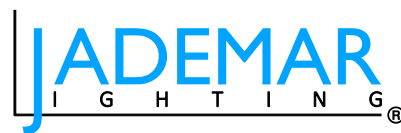


JCYL SERIES

PENDANT MOUNTED ROUND DOWNLIGHT



Jademar Lighting offers numerous cylinder lighting options that complement our suspended lighting platform, while providing a consistent aesthetic. Performance and beauty are both in play with our sleek architectural cylinders. These cylinders would greatly create possibilities in the whole commercial area which make light modular with multiple sizes, beam options, and high visual comfort COB LED as its standard configuration. It is now available in pendant and surface mount configurations which offers a beautiful and slender solution.



FEATURES

- Modular design
- COB LED chip: 80+ or 90+ CRI
- Dimming: 0-10V (10% standard, 1% optional) or TRIAC
- Beam angle: 15°, 24°, 36°, 60° options
- Architectural form: 4", 6" and 8"
- Mounting: Surface or Pendant
- Wattage Selectable



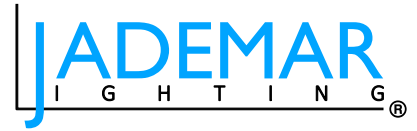
PERFORMANCE DATA TABLE

Product Number	JCYL-4-R		JCYL-6-R		JCYL-8-R	
Diameter - Wattage Selectable	ø3.94" - 25W/18W/12W		ø5.88" - 40W/30W/20W		ø7.88" - 58W/45W/30W	
CCT Values and Lumen Performance Correlated trim color multipliers: 0.92 (Black) / 0.97 (Gold) / 0.94 (Chrome)	Lumen Performance (max wattage, 60° beam angle, white trim)					
	Ra>80	Ra>90	Ra>80	Ra>90	Ra>80	Ra>90
CCT 2700K	2250lm (90lm/W)	1900lm (76lm/W)	4000lm (100lm/W)	3400lm (85lm/W)	4930lm (85lm/W)	4176lm (72lm/W)
CCT 3000K	2375lm (95lm/W)	2000lm (80lm/W)	4200lm (105lm/W)	3560lm (89lm/W)	5220lm (90lm/W)	4408lm (76lm/W)
CCT 3500K	2450lm (98lm/W)	2050lm (82lm/W)	4320lm (108lm/W)	3640lm (91lm/W)	5394lm (93lm/W)	4524lm (78lm/W)
CCT 4000K	2500lm (100lm/W)	2100lm (84lm/W)	4400lm (110lm/W)	3720lm (93lm/W)	5510lm (95lm/W)	4640lm (80lm/W)
Input Voltage	120-277VAC					
THD	≤20%					
Power Factor	>0.90					
Dimming	0-10VDC Dimming Standard / 1% Dimming / TRIAC Dimming					
Light Distribution	Narrow Beam (15°) / Medium Beam (24°) / Wide Beam (36°) / Flood Beam (60°)					
Ambient Working Temperature	-4°F to 104°F (-20°C to 40°C)					
LED Driver	Class 2 High Efficiency LED driver					
Ingress Protection	Damp Locations Rated					
Limited Warranty	5 Yrs					



JCYL SERIES

PENDANT MOUNTED ROUND DOWNLIGHT



JCYL SERIES PENDANT MOUNTED ROUND DOWNLIGHT

ORDERING INFORMATION / EXAMPLE: **JCYL-4-R-2500L-D-90-27K-N-AW-PC-WH-2-RJ**

Product Series	Lumen Output	Dimming	CRI	CCT	Beam Options
JCYL-4-R	2500L 2500lm for 4inch Cylinder *	D 0-10V (Dims to 10%)	Blank 80 CRI (Standard)	27K 2700K	N Narrow Beam, 15°
JCYL-6-R	4400L 4400lm for 6inch Cylinder *	1PD 0-10V (Dims to 1%)*	90 90 CRI	30K 3000K	M Medium Beam, 24°
JCYL-8-R	5510L 5510lm for 8inch Cylinder *	TRIAC TRIAC Dimming**		35K 3500K	W Wide Beam, 36°
				40K 4000K	F Flood Beam, 60°

*The lumens are subject to 4000K, 80+ CRI, 60° Beam Angle and maximum wattage with White trim

*1% driver is a programmable driver that is factory set for wattage during production. There is NO dip-switch for this option.

