

PROJECT

TYPE

SPECIFIER

MEMO

ORDERING CODE BREAKDOWN

NAR ARRAY

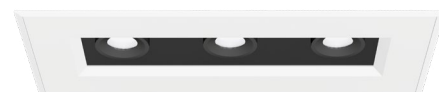
POWERED BY LUCIE
PULL DOWN MULTIPLES

MAIN FEATURES

- 95 CRI Standard; 98+ CRI option available
- 2 pull-down positions with intuitive tension settings in between
- Up to 359° rotation and 0-35° tilt per head
- Modular platform provides easy maintenance for individual components above and below the ceiling
- Dimming to 1% via Standard Phase-cut or 0-10V or optional 0.1% 0-10V or DALI-2
- Custom TIR optic platform to ensure excellent light control
- Accommodates up to two accessories, plus snoot, per head



Open Flangeless Trim (OF)



Beveled Slotted Flange Trim (BF)



FIXTURE	HOUSING FINISH	CEILING THICKNESS	TRIM	TRIM FINISH	BEAM SPREAD	CRI	CCT	LUMENS	POWER SUPPLY	INSTALLATION	MODULE OPTIONS	FIELD OPTIONS
NAR11 : 1-head	PW : Perfect White	1 : 0.50" to 1.38"	OF : Open Flanged	PW : Perfect White	NSP ¹ : 13°	9 : 95 CRI	22 ² : 2200K	700 : 8W per head	UNV : 120-277V Universal	RM : No tray; <i>for retrofit installations</i>	LS : Linear Spread Lens	CASPC ³ : Casambi Wireless Phase-cut Node
NAR12 : 2-head	BK : Black		OM : Open Microflange	BK : Black	NFL : 22°	H ² : 98+ CRI	25 ² : 2500K	1000 ¹ : 10W per head (16W for dim-to-warm)	UDA : 120-277V 0.1% Log DALI-2	NCW : New Construction tray with whip and hanger bars	HL : Honeycomb Louver	CAS10 ³ : Casambi Wireless 0-10V Node
NAR13 : 3-head	BR : Bronze		OT : Open Flangeless	BR : Bronze	FL : 36°	D ¹ : Dim-to-Warm (3000K to 1800K)	27 : 2700K			NCCW : New Construction tray with whip, commercial mounting brackets and hanger bars	SS : Solite Spread Lens	EMI-8W : 8W Emergency Microinverter, 120-277V
NAR14 : 4-head			BF : Beveled Slotted Flanged BM : Beveled Slotted Microflange BT : Beveled Slotted Flangeless		WFL : 61°		30 : 3000K 35 : 3500K 40 : 4000K 50 : 5000K				SN : Snoot	EMI-25W : 25W Emergency Microinverter, 120-277V

Notes: ¹Dim to Warm is 98+ CRI, 3000K to 1800K, 1000 lumens only. Unavailable with NSP

²2200K, 2500K unavailable with 'H' - 98+ CRI

³CASPC and CAS10 only compatible with UNV power supply



NAR ARRAY

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CONSTRUCTION + FINISH

- Weight: NAR11 = 5 lbs.; NAR12 = 6.75 lbs.; NAR13 = 8.5 lbs.; NAR14 = 10.5 lbs.
- Die-cast aluminum alloy housing for optimal thermal performance

TRIM + HOUSING

- Integrated safety chain on housing
- Ceilings: gypsum, wood, specialty
- Ceiling Thickness: ½" - 1½"
- Standard trim colors (*consult factory for custom*):
 - White: RAL 9003
 - Black: RAL 9005
 - Bronze: RAL 8017
- Open with ½" flange or flangeless
- Beveled Slotted with ½" flange or flangeless

