

PROJECT

TYPE

SPECIFIER

MEMO

ORDERING CODE BREAKDOWN

REMODEL | NEW CONSTRUCTION
STRETTA ADJUSTABLE 4" DOWNLIGHT

MAIN FEATURES

- Designed for remodel installation; new construction tray and Chicago plenum/airtight housing optional
- 95 CRI Standard; 98+ CRI option available
- Delivering up to 900 lumens at 3000K, 95 CRI and 10W
- 40° tilt and 360° rotation for optimal adjustability
- Solais' proprietary driver technology delivers smooth, flicker-free dimming (per IEEE 1789-2015) to 1% via phase-cut or 0-10V
- Custom TIR optic platform to ensure smooth beams and excellent light control with no need for a solite lens
- Modular platform with easy maintenance for individual components
- Fixture accommodates up to 2 accessories. (1 per module and trim)



Round and square with beveled flange shown above.



FIXTURE	COLLAR	TRIM	TRIM FINISH	BEAM SPREAD	CRI	CCT	LUMENS	POWER SUPPLY	INSTALLATION	FIXTURE OPTIONS	OPTIONS
ST4ARM	R1 : Round; 0.5"- 0.75"	BD : Beveled Down Flanged	PW : Perfect White	VNSP ¹ : 11°	9 : 95 CRI	22 ³ : 2200K	700 : 8W	UNV : 120-277V 1% Phase-cut and 0-10V	NCT : New Construction Tray	CASPC : Casambi Wireless Phase-cut Node	Module Options (1 max)
	R2 : Round; 0.75"-1.38"	BDM : Beveled Down Microflange	BK : Black	NSP ² : 17°	H : 98+ CRI	25 ³ : 2500K	1200 : 12W		NCC : New Construction Tray with Commercial Hanging Brackets with field-installed vertical adjustment	CAS10 : Casambi Wireless 0-10V Node	HL : Honeycomb Louver
	S1 : Square; 0.5"-0.75"	BDT : Beveled Down Flangeless	BR : Bronze	NFL : 24°	D : Dim-to-Warm	27 : 2700K	1600 : 18W	UDA : 120-277V 0.1% Logarithmic DALI-2 D4i		CAS : Casambi Wireless DALI-2 Node	LS : Linear Spread Lens
	S2 : Square; 0.75"-1.38"	BA : Beveled Adjustable Flanged	SV : Silver	FL : 38°		30 : 3000K	2000 : 24W		NCH : New Construction CP/IC Housing	AWNCR : Lutron Athena Wireless DALI-2 Node	Trim Options (1 max)
		BAM : Beveled Adjustable Microflange		WFL : 49°		35 : 3500K	1000 ² : 16W (Dim-to-Warm Only)		RM : Remodel Floating J-box	LEV : Leviton Intellect DALI-2 Node	ST : Solite Lens
		BAT : Beveled Adjustable Flangeless				40 : 4000K				WAT : Wattstopper/ Encelium Wireless DALI-2 Node	CT : Clear Lens
		FD : Flat Pinhole Down Flanged				50 : 5000K				EM : 10W Integrated Emergency Battery Backup	LT : Linear Spread Lens
		FDM : Flat Pinhole Down Microflange									
		FDT : Flat Pinhole Down Flangeless									
		BW : Beveled WW Flanged									
		BWM : Beveled WW Microflange									
		BWT : Beveled WW Flangeless									WT : Wide Flood Lens

Notes: ¹VNSP and NSP options are 90+ CRI when selecting '9'

²Dim to Warm is 1000 lumens, 16W, 98+ CRI, 3000K to 1800K; Unavailable with NSP

³2200K, 2500K are only available with '9' and are 90+ CRI

Collar color will be matched to trim finish selection

Solais recommends no lens on trim for best performance

OPTICS + PERFORMANCE

- 6 custom beam spreads available
 - Very Narrow Spot - 11°
 - Narrow Spot - 17°
 - Narrow Flood - 24°
 - Flood - 38°
 - Wide Flood - 49°
 - Very Wide Flood - 67°
- 5 performance packages
 - 8W; 700 lumens
 - 12W; 1200 lumens
 - 16W; 1000 lumens (dim-to-warm-only)
 - 18W; 1600 lumens
 - 24W; 2400 lumens
- Color Temperatures
 - 95 and 98+ CRI: 2200K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K
 - Dim to Warm: 3000K to 1800K
- Fixture life:
 - Full power: 50,000 hours
 - 75% power: 100,000 hours
 - Below 50% power: 125,000 hours
 - LED 90% lumen maintenance: 60,000 hours

