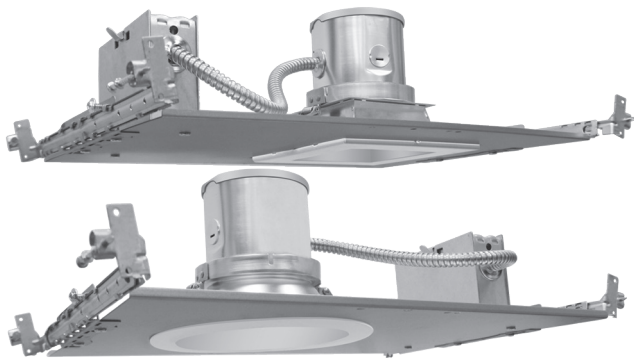


PacLights

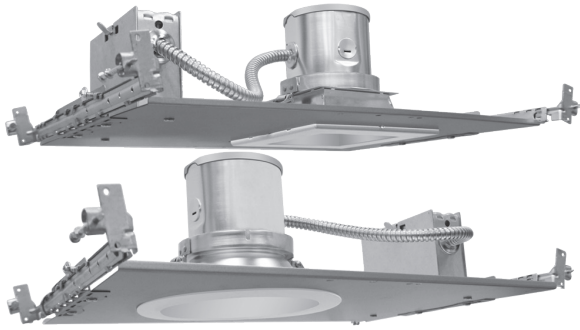
Commercial Lighting



The
FDLSTM
Series

Recessed Downlighting System





Recessed Downlighting System



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



KEY FEATURES

- Multiple Reflector and Trim options
- Built-in Junction Box
- Color & Power Selectable on all models
- Direct mount with Clips, or optional New Construction Plate
- Emergency Battery Backup options

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

UL 1598 Suitable for damp locations
 Type IC: FDLS-20/15/10 models
 Type Non-IC: FDLS-40/34/27 and FDLS-60/45 models

IESNA LM79 & LM-80 Testing

Paclights LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

LED CHARACTERISTICS

LEDS

Long-life, high-ecacy, surface-mount LEDs

Correlated Color Temperature

3000K, 3500K and 4000K selectable with a dip switch

Lifespan

60,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Color Rendering Index

>82

Color Uniformity

PacLights' range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

OTHER

5-Year Limited Warranty**

The PacLights 5-year, limited warranty covers light output, driver performance and paint finish.

**PacLights's warranty is subject to all terms and conditions found at paclights.com/warranty

CONSTRUCTION

Ambient Temperature

Suitable for up to 50° C (122° F) ambient temperature

Cold Weather Starting

The minimum starting temperature is -4 F°/-20° C

Housing

Durable cold rolled steel housing provides strength and uniformity. Aluminum heatsink. Reflector and trim is pre-painted to enhanced smooth finish.

Mounting Methods

- Direct mount with tension clips on the reflector and trim piece (standard)
- New construction plate (optional)

Green Technology

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Diffuser & Reflector

PMMA frosted diffuser, spun aluminum reflector

ELECTRICAL

Drivers

Input Voltage: 120-277V, 50-60 Hz
 Power Factor : > 0.95, THD< 20%. 0-10V continuous dimming, can be dim to off

Built-in Junction Box

Each light engine includes a built-in junction box, eliminating the need for traditional housing and making it an ideal solution for hardwired lighting in both new construction and remodel projects. FDLS-20/15/10 and FDLS-40/34/27 has three (3) 1/2" KO, FDLS-60/45 has four (4) 1/2" KO for conduit connections.

Wattage / Input Voltage/ Input Current

Wattage/power selectable with a dip switch

Models	MAX Watt.	Watt. Selectable Levels	120v	208v	240v	277v
FDLS-20/15/10	20w	20w-15w-10w	0.19A	0.11A	0.09A	0.08A
FDLS-40/34/27	40w	40w-34w-27w	0.37A	0.21A	0.19A	0.16A
FDLS-60/45	60w	60w-45w	0.56A	0.32A	0.28A	0.24A

ORDERING INFORMATION

FDLS™

FAMILY	LIGHT ENGINE	CCT	TRIM	EMERGENCY BACKUP	MOUNTS
FDLS	—	—	—	—	—

Create an ordering number by populating it with the CODE(s) listed in the tables below, following the format shown above.

- EXAMPLE: FDLS - 40/34/27 - 8CT - 6TRWH
- EXAMPLE: FDLS - 60 - 3000 - 8TRHA - EM1000
- EXAMPLE: FDLS - 20/15/10 - 4000 - 4TRRG - PJ

The PART#, if shown in the tables below, can be ordered separately from the FDLS.

LIGHT ENGINE

* Must select one. See page 4.

PART# FDLS-20/15/10		PART# FDLS-40/34/27		PART# FDLS-60/45	
CODE	WATTAGE	CODE	WATTAGE	CODE	WATTAGE
10	10w	27	27w	45	45w
15	15w	34	34w	60	60w
20	20w	40	40w	60/45	60/45w
20/15/10	20/15/10w Selectable	40/34/27	40/34/27w Selectable		Selectable







CCT

* Must select one

CODE	CRI	CCT
8CT	> 82	3000K/3500K/4000K Selectable
3000		3000K
3500		3500K
4000		4000K

TRIM

* Must select one. See page 5 - 9.

