

Specification

Product Material No. : _____

Model: LF-FMR060YS

Version:	V1.0	

Customer Approval

Examined by	Reviewed by	Approved by

LIFUD Approval

Drafted by	Reviewed by	Approved by
Liao Xinggao		Zhu Jungao

Models Chosen by the Customer

Full model name	Full model name	
Full model name	Full model name	

E.C. List

Version	Description of Change	R&D	Date
1.0	Formal version	Li Long	2019-07-24







Product Description

With a linear metal casing; two-stage circuit design; flicker free; adjustable output current (DIP switch); high efficiency.

Product Feature

• Main feature: metal casing; cost effective; adjustable output current (DIP switch)

Application

Linear light

Technical Data

F	ull Model Number		LF-FM	R060YS		
	Output Voltage		115-172V			
	Output Current	The output current	is selectable via a D	IP switch. Refer to th	e DIP switch table.	
	Output Current	350mA	300mA	250mA	200mA	
	Ripple Voltage	<1V @ 20MHz				
Output	Percent Flicker	<1%				
	Current Tolerance	±5%				
	Temperature Drift	±10%	±10%			
	Line Regulation	±5%				
	Start-up Time	<0.5s @ 230VAC				
	Line Regulation	±5%				
	Rated Input Voltage	220-240VAC (voltag	e limit: 198-264VAC)		
	Rated DC Input Voltage	1				
Input	Input Frequency Range	47-63Hz				
mput	Input Current	0.33A Max.	0.33A Max.			
		≥0.95 / 198VAC				
	Power Factor	≥0.93 / 230VAC				
		≥0.90 / 264VAC				

www.lifud.com | Technical support: China (HQ): +86 755 8373 9299

LF-FMR060YS EU-Standard, Linear-Metal-Casing, Non-Isolated & Flicker-Free LED Power Supply