TRIM + COLLAR OFFERINGS

- Shapes: Round or Square
- Ceilings: gypsum, wood, t-bar, specialty, other
- Ceiling Thicknesses: ½" - ¾", ¾" - 1 ½"
- Standard trim colors (*consult factory for custom*):
 - White: RAL 9003
 - Black: RAL 9005
 - Bronze: RAL 8017
- Beveled, adjustable, or flat pinhole with ½" flange, ¼" microflange or flangeless/trimless

CONSTRUCTION + FINISH

- Weight 2.4 lbs. (*remodel*)
- Die-cast aluminum alloy housing for optimal thermal performance

POWER + CONTROLS

- Universal Input: 120-277V
- Proprietary Solais driver provides phase-cut or 0-10V dimming <1%

RATINGS + CERTIFICATIONS

- IC rated for remodel installations
 - ≤1000 lumens without tray or housing; else IC rated with NCH only
- UL and cUL listed in U.S.A. and Canada for wet locations when utilizing lensed or wall wash trim; else damp and dry listed
- Title 24 and JA8 compliant
- Conforms to Washington State Energy Code
- Contain no lead or mercury
- Spray foam rated with housing option (NCH only)
- Chicago Plenum rated and Airtight per ASTM E283 with housing option (NCH only)

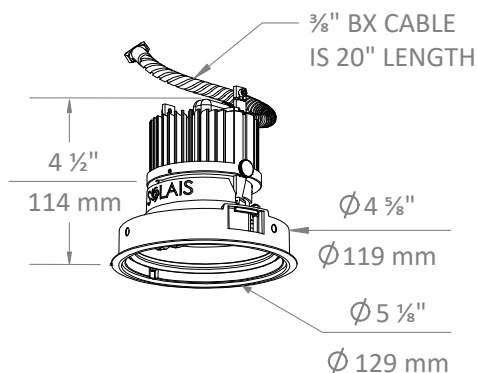
WARRANTY

- 5-year warranty

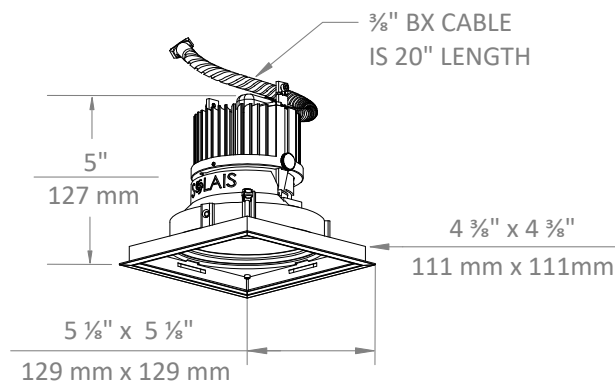
DIMENSIONAL DETAILS

REMODEL

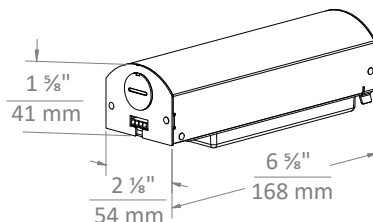
- Round Ceiling Cutout: Ø 4 ¾"



- Square Ceiling Cutout: 4 ⅞" x 4 ⅞"

