DLJB-O

J-Box LED Downlight, Retrofit & New Construction



Paraflex J-box LED commercial downlights are available in 4", 6", 8" and 10" with up to 60w. The innovative separable design of junction box and trim makes it more flexible. Easy-fit installation comes from the adjustable butterfly clips. The downlight is built with an integral junction box that eliminates the need for a traditional recessed housing and mounts directly into ceiling in the new construction which is easy to install. The fixture simply gets wired to a wall switch and placed into the ceiling - no can, bulb or extra labor required! It is designed and engineered for recessed applications, which is suitable for commercial and public places and elegantly decorates the ambience, such as shopping mall, hospital, airport, hotel lobby etc.



DLJB-O-#-D20W-35T
DLJB-O-#-D20W-50E

DLJB-O-#-D40W-35T

Feature

- UL, CUL , Energy Star and Damp Rated
- 60W maximum with 4", 6", 8" and 10" trim size options
- Available in round, square, round wall wash and square wall wash trims
- Twist-lock modular design
- Integrated J-box for direct wire, eliminated recessed can
- CCT adjustable and wattage selectable
- New construction frame kit available



DLJB-O-#-D60W-35T

PERFORMANCE

Item	Energy Star Type	Wattage	Efficacy	Lumen Output
DLJB-O-#	NON-IC	20W	85LM/W	1700LM
DLJB-O-#	IC			
DLJB-O-#	NON-IC	40W	85LM/W	3400LM
DLJB-O-#	NON-IC	60W	103LM/W	6100LM

Remark: DLJB-O-#-D20W-35T with 4", 6", 8",10" round white trims, DLJB-O-#-D20W-50E with 4", 6", 8",10" round white trims, DLJB-O-#-D40W-35T with 4", 6", 8",10" round white trims and DLJB-O-#-D60W-35T with 6", 8",10" round white trims are listed on Energy Star.

DLJB-O

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PRODUCT ORDERING GUIDE

Example: DLJB-O-6-D20W-35T

DLJB-O		–	D	
Product Series	**Cutout Size**		**0-10V Dim**	**Wattage & CCT**
DLJB-O J-Box LED Downlight	**4** 4 Inch **6** 6 Inch **8** 8 Inch (Only for round trim) **10** 10 Inch (Only for round trim)		**D** Maximum 20W and 40W Version: 120-347V AC, dims to 10% Maximum 60W Version: 120-277V AC, dims to 1% Tested Dimmers: Lutron® Diva-Dvtv, Leviton® IP-710-DL.	**20W-35T** Wattage Selectable (20W, 15W, 10W) CCT Adjustable (3000K, 3500K, 4000K) Energy Star (4", 6", 8",10" Round White Trims) **20W-50E** Wattage Selectable (20W, 15W, 10W) CCT Adjustable (3000K, 4000K, 5000K) Energy Star (4", 6", 8",10" Round White Trims) **40W-35T** Wattage Selectable (40W, 34W, 27W) CCT Adjustable (3000K, 3500K, 4000K) Energy Star (4", 6", 8",10" Round White Trims) **60W-35T** Wattage Selectable (60W, 50W, 40W) CCT Adjustable (3000K, 3500K, 4000K) Energy Star (6", 8",10" Round White Trims) Note: Only compatible for 6", 8",10" round trim and 6" square trim.

OPTIONAL ACCESSORY

Trim Shape & Color

RWR
Round White Ring+Haze Reflector
4", 6", 8" 10" Trims Available



RBR
Round Black Trim
4", 6", 8"Trims Available



RHR
Round Haze Trim
4", 6", 8" Trims Available



RRR
Round Rosé Trim
4", 6" Trims Available



SWR
Square White Ring+Haze Reflector
4", 6" Trims Available



Optional Mounting Kit

FKR
New Construction Round Frame Kit
For 3"~8" Downlights

FKRJ
New Construction Round Frame Kit
With J-Box For 3"~8" Downlights

FKS
New Construction Square Frame Kit
For 4"~6" Downlights

FKSJ
New Construction Square Frame Kit
With J-Box For 4"~6" Downlights

RWW
Round Wall Wash White Ring+Haze Reflector
4", 6" Trims Available



SWW
Square Wall Wash White Ring+Haze Reflector
4", 6" Trims Available



Optional Emergency Function

Field-installed
(Pre-wired option available)
Only external 16w or 25w LED emergency driver with standard indicator available.



