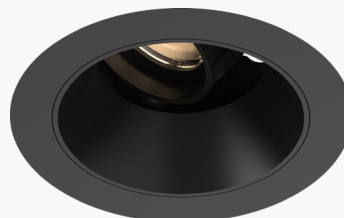


SENSE ADJUSTABLE DOWNLIGHTS

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

- Delivers 375 lumens in under a 2" diameter
- Available in 4-beam angles including 18°, 24°, 35° and 50°
- Mix and match flange and reflector finishes to complement interior design concept

GOOD TO KNOW

- Use Sense 1.0, the smallest fixture in the SENSE family, to complete your lighting project
- LED modules work with both round and square form factors, providing consistency in light design
- Drive multiple fixtures with one remote driver, consult factory for options



SPECIFICATIONS

OPTICAL

- Beam Angle



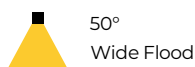
18°
Spot



24°
Flood



35°
Flood



50°
Wide Flood

- Reflector Finish



Matte
Black



Semi
Specular



Specular



Custom

- Color Temperature

90 CRI standard, 80 CRI available, 3 SDCM



2700K



3000K



3500K



4000K

MECHANICAL

- Three-piece fixture construction; LED Module, Trim, and Housing
- Self-flanged,
- Die cast aluminum trims
- Self-flanged trims install with swing out arms and set 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 or 120V, 60Hz Triac/ELV dimming driver available
- Drivers connect to LED modules using plenum rated, quick connect cable

COMPLIANCE

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

THERMAL

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

WARRANTY

- 5 Year limited parts warranty



PRODUCT CODE

Build Your Specification: A complete luminaire includes Product Codes for a Fixture, Trim and Housing, ordered separately

Fixture

SEN							
SERIES	SIZE / SHAPE	APPLICATION	NOMINAL LUMEN OUTPUT	BEAM ANGLE	CRI / CCT	REFLECTOR FINISH	OPTIONS
SEN SENSE	1R 1" Round	A Adjustable	3L 375 lumens	SP Spot (18°)	827 80 / 2700K	BL Matte Black	WET Wet location rated trim
					830 80 / 3000K		
	1S 1" Square			NF Narrow Flood (24°)	835 80 / 3500K	SS Semi Specular	
					840 80 / 4000K		
				FL Flood (35°)	927 90 / 2700K	WH Matte White	
				WF Wide Flood (50°)	935 90 / 3500K	CF ¹ Custom Finish	

Trim

SEN			
SERIES	SIZE	TYPE	FINISH COLOR
SEN SENSE	1R 1" Round	SF Self-Flanged	BL Matte Black
	1S 1" Square		WH Matte White
			CF ¹ Custom Finish

Housing

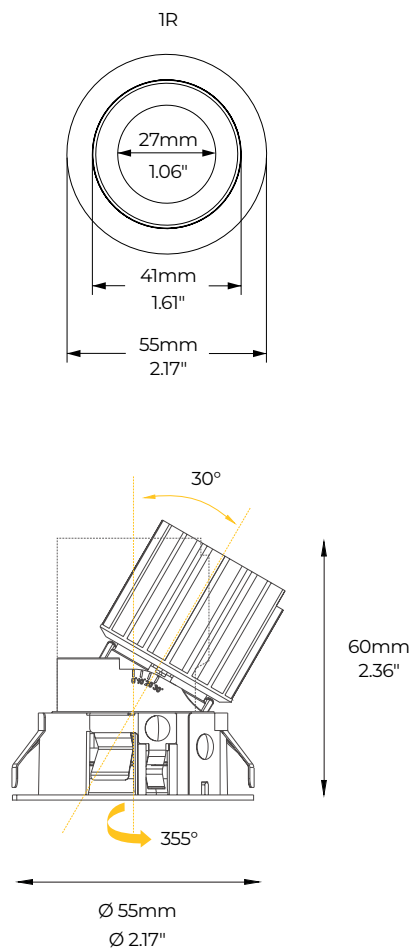
SEN						
SERIES	SIZE / SHAPE	FLANGE TYPE	NOMINAL LUMEN OUTPUT	TYPE	VOLTAGE / DRIVER	OPTIONS
SEN SENSE	1R 1" Round	SF Self-Flanged	3L 375 lumens	NC New Construction Non-IC	PD120V 120V only, Phase dimming Triac & ELV	EM Emergency battery backup, consult factory for installation options
	RM Remodel Non-IC			010UNV Universal 120-277V, 0-10V dimming		
	REM Remote, consult factory					
	IC/AT New Construction Insulated Ceiling/Airtight			DALIUNV² Universal 120-277V Dali Dimming		

