

Diamond Series



ADURA
LED SOLUTIONS

SPECIFICATIONS

Adura Ordering Code	CIR-150036D-0123535-xxx-1x12
Number of LEDs	12 LED (1x12)
Type of LED	NICHIA 219, OSRAM SQUARE, SEOUL SEMI Z5M2, CREE XP Family
CCT	2700K, 3000K, 3500K, 4000K, 4500K, 5000K, 5700K, 6500K
CRI	70+, 80+, 90+
Operating Current (IF)	350mA (12W), 700mA (24W), 1000mA (36W), 1200mA (48W)
Maximum Current (IF)	1500mA
Typical Input Voltage (Vdc)	Minimum VF (35V), Typical VF (36V), Maximum VF (38V)
Board Shape	CIRCULAR
Board Size (mm)	2.597" (66mm)

 **PRODUCT FEATURES**

- ✓ Wide Choice of color temperatures (2700K-8000K)
- ✓ CRI Options of 60+, 70+, 80+, 90+
- ✓ Efficiencies up to 160 lm/W
- ✓ Perfect fit for LEDIL SANDRA OPTICS (Spot, medium and Wide) Options.
- ✓ Enable Simple fixture design upgrades
- ✓ Modular Approach
- ✓ Up to 50,000 Hour Life
- ✓ Rapid turnaround times

APPLICATIONS

- Down Lights, 4", 6", 8"
- Landscape Lights
- Modular Lighting
- Bolards
- Indoor and Outdoor lighting



ADURA Ordering Code	Typical Wattage (W)	OPERATING CURRENT		Input Voltage (Vdc)	CCT (Kelvin)	CRI	Typical Lumen (lm)	Typical Lumens Per Watt (LPW)	Dimensions Inch(mm)
		Nominal Current (mA)	Max Current (mA)						
CIR-150036D-0123535-277-1x12	12	350	1500	34	2700	70	1850	156	2.597" (66mm)
	17	500	1500	35	2700		2563	147	
	25	700	1500	36	2700		3444	138	
	37	1000	1500	37	2700		4642	127	
	45	1200	1500	37	2700		5383	121	
CIR-150036D-0123535-307-1x12	12	350	1500	34	3000	70	1907	160	
	17	500	1500	35	3000		2643	152	
	25	700	1500	36	3000		3551	142	
	37	1000	1500	37	3000		4787	130	
	45	1200	1500	37	3000		5550	124	
CIR-150036D-0123535-357-1x12	12	350	1500	34	3500	70	1958	165	
	17	500	1500	35	3500		2714	156	
	25	700	1500	36	3500		3646	146	
	37	1000	1500	37	3500		4915	134	
	45	1200	1500	37	3500		5699	128	
CIR-150036D-0123535-407-1x12	12	350	1500	34	4000	70	2048	172	
	17	500	1500	35	4000		2838	163	
	25	700	1500	36	4000		3813	153	
	37	1000	1500	37	4000		5140	140	
	45	1200	1500	37	4000		5960	133	
CIR-150036D-0123535-457-1x12	12	350	1500	34	4500	70	2054	173	
	17	500	1500	35	4500		2847	164	
	25	700	1500	36	4500		3825	153	
	37	1000	1500	37	4500		5156	141	
	45	1200	1500	37	4500		5979	134	
CIR-150036D-0123535-507-1x12	12	350	1500	34	5000	70	2058	173	
	17	500	1500	35	5000		2853	164	
	25	700	1500	36	5000		3841	154	
	37	1000	1500	37	5000		5195	142	
	45	1200	1500	37	5000		6032	135	
CIR-150036D-0123535-577-1x12	12	350	1500	34	5700	70	1987	167	
	17	500	1500	35	5700		2755	158	
	25	700	1500	36	5700		3710	148	
	37	1000	1500	37	5700		5017	137	
	45	1200	1500	37	5700		5826	130	
CIR-150036D-0123535-657-1x12	12	350	1500	34	6500	70	1968	165	
	17	500	1500	35	6500		2729	157	
	25	700	1500	36	6500		3674	147	
	37	1000	1500	37	6500		4969	135	
	45	1200	1500	37	6500		5770	129	