**1% or TRIAC dimming driver is programmable only, it's only available in 30W and 40W for 6inch.

Trim Options	Mounting	Finish Color	Cable / Stem Length	Ceiling Type
Standard	PC Pendant Cable	WH White	2 2' Nominal Length	RJ Pendant With Flat Canopy Style For Recessed J-Box*
AW White Trim	PS Pendant Rigid Stem	BK Black	4 4' Nominal Length	SJ Pendant With Conduit Cutout Deep Canopy Style For Surface Mounted 4" Octagonal Junction Box*
AB Black Trim	SR Straight Surface	CC Custom Color (Special Order)*	8 8' Nominal Length	
AG Gold Trim	SL Slope Surface		12 12' Nominal Length	
AC Chrome Trim				
12" Regress				
RB Black Trim*				
RW White Trim*				

*Only for 4inch cylinder

*Replace the "CC" with your custom RAL color

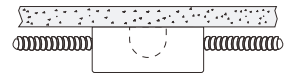
*The color of canopy, cable and stem are the same as the finish unless otherwise specified.

Emergency Function	
Blank	Standard
EME	Optional high voltage 8W emergency LED driver EM-H08170-LBF can be provided. When AC power fails, it immediately switches to the emergency mode operating for lighting up to 120 minutes. When AC, power is restored it automatically returns to the charging mode which meets critical life-safety lighting, requirements. For more info or spec sheet please visit our website or contact sales.

*Additional cost and/or lead time on customized fixtures may apply. Some fixtures require an MOQ. Please contact your sales rep for more information.



RJ
PENDANT WITH FLAT CANOPY STYLE FOR RECESSED J-BOX



SJ
PENDANT WITH CONDUIT CUTOUT DEEP CANOPY STYLE FOR SURFACE MOUNTED 4" OCTAGONAL JUNCTION BOX

LED EMERGENCY DRIVER



CANOPY WITH INDICATOR



STRAIGHT SURFACE ANGLE

SLOPE SURFACE ANGLE

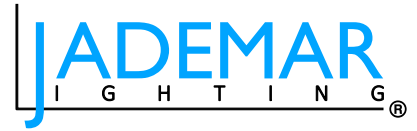


CANOPY CAN BE MOUNTED ON BOTH STRAIGHT SURFACE AND SLOPPED /ANGLE CEILING



JCYL SERIES

PENDANT MOUNTED ROUND DOWNLIGHT



STRUCTURE

► Optics

It was powered by high efficiency COB LED chip. 15° / 24° / 36°/ 60° fixed beam spread options. Cylinder beam spreaders are interchangeable which can be easily swapped out in the field without tools.

► Finish

Constructed of rigid die cast aluminum. Powder coated polyester paint that comes standard in white and black.

► Electrical

LED Driver	It is powered by Class 2 high efficiency LED driver, with a standard 0-10V dimming which dims to 10%. Dim to 1% and TRIAC dimming are available.
THD	<20%
Power Factor	>0.9
Input Voltage	Standard electronic drivers are cULus recognized and available for 120-277V AC.
Environment	Environment damp rated for ambient operating temperature of -20°C to +40°C (-4° to +104°F)

► LED System

CRI	COB LED with a 80+ or 90+ CRI .
CCT	2700K,3000K, 3500K and 4000K with a great color consistency.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.

► Listings

- cULus listed for damp locations
- Five-year warranty for parts and components. (Labor not included)

NOTES:

- Ambient temperatures at fixture location should not exceed 40°C during normal operation.
- For interior use only

► Mounting

Cable Mount

White/black cable is provided in length specified (2' nominal, 4' nominal or 8' nominal). Installers can cut the cable in the field to desired length.

