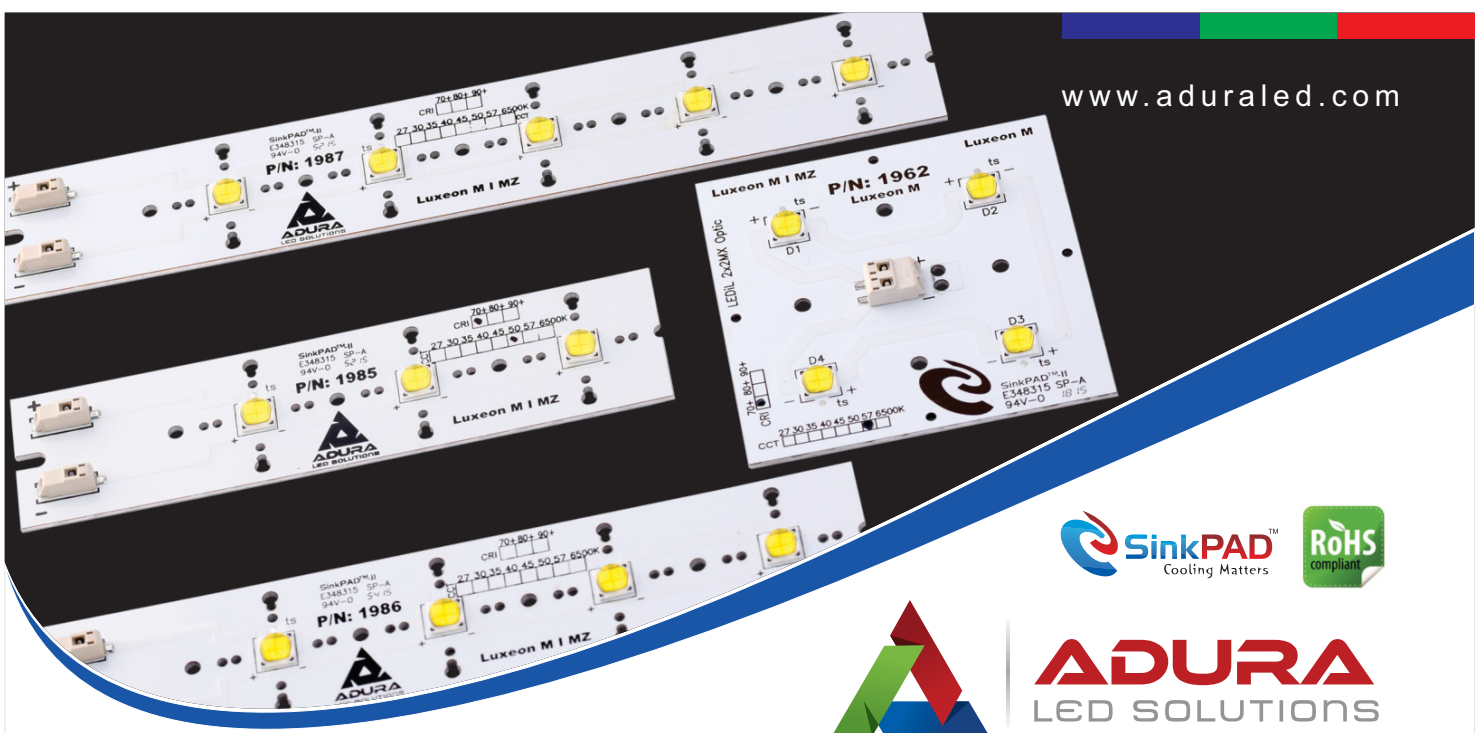




ADURA
LED SOLUTIONS

LUX-M is our leading Luxeon-M Product offering using SinkPAD™ PCB Technology that gives our customers a competitive advantage. ADURA creates the most impactful lighting and delivers exceptional lumen performance in easy to use platform with high reliability.

SinkPAD™ Technology: A PCB with SinkPAD™ technology offers the highest thermal conductivity in the industry; in excess of 200 W/m.k. it has 200 to 385 W/m.k thermal conductivity. As a result, the LEDs run substantially cooler, increase lumen per watt, increase life and increase reliability.

