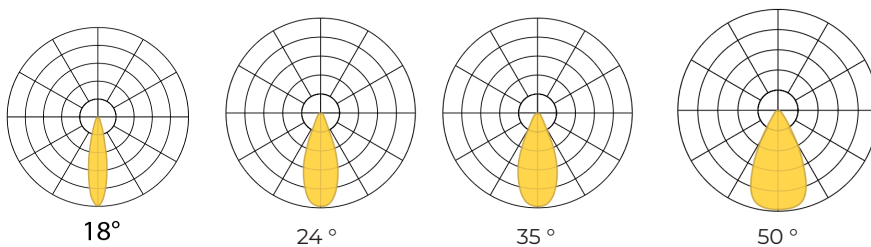
PHOTOMETRIC PERFORMANCE



Technical Information Table

Fixture	Input Voltage	Input Current	Input Power	THD	Power Factor
SENM-2S12-8L	120/277V	250mA	18W	<20%	>0.9
SENM-2S12-10L	120/277V	350mA	26W	<20%	>0.9
SENM-2S13-8L	120/277V	250mA	27W	<20%	>0.9
SENM-2S13-10L	120/277V	350mA	39W	<20%	>0.9
SENM-2S22-8L	120/277V	250mA	36W	<20%	>0.9
SENM-2S22-10L	120/277V	350mA	52W	<20%	>0.9

Photometrics curves



Multiplier Tables

CCT	Conversion Factor
2700K	0.02
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)	0.97
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

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Delivered Lumens

Fixture	Beam Angle	90 CRI, 3000K	
		Lumens	LPW
SENM 2 Square 2S12 -8L Specular Reflector	SP=18°	1246	69
	NF=24°	1255	70
	FL=35°	1260	70
	WF=50°	1291	72
SENM 2 Square 2S12-10L Specular Reflector	SP=18°	1618	62
	NF=24°	1675	64
	FL=35°	1705	66
	WF=50°	1656	64
SENM 2 Square 2S13 -8L Specular Reflector	SP=18°	1868	69
	NF=24°	1883	70
	FL=35°	1891	70
	WF=50°	1936	72
SENM 2 Square 2S13-10L Specular Reflector	SP=18°	2427	67
	NF=24°	2512	70
	FL=35°	2558	66
	WF=50°	2485	64
SENM 2 Square 2S22 -8L Specular Reflector	SP=18°	2491	69
	NF=24°	2510	70
	FL=35°	2521	70
	WF=50°	2582	72
SENM 2 Square 2S22 -10L Specular Reflector	SP=18°	3235	62
	NF=24°	3349	64
	FL=35°	3411	66
	WF=50°	3313	64