Notes:

- For 4", only use the power cable to suspend.
- For 6" and 8", the power cable and aircrew cable are separated.

Pendant Stem Mount

Ø12/25" steel stem is provided in length specified (2' nominal, 4' nominal, or 8' nominal) and is provided in white or black finish.

► Canopy Options

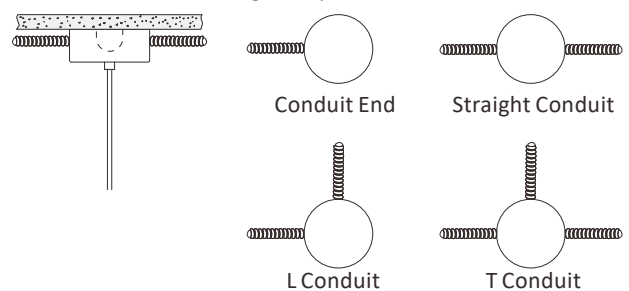
Flat Canopy For Recessed J-box

If J-box is recessed (3" octagon, 4" octagon and 4" round), a 4.5" flat canopy is provided for mounting to recessed junction box in white or black powder coat painted finish.

Conduit Cutout Deep Canopy For Surface Mount J-box

If standard 4" octagonal J-box is surface mounted, a Ø5.97" round x 2.38" deep canopy with conduit cutout is provided for mounting. Conduit cutout canopy has 4 key slots, one in each side, and can be configured to accommodate any ceiling layout using ½" or ¾" conduit. Conduit cutout canopy is provided white and black powder coat painted finish.

Conduit cutout mounting example



DIMMER COMPATIBLE

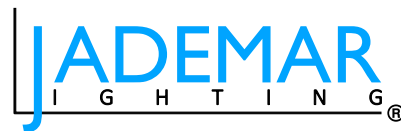
0-10V Dimming	LEVITON DD710	LUTRON MS-Z101	LUTRON NTSTV-DV	LEGRAND RH4FBL3PTC	LUTRON DVSTV	LEVITON IP710
4inch 25W (Dim to 1%)	×	4% Below	✓	✓	✓	✓
6inch 40W 1%	✓	✓	✓	✓	✓	✓
8inch 58W 1%	✓	✓	✓	✓	✓	✓
4inch 5W (Dim to 10%)	✓	✓	✓	✓	✓	✓
6inch 40W 10%	✓	✓	✓	✓	✓	✓
8inch 58W 10%	✓	✓	✓	✓	✓	✓

TRIAC Dimming	DV600P	DVCL-153P	6683	DV603P	6672	S-600P	MSCL-DP153M	S-603P	LG-600P	TGCL-153DH	SCL-153P	6674-LEVITON	CTCL-153P	CT-603PG
4inch 25W	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓
6inch 40W	✓	✓	✓	✓	×	✓	✓	×	✓	×	✓	✓	✓	✓
8inch 58W	×	✓	✓	✓	✓	×	✓	✓	×	✓	✓	✓	✓	✓