EME/EM-H16170
16W Emergency LED Driver

EME/EM-H25170
25W Emergency LED Driver

Optional Wet Location Version

WL **Made to Order**
Designed for Non-IC and WET location applications. Available in 4", 6", and 8" round sizes, with the following options:

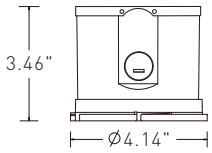
- 20W–35T
- 20W–50E
- 40W–35T

(Mounting Space ⩾17"x10"x8")

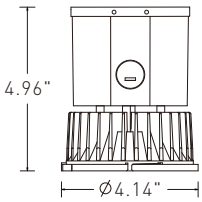
DLJB-O

J-Box LED Downlight, Retrofit & New Construction

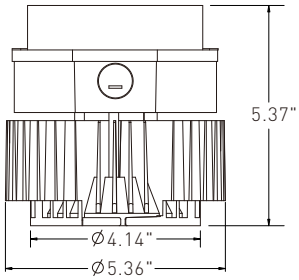
ENGINE



20W



40W



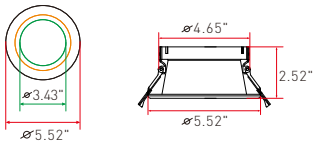
60W

TRIM DIMENSIONS

DLJB-O-#-D20W

4" Round Trims

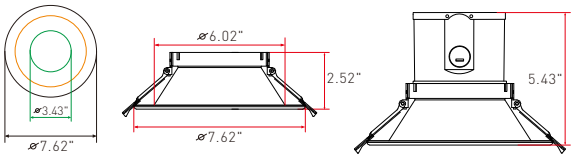




Mounting Diameters: 4.7"-5.2"

6" Round Trims

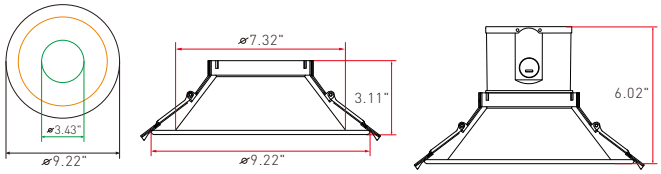




Mounting Diameters: 6"-7.3"

8" Round Trims

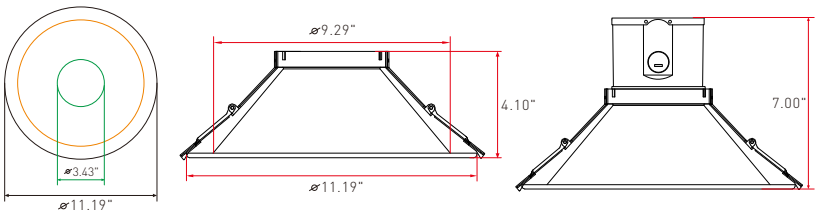




Mounting Diameters: 7.4"-8.9"

10" Round Trims

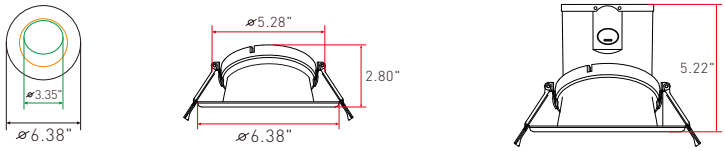




Mounting Diameters: 9.5"-10.8"

4" Round Wall Wash Trims

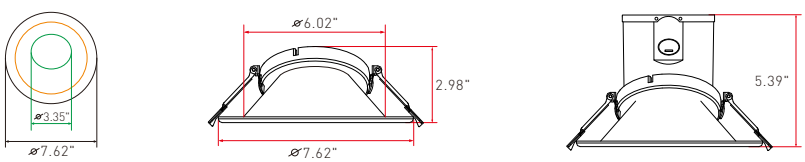




Tilt:15°
Mounting Diameters: 5.3"-6"