CODE	PART#	SIZE	LIGHT ENGINE COMPATIBILITY	SHAPE	REFLECTOR	RING	TYPE	INSTALL
4TRWH	AC-DLS-4TRWH	4"	All Except: FDLS-60/45	Round	Haze	White		FIELD
6TRWH	AC-DLS-6TRWH	6"	All Light Engines					
8TRWH	AC-DLS-8TRWH	8"	All Light Engines					
10TRWH	AC-DLS-10TRWH	10"	All Light Engines					
4TRHA	AC-DLS-4TRHA	4"	All Except: FDLS-60/45	Round	Haze	Haze		
6TRHA	AC-DLS-6TRHA	6"	All Light Engines					
8TRHA	AC-DLS-8TRHA	8"	All Light Engines					
4TRRG	AC-DLS-4TRRG	4"	All Except: FDLS-60/45	Round	Rosé	Rosé		
6TRRG	AC-DLS-6TRRG	6"	All Light Engines					
4TRWW	AC-DLS-4TRWW	4"	All Except: FDLS-60/45	Round Wall Wash	Haze	White		
6TRWW	AC-DLS-6TRWW	6"	All Except: FDLS-60/45					
4TQWH	AC-DLS-4TQWH	4"	All Except: FDLS-60/45	Square	Haze	White		
6TQWH	AC-DLS-6TQWH	6"	All Light Engines					
4TQWW	AC-DLS-4TQWW	4"	All Except: FDLS-60/45	Square Wall Wash	Haze	White		
6TQWW	AC-DLS-6TQWW	6"	All Except: FDLS-60/45					

EMERGENCY BATTERY BACKUP

* Leave blank, or select one

CODE	PART#	WATT	EMERGENCY LUMEN	INSTALL
EM1000	EMH-8	8w	1,000 Lumen	FIELD
EM1900	EMH-15	15w	1,900 Lumen	
EM2500	EMH-20	20w	2,500 Lumen	
EM3200	EMH-25	25w	3,200 Lumen	

CA CEC TITLE 20 MODEL# BLD-HMXXD-YYY EMERGENCY RUNTIME >90 mins
The emergency lumen output is limited by the lumen capacity of the light engine.

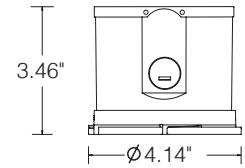
MOUNTS

* Leave blank for direct mount w/ tension clips, or select one. See page 10.

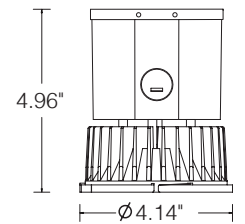
CODE	PART#	TYPE	COMPATIBILITY	INSTALL
PT	AC-DLS-RP	New Construction Plate	4" / 6" / 8" Round Trims	FIELD
	AC-DLS-QP		4" / 6" Square Trims	
PJ	AC-DLS-RJ	New Construction Plate w/ J-Box	4" / 6" / 8" Round Trims	
	AC-DLS-QJ		4" / 6" Square Trims	

LIGHT ENGINE & PERFORMANCE

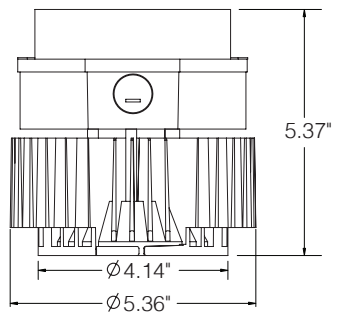
	Engine	Lumen Package	Wattage	CCT Setting	Lumen Output
Delivered Lumens, 82 CRI	FDLS-20/15/10	800	10w	3000K	750
				3500K	780
				4000K	800
		1,200	15w	3000K	1,125
				3500K	1,170
				4000K	1,200
		1,600	20w	3000K	1,500
				3500K	1,560
				4000K	1,600



	Engine	Lumen Package	Wattage	CCT Setting	Lumen Output
Delivered Lumens, 82 CRI	FDLS-40/34/27	2,400	27w	3000K	2,160
				3500K	2,295
				4000K	2,430
		3,000	34w	3000K	2,720
				3500K	2,890
				4000K	3,060
		3,600	40w	3000K	3,200
				3500K	3,400
				4000K	3,600



	Engine	Lumen Package	Wattage	CCT Setting	Lumen Output	
Delivered Lumens, 82 CRI	FDLS-60/45	4,900	45w	3000K	4,635	
				3500K	4,770	
				4000K	4,905	
			6,500	60w	3000K	6,180
					3500K	6,360
					4000K	6,540



STANDARD FEATURES

FIELD SELECTABLE COLOR (CCT) AND POWER



Select the desired output power or light color temperature by sliding the respective Power or CCT Selection Switch left or right to the desired value. CCT can be adjusted to 3000/3500/4000K, and for each model Wattage/Lumen can be adjusted to the 3 different levels shown on the performance chart.

BUILT-IN JUNCTION BOX




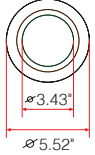
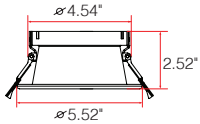
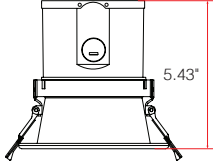



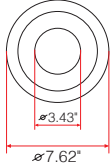
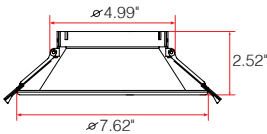
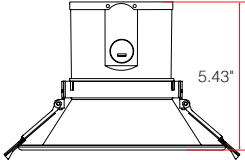


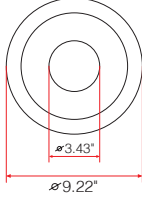
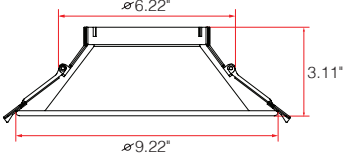
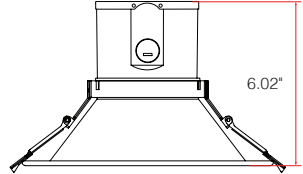

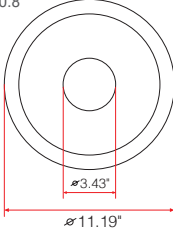
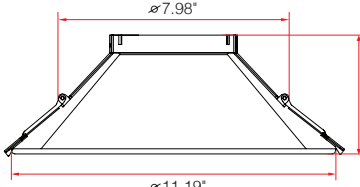
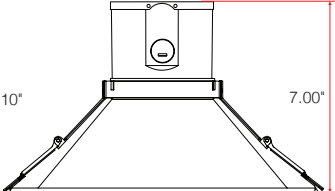