¹ Specify RAL # from K5 classic collection ² only for new construction Non-IC or Remodel Non-IC

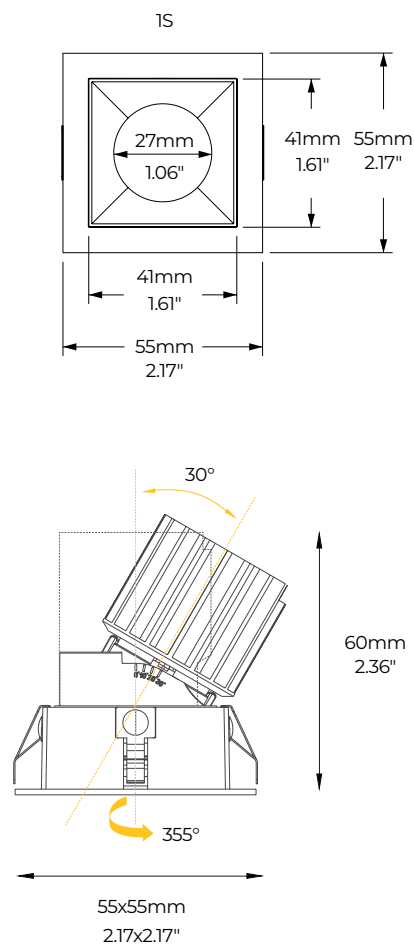
DIMENSIONS

Fixture

Round



Square



Fixture	Ceiling Cutout
Sense 1R, 1" Round	Ø1-3/4" (45mm)
Sense 1S, 1" Square	1-3/4" x 1-3/4" (45mm x 45mm)