SPECIFICATIONS	Module TYPE	LUX-M
	PCB Technology	SinkPAD™-II, Thermal Conductivity > 200 W/m.k.
	Number of LEDs	1, 3, 4, 5 LEDs
	Type of LED	LUXEON M (3V, 6V, 12V)
	CCT	3000K, , 4000K, , 5000K,
	CRI	70+, 80+, 90+
	Operating Current (IF)	700mA, 1400mA, 2800mA (see Specification below for specific product driving current)
	Typical Wattage	8, 25, 36, 42W Versions

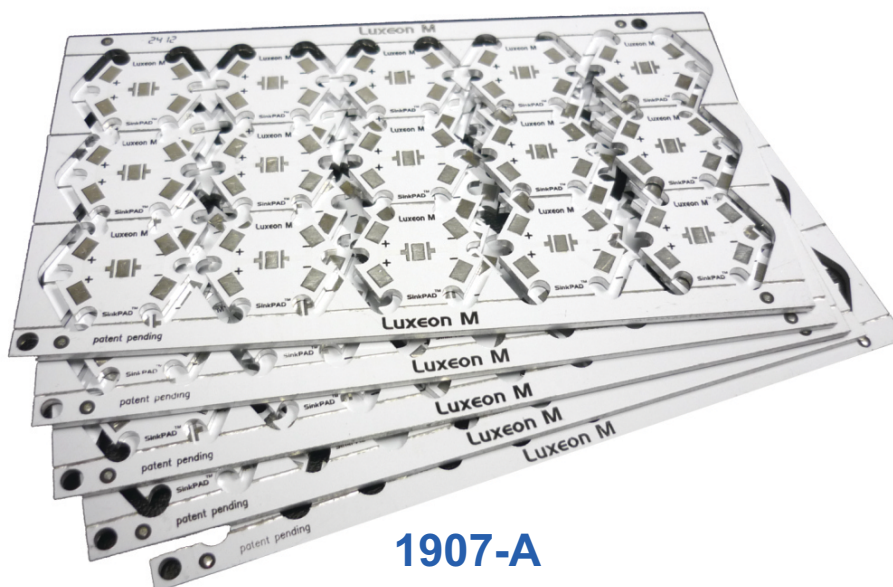


PRODUCT FEATURES

- ✓ Built on SinkPAD™-II PCB Technology, > 200 W/m.k. Thermal Conductivity
- ✓ High efficacy, High Lumen output performance ranges
- ✓ Broad range of CCT options
- ✓ CRI options include minimum 70+, 80+, and 90+
- ✓ Reliable operation at nominal drive current
- ✓ Compatible with Third Party Optics
- ✓ Option for wire soldering or Connector
- ✓ Top side part number, CCT & CRI markings
- ✓ UL Recognized Board and Components
- ✓ Broad range of application coverage for interior and exterior lighting

APPLICATIONS

- Street Lighting
- Area Lighting
- High Bay& Low Bay
- Low Bay
- Parking Lighting
- Architectural Lighting
- Specialty Lighting
- Wall Pack Lighting
- Stadium Lighting



1907-A

ADURA ORDERING CODE	Typical Wattage (W)	OPERATING CURRENT		Typical Input Voltage (Vdc)	CCT (Kelvin)	CRI	Typical Lumen (lm)	Typical Lumens Per Watt (LPW)	Dimensions Inch(mm)
		Typical Current (If)	Max Current (mA)						
STAR-105012D-01LUXM-307-1x1	8.5	700	1050	12.0	3000	70	1000	118	0.832"x0.784" [21.0x19.90mm]
STAR-105012D-01LUXM-407-1x1	8.5				4000		1075	126	
STAR-105012D-01LUXM-507-1x1	8.5				5000		1100	129	
STAR-105012D-01LUXM-308-1x1	8.5				3000	80	800	94	
STAR-105012D-01LUXM-408-1x1	8.5				4000		850	100	
STAR-105012D-01LUXM-508-1x1	8.5				5000		870	102	
STAR-105012D-01LUXM-309-1x1	8.5				3000	90	660	78	
STAR-105012D-01LUXM-409-1x1	8.5				4000		735	86	
STAR-210006D-01LUXM-307-1x1	8.5	1400	2100	6.0	3000	70	1000	118	
STAR-210006D-01LUXM-407-1x1	8.5				4000		1075	126	
STAR-210006D-01LUXM-507-1x1	8.5				5000		1100	129	
STAR-210006D-01LUXM-308-1x1	8.5				3000	80	800	94	
STAR-210006D-01LUXM-408-1x1	8.5				4000		850	100	
STAR-210006D-01LUXM-508-1x1	8.5				5000		870	102	
STAR-210006D-01LUXM-309-1x1	8.5				3000	90	660	78	
STAR-210006D-01LUXM-409-1x1	8.5				4000		735	86	
STAR-420003D-01LUXM-307-1x1	8.5	2800	4200	3.0	3000	70	1000	118	
STAR-420003D-01LUXM-407-1x1	8.5				4000		1075	126	
STAR-420003D-01LUXM-507-1x1	8.5				5000		1100	129	
STAR-420003D-01LUXM-308-1x1	8.5				3000	80	800	94	
STAR-420003D-01LUXM-408-1x1	8.5				4000		850	100	
STAR-420003D-01LUXM-508-1x1	8.5				5000		870	102	
STAR-420003D-01LUXM-309-1x1	8.5				3000	90	660	78	
STAR-420003D-01LUXM-409-1x1	8.5				4000		735	86	



