

PROJECT

DATE

COMMENTS



IN STOCK



ENERGY CHART

OUTPUT	WATTAGE	DELIVERED LUMENS	EFFICACY lm/w
FS1	10	800	80
	15	1170	78
	20	1500	75
FS2	27	2430	90
	34	2890	85
	40	3200	80
FS3	40	4360	109
	50	5300	106
	60	6180	103

ORDERING LOGIC

FAMILY	SIZE	TRIM	OUTPUT	ORDERING NOTES
CDL				1 6/8/10" Size Only, Dim to 1%
	4 4"	ROW Round Open – White Finish 4" / 6" / 8" / 10"	FS1 10W/15W/20W CCT: 3000K / 3500K / 4000K	
	6 6"	RWW Round Wall Wash – White Finish 4" / 6" ONLY	FS2 27W/34W/40W CCT: 3000K / 3500K / 4000K	
	8 8"	ROH Round Open – Haze Finish 4" / 6" / 8"	FS3' 40W/50W/60W CCT: 3000K / 3500K / 4000K	
	10 10"	ROR Round Open – Rosé Finish 4" / 6"	FSIC 10W/15W/20W CCT: 3000K / 4000K / 5000K	
		ROB Round Open – Black Finish 4" / 6" / 8"		

CDL COMMERCIAL DOWNLIGHT ROUND LED

CDL is a cost effective commercial grade round downlight with integral junction box, available in 4", 6", 8" or 10" trims with general open or wall wash distribution. For new construction, a frame kit is available. For remodel applications, CDL can be installed from below the ceiling without a new construction frame kit.

- Residential
- Commercial
- Hospitality

PHYSICAL

Housing Material	Aluminum
Reflector	Spun Aluminum Haze Finish
Mounting	Recessed: Spring Clips or New Construction Frame Kit
Trim Finish	Black, White, Haze, Rosé
Trim Shapes	Round Trim, Round Wall Wash Trim

PERFORMANCE

Warranty	5 years
Certifications	Damp Location, UL, Energy Star* (FS1/FSIC with 4", 6", 8" trims and FS2 with 4", 6", 8", 10" trims are listed on Energy Star)
Rated Life	>50,000 hours
CCT	Field Selectable 3CCT: FS1/FS2/FS3: 3000K/3500K/4000K & FS1C: 3000K/4000K/5000K
CRI	80+

ELECTRICAL

Wattage	Field Selectable: 10/15/20W, 27/34/40W, 40W/50W/60W
Voltage	FS1/FSIC/FS2: 120-347V & FS3: 120-277V
Power Factor	>0.9
Dimmable	0-10V FS1/FSIC/FS2: Dim to 10% & FS3: Dim to 1%

EX: CDL-4-ROW-FS1

SEE NEXT PAGE FOR ACCESSORIES



ACCESSORIES ORDERING LOGIC (ORDER SEPARATELY)

EX: CDL-FKR

FAMILY	ACCESSORIES
CDL	
	FKR New Construction Round Frame Kit for 3" to 8" Downlights FKRJ New Construction Round Frame Kit for 3" to 8" Downlights with J-Box and 2' MC Cable Included EM16 16W External 120-277V Emergency LED Driver: 120-Minutes EM25 25W External 120-277V Emergency LED Driver: 120-Minutes

SPECIFICATIONS

STRUCTURE

Spun aluminum shadow-free reflector integrated with haze finish and black, white, haze, or rosé trim ring.

TRIM OPTIONS

- Round Trim: 4", 6", 8", 10"
- Round Wall Wash Trim: 4", 6"

ELECTRICAL

Class 2, high efficiency, 0-10V driver with continuous dimming down to 10% for FS1/FS1C/FS2 output options or down to 1% for FS3 output option.

Confirmed compatibility with (but not limited to) the following dimmers:

1. Leviton IP710-DL
2. Leviton IP710-LF
3. Lutron PowPak 0-10V Dimming Module
4. Lutron Diva-Dvtv
5. Hubbell NX Distributed Room Controller
6. Cooper Greengate Room Controller
7. nLight nPPI6D
8. WattStopper DLM

LED SYSTEM

CRI: Minimum 80 color rendering index

CCT: 3CCT Field Selectable

- **FS1/FS2/FS3:** 3000K/3500K/4000K
- **FS1C:** 3000K/4000K/5000K

Thermal Management: Aluminum housing acts as a the heat sink to maximize life.