Efficiency 291% / 198VAC 291% / 198VAC 290% / 198VAC 290% / 198VAC 290% / 200VAC 291% / 200VAC 291% / 200VAC 291% / 200VAC 291% / 200VAC 290% / 200VAC 200% / 200VAC		Total Harmonic Distortion	≤20%				
Bit State Second State <td></td> <td></td> <td>≥91% / 198VAC</td> <td>≥91% / 198VAC</td> <td>≥90% / 198VAC</td> <td>≥90% / 198VAC</td>			≥91% / 198VAC	≥91% / 198VAC	≥90% / 198VAC	≥90% / 198VAC	
Inrush Current s29A & 260uS @ 230VAC (Max.) Quanity of the same model of power supply that can be configured by a circuit breaker. Inder the condition of 230VAC (Max.) Standby Power Consumption s1W Single Harmonic Distortion / Input Overvoltage Protection / Input Overvoltage Protection / Output Den-Circuit Protection / Output Den-Circuit Protection / Output Overvoltage Protection / Vorking Temperature Protection / Over-Temperature Protection / Vorking Temperature Protection / Vorking Temperature/Humidity 20-09x/RH (no condensation) Storage Temperature/Humidity 20-02 - 85°C (aix months under class I environment); Over-Temperature/Function / <t< td=""><td></td><td>Efficiency</td><td>≥92% / 230VAC</td><td>≥92% / 230VAC</td><td>≥91% / 230VAC</td><td>≥90% / 230VAC</td></t<>		Efficiency	≥92% / 230VAC	≥92% / 230VAC	≥91% / 230VAC	≥90% / 230VAC	
Augentity of the same model oper supply that can be condition of 230VAC. the total quantity of the same model of power supply that can be configured by a type-B 16A circuit breaker is 14 pcs. Standby Power Consumption ≤1W Single Harmonic Distortion / Input Overvoltage Protection / Input Overvoltage Protection / Output Open-Circuit Protection / Output Open-Circuit Protection Hiccup mode (auto-recovery) Output Overvoltage Protection / Vorking Temperature Protection / Storage Temperature Protection / Voration Condensation) 00°C - 85°C (six months under class I environment); 10-95%RH (no condensation) 0 Storage Temperature Protection / Vibration Certificate TUV, CE, RCM, ENEC, CCC			≥92% / 264VAC	≥92% / 264VAC	≥91% / 264VAC	≥90% / 264VAC	
Safety & Control that can be configured by a circuit breaker. Supply that can be configured by a type-B 16A circuit breaker is 14 pcs. Standby Power Consumption stW Single Harmonic Distortion / Input Overvoitage Protection / Input Overvoitage Protection / Output Short-Circuit Protection / Output Overvoitage Protection / Output Overvoitage Protection / Output Overvoitage Protection / Output Overvoitage Protection / Output Undervoitage Protection / Output Undervoitage Protection / Output Overvoitage Protection / Output Overvoitage Protection / Output Undervoitage / Vorting Temperature Protection / Over-Temperature Protection / Vorting Humidity 20-90%RH (no condensation) Storage Temperature/Humidity -60°C + 85°C (six months under class Lenvironment); Condition Storage Temperature -80°C + 85°C (six months under class Lenvironment); Vibration Displacement amplitude: 5Hz - 9Hz 1.2mm; ac		Inrush Current	≤29A & 260uS @ 2	30VAC (Max.)			
Single Harmonic Distortion / Single Harmonic Distortion / Input Overvoltage Protection / Input Undervoltage Protection / Output Short-Circuit Protection <310V		power supply that can be					
Input Overvoitage Protection / Input Undervoitage Protection / Output Short-Circuit Protection / Output Open-Circuit Protection Output Overvoitage Protection / Over-Temperature Protection / Over-Temperature Protection / Vore-Temperature Protection / Storage Temperature/Humidity 20-90%RH (no condensation) Storage Temperature/Humidity -90°C ~ 450°C Vibration Displacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 10; sweep-frequency: 1.0octhmir; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Vibration Certificate TUV, CE, RCM, ENEC, CCC Withstand Voltage /P-O/P: 500VDC, >100MQ Grounding Resistance Surge Rating IEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the IECB 1000-4-15 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the IECB 1000-		Standby Power Consumption	≤1W				
Protective Input Undervoltage Protection / Output Short-Circuit Protection Hiccup mode (auto-recovery) Output Open-Circuit Protection <310V		Single Harmonic Distortion					
Protective Output Short-Circuit Protection Hiccup mode (auto-recovery) Output Open-Circuit Protection <310V		Input Overvoltage Protection	1				
Protective Feature Output Open-Circuit Protection <310V Output Overvoltage Protection / ////////////////////////////////////		Input Undervoltage Protection	1				
