

PROJECT

TYPE

SPECIFIER

MEMO

ORDERING CODE BREAKDOWN

REMODEL | NEW CONSTRUCTION
STRETTA ADJUSTABLE 2" 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
ST2ARM	R1 : Round; 0.5"-0.75"	BD : Beveled Down Flanged	PW : Perfect White	NSP ¹² : 13°	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	NFL : 22°	H : 98+ CRI	25 ³ : 2500K	900 : 10W		NCC : New Construction Tray with Commercial Hanging Brackets with Vertical Adjustment	CAS10 : Casambi Wireless 0-10V Node	HL : Honeycomb Louver
	S1 : Square; 0.5"-0.75"	BDT : Beveled Down Flangeless	BR : Bronze	FL : 36°	D ² : Dim-to-Warm	27 : 2700K		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	WFL : 55°		30 : 3000K			NCH : New Construction CP/IC Housing	AWNCR : Lutron Athena Wireless DALI-2 Node	Trim Options (1 max)
		BAM : Beveled Adjustable Microflange				35 : 3500K			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									WT : Wide Flood Lens
		FDT : Flat Pinhole Down Flangeless									
		BW : Beveled WW Flanged									
		BWM : Beveled WW Microflange									
		BWT : Beveled WW Flangeless									

Notes: ¹NSP options are 90+ CRI when selecting '9'
²Dim to Warm is 98+ CRI, 3000K to 1800K; Unavailable with NSP
³2200K, 2500K are only available with '9' and are 90+ CRI
 Solais recommends no lens on trim for best performance
 Collar color will be matched to trim finish selection

OPTICS + PERFORMANCE

- 4 custom beam spreads available
 - Narrow Spot - 13°
 - Narrow Flood - 22°
 - Flood - 36°
 - Wide Flood - 55°
- 2 performance packages
 - 8W; 700 lumens
 - 10W; 900 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 ⅜"
- 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 (without tray or housing)
- 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 (CPCW only)
- Chicago Plenum rated with housing option (CPCW only)
- Airtight per ASTM E283 with housing option (CPCW only)

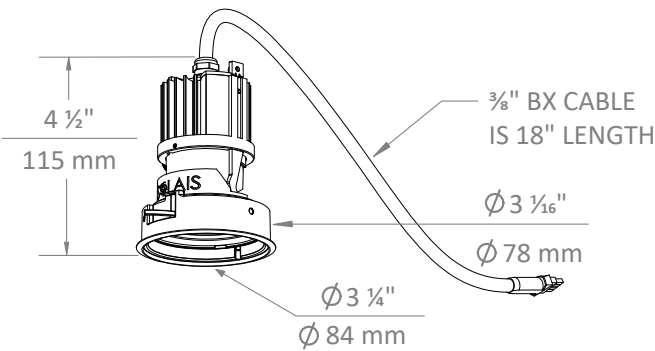
WARRANTY

- 5-year warranty

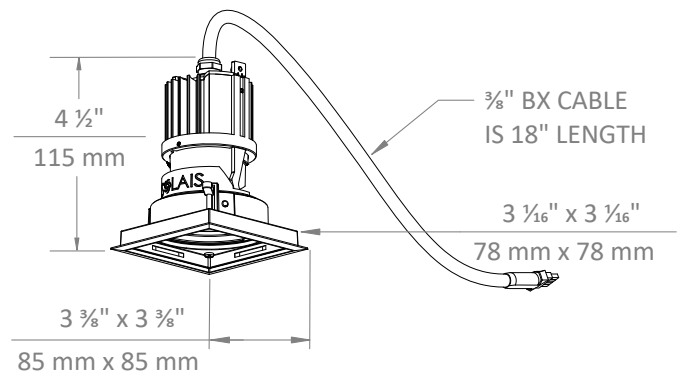
DIMENSIONAL DETAILS

REMODEL

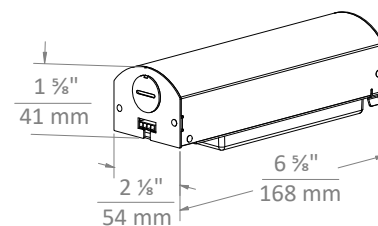
- Round Ceiling Cutout: Ø 3 ⅞"



