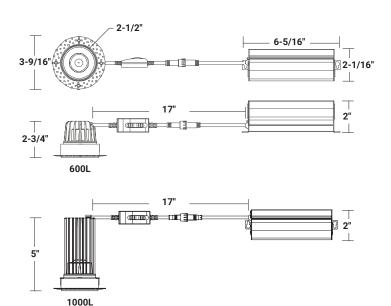








DIMENSIONS



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
600L	711L	8W
1000L	1241L	11W

Based on 4000K, 90+ CRI. Actual wattage may vary +/- 5%

INSTALLATION

Cut hole in ceiling. Insert luminaire into opening by squeezing spring clips on both sides of luminaire. The width in ceiling needed for the driver to fit is 3".

For wet location application, you MUST seal all gaps between the ceiling and fixture with weatherproof silicone sealant. This deters moisture and water from damaging fixtures and other mechanical ceiling elements. Installation hole size: 2-3/5"

FEATURES

SEAMLESS INTEGRATION, RADIANT ILLUMINATION

This 2" canless downlight features a trimless, modular design for easy installation and a regressed lens and smooth reflector for a radiant, glare-free illumination. Engineered for new construction, remodel, or retrofit applications and accommodates insulated and dropped ceilings. Five selectable CCT allow for versatile atmospheres. Ideal for use in lobbies, showrooms, offices, living spaces, hallways, and studios in corporate, residential, commercial, retail healthcare and hospitality spaces. No housing or driver necessary. Wet location and IC rated.

LUMENS	600L, 1000L
ССТ	27K/30K/35K/40K/50K
CRI	90+ Standard
COLOR QUALITY	3-Step MacAdam Ellipse
MOUNTING	Recessed Trimless
DIMMING	DIMTR - 10% Triac Dimming
BEAM ANGLE	MD (Medium, 38°), ND (Narrow, 24°) and WD (Wide, 60°)
FINISH	White (W-WH)
WORKING TEMP.	-20°C (-4°F) to 40°C (104°F)
UGR	UGR<19
EMERGENCY	16W High Voltage Inverter (Remote)
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC	In accordance with IES LM79-08, LM80 and TM-30, TM-21















OPTICS

Features a slightly regressed polycarbonate lens and smooth reflector for uniform, low-glare illumination.

Available in lumen packages of 600L or 1000L and 5 selectable color temperatures of 2700K/3000K/3500K/4000K/5000K enable different warm to cool moods and atmospheres. CCT factory set to 5000K.

A CRI value of 90 guarantees vibrant, natural color display, while a 38° beam angle makes for a Medium (MD) distribution.

Additional 24° and 60° TIR optics available to order separately.

CONSTRUCTION

A durable, die-cast aluminum body allows for lightweight installation and thermal regulation. A twist and lock module design allows for easy mounting. A small aperture and shallow depth allow for unlimited applications.

Perforated mesh cover designed for a seamless drywall or plaster mud-in.

Remote steel driver/junction box included. Multi-CCT switch located on cord for remote driver.

Airtight, wet location and IC rated. Available in a white finish.

MAINTENANCE

Fixture can be regularly and safely wiped down to ensure optimal fixture performance.

MOUNTING

Suitable for recessed mounting. Recommended hole cut-out size is 2-3/5".

OPTIONS & ACCESSORIES

Available to order separately:

- -16W emergency battery back-up option
- Optional TIR optics: Narrow (ND) at 24° and Wide (WD) distribution at 60°

Extension cable options:

- RL-ACC-SLIM-1-10F (10-ft)
- RL-ACC-SLIM-1-20F (20-ft)

Rough Plate options:

- RL-UNV-2/3/4 for use with 2", 3", and 4" downlights.
- **RL-UNV-1/2/3/4/5/6/8/10** Universal Mounting Plate for 1", 2", 3", 4", 5", 6", 8" and 10" downlights
- RL-ACC-SLIM-2-ROUGHPLATE for use with 2" downlights

See order chart for details.

DRIVER & ELECTRICAL INFORMATION

Powered by high-quality constant-current power LED drivers which are rated for 50 to 60Hz at 120V-277V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

DIMMING

DIMTR - 10% Triac dimming at 120V.

WARRANTY

5-year warranty for parts and components (labor not included).

LISTINGS

ETL listed.

Energy Star listed.

JA8 and Title 24 compliant.

Wet location suitable.

IC rated, air-tight, and ready for contact with insulation.