6" Round Wall Wash Trims





Tilt:15°
Mounting Diameters: 6"-7.3"

DLJB-O

J-Box LED Downlight, Retrofit & New Construction

TRIM DIMENSIONS

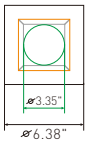
DLJB-O-#-D20W

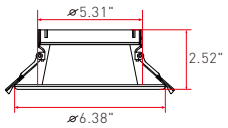
4" Square Trims

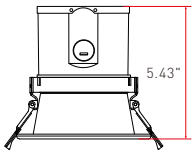


White Ring+
Haze Reflector









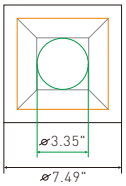
Mounting Diameters: 5.3"-6"

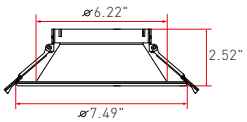
6" Square Trims

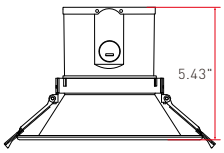


White Ring+
Haze Reflector









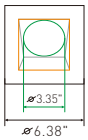
Mounting Diameters: 6"-7.3"

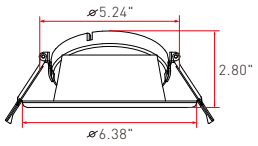
4" Square Wall Wash Trims

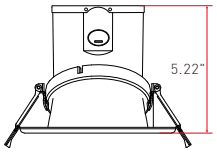


White Ring+
Haze Reflector









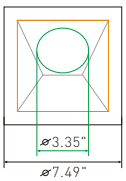
Tilt:15°
Mounting Diameters: 5.3"-6"

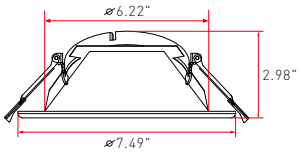
6" Square Wall Wash Trims

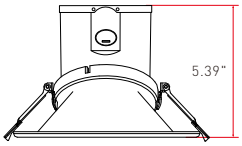


White Ring+
Haze Reflector









Tilt:15°
Mounting Diameters: 6"-7.3"

DLJB-O

J-Box LED Downlight, Retrofit & New Construction

TRIM DIMENSIONS

DLJB-O-#-D40W

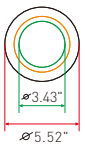
4" Round Trims

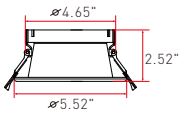

White Ring+ Haze Reflector

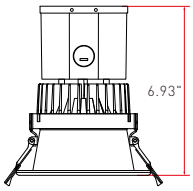

Haze Trim


Rosé Trim


Black Trim







Mounting Diameters: 4.7"-5.2"

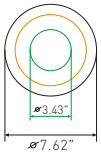
6" Round Trims

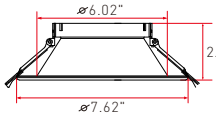

White Ring+ Haze Reflector

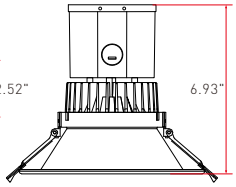

Haze Trim


Rosé Trim


Black Trim







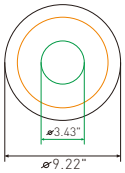
Mounting Diameters: 6"-7.3"

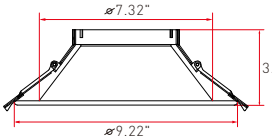
8" Round Trims

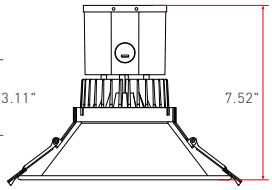

White Ring+ Haze Reflector


Haze Trim


Black Trim



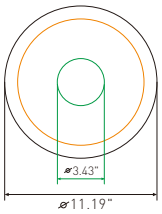


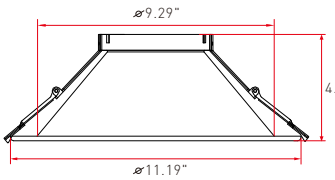


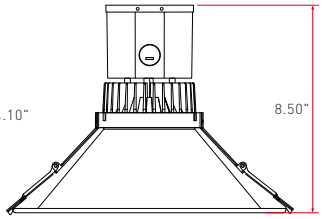
Mounting Diameters: 7.4"-8.9"