JCYL SERIES

PENDANT MOUNTED ROUND DOWNLIGHT



CONFIGURATION

White Exterior Finishes

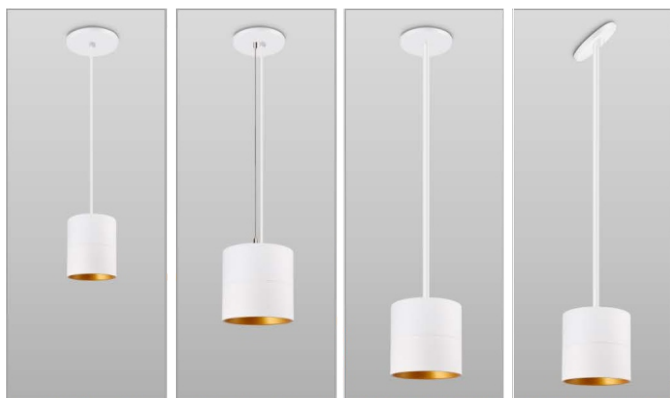


Black Exterior Finishes



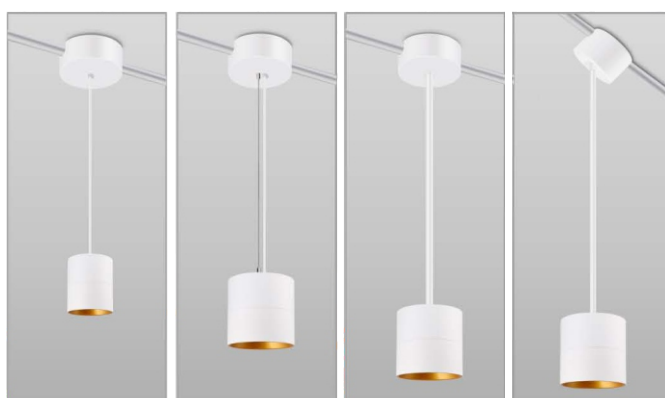
PENDANT OPTIONS

Pendant With Flat Canopy For Recessed J-Box

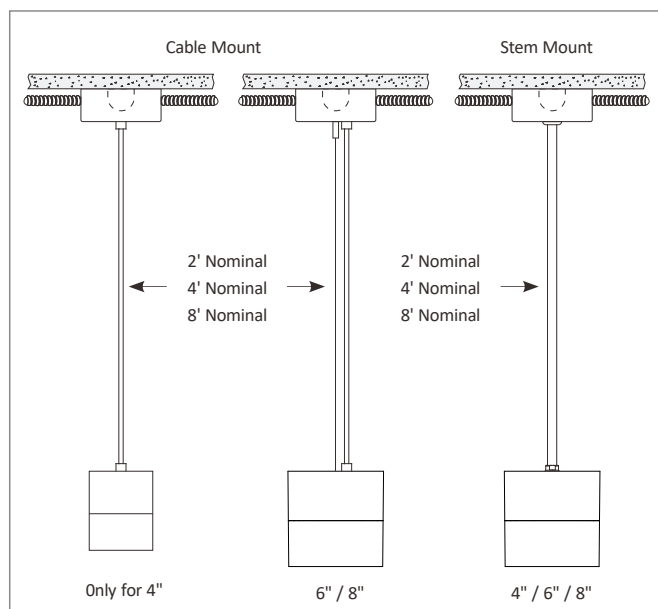
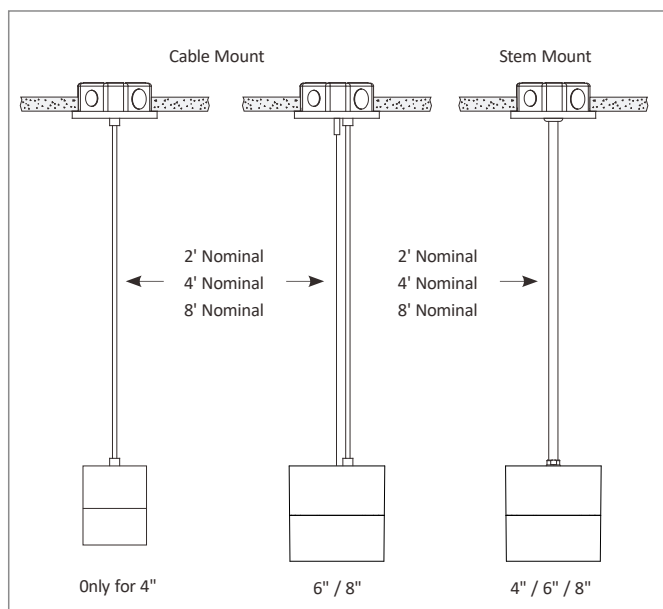


Cable Mount 4"
Cable Mount 6"/8"
Rigid Pendant Stem Mount 4"/6"/8"
Rigid Pendant Stem Mount 4"/6"/8" Tilt up to 30°