MULTI-CCT SWITCH







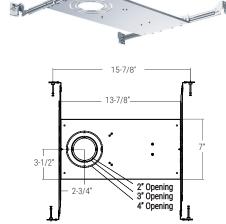


OPTION & ACCESSORIES

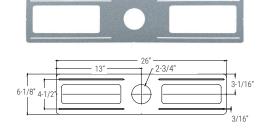


RL-ACC-SLIM-1-10F 10-ft long extension RL-ACC-SLIM-1-20F 20-ft long extension

RL-UNV-2/3/4 For use with 2", 3", and 4" downlights



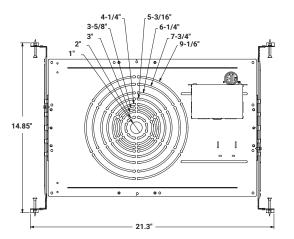
RL-ACC-SLIM-2-ROUGHPLATE For use with 2" downlightss



RL-UNV-1/2/3/4/5/6/8/10

For use with 1", 2", 3", 4", 5", 6", 8", and 10" downlights





Example: RL271-TL-1000L-DIMTR-120-27K/30K/35K/40K/50K-90-W-WH

RL271-TL SERIES	LUMENS	DIMMING	ССТ	CRI	FINISH	TIR OPTICS	OPTION
RL271-TL	600L 1000L	DIMTR/120 - Triac	27K/30K/35K/40K/50K	90	W-WH - White	ND (24°) MD (38°) - Included Standard WD (60°)	RL-ACC-SLIM-1-10F - 10-ft long extension RL-ACC-SLIM-1-20F - 20-ft long extension RL-ACC-SLIM-2-ROUGHPLATE - 2" Mounting Plate RL-UNV-2/3/4 - Universal Mounting Plate for 2", 3" and 4" RL-UNV-1/2/3/4/5/6/8/10 - Universal Mounting Plate for 1", 2", 3", 4", 5", 6", 6", 8" and 10" O-EMG-LED-16W-FLEX - 16W Emergency Back up (Pemote)





TEST NO.: **EL11192536**

RL271-TL-600L-DIMTR-120-27K-30K-35K-40K-50K-90-W-WH

INPUT WATTS: 7.5	LUMENS: 711		EFF	ICACY: 95		BEAN	/I ANGLE: 36	;		SPA	CING CF	RITERIA: 0.57	
CANDELA DISTRIBUTION		CAN	IDELA .	TABLE	LUMINANCE (cd/sq.m)			LUMENS	PER ZONE	ZONAL LUMEN SUMMARY			
100	90°		0°	90°		0.00°	90.00°	ZONE	LUMENS	ZONE	LUMENS	% LUMINAIRE	
200 300 400 500 600 700	80°	0°	1487	1487	0.00°	649370	649370	0° - 10°	128	0° - 20°	379	53%	
40C 50C		10°	1195	1163	45.00°	20414	21942	10° - 20°	251	0° - 30°	564	79%	
600	//70°	20°	615	592	55.00°	12973	13398	20° - 30°	185	0° - 40°	644	91%	
80C 90C	60°	30°	226	220	65.00°	8979	9770	30° - 40°	80	0° - 60°	691	97%	
1000	50°	40°	59	57	75.00°	6399	6858	40° - 50°	30	0° - 80°	705	99%	
1100		50°	24	25	85.00°	2825	390	50° - 60°	17	0° - 90°	706	99%	
1300 1400 30°	,	60°	12	13				60° - 70°	9				
15 0 10° 20°		70°	6	7				70° - 80°	5				
00 10		80°	2	2				80° - 90°	1				
		90°	0	0									
CONE OF LI	GHT	INDOOR COEFFICIENTS OF UTILIZATION											
		of					9	20%				0%	