- Square Ceiling Cutout: 3 ⅞" x 3 ⅞"

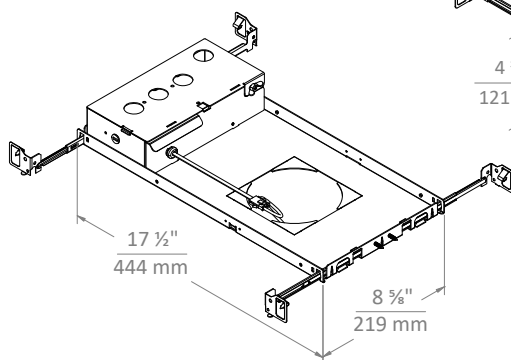


FLOATING J-BOX

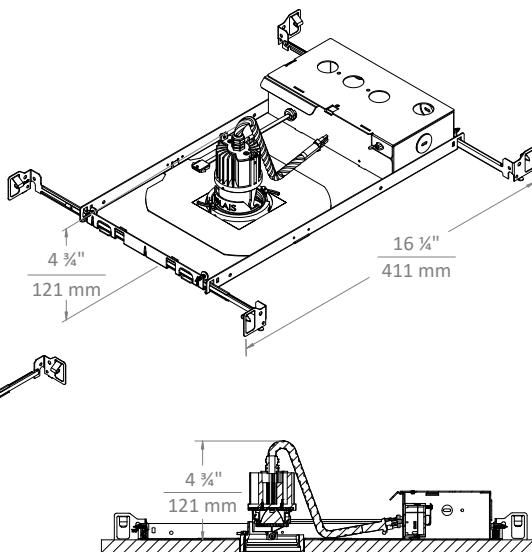


NEW CONSTRUCTION TRAY

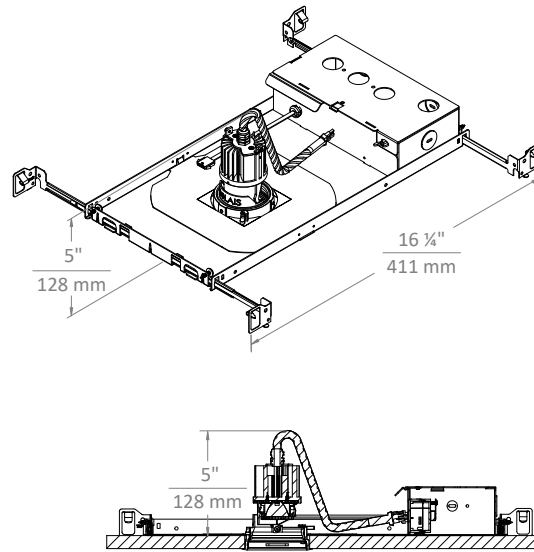
- NCT (5.7 lbs.)
Standard mounting brackets:
14" Minimum to 24" Maximum
- Shown with $\frac{5}{8}$ " ceiling installation



ROUND INSTALLATION

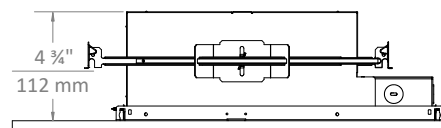
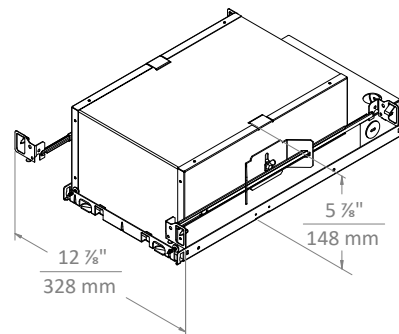
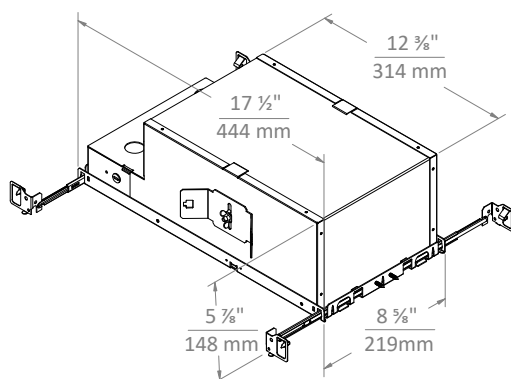


