

Product	
Catalog No.	
Fixture Type	Notes



SPECIFICATION SUMMARY

	Specification	Data
Category Performance	Wattage	4": 27/20/14W (Selectable) 6", 8", 10": 40/27/18W (Selectable) 80/65/50W (Selectable)
	Delivered Lumens	1,200-6,800lm
	Lumen Efficacy	75-90lm/W
	Color Temperature	3000K, 3500K, 4000K(Selectable)
	Beam Angle	40-52°
	CRI (Ra)	80+
Electrical	Input Voltage	AC100-277V / 110-347V
	Dimming	0-10V
	Power Factor	>0.9
Physical	Housing	Aluminum
	Operation Temperature	-4°F to +104°F
	Dimension (Cutout)	4": Ø4-4.7" 6": Ø6-6.7" 8": Ø7.7-8.4" 10": Ø10-10.7"
	Mounting Options	Clips, Spring Clips, Frame Kit

DL803 LED DOWN LIGHT

The DL803 is a high-performance deep regressed LED downlight designed for commercial and public spaces. Its modular twist-lock engine integrates directly with aluminum trim, delivering superior thermal management and long-lasting illumination. With selectable wattage and CCT options across multiple trim sizes, the DL803 adapts easily to new construction or retrofit installations, offering uniform, glare-free lighting for offices, airports, malls, hospitals, and hotels.

APPLICATIONS

- Commercial Offices
- Shopping Malls
- Airports & Transportation Hubs
- Hospitals & Public Buildings
- Hotels & Lobbies

FEATURES

- Twist-lock modular light engine fits all trim sizes
- CCT & wattage selectable (depending on model)
- Deep regressed optics for glare-free illumination
- Aluminum trim with haze finish or white trim ring
- Compatible with 4", 6", 8", and 10" housings
- Optional new-construction frame kits available

LIFESPAN AND WARRANTY

Rated Life	50,000 Hrs
Warranty	5 Years
Certification	cUL

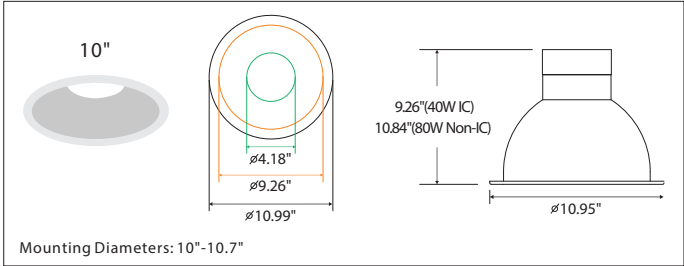
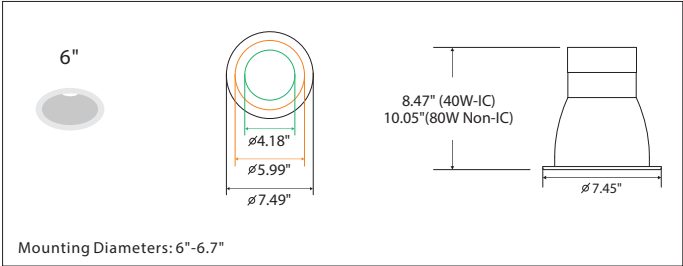
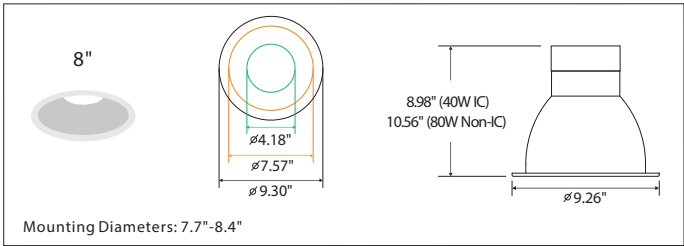
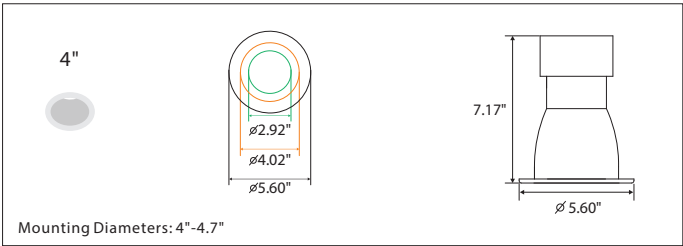
CERTIFICATION