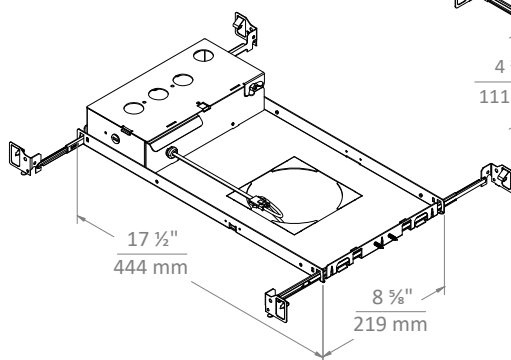


FLOATING J-BOX

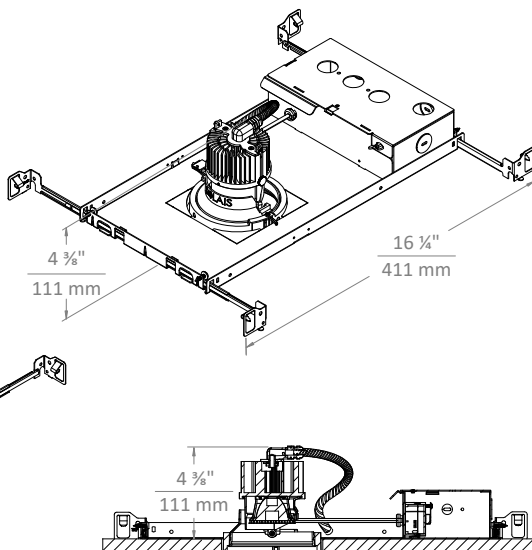


NEW CONSTRUCTION TRAY

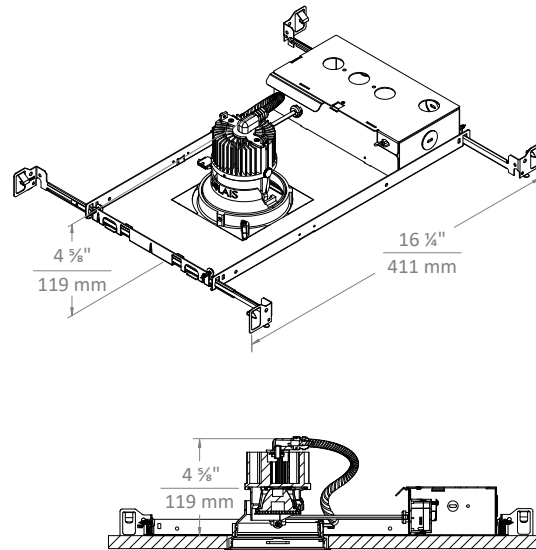
- NCT (5.7 lbs.)
Standard mounting brackets:
14" Minimum to 24" Maximum
- Shown with $\frac{5}{8}$ " ceiling installation



ROUND INSTALLATION

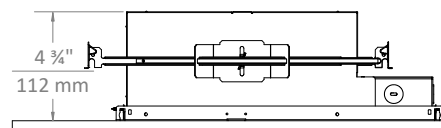
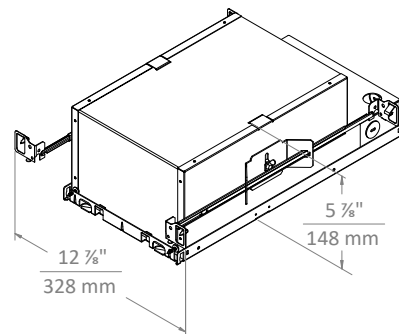
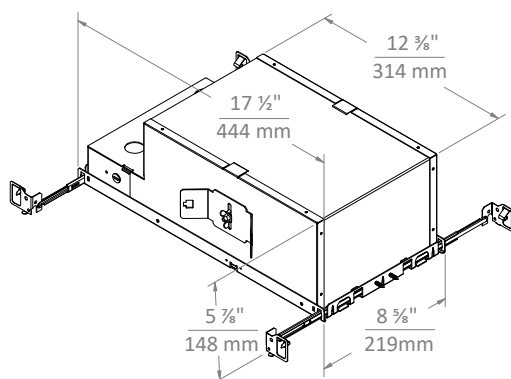


SQUARE INSTALLATION



CHICAGO PLENUM HOUSING

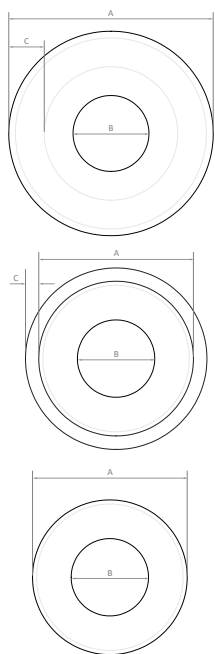
- Chicago plenum, spray foam rated, low airflow housing
- NCH (7.2 lbs.)
Commercial mounting brackets:
10" Minimum to 24" Maximum
with 2 3/4" vertical adjustment
- Shown with $\frac{5}{8}$ " ceiling installation