Protective Feature Interface Output Overvoltage Protection / Output Overvoltage Protection / Output Overvoltage Protection / Over-Temperature Protection / Over-Temperature Protection / Vorking Temperature -30°C ~ +50°C Working Temperature -30°C ~ +50°C Working Temperature -50°C ~ 85°C (six months under class I environment); 10-95%RH (no condensation) Atmospheric Pressure 86-106KPa Vibration Be-106KPa Vibration Operating state and was tested according to system setting. Certificate TUV, CE, RCM, ENEC, CCC Withstand Voltage I/P-O/P: 500VDC, >100MΩ Insulation Resistance I/P-O/P: 500VDC, >100MΩ Grounding Resistance I/P-O/P: 500VDC, >100MΩ Safety & Norm Electrical Fast Transient/Burst 2.2KV (class B) Ringing wave / Ringing wave / Electromagnetic Interference EN5015, EN61000-3-2 Electromagnetic Interference EN5015, EN61000-3-2 Electromagnetic Interference EN5015, EN610		Output Short-Circuit Protection	Hiccup mode (auto	-recovery)			
Starty & Norm Output Overvoitage Protection / Output Undervoitage Protection / Output Overcurrent Protection / Over-Temperature Protection / Over-Temperature Protection / Working Temperature -30°C ~ +50°C Working Humidity 20-90%RH (no condensation) Storage Temperature/Humidity -60°C ~ 85°C (six months under class I environment); 10-95%RH (no condensation) Atmospheric Pressure 86-106KPa Displacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 1G; sweep-frequency: 1.0oc/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Vibration Oisplacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 1G; sweep-frequency: 1.0oc/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Vibration Displacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 1G; sweep-frequency: 1.0oc/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Certificate TUV, CE, RCM, ENEC, CCC Withstand Voltage I/P-O/P: 3.75KV, 5mA, 60s; I/P-PG: 1.5kV 5mA 60S Insulation Resistance I/P-O/P: 500VDC, >100MΩ Grounding Resistance<	Protective	Output Open-Circuit Protection	<310V				
Protection / Output Overcurrent Protection / Over-Temperature Protection / Vover.Temperature Protection -30°C ~ +50°C Working Temperature -30°C ~ +50°C Working Humidity 20-90%RH (no condensation) Storage Temperature/Humidity -50°C ~ 85°C (six months under class I environment); 10-95%RH (no condensation) Atmospheric Pressure 86-106KPa Vibration Displacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 10; sweep.frequency: 1.0oct/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Vibration 10; sweep.frequency: 1.00ct/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Vibration 10; sweep.frequency: 1.00ct/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Insulation Resistance I/P-O/P: 3.75KV, 5mA, 60s; I/P-PG: 1.5kV 5mA 60S Insulation Resistance I/P-O/P: 500VDC, >100MQ Grounding Resistance IEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave /		eature					
Over-Temperature Protection / Over-Temperature Protection / Working Temperature -30°C ~ +50°C Working Humidity 20-90%RH (no condensation) Storage Temperature//Humidity -50°C ~ 85°C (six months under class I environment); 10-95%RH (no condensation) Atmospheric Pressure 86-106KPa Vibration Displacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 10; sweep-frequency: 1.0oc/min, test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Certificate TUV, CE, RCM, ENEC, CCC Withstand Voltage I/P-O/P: 3.75KV, 5mA, 60s; I/P-PG: 1.5kV 5mA 60S Insulation Resistance I/P-O/P: 500VDC, >100MΩ Grounding Resistance EEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety Standard EN 61347-2-13:2014/A1:2017,EN 61347-2-13:2014 (EIS1510.1-42009,GB19510.1-42009, Electromagnetic Susceptibility Electromagnetic Interference ENS5015, EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 ENI Connect to a linear light and co			1				
Safety & Norm Working Temperature -30°C ~ +50°C Working Humidity 20-90%RH (no condensation) Storage Temperature//Humidity -50°C ~ 85°C (six months under class I environment); 10-95%RH (no condensation) Atmospheric Pressure 86-106KPa Displacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 15; sweep-frequency: 1.0cd/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Kertificate TUV, CE, RCM, ENEC, CCC Withstand Voltage I/P-O/P: 3.75KV, 5mA, 60s; I/P-PG: 1.5kV 5mA 60S Insulation Resistance I/P-O/P: 500VDC, >100MΩ Grounding Resistance IEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety Standard EIC 61347-2-13:2014/A1:2017.EN 61347-1:2015.EN 62384:2016 IEC 61347-1:2015.IE 61347-1:2015.EN 62384:2016 IEC 61347-1:2015.IE 61347-1:2019. Electromagnetic Interference EN55015. EN61000-3-2 Electromagnetic Interference EN55105. EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 ENI Connect to a linear light and connect to the earth wire		Output Overcurrent Protection	1				