CONE OF LIGHT								INDOOR COEFFICIENTS OF UTILIZATION														
			ρf									20%									0%	
FC AT	BEAM	BEAM	ρc		80)%			70	1%			50%			30%			10%		0%	
BEAM	DIA. 0°	DIA. 90°	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
CENTER	-180°	-270°	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	
41.3 lx	3.9 m	3.9 m	1	114	111	108	106	111	109	106	105	104	103	101	101	99	98	97	96	95	93	
23.2 lx	5.2 m	5.2 m	2	108	104	100	97	106	102	98	95	99	96	93	95	93	91	93	91	89	88	
14.9 lx	6.4 m	6.5 m	3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	88	86	84	82	
10.3 lx	7.7 m	7.8 m	4	99	92	87	83	97	91	86	82	88	84	81	86	83	80	84	81	79	78	
7.6 lx	9.0 m	9.1 m	5	94	87	81	77	93	86	81	77	84	80	76	82	78	75	81	77	75	73	
5.8 lx	10.3 m	10.4 m	6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70	
4.6 lx	11.6 m	11.7 m	7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66	
3.7 lx	12.9 m	13.0 m	8	83	74	69	65	82	74	69	65	73	68	65	72	68	64	71	67	64	63	
			9	80	71	66	62	79	71	65	62	70	65	62	69	65	62	68	64	61	60	
			10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	59	57	
	FC AT BEAM CENTER 41.3 Ix 23.2 Ix 14.9 Ix 10.3 Ix 7.6 Ix 5.8 Ix 4.6 Ix	FC AT BEAM DIA. 0° CENTER -180° 41.3 lx 3.9 m 23.2 lx 5.2 m 14.9 lx 6.4 m 10.3 lx 7.7 m 7.6 lx 9.0 m 5.8 lx 10.3 m 4.6 lx 11.6 m	FC AT BEAM DIA. 0° DIA. 90° CENTER -180° -270° -	FC AT BEAM DIA. 90° CENTER -180° -270° 0 41.3 lx 3.9 m 3.9 m 23.2 lx 5.2 m 5.2 m 2 14.9 lx 6.4 m 6.5 m 3 10.3 lx 7.7 m 7.8 m 4 7.6 lx 9.0 m 9.1 m 5 5.8 lx 10.3 m 10.4 m 6 4.6 lx 11.6 m 11.7 m 7 3.7 lx 12.9 m 13.0 m 8	FC AT BEAM BEAM DB. 90° pw 70% CENTER -180° -270° 0 119 41.3 lx 3.9 m 3.9 m 1 1114 23.2 lx 5.2 m 5.2 m 2 108 14.9 lx 6.4 m 6.5 m 3 103 10.3 lx 7.7 m 7.8 m 4 99 7.6 lx 9.0 m 9.1 m 5 94 5.8 lx 10.3 m 10.4 m 6 90 4.6 lx 11.6 m 11.7 m 7 87 3.7 lx 12.9 m 13.0 m 8 83 9 80	FC AT BEAM BEAM PROPERTY FOR A STATE OF A ST	FC AT BEAM DIA. 90° CENTER -180° -270° 0 119 119 119 119 119 123.2 1 5.2 m 5.5 m 7.7 m 7.8 m 4 99 92 87 7.6 ix 9.0 m 9.1 m 5.8 ix 10.3 m 10.4 m 6.5 m 13.7 ix 12.9 m 13.0 m 8 83 74 69 9 80 71 66	FC AT BEAM DIA. 90° CENTER -180° -270° 0 119 119 119 119 119 119 119 119 119 1	FC AT BEAM CENTER BEAM DIA. 0° DIA. 90° DIA.	FC AT BEAM DIA. 0° DIA. 90° CENTER -180° -270° 0 119 119 119 110 116 116 116 114 111 110 119 119 119 119 110 110 110 110	FC AT BEAM CENTRE BEAM DIA. 0° DIA. 9° CENTER -180° -270° pw 70% 50% 30% 10% 70% 50% 50% 30% 10% 70% 50% 30% 10% 70% 50% 50% 30% 106 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 116 <td>FC AT BEAM CENTER BEAM DIA. 0° DIA. 9° CENTER PROPERIOR OF CENTER No. 110 OF CENT</td> <td> FC AT BEAM BEAM DIA. 90" CENTER -180" -270" 0 119 119 119 119 116 116 116 116 111 114 113 13 13 13 13 </td> <td>FC AT BEAM CENTROL BEAM DIA. 0° DIA. 9° CENTER -180° -270° pw 70% 50% 30% 10% 70% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 50% 50% 30% 10% 10% 10% 10% 10% 11% 11% 11% 11% 11% 11% 11% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10%</td> <td>FC AT BEAM CENTROL BEAM ODLA. 0° DIA. 90° CENTER -1-180° -2-70° pm 70% 50% 30% 10% 70% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10%</td> <td> FC AT BEAM DIA. 0° DIA. 90° DIA. 90° PW 70% 50% 30% 10% 50% 50% 30% 10% 50% 30% 50% 30% 50% 30% 50% 30% 50% 30% 30% 50% 3</td> <td>FC AT BEAM DIA. 0° DIA. 9° CENTER -180° S.0° DIA. 9° CENTER 1.0° DIA. 9° D</td> <td>FC AT BEAM DIA. 0° DIA. 90° CENTER -180° -270° 0 119 119 119 119 110 116 116 116 116 111 111 111 106 106</td> <td>FC AT BEAM DIA. 0° DIA. 90° CENTER -180° -270° 0 119 119 119 119 110 116 116 116 116 111 111 111 106 106</td> <td>FC AT BEAM DIA. 0° DIA. 90° CENTER -180° -270° 0 119 119 119 119 110 116 116 116 111 111 111 106 106 106</td> <td>FC AT BEAM DIA. 0° CENTER -180° -270° 0 119 119 119 119 116 116 116 116 116 111 111 101 </td>	FC AT BEAM CENTER BEAM DIA. 0° DIA. 9° CENTER PROPERIOR OF CENTER No. 110 OF CENT	FC AT BEAM BEAM DIA. 90" CENTER -180" -270" 0 119 119 119 119 116 116 116 116 111 114 113 13 13 13 13	FC AT BEAM CENTROL BEAM DIA. 0° DIA. 9° CENTER -180° -270° pw 70% 50% 30% 10% 70% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 50% 50% 30% 10% 10% 10% 10% 10% 11% 11% 11% 11% 11% 11% 11% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10%	FC AT BEAM CENTROL BEAM ODLA. 0° DIA. 90° CENTER -1-180° -2-70° pm 70% 50% 30% 10% 70% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10%	FC AT BEAM DIA. 0° DIA. 90° DIA. 90° PW 70% 50% 30% 10% 50% 50% 30% 10% 50% 30% 50% 30% 50% 30% 50% 30% 50% 30% 30% 50% 3	FC AT BEAM DIA. 0° DIA. 9° CENTER -180° S.0° DIA. 9° CENTER 1.0° DIA. 9° D	FC AT BEAM DIA. 0° DIA. 90° CENTER -180° -270° 0 119 119 119 119 110 116 116 116 116 111 111 111 106 106	FC AT BEAM DIA. 0° DIA. 90° CENTER -180° -270° 0 119 119 119 119 110 116 116 116 116 111 111 111 106 106	FC AT BEAM DIA. 0° DIA. 90° CENTER -180° -270° 0 119 119 119 119 110 116 116 116 111 111 111 106 106 106	FC AT BEAM DIA. 0° CENTER -180° -270° 0 119 119 119 119 116 116 116 116 116 111 111 101	