TRIM + COLLAR DETAIL

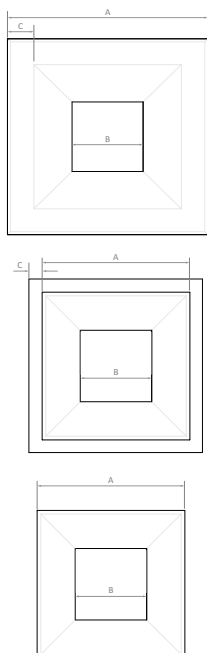
A: Outer installation dimension (to include collar)
B: Aperture dimension
C: Flange dimension

ROUND



	BEVELED DOWN		BEVELED ADJUSTABLE	
	BD		BA	
FLANGED		A: 5 1/4" 134mm B: 2 1/2" 64mm C: 1/2" 13mm		A: 5 1/4" 134mm B: 2 1/2" 64mm C: 1/2" 13mm
MICROFLANGE		A: 4 1/2" 114mm B: 2 1/2" 64mm C: 1/4" 6mm		A: 4 1/2" 114mm B: 2 1/2" 64mm C: 1/4" 6mm
FLANGELESS		A: 4 1/2" 114mm B: 2 1/2" 64mm C: n/a		A: 4 1/2" 114mm B: 2 1/2" 64mm C: n/a

SQUARE



	BEVELED DOWN		BEVELED ADJUSTABLE	
	BD		BA	
FLANGED		A: 5 1/4" 134mm B: 2 1/2" 64mm C: 1/2" 13mm		A: 5 1/4" 134mm B: 2 1/2" 64mm C: 1/2" 13mm
MICROFLANGE		A: 4 1/2" 114mm B: 2 1/2" 64mm C: 1/4" 6mm		A: 4 1/2" 114mm B: 2 1/2" 64mm C: 1/4" 6mm
FLANGELESS		A: 4 1/2" 114mm B: 2 1/2" 64mm C: n/a		A: 4 1/2" 114mm B: 2 1/2" 64mm C: n/a

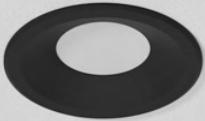
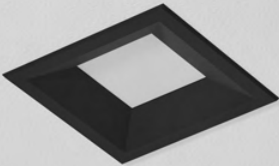
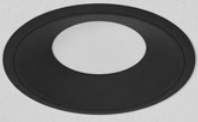
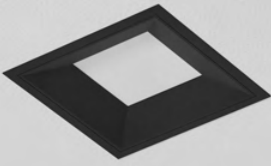
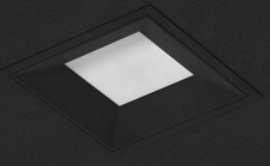
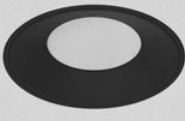
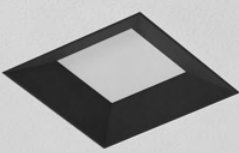
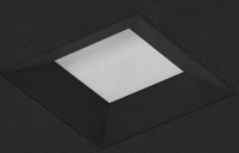
PROJECT

TYPE

ST4Arm

REMODEL | NEW CONSTRUCTION
STRETTA ADJUSTABLE 4" DOWNLIGHT

BEVELED DOWN FINISH DETAILS

	PERFECT WHITE (PW)		BLACK (BK)		BRONZE (BZ)
	IN WHITE CEILING	IN WHITE CEILING	IN BLACK CEILING	IN MILLWORK	IN MILLWORK
FLANGED (BD)					
					
MICROFLANGE (BDM)					
					
FLANGELESS (BDT)					
					