MOUNTING

Durable spring clips allow for fast and easy flush installation. New construction frame kit can be ordered separately.

APPROVALS

- cULus listed for damp locations
- Energy Star Listed
- Tested to IESNA LM-79 and LM-80

WARRANTY

5-year limited warranty on LED and driver.

ADDITIONAL OPTIONS

Emergency Option: Optional high power 120-277V emergency LED driver for lighting up to 120 minutes in event of power failure.

ADDITIONAL IMAGERY

ENGINES

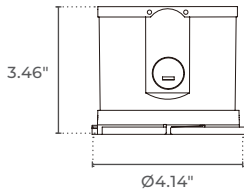
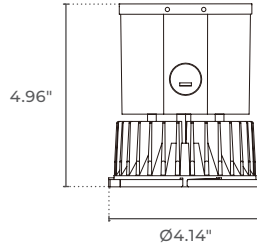
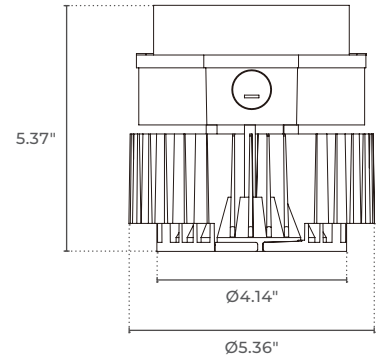


TRIMS



HOUSING

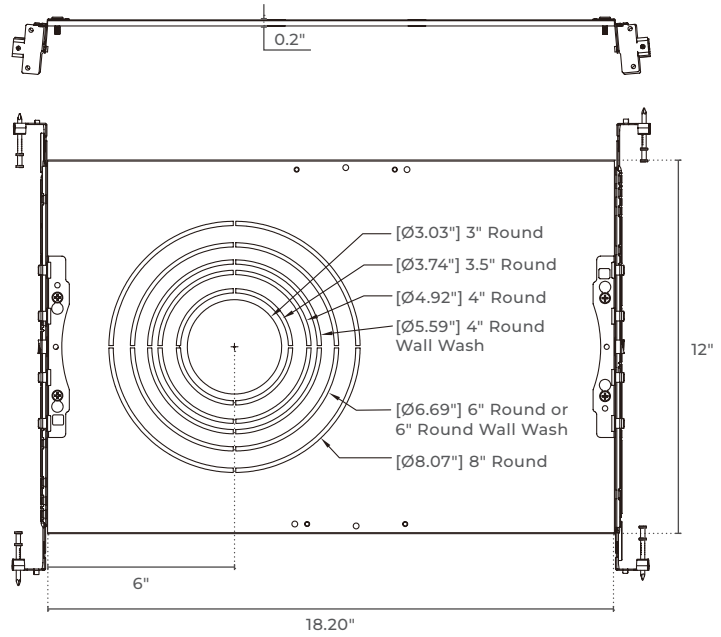


ENGINE DIMENSIONS
FS1 10W/15W/20W

FS2 27W/34W/40W

FS3 40W/50W/60W

OPTIONAL NEW CONSTRUCTION FRAME KIT

CDL-FKR New Construction Round Frame Kit for 3" to 8" Downlights



CDL-FKRJ New Construction Round Frame Kit for 3" to 8" Downlights with J-Box and 3' MC Cable Included

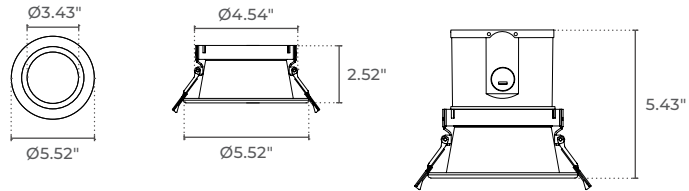


TRIM DIMENSIONS

Trim Options For FS1 & FS1C Modules

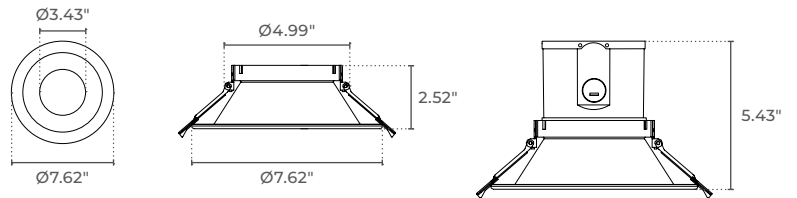
4" ROUND TRIMS

Mounting Diameters: 4.7" – 5.2"