CCT Selectable

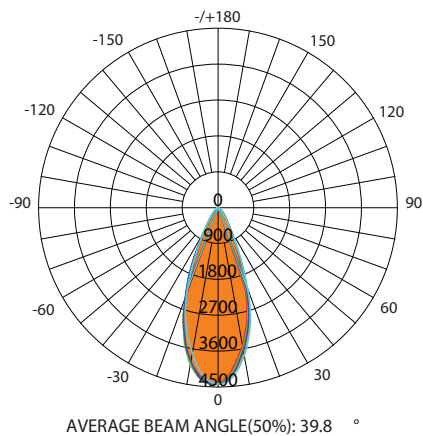
DL803 LED DOWN LIGHT

DIMENSIONS



DISTRIBUTION DIAGRAM

4"-27W



Lumens: 2277.5 Lm
Watts: 25.99 W
LPW: 87.64 Lm/W
CCT: 3500K

UNIT : cd
— C0/180,38.5°
— C30/210,39.6°
— C60/240,40.5°
— C90/270,40.5°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	3526	3614	3773	3777	3951
20	1840	2066	2173	2290	2289
30	642.7	620.7	633.2	645.9	650.1
40	267.3	232.0	212.4	186.8	208.2
50	104.0	90.10	77.47	62.39	72.44
60	39.11	33.57	28.98	23.40	26.49
70	13.31	12.29	11.50	9.398	10.05
80	2.398	2.615	3.295	2.316	2.221
90	0.1544	0.0725	0.0700	0.0748	0.0755
100	0.0794	0.0794	0.0934	0.0864	0.0794
110	0.0794	0.1074	0.1401	0.1260	0.1335
120	0.1587	0.2077	0.2662	0.2522	0.2522
130	0.3638	0.4527	0.5326	0.5250	0.4906
140	1.012	1.181	1.243	1.153	1.084
150	2.687	2.862	2.845	2.633	2.519
160	4.998	5.053	5.034	4.790	4.666
170	7.029	7.112	7.158	6.916	6.752
180	8.081	8.177	8.179	8.207	8.086
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

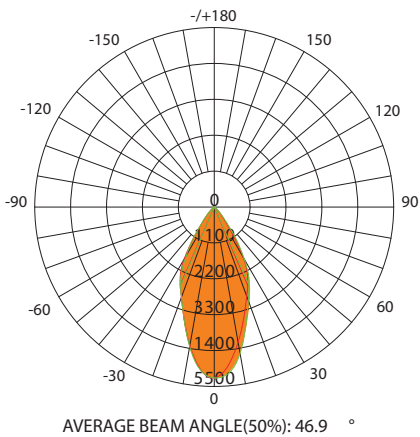
T	total
0-10	386.8
10-20	1227
20-30	1816
30-40	2068
40-50	2187
50-60	2240
60-70	2262
70-80	2270
80-90	2271
90-100	2271
100-110	2271
110-120	2271
120-130	2272
130-140	2272
140-150	2273
150-160	2275
160-170	2277
170-180	2278
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	863	1168
80	1748	2402
75	3276	3333
70	4927	4256
65	7042	5477
60	9902	7336
55	14117	10335
50	20479	15256
45	30007	23078