SENSE 1.0

Adjustable Downlight

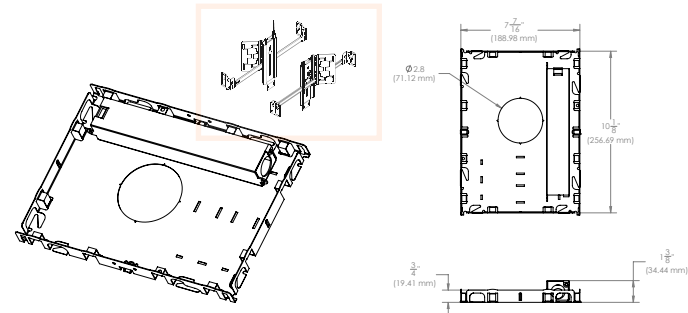


DIMENSIONS

Housing

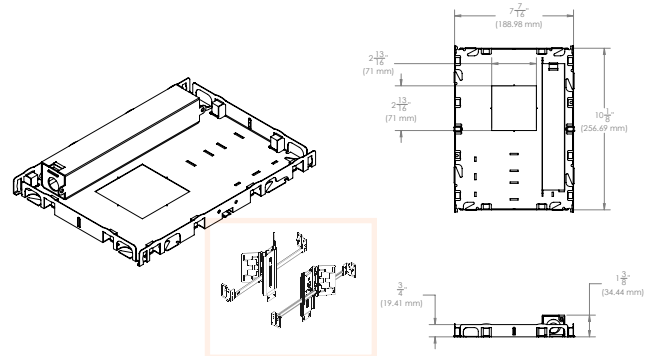
Non-IC New Construction | Round

*Butterfly Brackets to be Order Separately

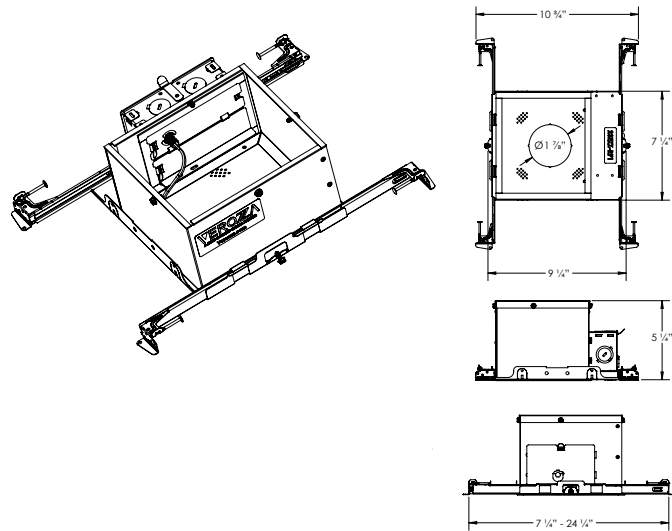


Non-IC New Construction | Square

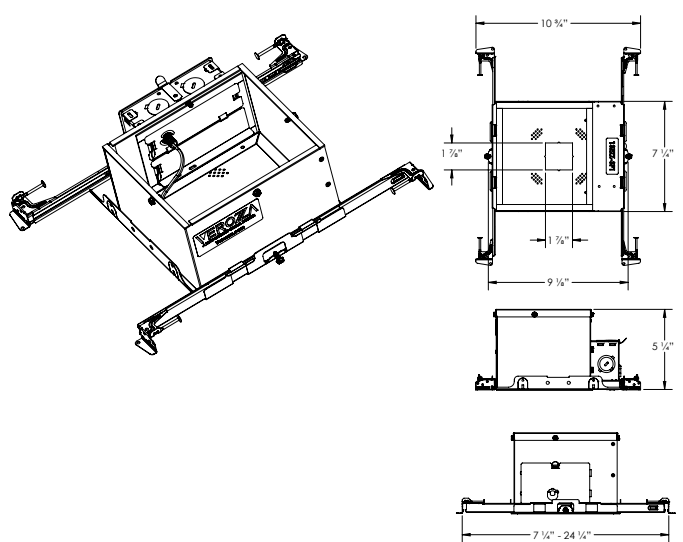
*Butterfly Brackets to be Order Separately



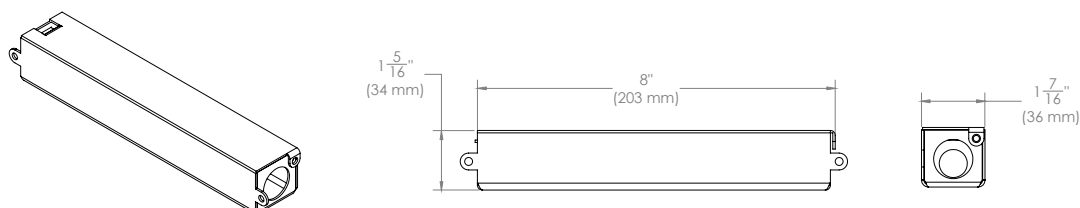
IC/AT Insulated Ceiling Airtight New Construction | Round