10" Round Trims


White Ring+ Haze Reflector



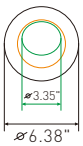


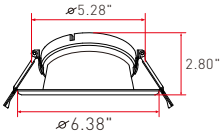


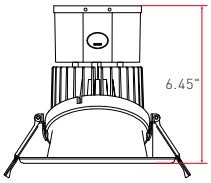
Mounting Diameters: 9.5"-10.8"

4" Round Wall Wash Trims


White Ring+ Haze Reflector



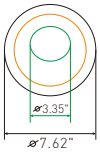


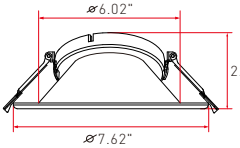


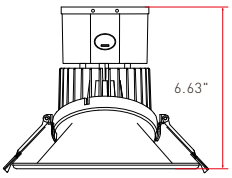
Tilt:15°
Mounting Diameters: 5.3"-6"

6" Round Wall Wash Trims


White Ring+ Haze Reflector







Tilt:15°
Mounting Diameters: 6"-7.3"

DLJB-O

J-Box LED Downlight, Retrofit & New Construction

TRIM DIMENSIONS

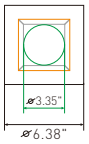
DLJB-O-#-D40W

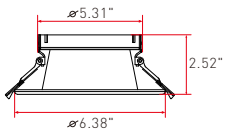
4" Square Trims

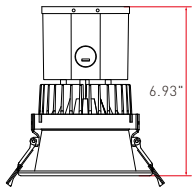


White Ring+
Haze Reflector









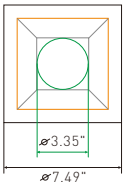
Mounting Diameters: 5.3"-6"

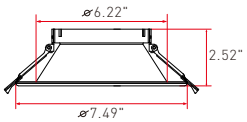
6" Square Trims

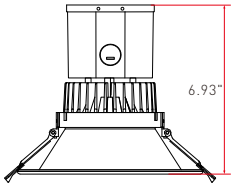


White Ring+
Haze Reflector









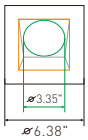
Mounting Diameters: 6"-7.3"

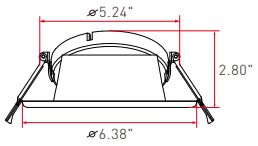
4" Square Wall Wash Trims

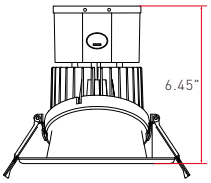


White Ring+
Haze Reflector









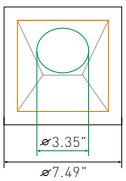
Tilt:15°
Mounting Diameters: 5.3"-6"

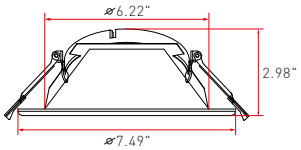
6" Square Wall Wash Trims

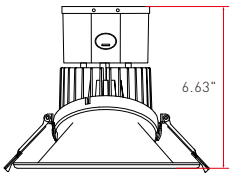


White Ring+
Haze Reflector









Tilt:15°
Mounting Diameters: 6"-7.3"

DLJB-O

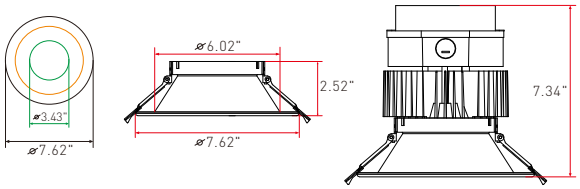
J-Box LED Downlight, Retrofit & New Construction