All above data are at 25°C



ADURA Ordering Code	Typical Wattage (W)	OPERATING CURRENT		Input Voltage (Vdc)	CCT (Kelvin)	CRI	Typical Lumen (lm)	Typical Lumens Per Watt (LPW)	Dimensions Inch(mm)
		Nominal Current (mA)	Max Current (mA)						
CIR-150036D-0123535-278-1x12	12	350	1500	34	2700	80	1625	137	2.597" (66mm)
	17	500	1500	35	2700		2252	129	
	25	700	1500	36	2700		3027	121	
	37	1000	1500	37	2700		4080	111	
	45	1200	1500	37	2700		4731	106	
CIR-150036D-0123535-308-1x12	12	350	1500	34	3000	80	1715	144	
	17	500	1500	35	3000		2377	137	
	25	700	1500	36	3000		3194	128	
	37	1000	1500	37	3000		4305	117	
	45	1200	1500	37	3000		4992	112	
CIR-150036D-0123535-358-1x12	12	350	1500	34	3500	80	1792	151	
	17	500	1500	35	3500		2483	143	
	25	700	1500	36	3500		3337	133	
	37	1000	1500	37	3500		4498	123	
	45	1200	1500	37	3500		5215	117	
CIR-150036D-0123535-408-1x12	12	350	1500	34	4000	80	1805	152	
	17	500	1500	35	4000		2501	144	
	25	700	1500	36	4000		3360	134	
	37	1000	1500	37	4000		4530	123	
	45	1200	1500	37	4000		5252	118	
CIR-150036D-0123535-458-1x12	12	350	1500	34	4500	80	1824	153	
	17	500	1500	35	4500		2527	145	
	25	700	1500	36	4500		3396	136	
	37	1000	1500	37	4500		4578	125	
	45	1200	1500	37	4500		5308	119	
CIR-150036D-0123535-508-1x12	12	350	1500	34	5000	80	1789	150	
	17	500	1500	35	5000		2481	143	
	25	700	1500	36	5000		3340	134	
	37	1000	1500	37	5000		4517	123	
	45	1200	1500	37	5000		5245	117	
Color Rendering Index (CRI) 90									
CIR-150036D-0123535-279-1x12	12	350	1500	34	2700	90	1137	96	2.597" (66mm)
	17	500	1500	35	2700		1579	91	
	25	700	1500	36	2700		2120	85	
	37	1000	1500	37	2700		2853	78	
	45	1200	1500	37	2700		3313	74	
CIR-150036D-0123535-309-1x12	12	350	1500	34	3000	90	1227	103	
	17	500	1500	35	3000		1704	98	
	25	700	1500	36	3000		2288	92	
	37	1000	1500	37	3000		3079	84	
	45	1200	1500	37	3000		3575	80	
CIR-150036D-0123535-359-1x12	12	350	1500	34	3500	90	1304	110	
	17	500	1500	35	3500		1811	104	
	25	700	1500	36	3500		2431	97	
	37	1000	1500	37	3500		3272	89	
	45	1200	1500	37	3500		3800	85	

Disclaimer: Adura LED Solutions (ALS) provides this engineering data for design guidance only. Users of ALS technology are reminded that they bear the responsibility for testing for their applications. Any information furnished by ALS, its licensees and representative is believed to be accurate, but users of the technology must bear all responsibility for the use and testing of the product since ALS, its licensees and representatives cannot be aware of all potential uses. ALS makes no warranties as to the applicability, fitness or suitability of ALS technology for any specific or general uses. ALS shall not be liable for incidental or consequential damages of any kind.

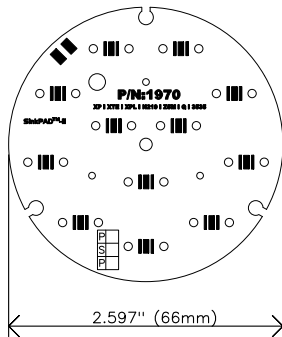
All above data are at 25°C



ADURA Ordering Code	Typical Wattage (W)	OPERATING CURRENT		Input Voltage (Vdc)	CCT (Kelvin)	CRI	Typical Lumen (lm)	Typical Lumens Per Watt (LPW)	Dimensions Inch(mm)
		Nominal Current (mA)	Max Current (mA)						
CIR-150036D-0123535-409-1x12	12	350	1500	34	4000	90	1355	114	2.597" (66mm)
	17	500	1500	35	4000		1882	108	
	25	700	1500	36	4000		2527	101	
	37	1000	1500	37	4000		3401	93	
	45	1200	1500	37	4000		3950	88	

All above data are at 25°C

Mechanical Drawing for CIR-150036D-0123535-xxx-1x12



CIR-150036D-0123535-277-1x12

Board Type	Driving Current(mA)	Voltage(vdc)	Series Type	No. of LED	Type of LED	CCT	CRI	Series /Parallel Configuration
CIR	1500	036	D	012	3535	27	7	1x12

Board Types: LINEAR(LIN), SQUARE(SQR), CIRCULAR(CIR), STRIP(STRIP), STAR(STAR), CUSTOM

Series Types: R = **Ruby**, E = **Emerald**, D = **Diamond**

Number LED: 004=4, 012 = 12, 033 = 33, 100 =100

CCT: 27=2700K, 30=3000K, 35=3500K, 40=4000K, 45=4500K, 50=5000K, 57=5700K, 65=6500K

CRI: N=N/A, 6=60, 7=70, 8=80, 9=90

Configuration: 1x4 = 4 LED in Series / 2x6= 2 Rows of six LEDs in Parallel

Notes:

- Boards Tested at Ts = 25 °C
- Forward voltage Tolerances:± 0.2V
- Luminous Flux Tolerances:± 0.5%
- Color Rendering Index Tolerance (Ra): ± 2
- Color Rendering Index Tolerance (R9): ± 4
- Incorrect wiring may damage the LED module.
- All data is related to the entire module. Data reflects standard mean values.
- Actual data may differ depending on Variance in the LED and manufacturing process.
- Performance values were taken at steady state.
- Instant-ON measurement may be higher
- Exceeding maximum rating may damage the LED Light engine and cause potential safety hazard
- Elevated operating temperatures can damage the board, LEDs and life in terms of lumen output.

Ver2
18-06-16