

General information

P/N	Size	Input	Power	PF	Flux	Efficiency	CCT	CRI	Dimming
	mm	Vac	W	-	Lm	Lm/W	K	-	-
RL-LMD70A2201N016-930FB	Ø70	120	16	0.95	1360	90	3000	90	TRIAC
RL-LMD100A2202N016-930FB	Ø100	120	16	0.95	1440	95	3000	90	TRIAC
RL-LMD180A2202N023-930FB	Ø180	120	23	0.95	1955	90	3000	90	TRIAC

Note: 1-Variety 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-LMD70A2201N016-930FB	Ø70	120	16	>0.95	1200	80	2700	90	TRIAC
RL-LMD70A2201N016-927FB					1200	85	3000		
RL-LMD70A2201N016-940FB					1360	90	4000		
RL-LMD70A2201N016-950FB					1360	90	5000		
RL-LMD100A2202N016-927FB	Ø100	120	16	>0.95	1440	90	2700	90	TRIAC
RL-LMD100A2202N016-930FB					1520	95	3000		
RL-LMD100A2202N016-940FB					1600	100	4000		
RL-LMD100A2202N016-950FB					1600	100	5000		
RL-LMD180A2202N016-927FB	Ø180	120	23	>0.95	1840	80	2700	90	TRIAC
RL-LMD180A2202N016-930FB					1955	85	3000		
RL-LMD180A2202N016-940FB					2070	90	4000		
RL-LMD180A2202N016-950FB					2070	90	5000		

General information

Input	100-130Vac
Frequency	50/60Hz
Rated power	Typical power (±10% tolerance)
PF	>0.95
Protection	IP20
Surge level	2.5KV
Hi-pot	1.5KVac
Storage temperature	-30-85 °C
Operation temperature	-30-80 °C (Ts ofled components)
Beam Angle	120 deg
Flicker index	<30% (RL-LMDxxxxxxx series only , according to North American T24 requirement)

EMC report

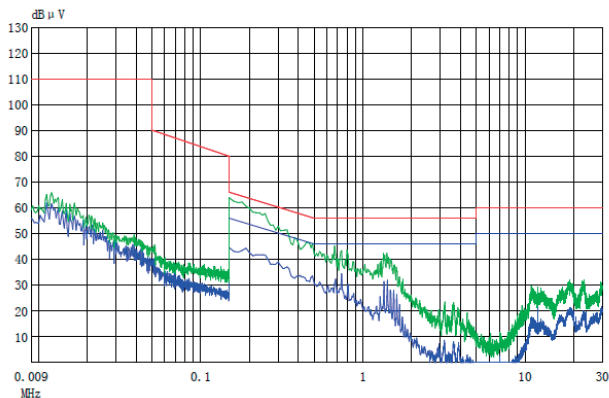


Fig4: RL-LMD series

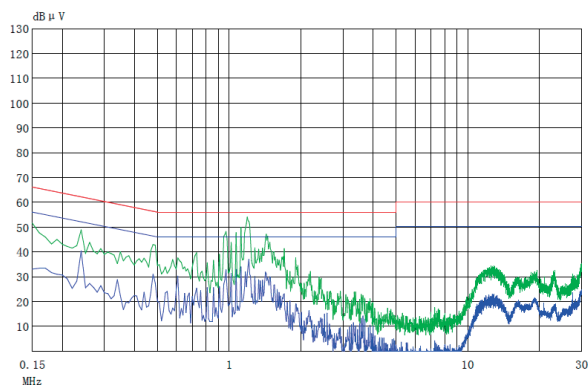
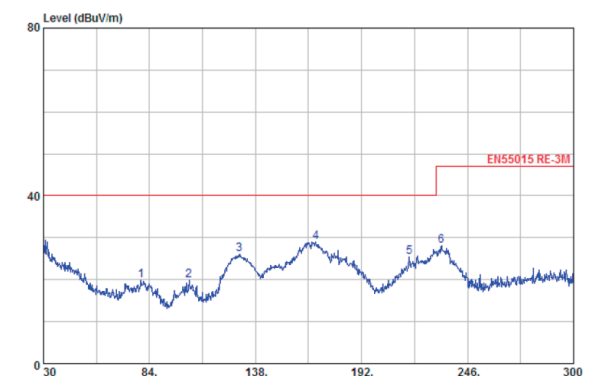
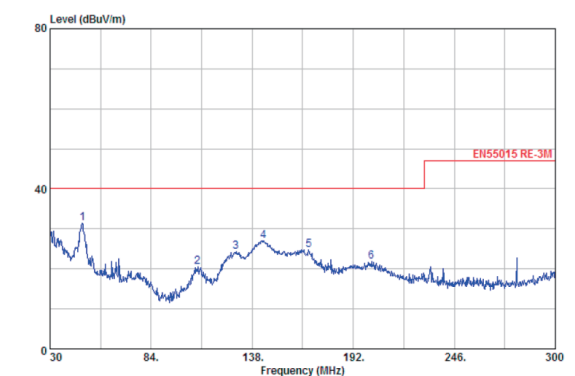
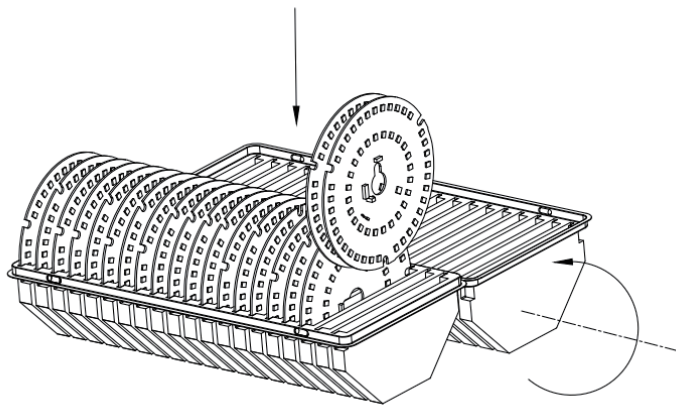