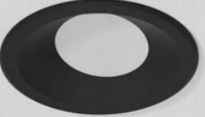
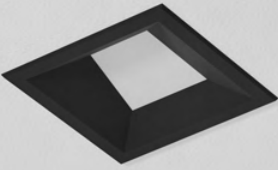
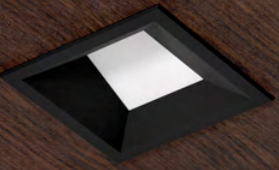
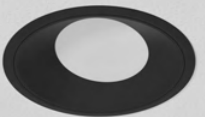
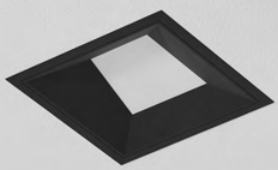
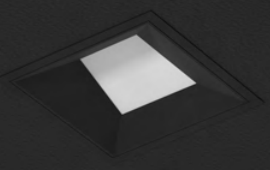
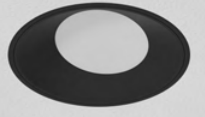
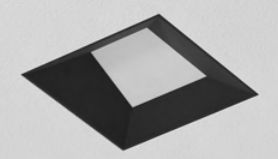
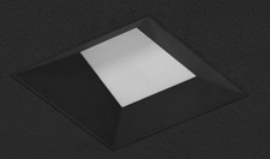
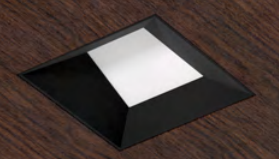
PROJECT

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ST4Arm

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STRETTA ADJUSTABLE 4" DOWNLIGHT

BEVELED ADJUSTABLE FINISH DETAILS

	PERFECT WHITE (PW)		BLACK (BK)		BRONZE (BZ)
	IN WHITE CEILING	IN WHITE CEILING	IN BLACK CEILING	IN MILLWORK	IN MILLWORK
FLANGED (BA)					
					
MICROFLANGE (BAM)					
					
FLANGELESS (BAT)					
					

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

Baseline data shown below for 10W, 900 lumens, 95 CRI , 3000K (700 lumens for NSP)

VNSP - 11° Very Narrow Spot

Input Power: 8W
Lumens: 498 lm
Efficacy: 62 lm/W
CBCP: 10220 cd
Beam Angle: 11.2°
Field Angle: 21.4°
Spacing Criteria: 0.2

∠	0°	45°	90°
0°	9994	9994	9994
5°	4533	4762	6028
10°	737	838	1344
15°	115	119	172
20°	43	46	54
25°	23	28	28
30°	13	18	15
35°	6	9	8
40°	2	4	3
45°	1	2	1

NSP - 17° Narrow Spot

Input Power: 24W
Lumens: 1593 lm
Efficacy: 66 lm/W
CBCP: 13816 cd
Beam Angle: 17.3°
Field Angle: 33.6°
Spacing Criteria: 0.3

∠	0°	45°	90°
0°	13674	13674	13674
5°	11224	10558	10225
10°	5879	5308	5070
15°	2258	1995	1901
20°	732	679	612
25°	247	235	197
30°	82	84	66
35°	30	32	23
40°	9	15	7
45°	4	6	4

NFL - 24° Narrow Flood

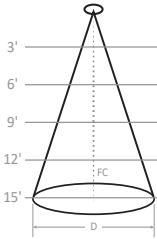
Input Power: 24W
Lumens: 2157 lm
Efficacy: 90 lm/W
CBCP: 9278 cd
Beam Angle: 24.0°
Field Angle: 48.0°
Spacing Criteria: 0.43

∠	0°	45°	90°
0°	9247	9247	9247
5°	8027	8219	8575
10°	5449	5685	6142
15°	3217	3369	3720
20°	1658	1977	2090
25°	714	1150	975
30°	261	515	351
35°	62	153	101
40°	16	43	22
45°	8	14	11

FL - 38° Flood

Input Power: 24W
Lumens: 2077 lm
Efficacy: 87 lm/W
CBCP: 4407 cd
Beam Angle: 37.8°
Field Angle: 66.2°
Spacing Criteria: 0.68

∠	0°	45°	90°
0°	4404	4404	4404
5°	4323	4268	4316
10°	3813	3806	3918
15°	2968	2995	3146
20°	2000	2084	2208
25°	1188	1311	1353
30°	646	737	759
35°	297	385	395
40°	128	189	171
45°	60	83	81