DL803 LED DOWN LIGHT

8"-40W



Lumens: 3454.8 Lm
Watts: 40 W
LPW: 86.37 Lm/W
CCT: 3000K

UNIT : cd
— C0/180,23.6,23.1
— C90/270,23.2,24.0

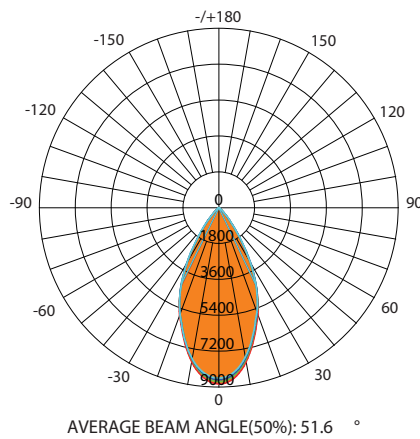
Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	4207	4415	4558	4486	4303
20	2908	2989	3048	3017	2951
30	1783	1845	1841	1886	1860
40	404.4	449.3	484.6	473.0	456.1
50	86.32	93.34	102.6	97.79	98.80
60	28.65	31.97	35.80	31.96	31.76
70	11.68	13.27	14.63	12.86	12.69
80	4.325	4.949	5.424	4.908	4.774
90	0.0042	0.0048	0.0057	0.0085	0.0064
100	0.0030	0.0028	0.0022	0.0028	0.0042
110	0.0069	0.0047	0.0056	0.0044	0.0083
120	0.0130	0.0125	0.0130	0.0125	0.0155
130	0.0296	0.0321	0.0255	0.0322	0.0305
140	0.0873	0.0858	0.0741	0.0856	0.0737
150	0.1587	0.1440	0.1159	0.1539	0.1406
160	0.1934	0.2072	0.1962	0.2238	0.2125
170	0.1596	0.2089	0.2004	0.2279	0.2055
180	0.1087	0.1105	0.1023	0.0966	0.1065
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

T	total
0-10	456.9
10-20	1464
20-30	2576
30-40	3195
40-50	3372
50-60	3423
60-70	3443
70-80	3452
80-90	3454
90-100	3454
100-110	3454
110-120	3455
120-130	3455
130-140	3455
140-150	3455
150-160	3455
160-170	3455
170-180	3455
UNIT: lm	

8"-80W



Lumens: 6288.5 Lm
Watts: 80 W
LPW: 78.61Lm/W
CCT: 3000K

UNIT : cd
— C0/180,51.0 °
— C30/210,51.4 °
— C60/240,51.9 °
— C90/270,52.0 °

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	7872	7743	7625	7552	7858
20	5741	5648	5579	5538	5777
30	3072	3196	3154	3133	3168
40	863.6	934.3	953.4	979.2	923.3
50	154.7	156.7	165.2	184.7	180.9
60	31.91	32.07	35.00	42.64	40.87
70	11.69	11.21	11.99	13.96	13.43
80	4.327	4.261	4.534	4.810	4.632
90	0.1629	0.1966	0.1448	0.1684	0.1504
100	0.1616	0.1471	0.1497	0.1443	0.1623
110	0.2522	0.2166	0.2029	0.2166	0.2211
120	0.5132	0.4694	0.4464	0.4604	0.4604
130	1.495	1.490	1.513	1.454	1.427
140	4.095	4.071	4.131	3.953	4.054
150	8.045	7.940	7.982	7.733	7.987
160	12.49	12.36	12.22	11.98	12.40
170	16.29	16.02	15.74	15.54	16.30
180	17.76	17.60	17.17	17.10	17.83
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

T	total
0-10	775.2
10-20	2630
20-30	4656
30-40	5823
40-50	6169
50-60	6241
60-70	6261
70-80	6269
80-90	6271
90-100	6271
100-110	6272
110-120	6272
120-130	6273
130-140	6275
140-150	6278
150-160	6283
160-170	6287
170-180	6288
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	466	681
80	880	923
75	1033	1049
70	1207	1239
65	1530	1617
60	2255	2474
55	4114	4540
50	8505	9079
45	18529	21493