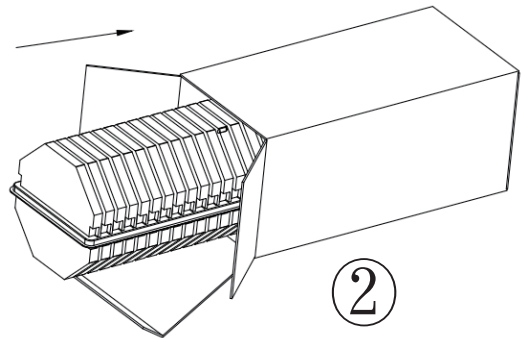
Fig5: RL-HMD series



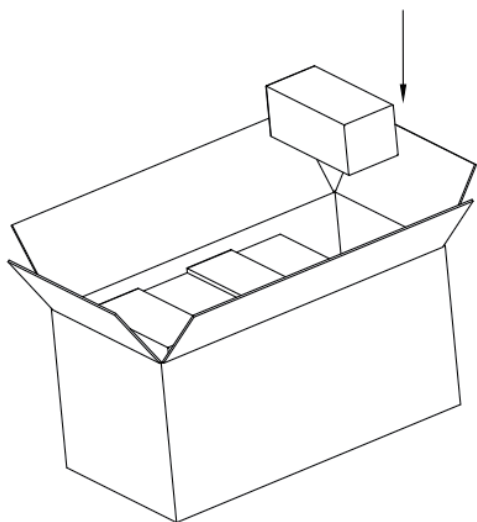
Package



①



②



③

Dimming range

P/N	Dimmer & Dimming level			Visible Flickering
	LUTRON CTCC-153P	CLIPSAL KB31RD400	CLIPSAL 630W	
RL-HMD70A2801H016-840TB	2.4%			NO
RL-HMD100A2802H016-840TB	2%			NO
RL-HMD180A2802H023-840TB	2%			NO

Line regulation

P/N	Voltage-Vac Vs Power-Watt							
	108Vac	120Vac	132Vac	144Vac	207Vac	230Vac	253Vac	264Vac
RL-HMD70A2801H016-840TB	14.2	15.9	16.5	16				
RL-HMD100A2802H016-840TB	13.8	15.8	16.5	16.2				
RL-HMD180A2802H023-840TB	21.9	23	22.9	21.8				



Safety Information

1. The LED module and all its components shall not be subjected to mechanical stress.
2. Correct electrical polarity, otherwise module may be damaged .
3. Ensure the power supply is suitable for the total load.
4. Electrostatic Discharge (ESD) precautions shall be incorporated when handling or installing the module.
5. Installation of LED modules shall refer to all applicable electrical and safety standards.
6. Suitable for luminaire of protection class 1, grounding is mandatory to comply with safety standards.
7. The AC light engine needs to be mounted to a heat sink with a thermal interface material between them.
8. It is better to use the AC led module with safety cover.
9. Modules may be hot to touch. Use caution when handling.



Specialized
LED Strip Manufacturer

Shenzhen
Relight Technology Co.,Ltd

6th Floor, Building A, Guancheng Industrial Park, Gongming Town,
Guangming District, Shenzhen, China

Tel: 86 0755 3369 1713
Web: www.relight-tech.com
E-mail: Sales@relight-tech.com