OPTICS + PERFORMANCE

- 2 performance packages (lumens and wattages listed are per head)
 - 8W; 700 lumen
 - 10W; 1000 lumens (NSP unavailable)
- 4 custom beam spreads available
 - Narrow Spot - 13°
 - Narrow Flood - 22°
 - Flood - 36°
 - Wide Flood - 61°
- Color Temperatures
 - 95 and 98+ CRI: 2200K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K
 - Dim to Warm: 3000K to 1800K, 16W; 1000 lumen
- Fixture life:
 - Full power: 50,000 hours
 - 75% power: 100,000 hours
 - Below 50% power: 125,000 hours
 - LED 90% lumen maintenance (LM90): 60,000 hours

RATINGS + CERTIFICATIONS

- IC rated
- IP20 and IK08 rated
- UL listed for dry locations (E486938)
- Chicago Plenum rated
- Contain no lead or mercury

ELECTRICAL + CONTROLS

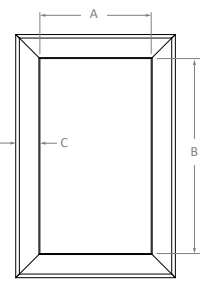
- 120-277V
- TRIAC, ELV and 0-10V dimming to 1%

WARRANTY

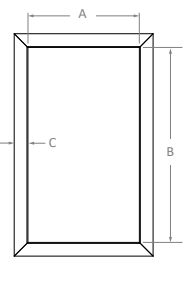
- 5-year warranty

TRIM DETAILS

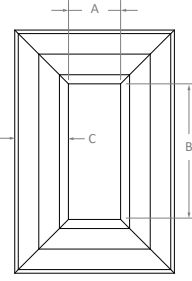
- Open Flange (OF)



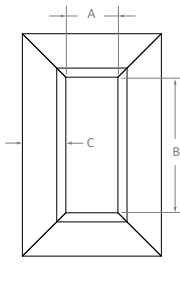
- Open Flangeless (OT)



- Beveled Slotted Flange (BF)



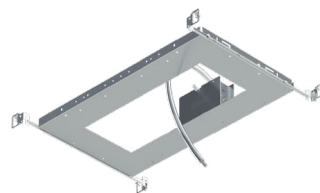
- Beveled Slotted Flangeless (BT)



	Open Flange (OF)	Open Flangeless (OT)	Beveled Slotted Flange (BF)	Beveled Slotted Flangeless (BT)
NAR11	A: 4 5/8" B: 4 3/8" C: 1"	A: 4 5/8" B: 4 3/8" C: 5/8"	A: 2 1/8" B: 2 1/8" C: 1 7/8"	A: 2 1/8" B: 2 1/8" C: 1 3/8"
NAR12	A: 4 5/8" B: 8" C: 1"	A: 4 5/8" B: 8" C: 5/8"	A: 2 1/8" B: 5 5/8" C: 1 7/8"	A: 2 1/8" B: 5 5/8" C: 1 3/8"
NAR13	A: 4 5/8" B: 13 1/4" C: 1"	A: 4 5/8" B: 13" C: 5/8"	A: 2 1/8" B: 11" C: 1 7/8"	A: 2 1/8" B: 11" C: 1 3/8"
NAR14	A: 4 5/8" B: 18 3/8" C: 1"	A: 4 5/8" B: 18 3/8" C: 5/8"	A: 2 1/8" B: 16" C: 1 7/8"	A: 2 1/8" B: 16" C: 1 3/8"

MODULE + FIXTURE DETAILS

- Maintain the light source from below the ceiling



- New Construction Tray



- Mud Flange (flangeless installation)



- Collar



- Safety Chain



- Housing (modules installed)



- Trim

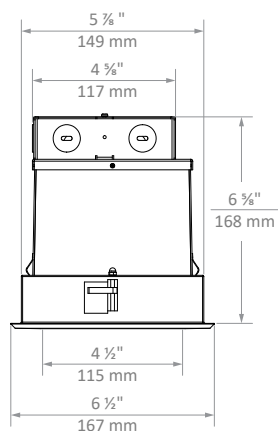
NAR ARRAY

POWERED BY LUCIE
PULL DOWN MULTIPLES

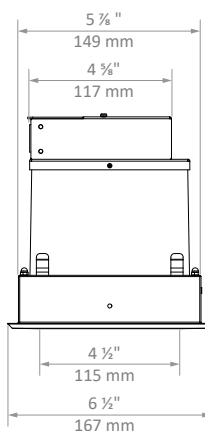
DIMENSIONAL DETAILS

NAR11

- Ceiling Cut-out: 6" x 6"
- Weight: 5 lbs.