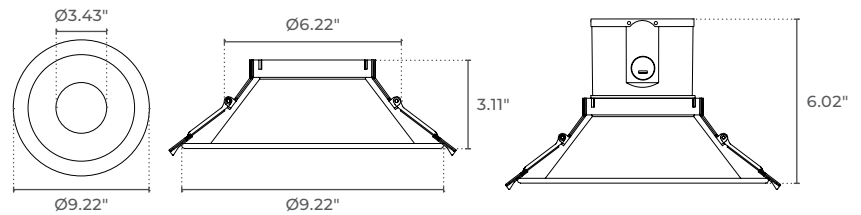
6" ROUND TRIMS

Mounting Diameters: 6" – 7.3"



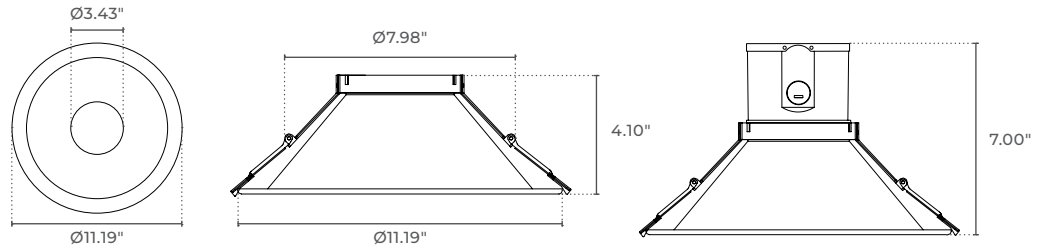
8" ROUND TRIMS

Mounting Diameters: 7.4" – 8.9"



10" ROUND TRIMS

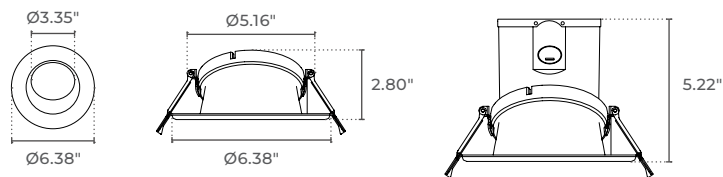
Mounting Diameters: 9.5" – 10.8"



4" ROUND WALL WASH TRIMS

Tilt: 15°

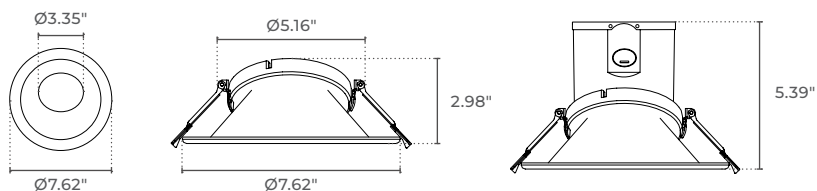
Mounting Diameters: 5.3" – 6"



6" ROUND WALL WASH TRIMS

Tilt: 15°

Mounting Diameters: 6" – 7.3"

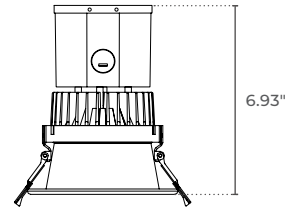
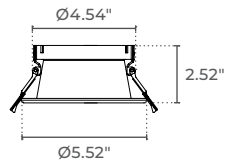
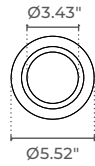


TRIM DIMENSIONS

Trim Options For FS2 Module

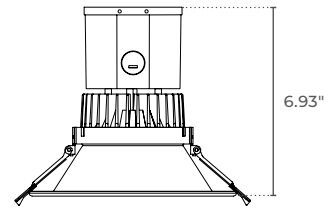
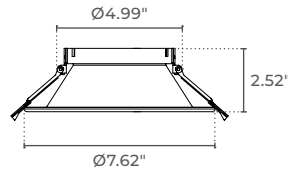
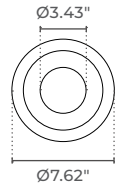
4" ROUND TRIMS