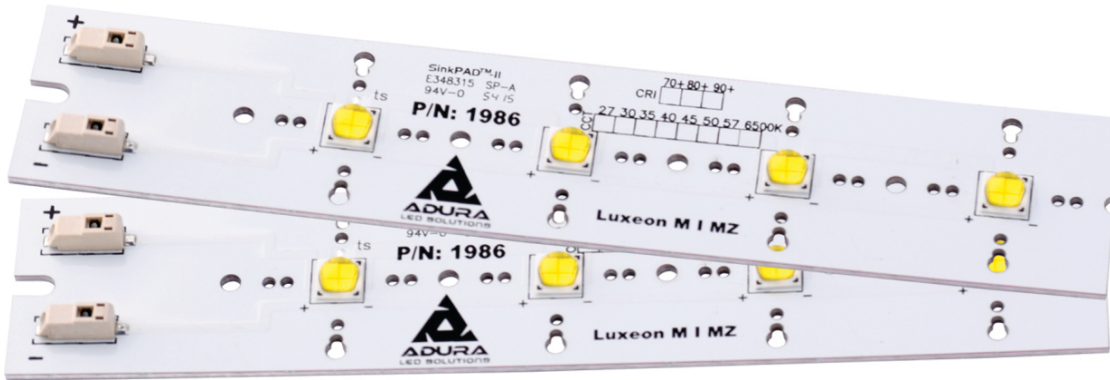
1962-A

ADURA ORDERING CODE	Typical Wattage (W)	OPERATING CURRENT		Typical Input Voltage (Vdc)	CCT (Kelvin)	CRI	Typical Lumen (lm)	Typical Lumens Per Watt (LPW)	Dimensions Inch(mm)
		Typical Current (If)	Max Current (mA)						
SQR-105048D-04LUXM-307-1x4	33.6	700	1050	48.0	3000	70	4000	119	2.874"x2.874" [73.0x73.0mm]
SQR-105048D-04LUXM-407-1x4	33.6				4000		4300	128	
SQR-105048D-04LUXM-507-1x4	33.6				5000		4400	131	
SQR-105048D-04LUXM-308-1x4	33.6				3000	80	3200	95	
SQR-105048D-04LUXM-408-1x4	33.6				4000		3400	101	
SQR-105048D-04LUXM-508-1x4	33.6				5000		3480	104	
SQR-105048D-04LUXM-309-1x4	33.6				3000	90	2640	79	
SQR-105048D-04LUXM-409-1x4	33.6				4000		2940	88	
SQR-210024D-04LUXM-307-1x4	33.6	1400	2100	24.0	3000	70	4000	119	
SQR-210024D-04LUXM-407-1x4	33.6				4000		4300	128	
SQR-210024D-04LUXM-507-1x4	33.6				5000		4400	131	
SQR-210024D-04LUXM-308-1x4	33.6				3000	80	3200	95	
SQR-210024D-04LUXM-408-1x4	33.6				4000		3400	101	
SQR-210024D-04LUXM-508-1x4	33.6				5000		3480	104	
SQR-210024D-04LUXM-309-1x4	33.6				3000	90	2640	79	
SQR-210024D-04LUXM-409-1x4	33.6				4000		2940	88	
SQR-420012D-04LUXM-307-1x4	33.6	2800	4200	12.0	3000	70	4000	119	
SQR-420012D-04LUXM-407-1x4	33.6				4000		4300	128	
SQR-420012D-04LUXM-507-1x4	33.6				5000		4400	131	
SQR-420012D-04LUXM-308-1x4	33.6				3000	80	3200	95	
SQR-420012D-04LUXM-408-1x4	33.6				4000		3400	101	
SQR-420012D-04LUXM-508-1x4	33.6				5000		3480	104	
SQR-420012D-04LUXM-309-1x4	33.6				3000	90	2640	79	
SQR-420012D-04LUXM-409-1x4	33.6				4000		2940	88	