0.59' D; 777 FC
1.18' D; 194 FC
1.76' D; 86 FC
2.35' D; 49 FC
2.94' D; 31 FC

0.91' D; 1064 FC
1.83' D; 266 FC
2.74' D; 118 FC
3.65' D; 67 FC
4.56' D; 43 FC

1.28' D; 719 FC
2.55' D; 180 FC
3.83' D; 80 FC
5.10' D; 45 FC
6.38' D; 29 FC

2.05' D; 343 FC
4.10' D; 86 FC
6.15' D; 38 FC
8.21' D; 21 FC
10.26' D; 14 FC

WFL - 49° Wide Flood

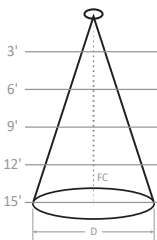
Input Power: 24W
Lumens: 1869 lm
Efficacy: 78 lm/W
CBCP: 2738 cd
Beam Angle: 49.2°
Field Angle: 72.3°
Spacing Criteria: 0.91

∠	0°	45°	90°
0°	2735	2735	2735
5°	2683	2691	2702
10°	2543	2544	2548
15°	2271	2277	2293
20°	1840	1899	1907
25°	1304	1440	1414
30°	801	990	940
35°	308	641	485
40°	92	371	134
45°	32	136	45

VFL - 67° Very Wide Flood

Input Power: 24W
Lumens: 1907 lm
Efficacy: 79 lm/W
CBCP: 1437 cd
Beam Angle: 67.1°
Field Angle: 115.5°
Spacing Criteria: 1.33

∠	0°	45°	90°
0°	1434	1434	1434
5°	1426	1414	1404
10°	1375	1347	1327
15°	1286	1245	1212
20°	1170	1121	1073
25°	1033	983	926
30°	882	840	780
35°	723	695	640
40°	563	553	507
45°	415	419	385



2.74' D; 213 FC
5.49' D; 53 FC
8.23' D; 24 FC
10.98' D; 13 FC
13.72' D; 9 FC

3.98' D; 112 FC
7.95' D; 28 FC
11.93' D; 12 FC
15.90' D; 7 FC
19.88' D; 5 FC

OUTPUT MULTIPLIER

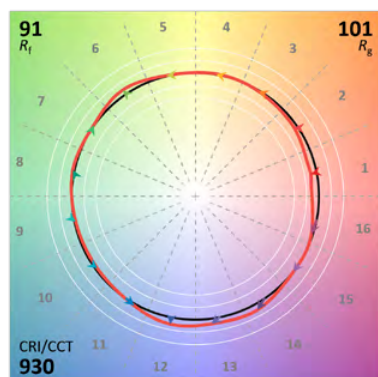
Package	Multiplier
24W 2000 lm	1.00
18W 1600 lm	0.75
12W 1200 lm	0.50
8W 700 lm	0.33

CRI-CCT MULTIPLIER

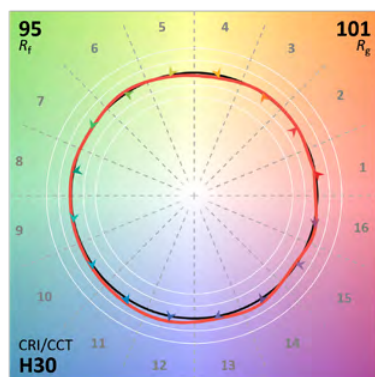
CCT	95 CRI	98+ CRI
2700K	0.92	0.73
3000K	1.00	0.75
3500K	1.04	0.79
4000K	1.05	0.80
5000K	1.06	0.81