Pendant With Conduit Cutout Deep Canopy For Surface 4" Octagonal Junction Box



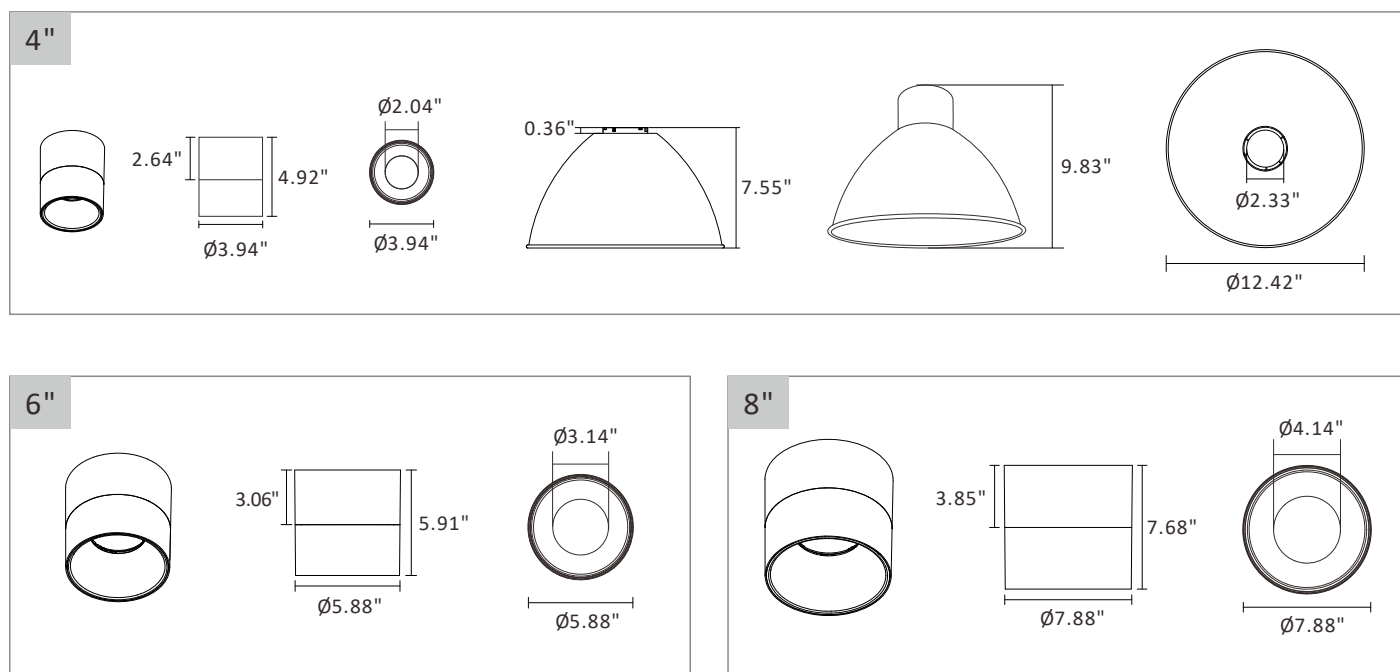
Cable Mount Conduit Cutout 4"
Cable Mount Conduit Cutout 6"/8"
Rigid Pendant Stem Conduit Cutout Surface Mount 4"/6"/8"
Rigid Pendant Stem Conduit Cutout Surface Mount 4"/6"/8" Tilt up to 30°