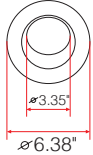
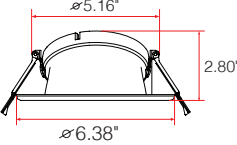
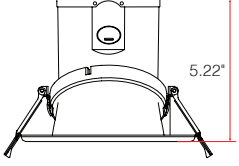


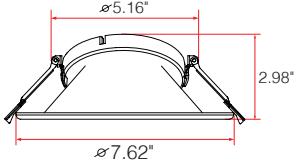
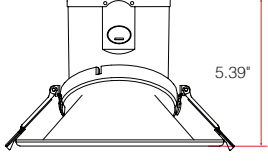
Each light engine includes a built-in junction box, eliminating the need for traditional housing and making it an ideal solution for hardwired lighting in both new construction and remodel projects. FDLS-20/15/10 and FDLS-40/34/27 has three (3) 1/2" KO, FDLS-60/45 has four (4) 1/2" KO for conduit connections.



TRIMS & DIMENSIONS

FDLS-20/15/10

TRIMS FOR FDLS-20/15/10

<p>4" Round Trims</p>		<p>Mounting Diameters: 4.7"-5.2"</p>	
 <p>Haze Reflector White Ring</p>	 <p>Haze Reflector Haze Ring</p>	 <p>Rosé Reflector Rosé Ring</p>	
			
<p>6" Round Trims</p>		<p>Mounting Diameters: 6"-7.3"</p>	
 <p>Haze Reflector White Ring</p>	 <p>Haze Reflector Haze Ring</p>	 <p>Rosé Reflector Rosé Ring</p>	
			
<p>8" Round Trims</p>		<p>Mounting Diameters: 7.4"-8.9"</p>	
 <p>Haze Reflector White Ring</p>	 <p>Haze Reflector Haze Ring</p>		
			
<p>10" Round Trim</p>		<p>Mounting Diameters: 9.5"-10.8"</p>	
 <p>Haze Reflector White Ring</p>			
<p>4" Round Wall Wash Trim</p>		<p>Mounting Diameters: 5.3"-6" Tilt: 15°</p>	
 <p>Haze Reflector White Ring</p>			
<p>6" Round Wall Wash Trim</p>		<p>Mounting Diameters: 6"-7.3" Tilt: 15°</p>	
 <p>Haze Reflector White Ring</p>			

FDLS-20/15/10

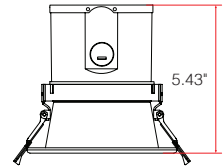
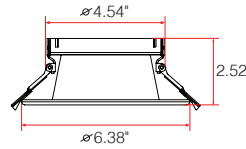
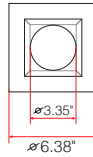
TRIMS FOR FDLS-20/15/10 (CONTINUED)

4" Square Trim

Mounting Diameters: 5.3"-6"



Haze Reflector
White Ring

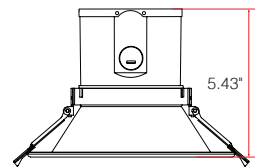
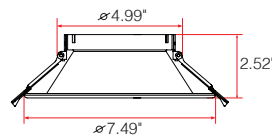
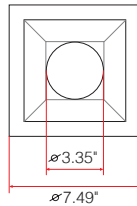


6" Square Trim

Mounting Diameters: 6"-7.3"



Haze Reflector
White Ring

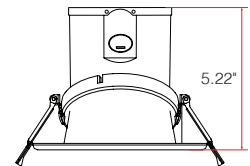
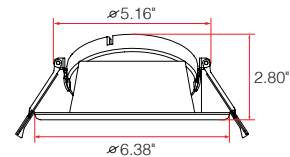
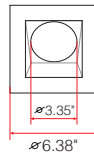


4" Square Wall Wash Trim

Mounting Diameters: 5.3"-6"
Tilt: 15°



Haze Reflector
White Ring

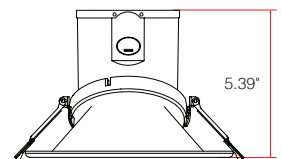
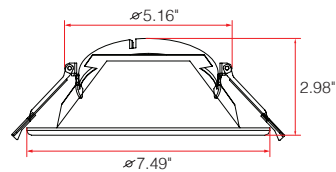
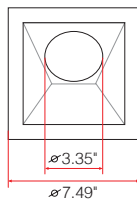


