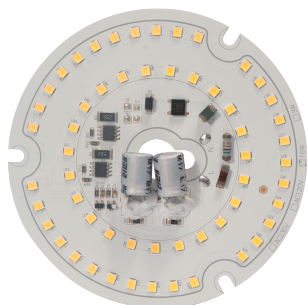


AC LED Light Engine Specification FF Round



- High total efficiency up to 120lm/W
- Various CCT available: 2700/3000/3500/4000/5000/5700/6500K
- CRI:80/90/95 options
- Macadam 3/5 steps color bin
- Solutions for Down light/Ceiling light
- AC line voltage 120V /230V input directly
- Power factor higher than 0.9
- Low THDI:<18% • TRIAC dimmable

General Application



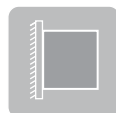
Down light



Ceiling light



Pendant light



Wall light

Applied standards



EN 62321
EMC: EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3
EMI: EN55015 EN61000-3-2 EN61000-3-3



EMS: EN61547
EMF: EN62493
LVD: EN62471 EN62031

Mechanical dimension (Unit: mm)

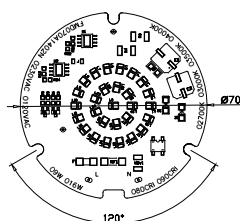


Fig1: RL-XMD070A series outline

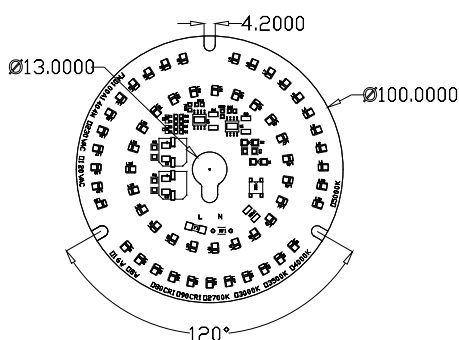


Fig2: RL-XMD100A series outline

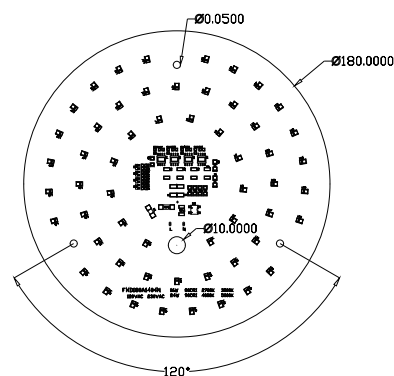


Fig3: RL-XMD180A series outline

General information

P/N	Size	Input	Power	PF	Flux	Efficiency	CCT	CRI	Dimming
	mm	Vac	W	-	Lm	Lm/W	K	-	-
RL-LMD70A1402N009-930FF	Ø70	120	16	0.95	1360	90	3000	90	TRIAC
RL-LMD100A1404N009-930FF	Ø100	120	16	0.95	1440	95	3000	90	TRIAC
RL-LMD180A1404N023-930FF	Ø180	120	23	0.95	1955	90	3000	90	TRIAC
RL-HMD70A2801H016-840FF	Ø70	230	16	0.9	1760	110	4000	80	TRIAC FF
RL-HMD100A2802H016-840FF	Ø100	230	16	0.9	1840	115	4000	80	TRIAC FF
RL-HMD180A2802H023-840FF	Ø180	230	23	0.9	2530	110	4000	80	TRIAC FF

Note: 1-Variou CCT available (2700-6500K) ; RL-XXXXXXXXXXXX-840X (8-80CRI;40-4000K CCT)

2-Typical Optical-electronic parameters above @ Ta=25 °C

Selection guide

P/N	Size	Input	Power	PF	Flux	Efficiency	CCT	CRI	Dimming
	mm	Vac	W	-	Lm	Lm/W	K	-	-
RL-HMD70A2801H016-827FF	Ø70	230	16	>0.9	1520	95	2700	80	TRIAC Flicker-free
RL-HMD70A2801H016-830FF					1600	100	3000		
RL-HMD70A2801H016-840FF					1680	105	3500		
RL-HMD70A2801H016-850FF					1680	105	4000		
RL-LMD70A1402H009-827FF	Ø70	120	9	>0.9	855	95	2700	80	TRIAC Flicker-free
RL-LMD70A1402H009-830FF					900	100	3000		
RL-LMD70A1402H009-840FF					990	110	3500		
RL-LMD70A1402H009-850FF					990	110	4000		
RL-HMD100A2802H016-827FF	Ø100	230	16	>0.9	1680	105	2700	80	TRIAC Flicker-free
RL-HMD100A2802H016-830FF					1760	110	3000		
RL-HMD100A2802H016-840FF					1840	115	4000		
RL-HMD100A2802H016-850FF					1840	115	5000		
RL-HMD100A2802H016-827FF	Ø100	120	9	>0.9	945	105	2700	80	TRIAC Flicker-free
RL-HMD100A2802H016-830FF					990	110	3000		
RL-HMD100A2802H016-840FF					1035	115	4000		
RL-HMD100A2802H016-850FF					1035	115	5000		
RL-HMD180A2802H016-827FF	Ø180	230	23	>0.9	2185	95	2700	80	TRIAC Flicker-free
RL-HMD180A2802H016-830FF					2300	100	3000		
RL-HMD180A2802H016-840FF					2415	105	3500		
RL-HMD180A2802H016-850FF					2415	105	4000		
RL-HMD180A1404H016-827FF	Ø180	120	23	>0.9	2185	95	2700	90	TRIAC Flicker-free
RL-HMD180A1404H016-830FF					2300	100	3000		
RL-HMD180A1404H016-840FF					2415	105	3500		
RL-HMD180A1404H016-850FF					2415	105	4000		