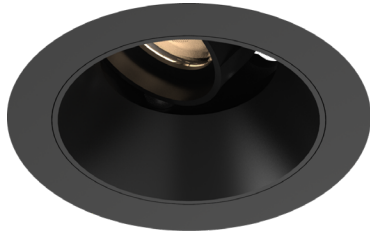


IC/AT Insulated Ceiling Airtight New Construction | Square

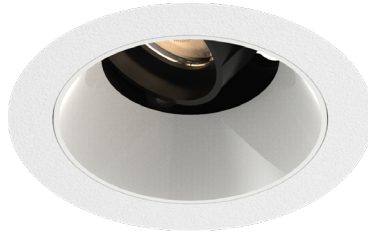


Remodel Driver Housing

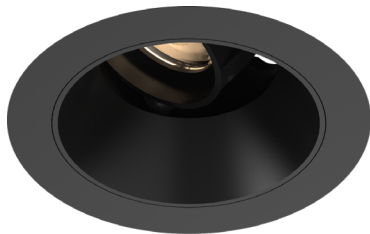


FIXTURE FINISH

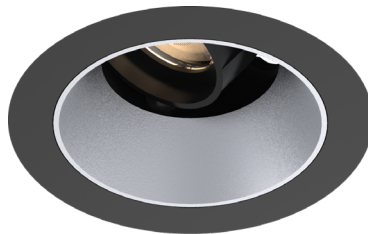
BL = Black



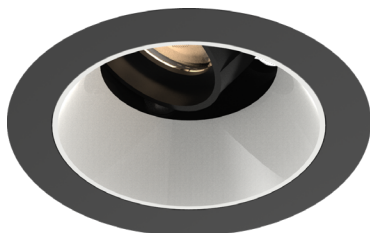
WH = White

REFLECTOR FINISH

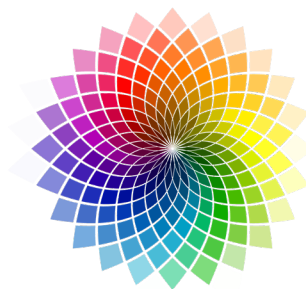
BL = Black



SS = Semi Specular



WH = White



CF = Custom Finish

PHOTOMETRIC PERFORMANCE

Technical Information table

Fixture	Input Voltage	Input Current	Input Power	THD	Power Factor
SEN-1R-A-3L	120V / 277V	350mA	4W	<20%	>0.9
SEN-1S-A-3L	120V / 277V	50 mA	4W	<20%	>0.9

Delivered lumens

Fixture	Beam Angle	80CRI, 4000K	
		Lumens	LPW
Sense 1R	SP = Spot (18°)	348	86
	NF = Narrow Flood (24°)	347	86
	FL = Flood (35°)	312	77
	WF = Wide Flood (50°)	326	80
Sense 1S	SP = Spot (18°)	348	86
	NF = Narrow Flood (24°)	347	86
	FL = Flood (35°)	312	77
	WF = Wide Flood (50°)	326	80

Multiplier Tables

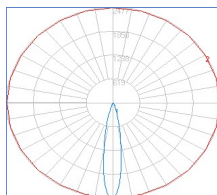
CRI	Conversion Factor
80	1.15
90	1

CCT	Conversion Factor
2700K	0.88
3000K	1.00
3500K	1.05
4000K	1.08

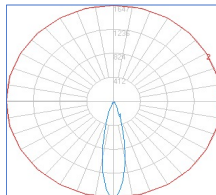
Reflector Finish	Conversion Factor
Semi-Specular (SS)	0.99
Matte White (WH)	0.99
Matte Black (BL)	0.98
Specular (SP)	1.00
Chrome Black (CB)	0.98
Gold (GD)	0.98

PHOTOMETRY

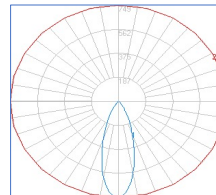
SEN-1R-A-3L-SP-930



SEN-1R-A-3L-NF-930



SEN-1R-A-3L-FL-930



IES Test Information

Test File	S45R1-4W-930-18D
Lumens	348
CBCP (cd)	2465
Power (W)	4
Efficacy (LPW)	86
CRI	90
CCT	3000K
Spacing Criteria (S/H)	0.3
Beam Angle (°)	19

Candlepower Distribution

Angle (°)	Average (cd)
10	1101
20	173
30	36
40	10
50	1
60	0
70	0
80	0
90	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	331	95.1
0-60	348	100.0
0-90	348	100.0

Cone data

Fixture Height		Avg	Beam Diameter	
ft	m	(fc)	ft	m
3.3	1	153	1.0	0.3
6.6	2	39	2.0	0.6
9.8	3	17	3.3	1
13.1	4	10	4.3	1.3
16.4	5	6	5.2	1.6

IES Test Information

Test File	S45R1-4W-930-24D
Lumens	347
CBCP (cd)	1650
Power (W)	4
Efficacy (LPW)	86
CRI	90
CCT	3000K
Spacing Criteria (S/H)	0.4
Beam Angle (°)	24

Candlepower Distribution

Angle (°)	Average (cd)
10	1003
20	252
30	43
40	12
50	2
60	0
70	0
80	0
90	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	328	94.5
0-60	347	100.0
0-90	347	100.0