RL271-TL-1000L-DIMTF	R-120-27K-30K-35K	-40K-	50K-90	-W-WH					TES	T NO.: E	L11192536		
INPUT WATTS: 11.4	LUMENS: 1241	E	FFICAC	Y: 109	В	EAM ANGI	LE: 26		SPAC	ING CF	RITERIA: 0.40		
CANDELA DISTRIBU	ITION C	ANDELA	TABLE	LUMI	NANCE (d	:d/sq.m)	LUMENS	PER ZONE	ZONAL LUMEN SUMMARY				
40	90°	0°	90°		0.00°	90.00°	ZONE	LUMENS	ZONE	LUMENS	% LUMINAIRE		
800	80°	3499	3499	0.00°	2784654	2784654	0° - 10°	267	0° - 20°	709	57%		
1200	∠/ 10	° 2048	2609	45.00°	70579	86630	10° - 20°	441	0° - 30°	1004	81%		
1604	^{70°} 20	° 941	1314	55.00°	44377	58535	20° - 30°	295	0° - 40°	1117	90%		
	60° 30	° 264	468	65.00°	30704	40808	30° - 40°	113	0° - 60°	1203	97%		
2400	40	° 85	117	75.00°	21854	30915	40° - 50°	54	0° - 80°	1230	99%		
3200 40°	50	° 43	58	85.00°	8036	7848	50° - 60°	33	0° - 90°	1232	99%		
36.00 30°	60	° 22	31				60° - 70°	18					
4000 20°	70	• 11	16				70° - 80°	9					
0° 10°	80	۰ 4	5				80° - 90°	1					
	90	۰ 0	0										