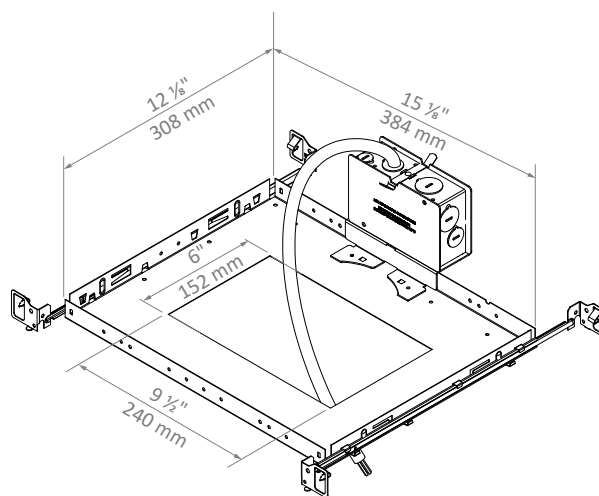
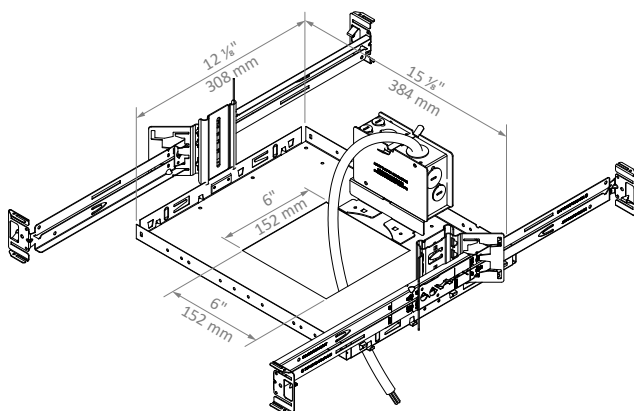
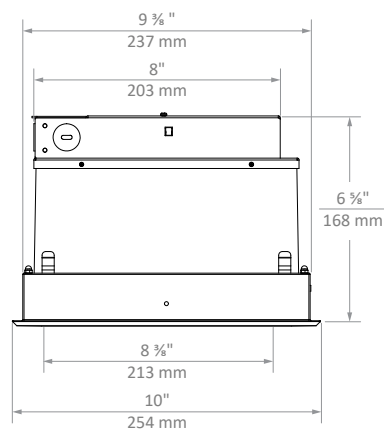
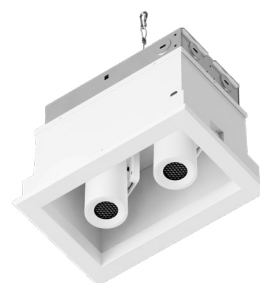


Side view for all



NAR12

- Ceiling Cut-out: 6" x 9 1/2"
- Weight: 6.75 lbs.



- NCW Standard mounting brackets: 14" Minimum to 24" Maximum
- NCCW Commercial mounting brackets: 10" Minimum to 24" Maximum with 2 3/4" vertical adjustment