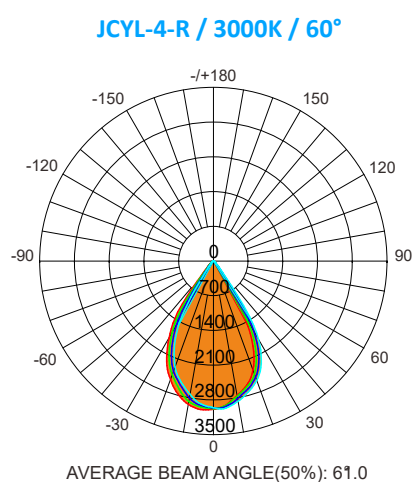
JCYL SERIES

PENDANT MOUNTED ROUND DOWNLIGHT

DIMENSIONS



DISTRIBUTION DIAGRAM



Lumens: 2612.6 Lm
Watts: 25 W
LPW: 103.94 Lm/W
CCT: 3000K

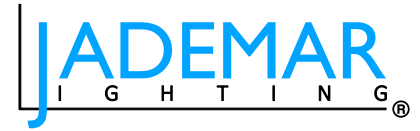
UNIT: cd
— C0/180,61.0°
— C30/210,61.1°
— C60/240,61.1°
— C90/270,60.7°

Zonal Flux Diagram						Zonal Lumens		Luminance cd/(m2)		
T	C0	C45	C90	C135	C180	T	φ total	G(DEG)	C0/18	C90/270
10	2751	2786	2868	2917	2931	0-10	275.7	85	2079	6732
20	2335	2466	2558	2593	2538	10-20	1016	80	2892	6628
30	1094	1535	1818	1905	1800	20-30	1941	75	8458	9206
40	155.1	194.4	245.3	438.2	400.3	30-40	2403	70	11997	11556
50	62.68	63.03	65.58	79.00	102.6	40-50	2499	65	13945	13764
60	44.26	44.48	45.54	54.19	62.64	50-60	2552	60	15263	15703
70	23.80	23.01	22.92	28.39	34.03	60-70	2587	55	16203	17152
80	2.913	5.007	6.675	7.312	11.58	70-80	2603	50	16813	17592
90	0.1544	0.1118	0.3414	0.4778	0.2661	80-90	2605	45	17695	27503
100	0.0980	0.1167	0.1027	0.1260	0.1499	90-100	2605			
110	0.1725	0.2939	0.8678	0.2707	0.6863	100-110	2605			
120	0.3081	0.3082	0.3596	0.3502	0.7190	110-120	2606			
130	0.8022	0.6450	0.4290	0.4484	0.8034	120-130	2606			
140	2.066	1.785	1.408	1.243	1.589	130-140	2607			
150	3.714	3.274	2.851	2.718	3.120	140-150	2609			
160	5.316	4.917	4.461	4.184	4.698	150-160	2610			
170	6.381	6.205	6.044	5.930	6.233	160-170	2612			
180	6.788	6.806	6.652	6.657	6.797	170-180	2613			
DEG	LUMINOUS INTENSITY:cd					UNIT: lm				