SQUARE INSTALLATION



CHICAGO PLENUM HOUSING

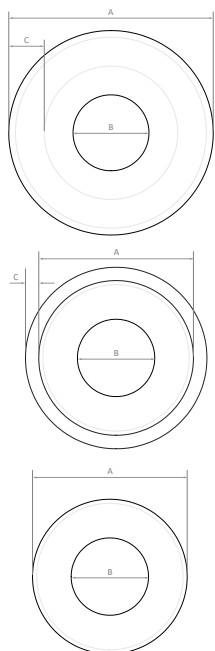
- Chicago plenum, spray foam rated, low airflow housing
- NCH (7.2 lbs.)
Commercial mounting brackets:
10" Minimum to 24" Maximum
with 2 3/4" vertical adjustment
- Shown with $\frac{5}{8}$ " ceiling installation



TRIM + COLLAR DETAIL

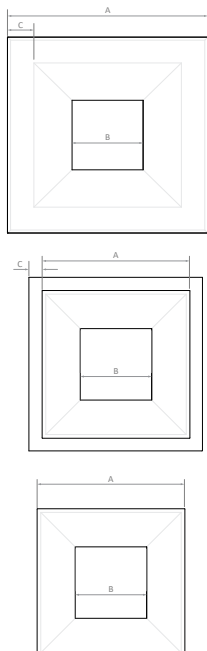
A: Outer installation dimension (to include collar)
B: Aperture dimension
C: Flange dimension

ROUND



	BEVELED DOWN		BEVELED ADJUSTABLE		FLAT PINHOLE	
	BD		BA		FD	
FLANGED		A: 4" 102mm B: 1 3/8" 35mm C: 1/2" 13mm		A: 4" 102mm B: 1 3/8" 35mm C: 1/2" 13mm		A: 4" 102mm B: 1 3/8" 35mm C: 1/2" 13mm
MICROFLANGE	BDM		BAM		FDM	
		A: 3" 75mm B: 1 3/8" 35mm C: 1/4" 6mm		A: 3" 75mm B: 1 3/8" 35mm C: 1/4" 6mm		A: 3" 75mm B: 1 3/8" 35mm C: 1/4" 6mm
FLANGELESS	BDT		BAT		FDT	
		A: 3" 75mm B: 1 3/8" 35mm C: n/a		A: 3" 75mm B: 1 3/8" 35mm C: n/a		A: 3" 75mm B: 1 3/8" 35mm C: n/a

SQUARE



	BEVELED DOWN		BEVELED ADJUSTABLE		FLAT PINHOLE	
	BD		BA		FD	
FLANGED		A: 3 7/8" 98mm B: 1 3/8" 35mm C: 1/2" 13mm		A: 3 7/8" 98mm B: 1 3/8" 27mm C: 1/2" 13mm		A: 3 7/8" 98mm B: 1 3/8" 35mm C: 1/2" 13mm
MICROFLANGE	BDM		BAM		FDM	
		A: 2 7/8" 72mm B: 1 3/8" 35mm C: 1/4" 6mm		A: 2 7/8" 72mm B: 1 3/8" 27mm C: 1/4" 6mm		A: 2 7/8" 72mm B: 1 3/8" 35mm C: 1/4" 6mm
FLANGELESS	BDT		BAT		FDT	
		A: 2 7/8" 72mm B: 1 3/8" 35mm C: n/a		A: 2 7/8" 72mm B: 1 3/8" 27mm C: n/a		A: 2 7/8" 72mm B: 1 3/8" 35mm C: n/a