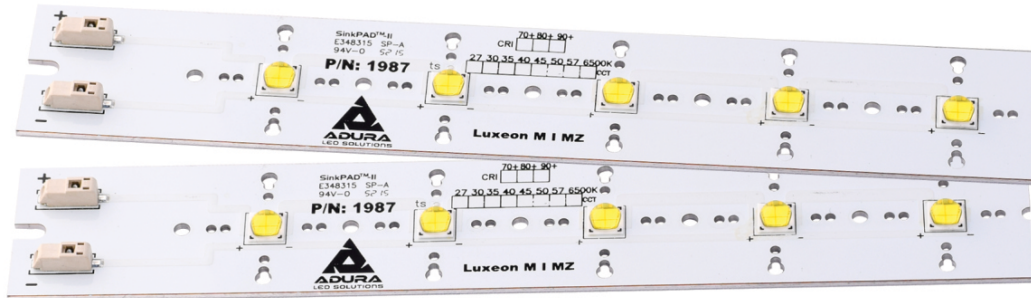
1985-A

ADURA ORDERING CODE	Typical Wattage (W)	OPERATING CURRENT		Typical Input Voltage (Vdc)	CCT (Kelvin)	CRI	Typical Lumen (lm)	Typical Lumens Per Watt (LPW)	Dimensions Inch(mm)
		Typical Current (If)	Max Current (mA)						
LIN-105036D-03LUXM-307-1x3	25.2	700	1050	36.0	3000	70	3000	119	5.197" x 1.299" [132mm x 33mm]
LIN-105036D-03LUXM-407-1x3	25.2				4000		3225	128	
LIN-105036D-03LUXM-507-1x3	25.2				5000		3300	131	
LIN-105036D-03LUXM-308-1x3	25.2				3000	80	2400	95	
LIN-105036D-03LUXM-408-1x3	25.2				4000		2550	101	
LIN-105036D-03LUXM-508-1x3	25.2				5000		2610	104	
LIN-105036D-03LUXM-309-1x3	25.2				3000	90	1980	79	
LIN-105036D-03LUXM-409-1x3	25.2				4000		2205	88	
LIN-210018D-03LUXM-307-1x3	25.2	1400	2100	18.0	3000	70	3000	119	
LIN-210018D-03LUXM-407-1x3	25.2				4000		3225	128	
LIN-210018D-03LUXM-507-1x3	25.2				5000		3300	131	
LIN-210018D-03LUXM-308-1x3	25.2				3000	80	2400	95	
LIN-210018D-03LUXM-408-1x3	25.2				4000		2550	101	
LIN-210018D-03LUXM-508-1x3	25.2				5000		2610	104	
LIN-210018D-03LUXM-309-1x3	25.2				3000	90	1980	79	
LIN-210018D-03LUXM-409-1x3	25.2				4000		2205	88	
LIN-420009D-03LUXM-307-1x3	25.2	2800	4200	9.0	3000	70	3000	119	
LIN-420009D-03LUXM-407-1x3	25.2				4000		3225	128	
LIN-420009D-03LUXM-507-1x3	25.2				5000		3300	131	
LIN-420009D-03LUXM-308-1x3	25.2				3000	80	2400	95	
LIN-420009D-03LUXM-408-1x3	25.2				4000		2550	101	
LIN-420009D-03LUXM-508-1x3	25.2				5000		2610	104	
LIN-420009D-03LUXM-309-1x3	25.2				3000	90	1980	79	
LIN-420009D-03LUXM-409-1x3	25.2				4000		2205	88	