6" Square Wall Wash Trim

Mounting Diameters: 6"-7.3"
Tilt: 15°



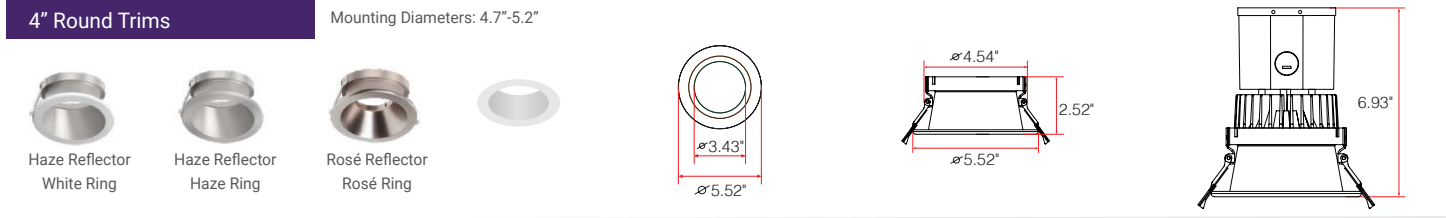
Haze Reflector
White Ring



FDLS-40/35/27

TRIMS FOR FDLS-40/34/27

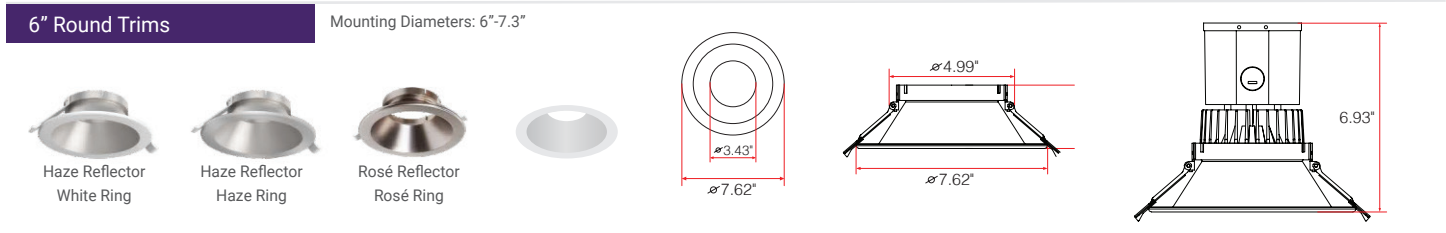
4" Round Trims Mounting Diameters: 4.7"-5.2"



Haze Reflector White Ring Haze Reflector Haze Ring Rosé Reflector Rosé Ring

Dimensions: $\varnothing 3.43"$, $\varnothing 5.52"$, $\varnothing 4.54"$, 2.52", $\varnothing 5.52"$, 6.93"

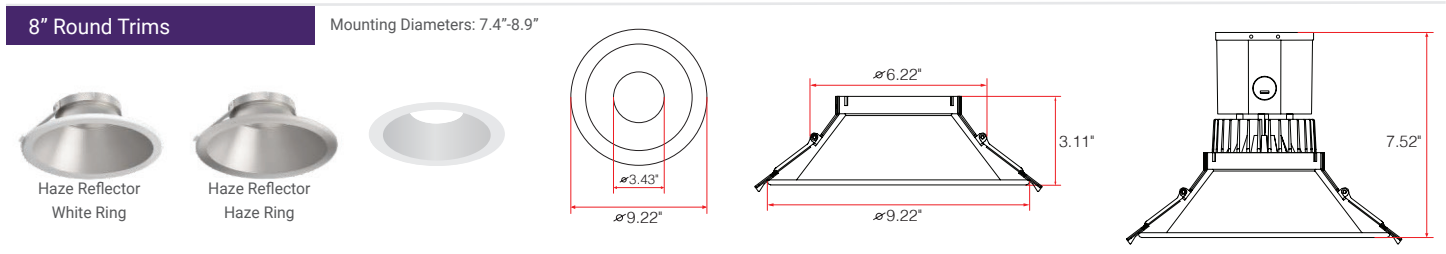
6" Round Trims Mounting Diameters: 6"-7.3"



Haze Reflector White Ring Haze Reflector Haze Ring Rosé Reflector Rosé Ring

Dimensions: $\varnothing 3.43"$, $\varnothing 7.62"$, $\varnothing 4.99"$, $\varnothing 7.62"$, 6.93"

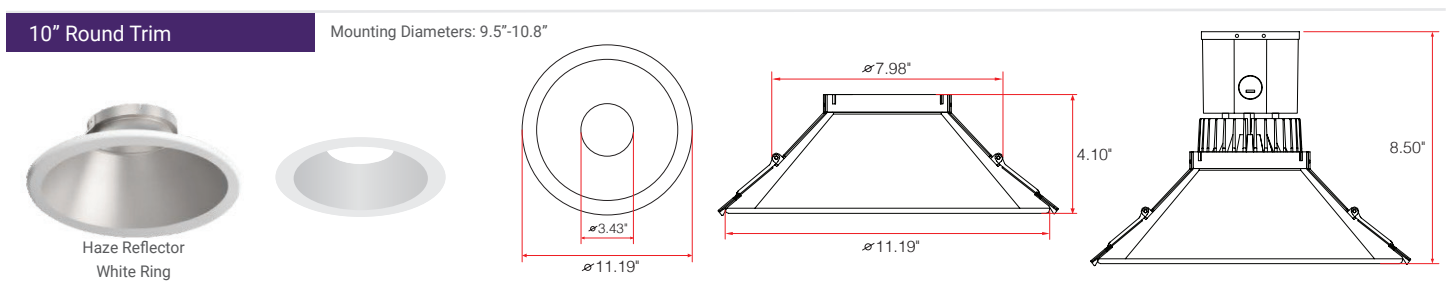
8" Round Trims Mounting Diameters: 7.4"-8.9"



Haze Reflector White Ring Haze Reflector Haze Ring

Dimensions: $\varnothing 3.43"$, $\varnothing 9.22"$, $\varnothing 6.22"$, $\varnothing 9.22"$, 3.11", 7.52"

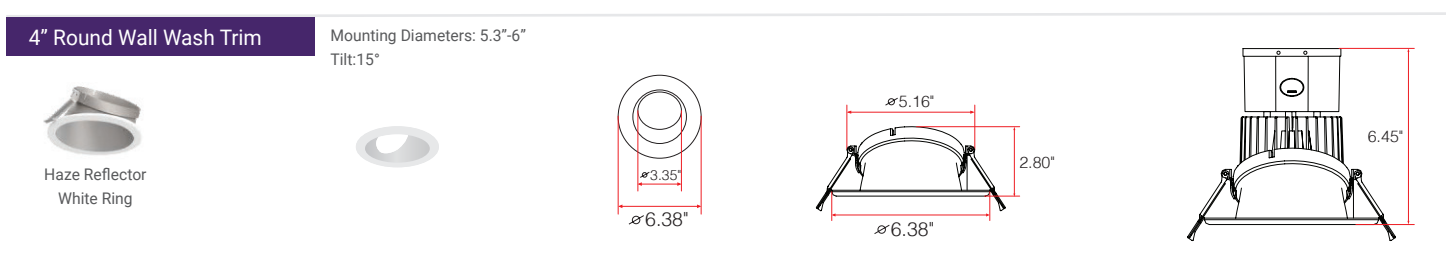
10" Round Trim Mounting Diameters: 9.5"-10.8"