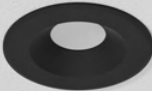
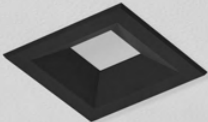
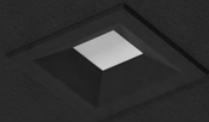
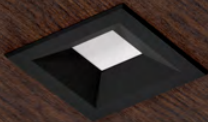
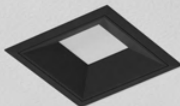
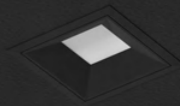
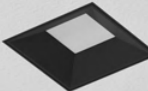
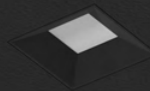
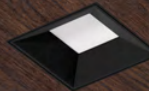
PROJECT

TYPE

ST2Arm

REMODEL | NEW CONSTRUCTION
STRETTA ADJUSTABLE 2" 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)					
					

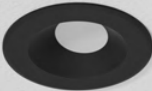
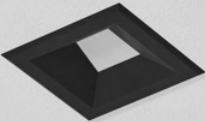
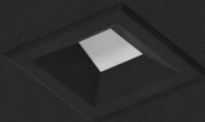
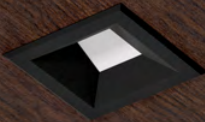
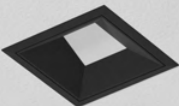
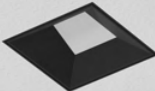
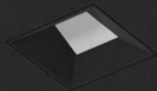
PROJECT

TYPE

ST2Arm

REMODEL | NEW CONSTRUCTION
STRETTA ADJUSTABLE 2" 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)					
					

PROJECT

TYPE

ST2Arm

REMODEL | NEW CONSTRUCTION
STRETTA ADJUSTABLE 2" DOWNLIGHT

FLAT PINHOLE FINISH DETAILS

	PERFECT WHITE (PW)	BLACK (BK)		BRONZE (BZ)	
	IN WHITE CEILING	IN WHITE CEILING	IN BLACK CEILING	IN MILLWORK	IN MILLWORK
FLANGED (FD)					
MICROFLANGE (FDM)					
FLANGELESS (FDT)					

PROJECT _____

TYPE _____

REMODEL | NEW CONSTRUCTION
STRETTA ADJUSTABLE 2" DOWNLIGHT

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)

NSP - 13° Narrow Spot

Input Power: 9.1W
Lumens: 473 lm
Efficacy: 52 lm/W
CBCP: 6159 cd
Beam Angle: 12.7°
Field Angle: 29.0°
Spacing Criteria: 0.22

∠	0°	45°	90°
0°	6116	6116	6116
5°	3854	3501	3553
10°	1265	1190	1176
15°	535	500	450
20°	139	125	131
25°	36	31	35
30°	9	7	8
35°	0	0	0
40°	0	0	0
45°	0	0	0

SP - 20° Spot

Input Power: 10.4W
Lumens: 694 lm
Efficacy: 67 lm/W
CBCP: 3971 cd
Beam Angle: 20.4°
Field Angle: 43.7°
Spacing Criteria: 0.36

∠	0°	45°	90°
0°	3957	3957	3957
5°	3358	3238	3298
10°	1912	1810	1870
15°	938	881	971
20°	469	400	466
25°	185	153	188
30°	53	45	50
35°	10	7	5
40°	0	0	0
45°	0	0	0

NFL - 28° Narrow Flood

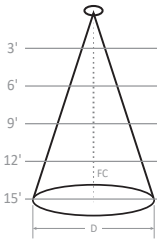
Input Power: 10.4W
Lumens: 915 lm
Efficacy: 88 lm/W
CBCP: 3449 cd
Beam Angle: 27.9°
Field Angle: 52.1°
Spacing Criteria: 0.5

∠	0°	45°	90°
0°	3431	3431	3431
5°	3112	3080	3126
10°	2280	2268	2379
15°	1294	1309	1449
20°	651	646	751
25°	288	298	379
30°	60	65	141
35°	0	0	15
40°	0	0	0
45°	0	0	0