			80°	4	5	5						80°	- 90°	1							
			90°	0	C)															
CONE OF LIGHT						INDOOR COEFFICIENTS OF UTILIZATION															
			ρf					20%													
FC AT	BEAM	BEAM	ρc		80)%			70)%			50%			30%			10%		0%
BEAM	DIA. 0°	DIA. 90°	ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	-180°		0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
97.2 lx	2.8 m	2.8 m	1	114	111	109	106	111	109	107	105	105	103	101	101	99	98	97	96	95	93
54.7 lx	3.7 m	3.7 m	2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
35. <mark>0 lx</mark>	4.6 m	4.7 m	3	104	98	93	90	102	96	92	89	94	90	87	91	88	86	89	87	84	83
24.3 lx	5.5 m	5.6 m	4	99	92	87	83	97	91	87	83	89	85	82	87	84	81	85	82	80	78
17.9 lx	6.4 m	6.5 m	5	95	88	82	78	93	87	82	78	85	81	77	83	79	77	82	78	76	74
13.7 lx	7.4 m	7.5 m	6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71
10.8 lx	8.3 m	8.4 m	7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8.7 lx	9.2 m	9.4 m	8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
			9	81	73	68	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62
			10	78	70	65	61	77	69	65	61	69	64	61	68	64	61	67	63	61	60
	FC AT BEAM CENTER 97.2 lx 54.7 lx 35.0 lx 24.3 lx 17.9 lx 13.7 lx 10.8 lx	FC AT BEAM DIA. 0° CENTER -180° 97.2 lx 2.8 m 54.7 lx 3.7 m 35.0 lx 4.6 m 24.3 lx 5.5 m 17.9 lx 6.4 m 13.7 lx 7.4 m 10.8 lx 8.3 m	FC AT BEAM DIA, 0° DIA, 90° CENTER 1-180° -270° 97.2 lx 2.8 m 2.8 m 3.7 m 35.0 lx 4.6 m 4.7 m 24.3 lx 5.5 m 5.6 m 13.7 lx 7.4 m 7.5 m 10.8 lx 8.3 m 8.4 m	FC AT BEAM BEAM pc pc pc pc pc pc pc p	FC AT BEAM DIA. 0° DIA. 90° CNW 70% CENTER -180° -270° 0 119 97.2 Ix 3.7 m 3.7 m 2 108 35.0 Ix 4.6 m 4.7 m 3 104 24.3 Ix 5.5 m 5.6 m 4 99 17.9 Ix 6.4 m 6.5 m 5 95 13.7 lx 7.4 m 7.5 m 6 91 10.8 lx 8.3 m 8.4 m 7 88 8.7 lx 9.2 m 9.4 m 8 84 9 81	FC AT BEAM DIA. 0° DIA. 90° DW 70% 50% CENTER -180° -270° 0 119 119 97.2 IX 2.8 m 2.8 m 1 114 111 54.7 IX 3.7 m 3.7 m 2 108 104 98 24.3 IX 5.5 m 5.6 m 4 99 92 17.9 IX 6.4 m 6.5 m 5 95 88 10.8 iX 6.5 m 5.6 m 4 99 92 17.9 IX 6.4 m 7.5 m 6 91 83 10.8 iX 8.3 m 8.4 m 7 88 79 8.7 IX 9.2 m 9.4 m 8 84 76 9 81 73	FC AT BEAM BEAM pc mw 70% 50% 30%	FC AT BEAM BEAM DIA. 0° DIA. 90° DIA. 90°	FC AT BEAM DIA. 0° DIA. 90° PW 70% 50% 30% 10% 70%	FC AT BEAM BEAM DIA. 0° DIA. 90° PW 70% 50% 30% 10% 70% 50%	FC AT BEAM BEAM DIA. 0° DIA. 90° PW 70% 50% 30% 10% 70% 50% 30% FC AT BEAM DIA. 0° DIA. 90° PW 70% 50% 30% 10% 70% 50% 30% FC AT PA PA PA PA PA PA PA	FC AT BEAM BEAM DIA, 0° DIA, 90° PW 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70% 50% 30% 10% 70%	FC AT BEAM BEAM DIA. 90° PW 70% 50% 30% 10% 70% 50% 30% 10% 50% 50% 30% 10% 50% 50% 30% 10% 50% 50% 30% 10% 50% 50% 30% 10% 50% 50% 30% 10% 50% 50% 30% 10% 50% 50% 30% 10% 50%	FC AT BEAM BEAM DIA. 0° DIA. 90° CENTER -180° -270° DIA. 90° DIA. 90	FC AT BEAM BEAM DIA. 0° DIA. 90° CENTER -180° -270° DIA. 90° DIA. 90	FC AT BEAM DIA. 0° DIA. 90° ρM 70% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 50% 50% 50% 50% 50% 50% 50% 50% 5	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	FC AT BEAM DIA. 0° DIA. 90° DI	FC AT BEAM DIA. 0° DIA. 90° DI	FC AT BEAM DIA. 0° DIA. 90° CENTER 1-180° -270° 0 119 119 119 119 116 116 116 116 111 111