Haze Reflector White Ring

Dimensions: $\varnothing 3.43"$, $\varnothing 11.19"$, $\varnothing 7.98"$, $\varnothing 11.19"$, 4.10", 8.50"

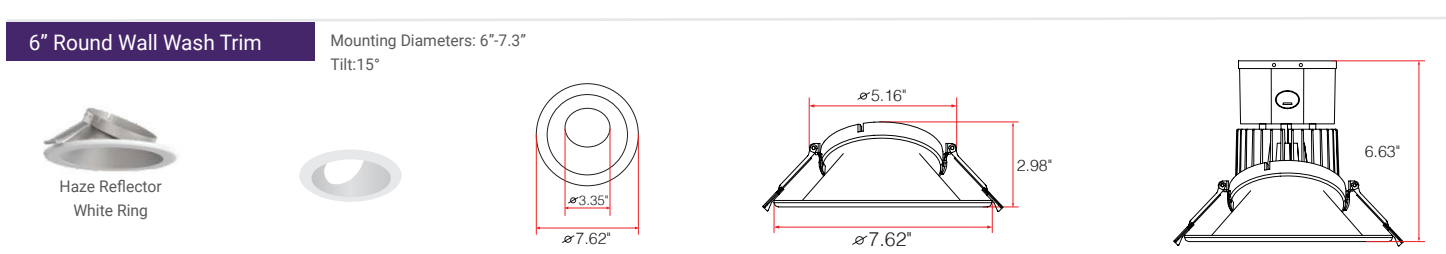
4" Round Wall Wash Trim Mounting Diameters: 5.3"-6" Tilt: 15°



Haze Reflector White Ring

Dimensions: $\varnothing 3.35"$, $\varnothing 6.38"$, $\varnothing 5.16"$, 2.80", $\varnothing 6.38"$, 6.45"

6" Round Wall Wash Trim Mounting Diameters: 6"-7.3" Tilt: 15°



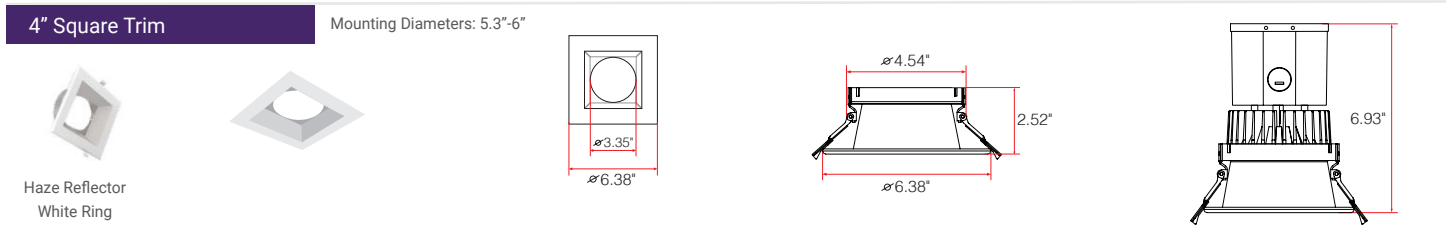
Haze Reflector White Ring

Dimensions: $\varnothing 3.35"$, $\varnothing 7.62"$, $\varnothing 5.16"$, 2.98", $\varnothing 7.62"$, 6.63"

FDLS-40/35/27

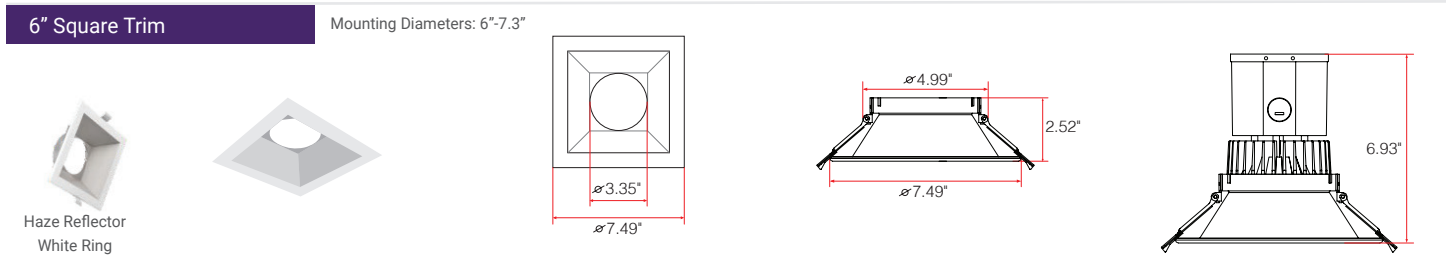
TRIMS FOR FDLS-40/34/27 (CONTINUED)

4" Square Trim Mounting Diameters: 5.3"-6"



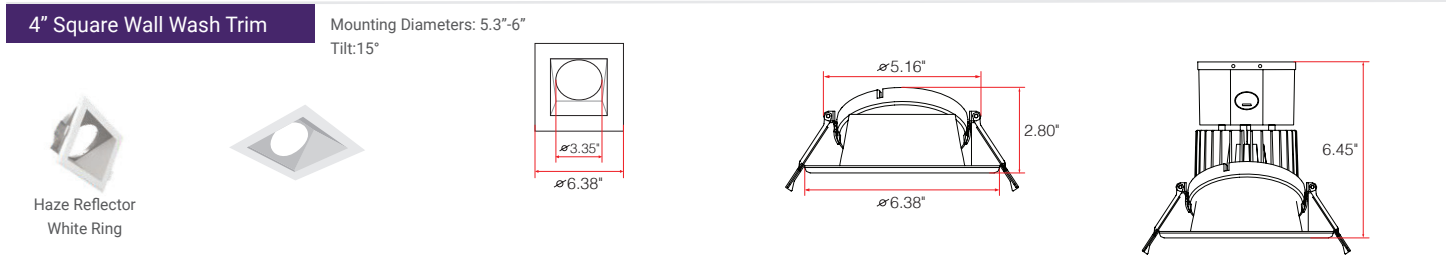
This section shows the 4" square trim components. It includes a perspective view of the trim with a haze reflector and white ring, a top-down view, a side view showing a mounting diameter of 6.38" and a depth of 2.52", and a front view showing a mounting diameter of 6.38" and a height of 6.93".