Environment Condition Working Humidity 20-90%RH (no condensation) Storage Temperature/Humidity -50°C ~ 85°C (six months under class I environment); 10-95%RH (no condensation) Atmospheric Pressure 86-106KPa Vibration Displacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 10; sweep-frequency: 1.0cct/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Kertificate TUV, CE, RCM, ENEC, CCC Withstand Voltage I/P-O/P: 3.75KV, 5mA, 60s; I/P-PG: 1.5kV 5mA 60S Insulation Resistance I/P-O/P: 500VDC, >100MQ Grounding Resistance I/P-O/P: 500VDC, >100MQ Grounding Resistance I/P-O/P: 500VDC, >100MQ Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety & Norm Safety Standard Electromagnetic Interference ENS5015, EN61000-3-2 Electromagnetic Interference ENS5015, EN61000-3-2 Electromagnetic Interference ENS5015, EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire		Over-Temperature Protection	1				
Environment Condition Storage Temperature/Humidity -50°C ~ 85°C (six months under class I environment); 10-95%RH (no condensation) Atmospheric Pressure 86-106KPa Vibration Displacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 1G; sweep-frequency: 1.0cct/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Vibration Certificate TUV, CE, RCM, ENEC, CCC Withstand Voltage I/P-O/P: 3.75KV, 5mA, 60s; I/P-PG: 1.5kV 5mA 60S Insulation Resistance I/P-O/P: 500VDC, >100MΩ Grounding Resistance IEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety Standard EN 61347-2-13:2014/A1:2017.EN 61347-1:2015.EN 62384:2016 IEC 61347-1:2015,IE61347-2-3:2014,IEC 61347-2-13:2014 Electromagnetic Interference EN55015, EN61000-3-2 Electromagnetic Interference EN55015, EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire	-	Working Temperature	-30°C ~ +50°C				
Environment Condition Storage Temperature/Humidity 10-95%RH (no condensation) Atmospheric Pressure 86-106KPa Vibration Displacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 1G; sweep-frequency: 1.0oct/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Vibration Certificate TUV, CE, RCM, ENEC, CCC Withstand Voltage I/P-O/P: 3.75KV, 5mA, 60s; I/P-PG: 1.5kV 5mA 60S Insulation Resistance I/P-O/P: 500VDC, >100MΩ Grounding Resistance Grounding Resistance Surge Rating IEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety Sandard EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 62384:2016 IEC 61347-1:2015, IEG 1347-2-3:2014, IEC 61347-2-13:2014 (BB19510.1-2009, GB19510.14-2009 Electromagnetic Interference ENS5015, EN 61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire		Working Humidity	20-90%RH (no condensation)				
Atmospheric Pressure 86-106KPa Vibration Displacement amplitude: 5Hz ~ 9Hz 1.2mm; acceleration amplitude: 9Hz ~ 200Hz 1G; sweep-frequency: 1.0oct/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Certificate TUV, CE, RCM, ENEC, CCC Withstand Voltage I/P-O/P: 3.75KV, 5mA, 60s; I/P-PG: 1.5kV 5mA 60S Insulation Resistance I/P-O/P: 500VDC, >100MΩ Grounding Resistance IEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety Standard EN 61347-2-13:2014/A1:2017,EN 61347-1:2015,EN 62384:2016 IEC 61347-1:2015,IE61347-2-3:2014,IEC 61347-2-13:2014 Electromagnetic Interference EN55015, EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire		Storage Temperature/Humidity					
Vibration 1G; sweep-frequency: 1.0oct/min; test time: XYZ, 30 min each; The driver was in operating state and was tested according to system setting. Certificate TUV, CE, RCM, ENEC, CCC Withstand Voltage I/P-O/P: 3.75KV, 5mA, 60s; I/P-PG: 1.5kV 5mA 60S Insulation Resistance I/P-O/P: 500VDC, >100MΩ Grounding Resistance Grounding Resistance Surge Rating IEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety Standard EN 61347-2-13:2014/A1:2017,EN 61347-1:2015,EN 62384:2016 IEC 61347-2-3:2014,IEC 61347-2-3:2014,IEC 61347-2-13:2014 GB19510.1:4-2009 Electromagnetic Interference EN55015, EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire	Condition	Atmospheric Pressure	86-106KPa				
Withstand Voltage I/P-O/P: 3.75KV, 5mA, 60s; I/P-PG: 1.5kV 5mA 60S Insulation Resistance I/P-O/P: 500VDC, >100MΩ Grounding Resistance Surge Rating Surge Rating IEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety Standard EN 61347-2-13:2014/A1:2017,EN 61347-1:2015,EN 62384:2016 IEC 61347-1:2015,IE61347-2-3:2014,IEC 61347-2-13:2014 GB19510.1-2009,GB19510.14-2009 Electromagnetic Interference EN55015, EN61000-3-2 Electromagnetic Susceptibility EN611000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire		Vibration	1G; sweep-frequency: 1.0oct/min; test time: XYZ, 30 min each; The driver was in				