Mounting Diameters: 4.7" – 5.2"



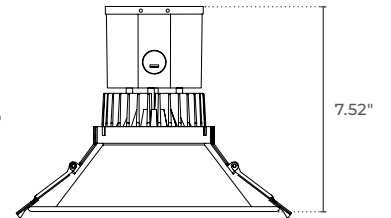
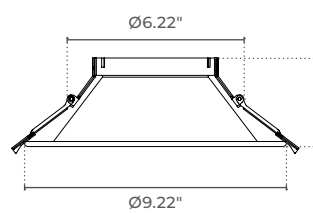
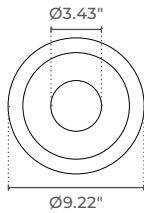
6" ROUND TRIMS

Mounting Diameters: 6" – 7.3"



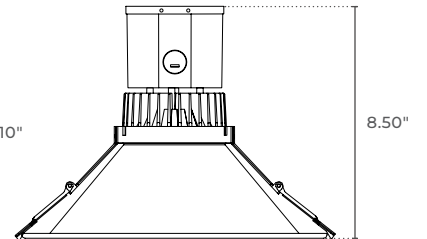
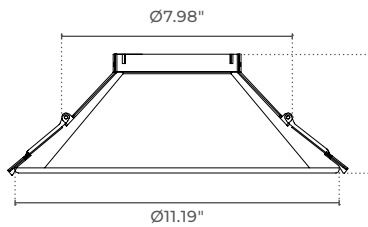
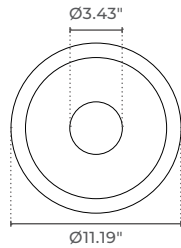
8" ROUND TRIMS

Mounting Diameters: 7.4" – 8.9"



10" ROUND TRIMS

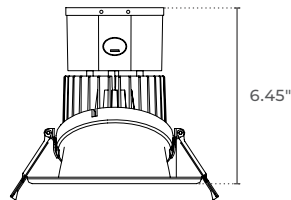
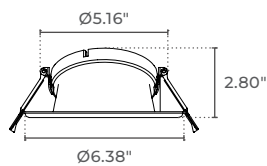
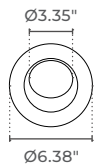
Mounting Diameters: 9.5" – 10.8"



4" ROUND WALL WASH TRIMS

Tilt: 15°

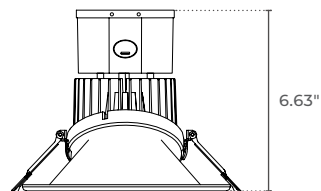
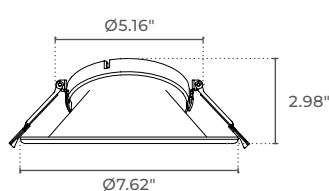
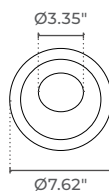
Mounting Diameters: 5.3" – 6"



6" ROUND WALL WASH TRIMS

Tilt: 15°

Mounting Diameters: 6" – 7.3"

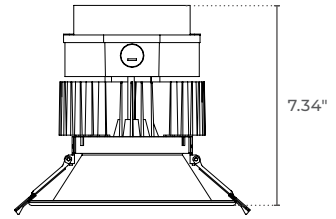
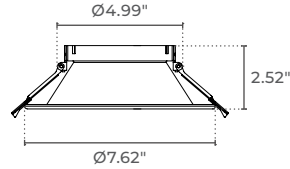
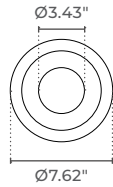


TRIM DIMENSIONS

Trim Options For FS3 Module

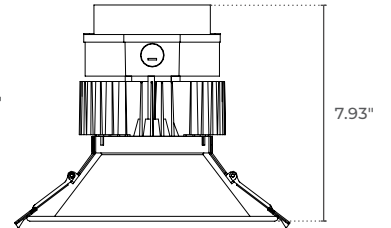
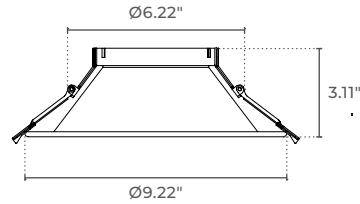
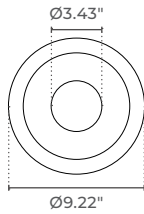
6" ROUND TRIMS