6" Square Trim Mounting Diameters: 6"-7.3"



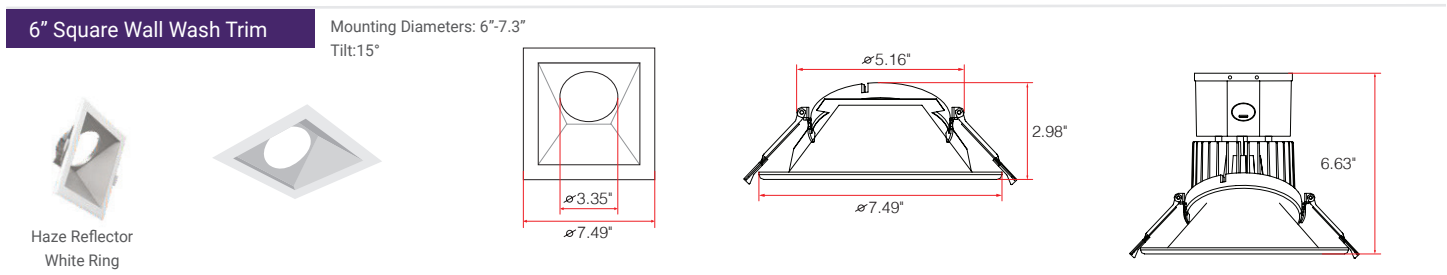
This section shows the 6" square trim components. It includes a perspective view of the trim with a haze reflector and white ring, a top-down view, a side view showing a mounting diameter of 7.49" and a depth of 2.52", and a front view showing a mounting diameter of 7.49" and a height of 6.93".

4" Square Wall Wash Trim Mounting Diameters: 5.3"-6" Tilt: 15°



This section shows the 4" square wall wash trim components. It includes a perspective view of the trim with a haze reflector and white ring, a top-down view, a side view showing a mounting diameter of 6.38" and a depth of 2.80", and a front view showing a mounting diameter of 6.38" and a height of 6.45".

6" Square Wall Wash Trim Mounting Diameters: 6"-7.3" Tilt: 15°



This section shows the 6" square wall wash trim components. It includes a perspective view of the trim with a haze reflector and white ring, a top-down view, a side view showing a mounting diameter of 7.49" and a depth of 2.98", and a front view showing a mounting diameter of 7.49" and a height of 6.63".



FDLS-60/45

TRIMS FOR FDLS-60/45

6" Round Trims

Mounting Diameters: 6"-7.3"



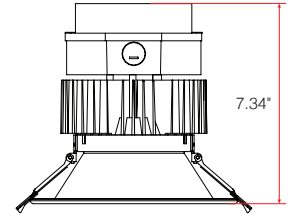
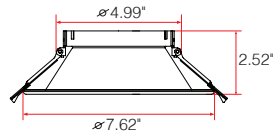
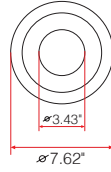
Haze Reflector
White Ring



Haze Reflector
Haze Ring



Rosé Reflector
Rosé Ring



8" Round Trims

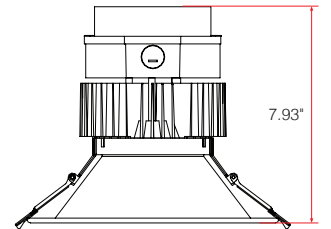
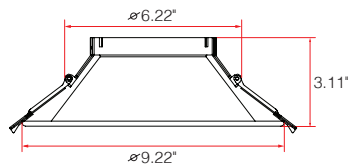
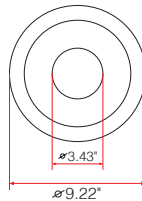
Mounting Diameters: 7.4"-8.9"



Haze Reflector
White Ring



Haze Reflector
Haze Ring

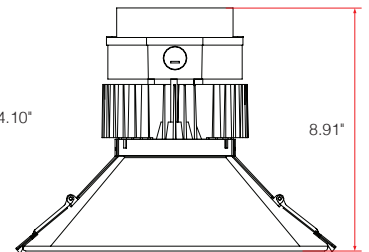
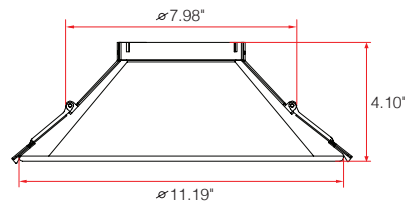
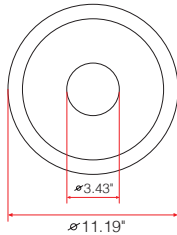


10" Round Trim

Mounting Diameters: 9.5"-10.8"



Haze Reflector
White Ring

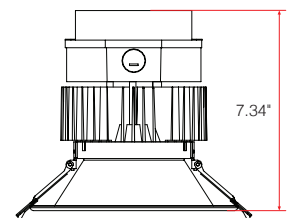
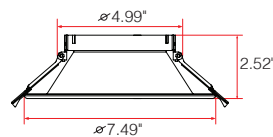
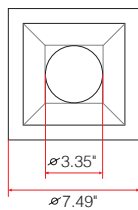


6" Square Trim

Mounting Diameters: 6"-7.3"



Haze Reflector
White Ring



EMERGENCY BACKUP Option

EMERGENCY BATTERY BACKUP (OPTION: -EM1000, -EM1900, -EM2500, -EM3200)



EMERGENCY
BACKUP
OPTION

When there is a power outage, the optional emergency backup driver and battery will power the FDLS to an reduced brightness for at least 90 mins.