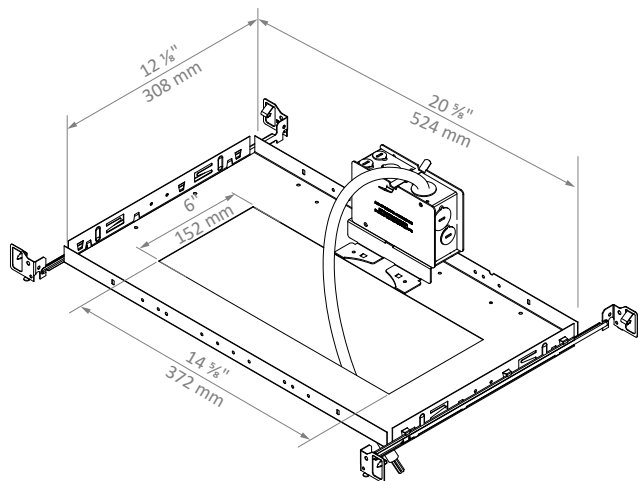
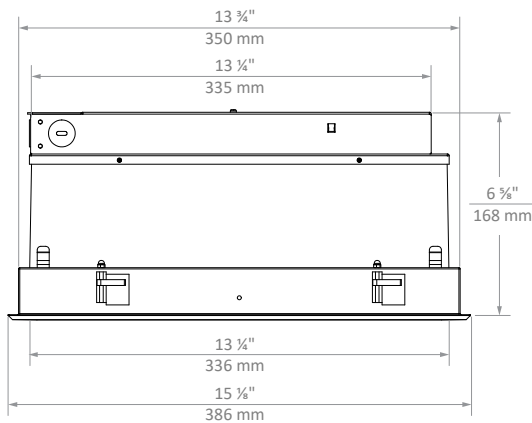
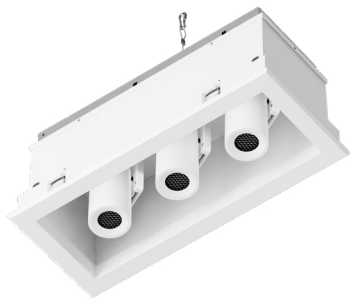
NAR ARRAY

POWERED BY LUCIE
PULL DOWN MULTIPLES

DIMENSIONAL DETAILS

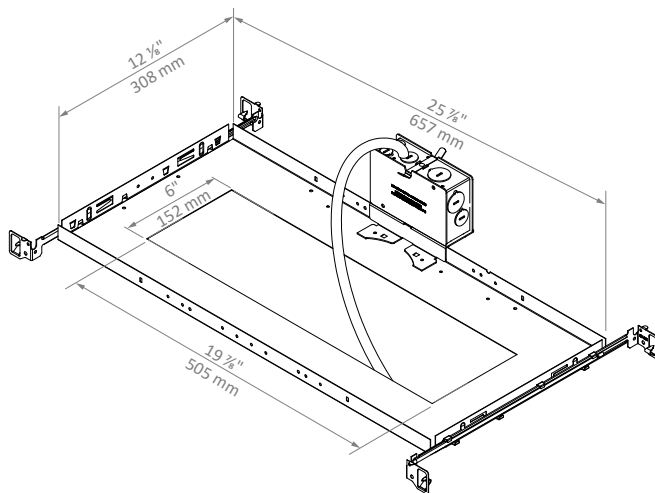
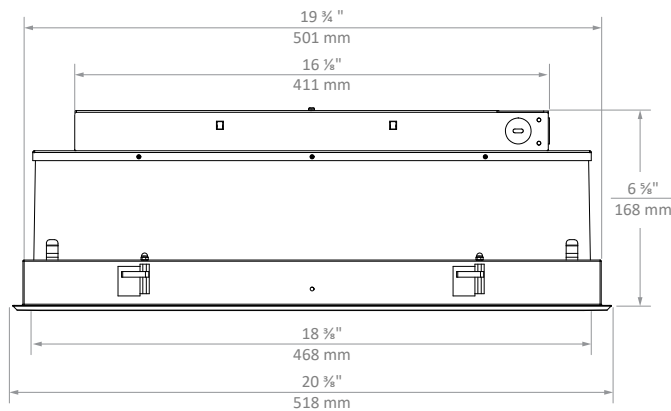
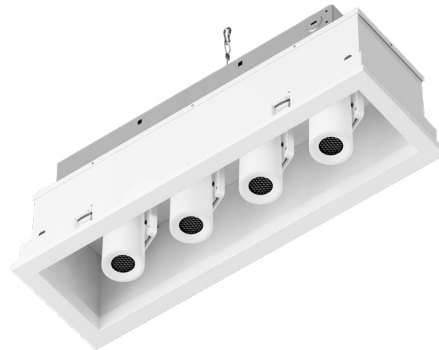
NAR13

- Ceiling Cut-out: 6" x 14 5/8"
- Weight: 8.5 lbs.