TRIM DIMENSIONS

DLJB-O-#-D60W

6" Round Trims

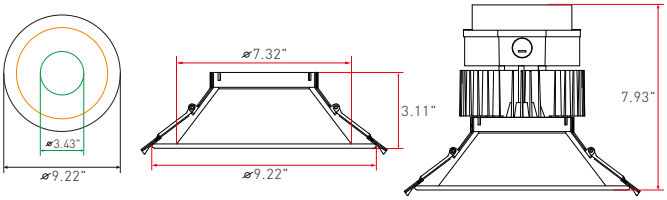




Mounting Diameters: 6"-7.3"

8" Round Trims

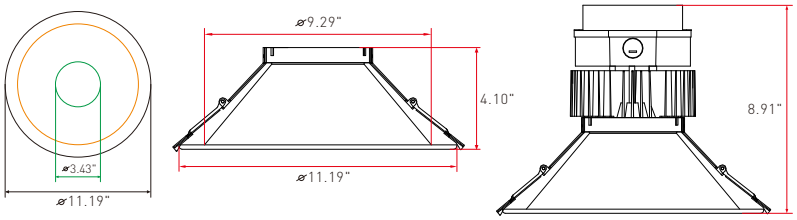




Mounting Diameters: 7.4"-8.9"

10" Round Trims

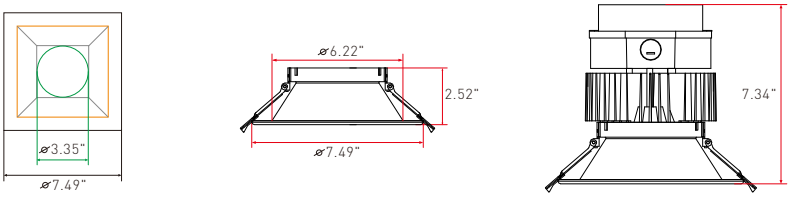




Mounting Diameters: 9.5"-10.8"

6" Square Trims





Mounting Diameters: 6"-7.3"

DLJB-O

J-Box LED Downlight, Retrofit & New Construction



Optional New Construction Frame Kits



FKR
New Construction Round Frame Kit For 3"~8" Downlights



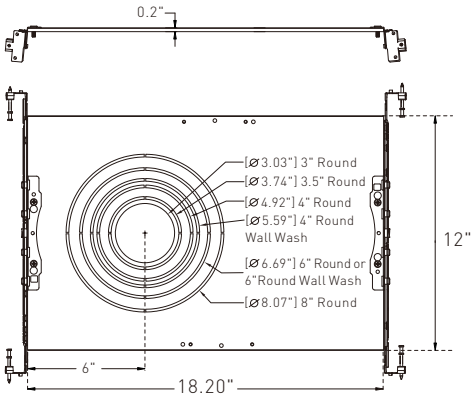
FKS
New Construction Square Frame Kit For 4"~6" Downlights