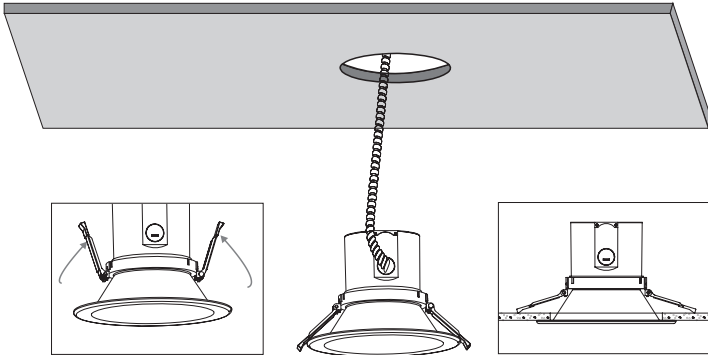
* FIELD INSTALLED



MOUNTS Option

DIRECT MOUNT (STANDARD)

Direct mount with tension clips on the reflector and trim piece



NEW CONSTRUCTION MOUNTING PLATE (OPTION: -PT)

* FIELD INSTALLED



New Construction Mounting Plate For 4"-8" Round Downlights

New Construction Mounting Plate For 4"-6" Square Downlights

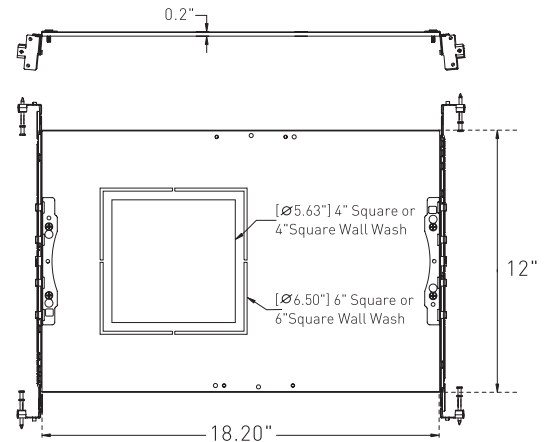
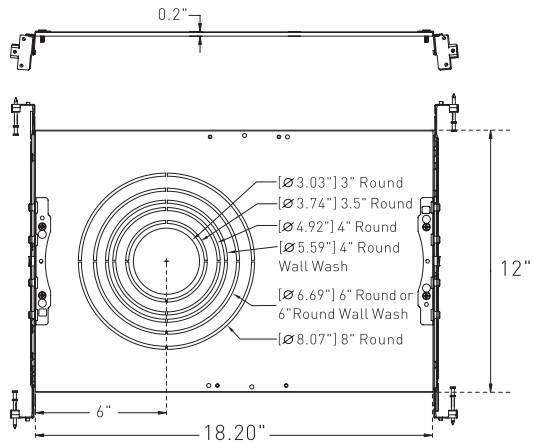
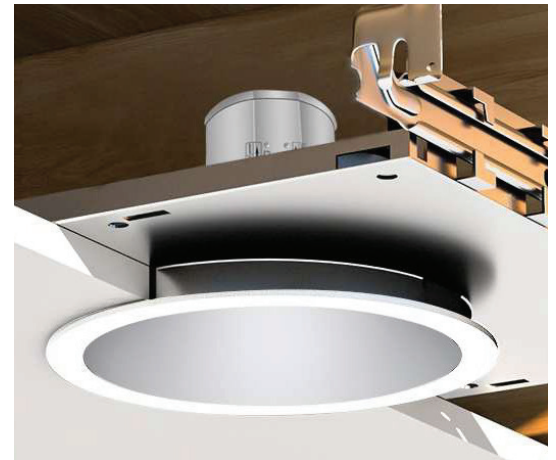
NEW CONSTRUCTION MOUNTING PLATE W/ J-BOX (OPTION: -PJ)

* FIELD INSTALLED



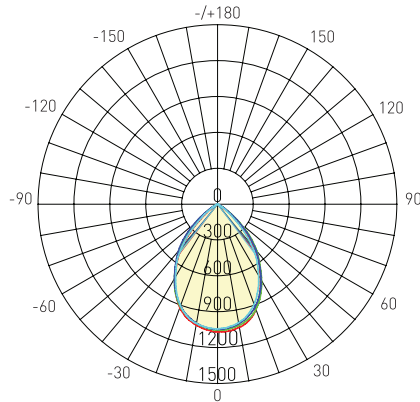
New Construction Mounting Plate, with Junction Box, For 4"-8" Round Downlights

New Construction Mounting Plate, with Junction Box, For 4"-6" Square Downlights



PHOTOMETRICS

FDLS-20, SQUARE TRIM



AVERAGE BEAM ANGLE(50%): 76.6°

Lumens: 1515.4 Lm
Watts: 20 W
LPW: 75.77 Lm/W
CCT: 4000K

UNIT: cd
— C0/180, 75.1°
— C30/210, 77.8°
— C60/240, 78.3°
— C90/270, 75.1°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	1047	1022	1007	992.7	1027
20	939.2	932.1	893.4	892.4	922.1
30	719.9	739.1	687.3	709.4	711.5
40	471.7	497.7	440.1	477.0	457.8
50	170.8	280.1	158.0	250.7	159.6
60	32.27	62.15	30.20	46.44	33.23
70	2.699	4.711	3.380	4.018	3.231
80	1.543	2.277	2.065	2.620	1.965
90	0.1002	0.0711	0.1300	0.0681	0.1300
100	0.0406	0.0496	0.0406	0.0406	0.0451
110	0.0587	0.1195	0.1128	0.1015	0.1038
120	0.2476	0.3584	0.3114	0.3492	0.3024
130	0.6308	0.7486	0.6814	0.7350	0.7086
140	1.149	1.193	1.150	1.217	1.205
150	1.614	1.648	1.633	1.653	1.682
160	2.155	2.061	2.043	2.088	2.156
170	2.363	2.331	2.304	2.322	2.422
180	2.498	2.444	2.431	2.415	2.503
DEG	LUMINOUS INTENSITY:cd				