TM30 COLOR REPORTS

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

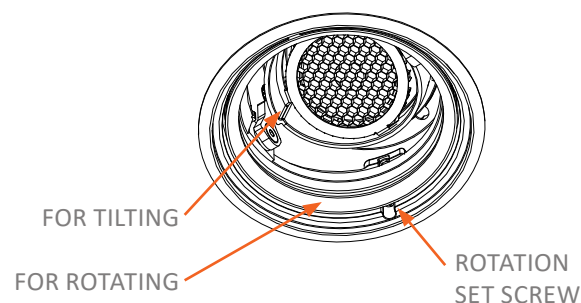


- 3000K with 98+ CRI
- $R_A = 98$; $R_g = 96$
- $R_f = 95$; $R_g = 101$



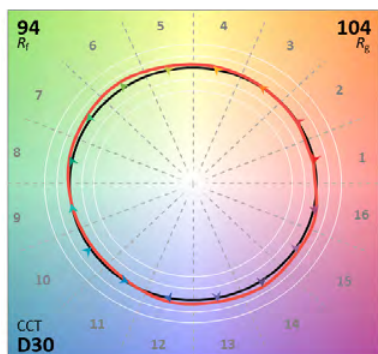
MODULE ADJUSTABILITY

- Aim light by pushing the module to desired tilt angle
- Rotate module by placing two fingers on rotating ring and twisting
- Fasten set screw to lock position



DIM TO WARM DETAILS | Dim to Warm only available with NFL, FL, WFL, and VFL beam spreads @ 15W; 900 lumens

- 3000K to 1800K with 98+ CRI
- $R_A = 95$; $R_g = 62$
- $R_f = 94$; $R_g = 104$



NFL - Narrow Flood

Input Power: 15W
Lumens: 986 lm
Efficacy: 66 lm/W
CBCP: 6386 cd
Beam Angle: 20.2°
Field Angle: 38.9°
Spacing Criteria: 0.36

∠	0°	45°	90°
0°	6345	6345	6345
5°	5656	5404	5244
10°	3510	3122	2972
15°	1619	1367	1298
20°	629	562	516
25°	225	213	194
30°	77	76	66
35°	23	26	17
40°	6	10	5
45°	3	4	2

FL - Flood

Input Power: 15W
Lumens: 899 lm
Efficacy: 60 lm/W
CBCP: 2032 cd
Beam Angle: 36.3°
Field Angle: 65.4°
Spacing Criteria: 0.65

∠	0°	45°	90°
0°	2023	2023	2023
5°	1983	1950	1931
10°	1762	1687	1653
15°	1357	1262	1229
20°	909	827	801
25°	541	490	470
30°	303	273	263
35°	157	148	124
40°	66	75	53
45°	31	32	24

WFL - Wide Flood

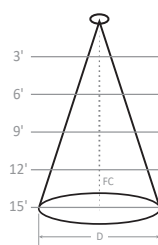
Input Power: 15W
Lumens: 750 lm
Efficacy: 50 lm/W
CBCP: 965 cd
Beam Angle: 55.0°
Field Angle: 74.6°
Spacing Criteria: 1.04

∠	0°	45°	90°
0°	930	930	930
5°	917	915	900
10°	878	863	858
15°	800	780	785
20°	700	676	680
25°	572	557	545
30°	413	426	362
35°	207	296	138
40°	51	185	39
45°	18	62	14

NFL - Narrow Flood + WT

Input Power: 15W
Lumens: 896 lm
Efficacy: 60 lm/W
CBCP: 783 cd
Beam Angle: 60.6°
Field Angle: 108.6°
Spacing Criteria: 1.17

∠	0°	45°	90°
0°	782	782	782
5°	772	769	766
10°	731	726	720
15°	667	660	653
20°	592	581	570
25°	515	497	482
30°	436	411	393
35°	356	326	307
40°	275	245	228
45°	199	172	158



3'	1.07' D; 494 FC
6'	2.14' D; 123 FC
9'	3.21' D; 55 FC
12'	4.28' D; 31 FC
15'	5.34' D; 20 FC

3'	1.96' D; 157 FC
6'	3.93' D; 39 FC
9'	5.89' D; 18 FC
12'	7.86' D; 10 FC
15'	9.82' D; 6 FC

3'	3.12' D; 72 FC
6'	6.24' D; 18 FC
9'	9.36' D; 8 FC
12'	12.48' D; 5 FC
15'	15.60' D; 3 FC

3'	3.50' D; 61 FC
6'	7.01' D; 15 FC
9'	10.51' D; 7 FC
12'	14.01' D; 4 FC
15'	17.51' D; 2 FC