Mounting Diameters: 6" – 7.3"



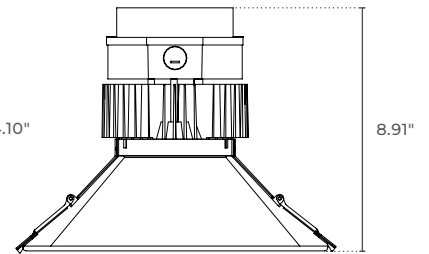
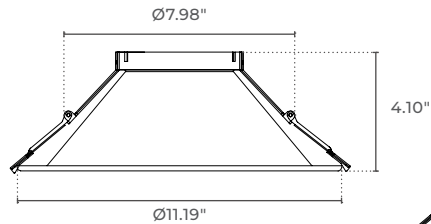
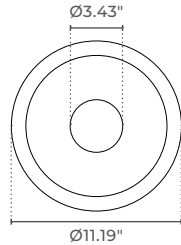
8" ROUND TRIMS

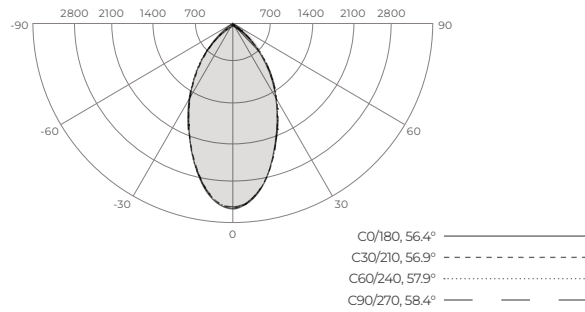
Mounting Diameters: 7.4" – 8.9"



10" ROUND TRIMS

Mounting Diameters: 9.5" – 10.8"



PHOTOMETRICS - 6" ROUND TRIM - 40W - 4000K
AVERAGE BEAM ANGLE (50%): 57.4°

Luminance cd/(m2)

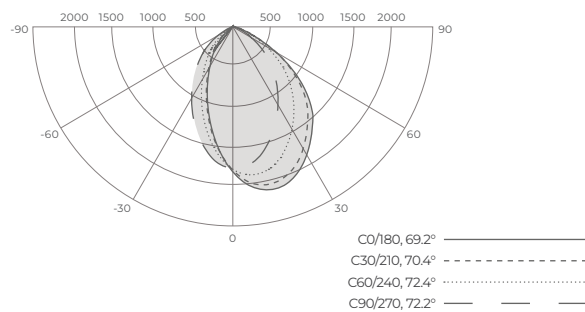
G(DEG)	C0/180	C90/270
85	742	162
80	524	163
75	497	189
70	544	249
65	1661	3557
60	6661	11045
55	15820	22953
50	29545	38863
45	47042	55891

ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	2916	2896	2871	2857	2912
20	2201	2209	2188	2161	2186
30	1521	1544	1542	1506	1498
40	891.0	956.2	972.7	929.2	869.3
50	335.4	424.5	441.2	395.6	321.0
60	58.83	91.82	97.54	78.63	54.01
70	3.285	2.050	1.504	1.915	3.235
80	1.606	0.8562	0.5011	0.8066	1.591
90	0.1094	0.0676	0.0949	0.0811	0.0721
100	0.0902	0.0812	0.0857	0.0992	0.0993
110	0.1532	0.2302	0.2280	0.2212	0.1986
120	0.5046	0.6317	0.6711	0.6273	0.5778
130	1.262	1.372	1.496	1.403	1.359
140	2.366	2.405	2.542	2.450	2.455
150	3.683	3.717	3.809	3.735	3.735
160	5.157	5.110	5.117	5.088	5.184
170	6.245	6.183	6.145	6.160	6.273
180	6.732	6.710	6.593	6.620	6.755
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

T	Φ TOTAL
0-10	289.3
10-20	997.9
20-30	1840
30-40	2601
40-50	3101
50-60	3290
60-70	3317
70-80	3318
80-90	3319
90-100	3319
100-110	3319
110-120	3320
120-130	3320
130-140	3322
140-150	3324
150-160	3326
160-170	3327
170-180	3328
UNIT: lm	