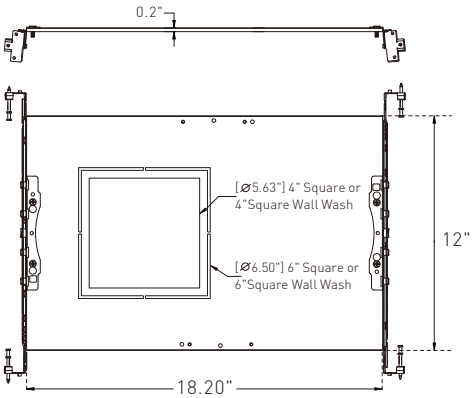


FKRJ
New Construction Round Frame Kit With J-Box For 3"~8" Downlights



FKSJ
New Construction Square Frame Kit With J-Box For 4"~6" Downlights



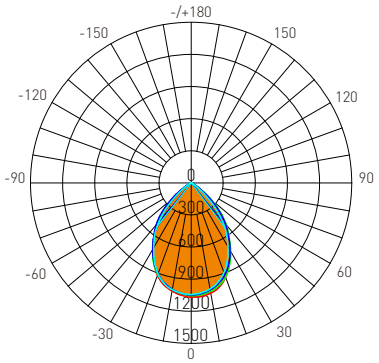


DLJB-O

J-Box LED Downlight, Retrofit & New Construction

DISTRIBUTION DIAGRAM

6" 20W 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

	C0	C45			
10	1047	1022	1007	992.7	1027
20	939.2	932.1	893.4	892.4	922.1
	719.9	739.1	687.3	709.4	711.5
	471.7	497.7	440.1	477.0	457.8
	170.8	280.1	158.0	250.7	159.6
	32.27	62.15	30.20	46.44	33.23
	2.699	4.711	3.380	4.018	3.231
	1.543	2.277	2.065	2.620	1.965
	0.1002	0.0711	0.1300	0.0681	0.1300
100	0.0406	0.0496	0.0406	0.0406	0.0451
	0.0587	0.1195	0.1128	0.1015	0.1038
	0.2476	0.3584	0.3114	0.3492	0.3024
	0.6308	0.7486	0.6814	0.7350	0.7086
	1.149	1.193	1.150	1.217	1.205
	1.614	1.648	1.633	1.653	1.682
	2.155	2.061	2.043	2.088	2.156
	2.363	2.331	2.304	2.322	2.422
	2.498	2.444	2.431	2.415	2.503

Zonal Lumens

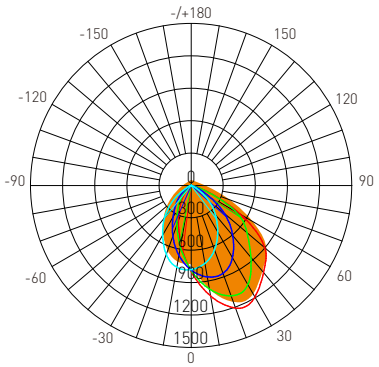
τ	ϕ total
0-10	98.17
	371.6
	748.1
	1122
	1389
	1490
	1507
	1510
	1511
90-100	1511
100-110	1511
	1512
	1512
	1513
	1514
	1515
	1515
	1515

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

6" 20W Square Wall Wash



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

	C0				
10	1038	919. 6	732. 9	585. 3	554. 5
	1209	984. 8	638. 0	411. 7	353. 7
	1192	930. 7	494. 7	267. 4	210. 7
	1053	743. 2	354. 7	155.9	97. 27
	896. 8	548. 9	205.7	66.71	21.28
	526. 2	310. 4	73.90	12.46	5.292
	136. 0	73. 16	14.65	4.282	4.094
	12.17	4. 784	1.600	3.400	3.395
	0.1674	0.0925	0.0768	0.1779	0.0947
100	0.0812	0.0812	0.1175	0.2143	0.3070
	0.0631	0.0925	0.1760	0.5996	0.7989
	1.081	0.1646	0.3880	1.220	1.633
	0. 1577	0.2909	0.6721	1.526	2.147
	0. 3513	0. 4938	0. 9789	1.914	2.359
	0. 6173	0. 7667	1. 276	2.081	2.534
	0. 9781	1. 127	1. 565	2.182	2.530
	1. 433	1. 522	1. 781	2.153	2.340
	1. 935	1. 851	1. 826	1.847	1.944

Zonal Lumens

τ	ϕ total
0-10	73.89
	284.3
	592.3
	929.2
	1235
	1461
	1563
	1584
	1586
	1586
100-110	1586
	1587
	1588
	1588
	1589
	1590
	1590
	1591

UNIT: lm

Luminance cd/(m2)

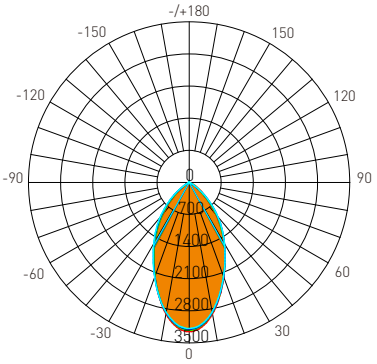
G(DEG)	C0/180	C90/270
85	373	694
80	3114	410
75	9473	779
70	17677	1904
65	31770	3741
60	46776	6569
55	57281	10368
50	62005	14225
45	61916	17780