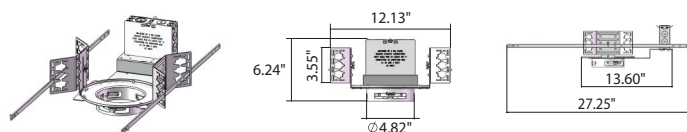
DL803 LED DOWN LIGHT

PERFORMANCE DATA

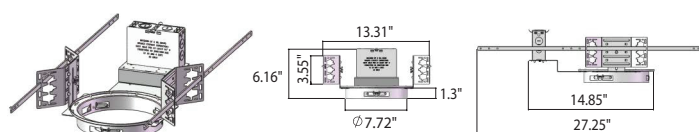
4" PRODUCT CODE	WATTS	DELIVERED LUMENS	INPUT VOLTAGE	CRI (Ra)	CCT
DL803-04	27/20/14W (Selectable)	1,200-2,025	AC100-277V	80+	3000K/ 3500K/ 4000K (Selectable)
6" PRODUCT CODE	WATTS	DELIVERED LUMENS	INPUT VOLTAGE	CRI (Ra)	CCT
DL803-06	40/27/18W (Selectable)	1,500-3,500	AC100-277V	80+	3000K/ 3500K/ 4000K (Selectable)
DL803-06	80/65/50W (Selectable)	4,200-6,800	AC110-347V	80+	3500K/4000K (Optional)
8" PRODUCT CODE	WATTS	DELIVERED LUMENS	INPUT VOLTAGE	CRI (Ra)	CCT
DL803-08	40/27/18W (Selectable)	1,500-3,500	AC100-277V	80+	3000K/ 3500K/ 4000K (Selectable)
DL803-08	80/65/50W (Selectable)	4,200-6,800	AC110-347V	80+	3500K/4000K (Optional)
10" PRODUCT CODE	WATTS	DELIVERED LUMENS	INPUT VOLTAGE	CRI (Ra)	CCT
DL803-10	40/27/18W (Selectable)	1,500-3,500	AC100-277V	80+	3000K/ 3500K/ 4000K (Selectable)
DL803-10	80/65/50W (Selectable)	4,200-6,800	AC110-347V	80+	3500K/4000K (Optional)

FRAME KIT SPEC

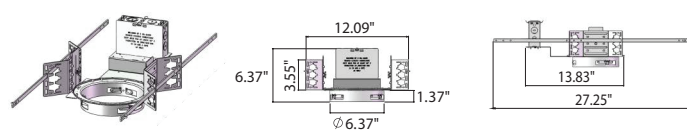
4inch



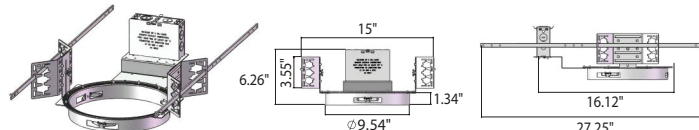
8inch



6inch

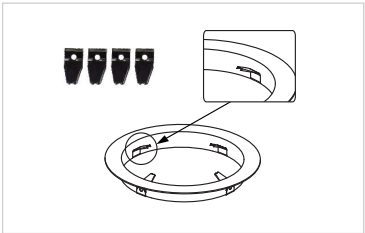


10inch



DL803 LED DOWN LIGHT

MOUNTING ACCESSORY



Standard - Clips

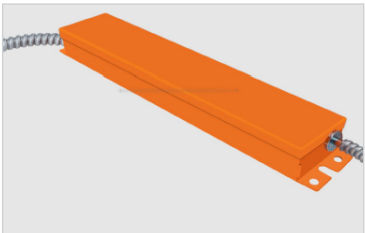


Spring Clips



Frame Kit

ACCESSORIES



Emergency Backup Battery

ORDERING INFORMATION

DL803								
Series SKU	Size	Wattage	Dimming	CRI	Voltage	CCT	Mounting (Optional)	Accessories (Optional)
DL803	04: 4"	027: 27/20/14W	DV: 0-10V Dim *Leave blank if not specified	M: 80 H: 90	U: 100-277V H:110-347V	CT: CCT Selectable (30K/ 35K/ 40K) 35: 3500K 40: 4000K	CI: Clips SC: Spring Clips FK: Frame Kit	EM: Emergency Battery
	06: 6"	040: 40/27/18W						
	08: 8"	080: 80/65/50W						
	10: 10"							

Example: DL803-06040DVMU-CT
Lead times will vary depending on options selected.
Consult with your sales representative.

MISCELLANEOUS

CONSTRUCTION:
INSTALLATION:
OPTICS:
LISTINGS:
ELECTRICAL:
GOVERNMENT PROCUREMENT:

NOTE