FL - 36° Flood

Input Power: 10.4W
Lumens: 855 lm
Efficacy: 82 lm/W
CBCP: 2415 cd
Beam Angle: 35.9°
Field Angle: 55.7°
Spacing Criteria: 0.65

∠	0°	45°	90°
0°	2411	2411	2411
5°	2302	2273	2285
10°	2007	1943	1969
15°	1532	1456	1482
20°	893	832	876
25°	371	336	357
30°	120	110	124
35°	20	18	21
40°	1	0	1
45°	0	0	0



0.67' D; 458 FC
1.33' D; 119 FC
2.00' D; 53 FC
2.66' D; 30 FC
3.33' D; 17 FC

1.08' D; 308 FC
2.16' D; 77 FC
3.24' D; 34 FC
4.32' D; 19 FC
5.40' D; 12 FC

1.49' D; 267 FC
2.98' D; 67 FC
4.46' D; 30 FC
5.95' D; 17 FC
7.44' D; 11 FC

1.94' D; 188 FC
3.88' D; 47 FC
5.82' D; 21 FC
7.76' D; 12 FC
9.70' D; 8 FC

WFL - 52° Wide Flood

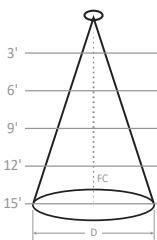
Input Power: 10.4W
Lumens: 810 lm
Efficacy: 78 lm/W
CBCP: 973 cd
Beam Angle: 52.2°
Field Angle: 91.7°
Spacing Criteria: 0.98

∠	0°	45°	90°
0°	973	973	973
5°	946	948	954
10°	877	878	890
15°	773	769	787
20°	645	634	655
25°	510	492	513
30°	383	362	378
35°	272	252	263
40°	183	166	172
45°	115	101	100

VFL - 67° Very Wide Flood

Input Power: 10.4W
Lumens: 741 lm
Efficacy: 71 lm/W
CBCP: 594 cd
Beam Angle: 66.9°
Field Angle: 108.0°
Spacing Criteria: 1.32

∠	0°	45°	90°
0°	594	575	548
5°	564	536	498
10°	522	484	439
15°	470	425	377
20°	410	361	315
25°	344	294	254
30°	275	228	195
35°	205	164	139
40°	138	98	78
45°	69	37	27



2.94' D; 76 FC
5.88' D; 19 FC
8.82' D; 8 FC
11.76' D; 5 FC
14.70' D; 3 FC

3.96' D; 46 FC
7.93' D; 12 FC
11.89' D; 5 FC
15.86' D; 3 FC
19.82' D; 2 FC

OUTPUT MULTIPLIER

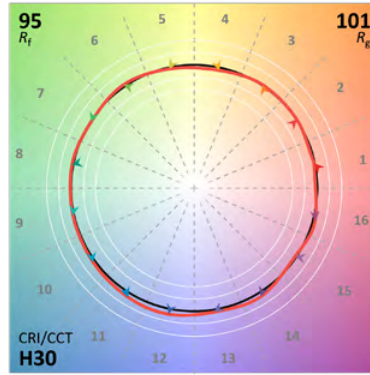
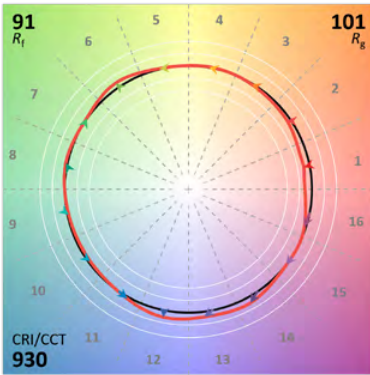
Package	Multiplier
8W 700 lm	0.79