DLJB-O

J-Box LED Downlight, Retrofit & New Construction

DISTRIBUTION DIAGRAM

6" 40W 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 °

Zonal Flux Diagram

	C0	C45			
10	2916	2896	2871	2857	2912
	2201	2209	2188	2161	2186
	1521	1544	1542	1506	1498
	891.0	956.2	972.7	929.2	869.3
	335.4	424.5	441.2	395.6	321.0
	58.83	91.82	97.54	78.63	54.01
	3.285	2.050	1.504	1.915	3.235
	1.606	0.8562	0.5011	0.8066	1.591
	0.1094	0.0676	0.0949	0.0811	0.0721
100	0.0902	0.0812	0.0857	0.0992	0.0993
	0.1532	0.2302	0.2280	0.2212	0.1986
	0.5046	0.6317	0.6711	0.6273	0.5778
	1.262	1.372	1.496	1.403	1.359
	2.366	2.405	2.542	2.450	2.455
	3.683	3.717	3.809	3.735	3.735
	5.157	5.110	5.117	5.088	5.184
	6.245	6.183	6.145	6.160	6.273
	6.732	6.710	6.593	6.620	6.755

Zonal Lumens

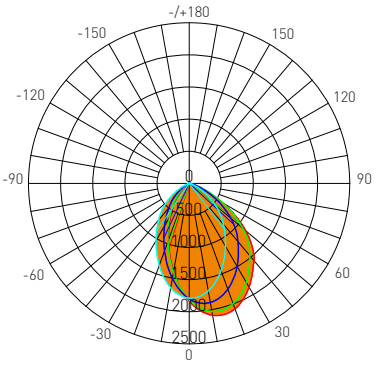
τ	ϕ total
0-10	289.3
	997.9
	1840
	2601
	3101
	3290
	3317
	3318
	3319
	3319
100-110	3319
	3320
	3320
	3322
	3324
	3326
	3327
	3328

UNIT: lm

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

6" 40W Round Wall Wash



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 °

Zonal Flux Diagram

	C0				
10	2085	1962	1700	1461	1397
	2080	1892	1449	1069	944.4
	1866	1658	1132	716.4	584.0
	1572	1343	828.3	446.7	318.6
	1152	1001	540.1	222.7	107.6
	593.4	562.8	253.7	36.59	12.99
	169.5	186.5	59.76	4.875	5.799
	4.680	16.81	1.576	1.973	2.586
	0.0996	0.0631	0.0831	0.1709	0.1311
	0.0811	0.0677	0.1123	0.2708	0.3476
	0.0812	0.1309	0.3018	0.6949	0.9297
	0.2162	0.3294	0.7163	1.394	1.832
	0.4958	0.6814	1.271	2.125	2.851
	0.9914	1.173	1.857	2.832	3.771
	1.650	1.822	2.520	3.504	4.325
	2.502	2.603	3.201	3.991	4.613
	3.422	3.432	3.765	4.225	4.744
	4.216	4.104	4.000	4.054	4.230

Zonal Lumens

τ	ϕ total
0-10	166.4
	610.3
	1207
	1830
	2383
	2750
	2907
	2940
	2941
	2941
	2942
	2942
	2943
	2945
	2946
	2948
	2949
	2949

UNIT: lm

Luminance cd/(m2)

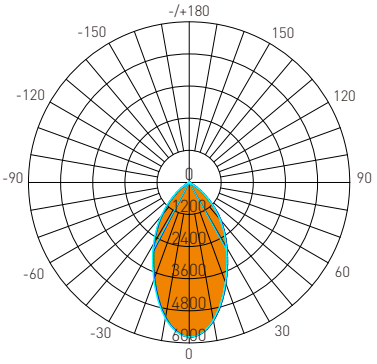
G(DEG)	C0/180	C90/270
85	182	531
80	1526	514
75	14095	3272
70	28056	9893
65	45639	18782
60	67192	28730
55	86754	38552
50	101454	47569
45	111057	55165

DLJB-O

J-Box LED Downlight, Retrofit & New Construction

DISTRIBUTION DIAGRAM

6" 60W Round Trim



AVERAGE BEAM ANGLE(50%): 56.9°

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

ϒ	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

ϒ	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

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