Cone data

Fixture Height		Avg	Beam Diameter	
ft	m	(fc)	ft	m
3.3	1	106	1.3	0.4
6.6	2	26	1.3	0.4
9.8	3	12	4.3	1.3
13.1	4	7	5.6	1.7
16.4	5	4	6.9	2.1

IES Test Information

Test File	S45R1-4W-930-35D
Lumens	312
CBCP (cd)	751
Power (W)	4
Efficacy (LPW)	77
CRI	90
CCT	3000K
Spacing Criteria (S/H)	0.4
Beam Angle (°)	34

Candlepower Distribution

Angle (°)	Average (cd)
10	585
20	290
30	107
40	24
50	4
60	1
70	0
80	0
90	0

Zonal Lumen Summary

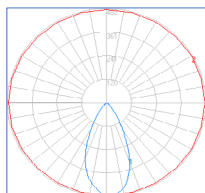
Zone	Lumens	% Fixture
0-30	267	85.6
0-60	312	100.0
0-90	312	100.0

Cone data

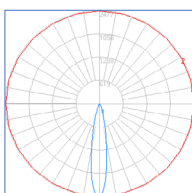
Fixture Height		Avg	Beam Diameter	
ft	m	(fc)	ft	m
3.3	1	46	2.0	0.6
6.6	2	12	3.9	1.2
9.8	3	5	5.9	1.8
13.1	4	3	7.9	2.4
16.4	5	2	10.2	3.1

PHOTOMETRY

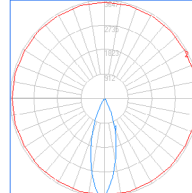
SEN-1R-A-3L-WF-930



SEN-1S-A-3L-SP-930



SEN-1S-A-3L-FL-930



IES Test Information

Test File	S45R1-4W-930-24D
Lumens	326
CBCP (cd)	475
Power (W)	4
Efficacy (LPW)	80
CRI	90
CCT	3000K
Spacing Criteria (S/H)	0.7
Beam Angle (°)	48

Candlepower Distribution

Angle (°)	Average (cd)
10	433
20	311
30	144
40	46
50	11
60	0
70	0
80	0
90	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	250	76.7
0-60	326	100.0
0-90	326	100.0

Cone data

Fixture Height		Avg	Beam Diameter	
ft	m	(fc)	ft	m
3.3	1	29	9.5	2.9
6.6	2	7	5.9	1.8
9.8	3	3	8.9	2.7
13.1	4	2	11.8	3.6
16.4	5	1	14.4	4.4

IES Test Information

Test File	S45S1-4W-930-18D
Lumens	348
CBCP (cd)	2465
Power (W)	4
Efficacy (LPW)	86
CRI	90
CCT	3000K
Spacing Criteria (S/H)	0.3
Beam Angle (°)	19

Candlepower Distribution

Angle (°)	Average (cd)
10	1101
20	173
30	36
40	10
50	1
60	0
70	0
80	0
90	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	331	95.1
0-60	348	100.0
0-90	348	100.0

Cone data

Fixture Height		Avg	Beam Diameter	
ft	m	(fc)	ft	m
3.3	1	153	1.0	0.3
6.6	2	38	2.0	0.6
9.8	3	17	3.3	1
13.1	4	10	4.3	1.3
16.4	5	6	5.2	1.6

IES Test Information

Test File	S45R1-4W-930-35D
Lumens	312
CBCP (cd)	751
Power (W)	4
Efficacy (LPW)	77
CRI	90
CCT	3000K
Spacing Criteria (S/H)	0.6
Beam Angle (°)	34

Candlepower Distribution

Angle (°)	Average (cd)
10	585
20	290
30	107
40	24
50	4
60	1
70	0
80	0
90	0

Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	267	85.6%
0-60	312	100.0%
0-90	312	100.0%

Cone data

Fixture Height		Avg	Beam Diameter	
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3.3	1	46	2.0	0.6
6.6	2	12	3.9	1.2
9.8	3	5	5.9	1.8
13.1	4	3	7.9	2.4
16.4	5	2	10.2	3.1