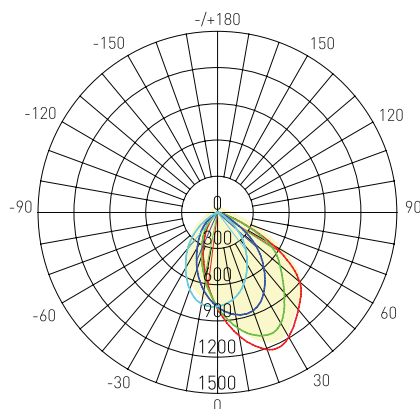
Zonal Lumens

τ	φ total
0-10	98.17
10-20	371.6
20-30	748.1
30-40	1122
40-50	1389
50-60	1490
60-70	1507
70-80	1510
80-90	1511
90-100	1511
100-110	1511
110-120	1512
120-130	1512
130-140	1513
140-150	1514
150-160	1515
160-170	1515
170-180	1515
DEG	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	662	908
80	395	528
75	341	445
70	351	439
65	965	913
60	2869	2684
55	6050	5712
50	11807	10926
45	19770	18214

FDLS-20, WALL WASH SQUARE TRIM



AVERAGE BEAM ANGLE(50%): 71.0°

Lumens: 1590.6 Lm
Watts: 20 W
LPW: 79.53 Lm/W
CCT: 4000K

UNIT: cd
— C0/180, 65.4°
— C30/210, 68.8°
— C60/240, 72.5°
— C90/270, 77.0°

Zonal Flux Diagram

τ	C0	C45	C90	C135	C180
10	1038	919.6	732.9	585.3	554.5
20	1209	984.8	638.0	411.7	353.7
30	1192	930.7	494.7	267.4	210.7
40	1053	743.2	354.7	155.9	97.27
50	896.8	548.9	205.7	66.71	21.28
60	526.2	310.4	73.90	12.46	5.292
70	136.0	73.16	14.65	4.282	4.094
80	12.17	4.784	1.600	3.400	3.395
90	0.1674	0.0925	0.0768	0.1779	0.0947
100	0.0812	0.0812	0.1175	0.2143	0.3070
110	0.0631	0.0925	0.1760	0.5996	0.7989
120	1.081	0.1646	0.3880	1.220	1.633
130	0.1577	0.2909	0.6721	1.526	2.147
140	0.3513	0.4938	0.9789	1.914	2.359
150	0.6173	0.7667	1.276	2.081	2.534
160	0.9781	1.127	1.565	2.182	2.530
170	1.433	1.522	1.781	2.153	2.340
180	1.935	1.851	1.826	1.847	1.944
DEG	LUMINOUS INTENSITY:cd				

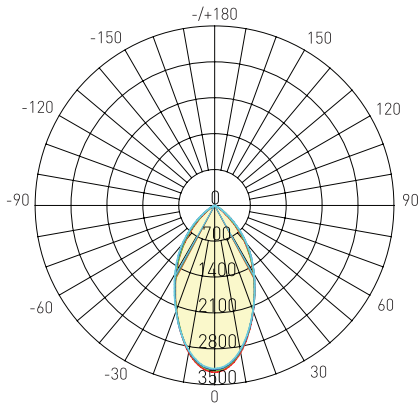
Zonal Lumens

τ	φ total
0-10	73.89
10-20	284.3
20-30	592.3
30-40	929.2
40-50	1235
50-60	1461
60-70	1563
70-80	1584
80-90	1586
90-100	1586
100-110	1586
110-120	1587
120-130	1588
130-140	1588
140-150	1589
150-160	1590
160-170	1590
170-180	1591
DEG	UNIT: lm

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	373	694
80	3114	410
75	9473	779
70	17677	1904
65	31770	3741
60	46776	6569
55	57281	10368
50	62005	14225
45	61916	17780

FDLS-40, ROUND TRIM



AVERAGE BEAM ANGLE(50%): 57.4°

Lumens: 3328.0 Lm
Watts: 40 W
LPW: 83.2 Lm/W
CCT: 4000K

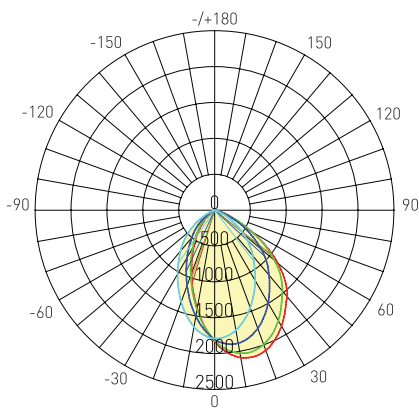
UNIT: cd
— C0/180,56.4°
— C30/210,56.9°
— C60/240,57.9°
— C90/270,58.4°

τ	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				

τ	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

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

FDLS-40, WALL WASH ROUND TRIM



AVERAGE BEAM ANGLE(50%): 71.0°

Lumens: 2949.1 Lm
Watts: 40 W
LPW: 73.73 Lm/W
CCT: 3000K

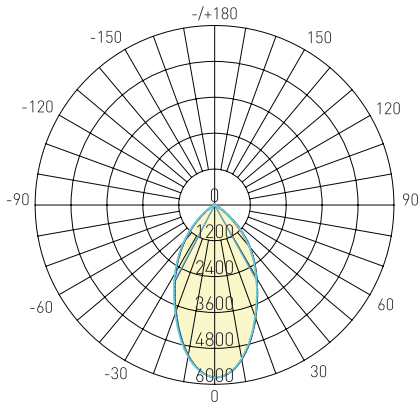
UNIT: cd
— C0/180,69.2°
— C30/210,70.4°
— C60/240,72.4°
— C90/270,72.2°

τ	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				

τ	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

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

FDLS-60, ROUND TRIM



Lumens: 6080.5 Lm
 Watts: 60 W
 LPW: 105.62 Lm/W
 CCT: 4000K

UNIT: cd
 — C0/180,56.9°
 — C30/210,56.9°
 — C60/240,56.9°
 — C90/270,57.1°

Zonal Flux Diagram

τ	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 Lumens

τ	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

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