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

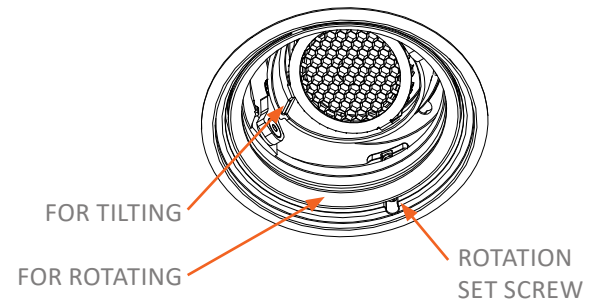
TM30 COLOR REPORTS

- 3000K with 95 CRI
- $R_A = 95$; $R_g = 62$
- $R_f = 92$; $R_g = 101$
- 3000K with 98+ CRI
- $R_A = 98$; $R_g = 96$
- $R_f = 95$; $R_g = 96$



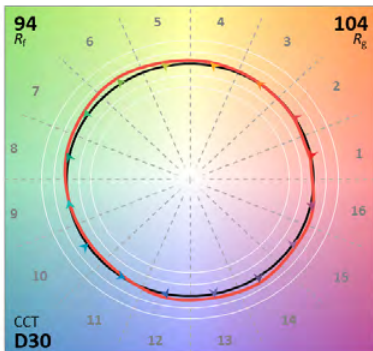
MODULE ADJUSTABILITY

- 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 @ 10 W; 900 lumens

- 3000K to 1800K with 98+ CRI
- $R_A = 95$; $R_g = 62$
- $R_f = 92$; $R_g = 101$



NFL - Narrow Flood

Input Power: 9.8 W
Lumens: 703 lm
Efficacy: 72 lm/W
CBCP: 1831 cd
Beam Angle: 32.2°
Field Angle: 62.6°
Spacing Criteria: 0.58

∠	0°	45°	90°
0°	1831	1831	1831
5°	1755	1763	1757
10°	1485	1494	1477
15°	1037	1027	1005
20°	619	604	591
25°	366	353	347
30°	216	202	197
35°	120	110	106
40°	60	54	53
45°	29	26	24

FL - Flood

Input Power: 9.8 W
Lumens: 691 lm
Efficacy: 71 lm/W
CBCP: 1423 cd
Beam Angle: 39.5°
Field Angle: 66.4°
Spacing Criteria: 0.72

∠	0°	45°	90°
0°	1422	1422	1422
5°	1372	1366	1365
10°	1229	1214	1227
15°	993	962	979
20°	684	649	657
25°	390	362	371
30°	207	188	191
35°	112	101	102
40°	58	53	53
45°	27	25	25

WFL - Wide Flood

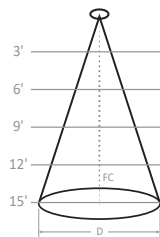
Input Power: 9.8 W
Lumens: 523 lm
Efficacy: 53 lm/W
CBCP: 613 cd
Beam Angle: 52.7°
Field Angle: 93.0°
Spacing Criteria: 0.99

∠	0°	45°	90°
0°	609	609	609
5°	586	580	583
10°	537	526	532
15°	468	453	461
20°	385	368	378
25°	297	281	291
30°	215	200	210
35°	146	133	142
40°	93	82	89
45°	53	45	49

VFL - Very Wide Flood

Input Power: 9.8 W
Lumens: 496 lm
Efficacy: 51 lm/W
CBCP: 376 cd
Beam Angle: 70.2°
Field Angle: 111.4°
Spacing Criteria: 1.41

∠	0°	45°	90°
0°	373	373	373
5°	359	357	361
10°	334	330	339
15°	302	294	308
20°	265	255	271
25°	227	217	234
30°	191	181	199
35°	157	148	162
40°	124	117	126
45°	92	87	93



1.73' D; 142 FC
3.46' D; 36 FC
5.20' D; 16 FC
6.93' D; 9 FC
8.66' D; 6 FC

2.15' D; 111 FC
4.31' D; 28 FC
6.46' D; 12 FC
8.62' D; 7 FC
10.77' D; 4 FC

2.97' D; 47 FC
5.94' D; 12 FC
8.92' D; 5 FC
11.89' D; 3 FC
14.86' D; 2 FC

4.22' D; 29 FC
8.43' D; 7 FC
12.65' D; 3 FC
16.87' D; 2 FC
21.08' D; 1 FC