NAR14

- Ceiling Cut-out: 6" x 19 7/8"
- Weight: 10.5 lbs.



- NCW Standard mounting brackets: 14" Minimum to 24" Maximum
- NCCW Commercial mounting brackets: 10" Minimum to 24" Maximum with 2 3/4" vertical adjustment

PHOTOMETRIC DETAILS | baseline X output multiplier X cri-cct multiplier = final output

Baseline data shown below for NAR_ _/1/_/_/_/_/_/_/_/930/700/_/_/_ — 8W, 700 lumens, 3000K, 95 CRI

NSP - 13° Narrow Spot

- Input Power: 9.0 W
- Lumens: 488 lm
- Efficacy: 54 lm/W
- CBCP: 7374 cd
- Beam Angle: 13.2°
- Field Angle: 24.0°
- Spacing Criteria: 0.23

∠	0°	45°	90°
0°	7374	7374	7374
10°	4653	4554	4605
15°	1145	1152	1222
20°	174	163	221
25°	65	63	68
30°	44	44	43
35°	20	21	22
40°	11	12	12
45°	10	10	11

NFL - 22° Narrow Flood

- Input Power: 8.0 W
- Lumens: 773 lm
- Efficacy: 97 lm/W
- CBCP: 3990 cd
- Beam Angle: 22.1°
- Field Angle: 42.4°
- Spacing Criteria: 0.39

∠	0°	45°	90°
0°	3990	3990	3990
10°	3532	3559	3607
15°	2138	2097	2236
20°	966	957	1012
25°	430	431	463
30°	175	179	197
35°	76	78	80
40°	42	41	39
45°	27	26	26

FL - 36° Flood

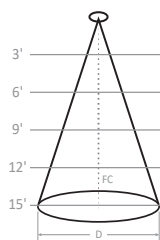
- Input Power: 8.0 W
- Lumens: 808 lm
- Efficacy: 101 lm/W
- CBCP: 1999 cd
- Beam Angle: 35.8°
- Field Angle: 59.9°
- Spacing Criteria: 0.65

∠	0°	45°	90°
0°	1999	1999	1999
10°	1928	1902	1895
15°	1682	1648	1624
20°	1303	1249	1215
25°	846	789	747
30°	452	408	372
35°	217	190	166
40°	102	88	75
45°	48	43	37

WFL - 61° Wide Flood

- Input Power: 8.0 W
- Lumens: 655 lm
- Efficacy: 82 lm/W
- CBCP: 581 cd
- Beam Angle: 60.5°
- Field Angle: 106.7°
- Spacing Criteria: 1.17

∠	0°	45°	90°
0°	581	581	581
10°	570	568	567
15°	537	536	532
20°	486	485	480
25°	426	424	419
30°	363	359	355
35°	301	295	292
40°	241	234	231
45°	183	175	171