1986-A

ADURA ORDERING CODE	Typical Wattage (W)	OPERATING CURRENT		Typical Input Voltage (Vdc)	CCT (Kelvin)	CRI	Typical Lumen (lm)	Typical Lumens Per Watt (LPW)	Dimensions Inch(mm)
		Typical Current (If)	Max Current (mA)						
LIN-105048D-04LUXM-307-1x4	33.6	700	1050	48.0	3000	70	4000	119	6.496" x 1.299" [165mm x 33mm]
LIN-105048D-04LUXM-407-1x4	33.6				4000		4300	128	
LIN-105048D-04LUXM-507-1x4	33.6				5000		4400	131	
LIN-105048D-04LUXM-308-1x4	33.6				3000	80	3200	95	
LIN-105048D-04LUXM-408-1x4	33.6				4000		3400	101	
LIN-105048D-04LUXM-508-1x4	33.6				5000		3480	104	
LIN-105048D-04LUXM-309-1x4	33.6				3000	90	2640	79	
LIN-105048D-04LUXM-409-1x4	33.6				4000		2940	88	
LIN-210024D-04LUXM-307-1x4	33.6	1400	2100	24.0	3000	70	4000	119	
LIN-210024D-04LUXM-407-1x4	33.6				4000		4300	128	
LIN-210024D-04LUXM-507-1x4	33.6				5000		4400	131	
LIN-210024D-04LUXM-308-1x4	33.6				3000	80	3200	95	
LIN-210024D-04LUXM-408-1x4	33.6				4000		3400	101	
LIN-210024D-04LUXM-508-1x4	33.6				5000		3480	104	
LIN-210024D-04LUXM-309-1x4	33.6				3000	90	2640	79	
LIN-210024D-04LUXM-409-1x4	33.6				4000		2940	88	
LIN-420012D-04LUXM-307-1x4	33.6	2800	4200	12.0	3000	70	4000	119	
LIN-420012D-04LUXM-407-1x4	33.6				4000		4300	128	
LIN-420012D-04LUXM-507-1x4	33.6				5000		4400	131	
LIN-420012D-04LUXM-308-1x4	33.6				3000	80	3200	95	
LIN-420012D-04LUXM-408-1x4	33.6				4000		3400	101	
LIN-420012D-04LUXM-508-1x4	33.6				5000		3480	104	
LIN-420012D-04LUXM-309-1x4	33.6				3000	90	2640	79	
LIN-420012D-04LUXM-409-1x4	33.6				4000		2940	88	



1987-A

ADURA ORDERING CODE	Typical Wattage (W)	OPERATING CURRENT		Typical Input Voltage (Vdc)	CCT (Kelvin)	CRI	Typical Lumen (lm)	Typical Lumens Per Watt (LPW)	Dimensions Inch(mm)
		Typical Current (If)	Max Current (mA)						
LIN-105060D-05LUXM-307-1x5	42.5	700	1050	60.0	3000	70	5000	118	7.795" x 1.299" [198mm x 33mm]
LIN-105060D-05LUXM-407-1x5	42.5				4000		5375	126	
LIN-105060D-05LUXM-507-1x5	42.5				5000		5500	129	
LIN-105060D-05LUXM-308-1x5	42.5				3000	80	4000	94	
LIN-105060D-05LUXM-408-1x5	42.5				4000		4250	100	
LIN-105060D-05LUXM-508-1x5	42.5				5000		4350	102	
LIN-105060D-05LUXM-309-1x5	42.5				3000	90	3300	78	
LIN-105060D-05LUXM-409-1x5	42.5				4000		3675	86	
LIN-210030D-05LUXM-307-1x5	42.5	1400	2100	30.0	3000	70	5000	118	
LIN-210030D-05LUXM-407-1x5	42.5				4000		5375	126	
LIN-210030D-05LUXM-507-1x5	42.5				5000		5500	129	
LIN-210030D-05LUXM-308-1x5	42.5				3000	80	4000	94	
LIN-210030D-05LUXM-408-1x5	42.5				4000		4250	100	
LIN-210030D-05LUXM-508-1x5	42.5				5000		4350	102	
LIN-210030D-05LUXM-309-1x5	42.5				3000	90	3300	78	
LIN-210030D-05LUXM-409-1x5	42.5				4000		3675	86	
LIN-420015D-05LUXM-307-1x5	42.5	2800	4200	15.0	3000	70	5000	118	
LIN-420015D-05LUXM-407-1x5	42.5				4000		5375	126	
LIN-420015D-05LUXM-507-1x5	42.5				5000		5500	129	
LIN-420015D-05LUXM-308-1x5	42.5				3000	80	4000	94	
LIN-420015D-05LUXM-408-1x5	42.5				4000		4250	100	
LIN-420015D-05LUXM-508-1x5	42.5				5000		4350	102	
LIN-420015D-05LUXM-309-1x5	42.5				3000	90	3300	78	
LIN-420015D-05LUXM-409-1x5	42.5				4000		3675	86	

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.



LIN-105036D-03LUXM-307-1x3

Board Type	Driving Current(mA)	Voltage(vdc)	Series Type	No. of LED	Type of LED	CCT	CRI	Series /Parallel Configuration
LIN	1050	36	D	03	LUXM	30	7	1 x 3

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

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.

Ver1
02-11-16

07