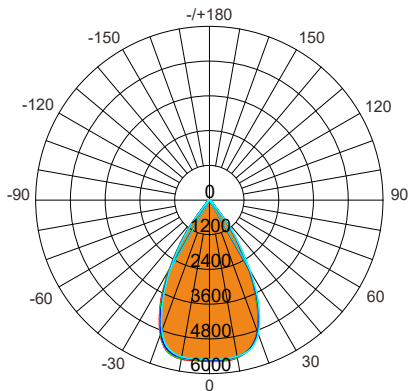
JCYL SERIES

PENDANT MOUNTED ROUND DOWNLIGHT



DISTRIBUTION DIAGRAM

JCYL-6-R / 3000K / 60°



AVERAGE BEAM ANGLE(50%): 59.6

Lumens: 5046.4 Lm
Watts: 45 W
LPW: 111.38 Lm/W
CCT: 3000K

UNIT: cd
— C0/180,59.5°
— C30/210,59.5°
— C60/240,59.6°
— C90/270,59.6°

Zonal Flux Diagram

°	C0	C45	C90	C135	C180
10	5529	5511	5486	5486	5576
20	4834	4887	4923	4940	4963
30	2643	2758	2803	2894	2818
40	433.5	487.4	508.0	551.8	472.2
50	100.6	104.4	102.4	105.5	99.85
60	72.33	72.16	70.84	70.56	71.23
70	44.46	45.15	44.15	44.05	43.76
80	18.19	18.90	17.92	18.39	18.56
90	0.1782	0.1447	0.1496	0.1447	0.1447
100	0.1727	0.1868	0.1494	0.1821	0.1729
110	0.2565	0.2615	0.2147	0.2568	0.2569
120	0.3688	0.3923	0.3823	0.3596	0.3737
130	1.082	1.047	0.9929	0.9770	1.080
140	3.232	3.112	3.031	2.920	3.318
150	6.392	6.202	6.089	5.889	6.530
160	9.529	9.302	9.245	9.017	9.601
170	12.21	12.07	11.91	11.77	12.11
180	13.29	13.37	13.15	13.16	13.31
DEG	LUMINOUS INTENSITY:cd				

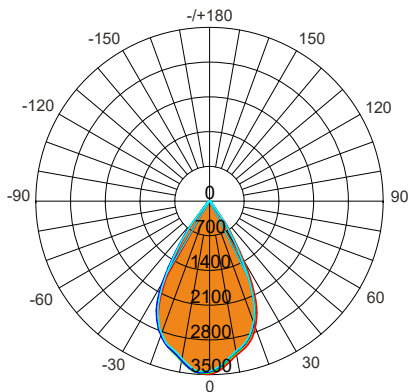
Zonal Lumens

°	φ total
0-10	526.3
10-20	2017
20-30	3780
30-40	4714
40-50	4863
50-60	4936
60-70	4993
70-80	5025
80-90	5033
90-100	5033
100-110	5033
110-120	5033
120-130	5034
130-140	5036
140-150	5039
150-160	5042
160-170	5045
170-180	5046
UNIT: lm	

Luminance cd/(m2)

G(°)	C0/18	C90/270
85	5141	5059
80	6800	6703
75	7678	7640
70	8441	8382
65	9032	8906
60	9393	9200
55	9336	9072
50	10163	10349
45	14737	15549

JCYL-8-R / 3000K / 60°



AVERAGE BEAM ANGLE(50%): 57.7

Lumens: 6000.6 Lm
Watts: 60 W
LPW: 95.85 Lm/W
CCT: 3000K

UNIT: cd
— C0/180,57.5°
— C30/210,57.8°
— C60/240,58.0°
— C90/270,57.5°

Zonal Flux Diagram

°	C0	C45	C90	C135	C180
10	6752	6641	6582	6635	6997
20	5798	5610	5550	5774	6119
30	2943	2631	2544	3088	3598
40	323.2	281.4	268.1	369.4	569.4
50	101.4	92.02	90.41	103.3	137.4
60	66.11	63.45	62.41	64.37	68.46
70	40.56	38.05	37.37	39.94	43.13
80	16.48	14.58	14.33	16.84	19.29
90	0.1635	0.1495	0.1728	0.1494	0.6340
100	0.1633	0.2008	0.1867	0.1961	0.1821
110	0.2426	0.2895	0.2613	0.2755	0.2615
120	0.4150	0.4624	0.4521	0.4110	0.3877
130	1.310	1.501	1.445	1.183	1.038
140	4.020	4.396	4.323	3.738	3.636
150	7.830	3.274	2.851	2.718	3.120
160	11.69	12.09	12.00	11.29	11.30
170	15.06	15.17	14.99	14.64	14.78
180	16.06	16.06	15.84	15.86	16.12
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

°	φ total
0-10	670.6
10-20	2462
20-30	4629
30-40	5655
40-50	5820
50-60	5892
60-70	5945
70-80	5976
80-90	5984
90-100	5985
100-110	5985
110-120	5985
120-130	5986
130-140	5988
140-150	5991
150-160	5995
160-170	5999
170-180	6001
UNIT: lm	

Luminance cd/(m2)

G(°)	C0/18	C90/270
85	2815	2099
80	3569	3101
75	4060	3666
70	4458	4108
65	4761	4451
60	4970	4692
55	5058	4836
50	5932	5288
45	9205	8235