0.69' D, 574 FC

1.38' D, 143 FC

2.07' D, 64 FC

2.77' D, 36 FC

3.46' D, 23 FC

1.17' D, 310 FC

2.34' D, 78 FC

3.51' D, 35 FC

4.68' D, 19 FC

5.84' D, 12 FC

1.94' D, 156 FC

3.88' D, 39 FC

5.81' D, 17 FC

7.75' D, 10 FC

9.69' D, 6 FC

3.50' D, 45 FC

7.00' D, 11 FC

10.50' D, 5 FC

14.00' D, 3 FC

17.50' D, 2 FC

OUTPUT MULTIPLIER

Package	Multiplier
1000 lumens; 10W	1.19

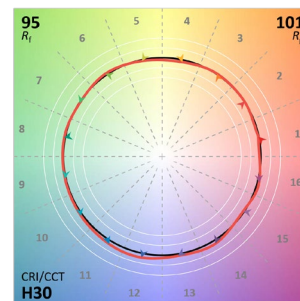
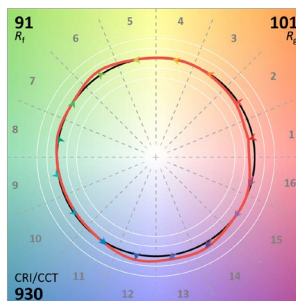
CRI-CCT MULTIPLIERS

CCT	95 CRI	98+ CRI	MonoWhite
2200K	0.80	0.71	--
2500K	0.85	0.76	--
2700K	0.92	0.73	--
3000K	1.00	0.75	0.86
3500K	1.04	0.79	0.88
4000K	1.05	0.80	--
5000K	1.06	0.81	--

TM30 COLOR REPORTS

- 3000K with 95 CRI
- R_A = 95; R_g = 62
- R_f = 91; R_g = 101

- 3000K with 98+ CRI
- R_A = 98; R_g = 96
- R_f = 95; R_g = 101



DIM TO WARM DETAILS | Dim to Warm only available with NFL, FL, and WFL beam spreads

baseline X output multiplier X cri-cct multiplier = final output

Baseline data shown below for NAR__/1/_/_/_/_/_/_/_/930/700/_/_/_ — 8W, 700 lumens, 3000K, 95 CRI

NFL - 28° Narrow Flood

- Input Power: 8.0 W
- Lumens: 458 lm
- Efficacy: 57 lm/W
- CBCP: 1564 cd
- Beam Angle: 27.8°
- Field Angle: 51.6°
- Spacing Criteria: 0.49

∠	0°	45°	90°
0°	1564	1564	1564
10°	1390	1436	1518
15°	864	953	1187
20°	435	502	675
25°	217	262	354
30°	106	131	187
35°	53	64	89
40°	28	33	43
45°	16	19	23

FL - 40° Flood

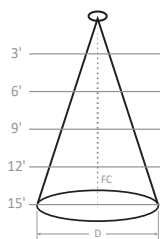
- Input Power: 8.0 W
- Lumens: 507 lm
- Efficacy: 63 lm/W
- CBCP: 1027 cd
- Beam Angle: 40.2°
- Field Angle: 65.7°
- Spacing Criteria: 0.73

∠	0°	45°	90°
0°	1027	1027	1027
10°	1009	999	994
15°	925	923	905
20°	758	767	751
25°	537	543	535
30°	314	324	313
35°	162	171	163
40°	77	87	83
45°	37	44	43

WFL - 63° Wide Flood

- Input Power: 8.0 W
- Lumens: 397 lm
- Efficacy: 50 lm/W
- CBCP: 331 cd
- Beam Angle: 63.2°
- Field Angle: 109.6°
- Spacing Criteria: 1.23

∠	0°	45°	90°
0°	331	331	331
10°	325	324	324
15°	307	308	306
20°	281	282	280
25°	249	250	248
30°	215	216	214
35°	180	179	178
40°	145	143	142
45°	112	110	107



1.48' D, 122 FC

2.97' D, 30 FC

4.45' D, 14 FC

5.94' D, 8 FC

7.42' D, 5 FC

2.20' D, 80 FC

4.39' D, 20 FC

6.59' D, 9 FC

8.78' D, 5 FC

10.98' D, 3 FC

3.69' D, 26 FC

7.38' D, 6 FC

11.07' D, 3 FC

14.76' D, 2 FC

18.46' D, 1 FC

- 3000K to 1800K with 98+ CRI
- $R_A = 95$; $R_g = 62$
- $R_f = 91$; $R_g = 101$