PHOTOMETRICS - 6" ROUND WALL WASH TRIM - 40W - 3000K
AVERAGE BEAM ANGLE (50%): 71.0°

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	182	531
80	1526	514
75	14095	3272
70	28056	9893
65	45639	18782
60	67192	28730
55	86754	38552
50	101454	47569
45	111057	55165

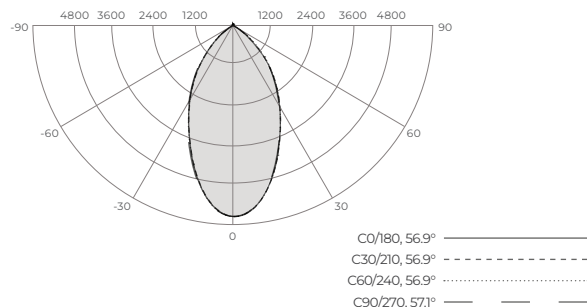
ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	2085	1962	1700	1461	1397
20	2080	1892	1449	1069	944.4
30	1866	1658	1132	716.4	584.0
40	1572	1343	828.3	446.7	318.6
50	1152	1001	540.1	222.7	107.6
60	593.4	562.8	253.7	36.59	12.99
70	169.5	186.5	59.76	4.875	5.799
80	4.680	16.81	1.576	1.973	2.586
90	0.0996	0.0631	0.0831	0.1709	0.1311
100	0.0811	0.0677	0.1123	0.2708	0.3476
110	0.0812	0.1309	0.3018	0.6949	0.9297
120	0.2162	0.3294	0.7163	1.394	1.832
130	0.4958	0.6814	1.271	2.125	2.851
140	0.9914	1.173	1.857	2.832	3.771
150	1.650	1.822	2.520	3.504	4.325
160	2.502	2.603	3.201	3.991	4.613
170	3.422	3.432	3.765	4.225	4.744
180	4.216	4.104	4.000	4.054	4.230
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

T	Φ TOTAL
0-10	166.4
10-20	610.3
20-30	1207
30-40	1830
40-50	2383
50-60	2750
60-70	2907
70-80	2940
80-90	2941
90-100	2941
100-110	2942
110-120	2942
120-130	2943
130-140	2945
140-150	2946
150-160	2948
160-170	2949
170-180	2949
UNIT: lm	



PHOTOMETRICS - 6" ROUND TRIM - 60W - 4000K
AVERAGE BEAM ANGLE (50%): 56.9°

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	503	597
80	343	381
75	383	379
70	487	461
65	3558	5987
60	15005	21281
55	36550	45136
50	67697	74783
45	101909	104814

ZONAL FLUX DIAGRAM

T	C0	C45	C90	C135	C180
10	5234	5256	5211	5157	5112
20	4001	4030	3965	3873	3798
30	2811	2846	2776	2693	2616
40	1791	1860	1784	1668	1555
50	764.7	867.3	846.4	732.7	625.5
60	131.8	177.2	187.4	148.0	114.0
70	2.926	2.726	2.774	2.690	2.956
80	1.046	0.9556	1.165	1.244	1.296
90	0.9362	0.9751	1.060	1.237	0.5501
100	2.605	2.577	2.790	3.024	1.718
110	5.634	5.497	5.834	6.187	4.246
120	10.14	9.931	10.37	10.83	8.178
130	15.96	15.64	16.15	16.63	13.30
140	22.23	21.84	22.31	22.73	19.11
150	27.81	27.32	27.71	27.98	24.72
160	32.27	31.80	32.01	32.24	29.85
170	35.31	35.05	35.00	35.13	33.99
180	36.50	36.61	36.18	36.24	36.48
DEG	LUMINOUS INTENSITY: cd				

ZONAL LUMEN SUMMARY

T	Φ TOTAL
0-10	521.5
10-20	1795
20-30	3302
30-40	4671
40-50	5594
50-60	5952
60-70	6001
70-80	6003
80-90	6004
90-100	6005
100-110	6009
110-120	6016
120-130	6027
130-140	6040
140-150	6055
150-160	6068
160-170	6077
170-180	6080
UNIT: lm	