Insulation Resistance I/P-O/P: 500VDC, >100MΩ Grounding Resistance Grounding Resistance Surge Rating IEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety Standard EN 61347-2-13:2014/A1:2017,EN 61347-1:2015,EN 62384:2016 IEC 61347-2-3:2014,IEC 61347-2-3:2014,IEC 61347-2-13:2014 Electromagnetic Interference EN55015, EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire		Certificate	TUV, CE, RCM, EN	IEC, CCC			
Grounding Resistance Surge Rating IEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety Standard EN 61347-2-13:2014/A1:2017,EN 61347-1:2015,EN 62384:2016 IEC 61347-1:2015,IE61347-2-3:2014,IEC 61347-2-3:2014,IEC 61347-2-3:2014,IEC 61347-2-3:2014,IEC 61347-2-3:2014,IEC 61347-2-3:2014,IEC 61347-2-13:2014 GB19510.1-2009,GB19510.14-2009 Electromagnetic Interference EN55015, EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire		Withstand Voltage	I/P-O/P: 3.75KV, 5r	mA, 60s; I/P-PG: 1.5ł	vV 5mA 60S		
Surge RatingIEC61000-4-5 (L-N: 1KV; L/N-PG:2KV); The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV.Electrical Fast Transient/Burst2.2KV (Class B)Ringing wave/Safety StandardEN 61347-2-13:2014/A1:2017,EN 61347-1:2015,EN 62384:2016 IEC 61347-1:2015,IE61347-2-3:2014,IEC 61347-2-13:2014 GB19510.1-2009,GB19510.14-2009Electromagnetic InterferenceEN 55015, EN61000-3-2Electromagnetic SusceptibilityEN 61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13EMIConnect to a linear light and connect to the earth wire		Insulation Resistance	I/P-O/P: 500VDC, >	>100MΩ			
Surge Rating LEDs and the aluminum substrate exceeds 3KV. Electrical Fast Transient/Burst 2.2KV (Class B) Ringing wave / Safety Standard EN 61347-2-13:2014/A1:2017,EN 61347-1:2015,EN 62384:2016 IEC 61347-1:2015,IE61347-2-3:2014,IEC 61347-2-13:2014 GB19510.1-2009,GB19510.14-2009 Electromagnetic Interference EN55015, EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire		Grounding Resistance					
Safety & Norm Ringing wave / Safety Standard EN 61347-2-13:2014/A1:2017,EN 61347-1:2015,EN 62384:2016 IEC 61347-1:2015,IE61347-2-3:2014,IEC 61347-2-13:2014 GB19510.1-2009,GB19510.14-2009 Electromagnetic Interference EN55015, EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire		Surge Rating				oltage between the	
Norm Ringing wave / Safety Standard EN 61347-2-13:2014/A1:2017,EN 61347-1:2015,EN 62384:2016 IEC 61347-1:2015,IE61347-2-3:2014,IEC 61347-2-13:2014 GB19510.1-2009,GB19510.14-2009 Electromagnetic Interference EN55015, EN61000-3-2 Electromagnetic Susceptibility EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13 EMI Connect to a linear light and connect to the earth wire		Electrical Fast Transient/Burst	2.2KV (Class B)				
Safety StandardIEC 61347-1:2015,IE61347-2-3:2014,IEC 61347-2-13:2014 GB19510.1-2009,GB19510.14-2009Electromagnetic InterferenceEN55015, EN61000-3-2Electromagnetic SusceptibilityEN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13EMIConnect to a linear light and connect to the earth wire	-	Ringing wave	1				
Electromagnetic SusceptibilityEN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, IEC61000-4-13EMIConnect to a linear light and connect to the earth wire		Safety Standard	IEC 61347-1:2015,	IE61347-2-3:2014,IE		016	
EMI Connect to a linear light and connect to the earth wire		Electromagnetic Interference	EN55015, EN6100	0-3-2			
		Electromagnetic Susceptibility	EN61000-4-2, 3, 4,	5, 6, 8, 11; EN61547	7, IEC61000-4-13		
Electrostatic Discharge (ESD) Air: 8KV: touch: 4KV (Class B)		EMI	Connect to a linear	light and connect to	the earth wire		
		Electrostatic Discharge (ESD)	Air: 8KV; touch: 4KV (Class B)				

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Other Statement

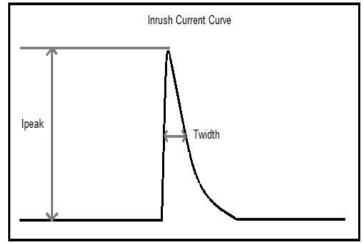
	IP Rating	1		
	RoHS	RoHS 2.0 (EU) 2015/863		
Warranty Condition 5 years (Tc≤75 °C)		5 years (Tc≤75 °C)		
Others	MTBF	1		
	DALI Executive Standard	1		
	Noise Rating	≤20db (Tested in a soundproof room and the noise collector was 10cm away from the driver.)		
	Triac Dimmer	1		
Testing Equipment	AC power source: CHROMA6530, digital power meter: CHROMA66202, Oscilloscope: Tektronix DPO3014, DC electronic load: M9712B, LED board, constant temperature and humidity chamber, lightning surge generator: Everfine EMS61000-5B, rapid group pulse generator: Everfine EMS61000-4A, spectrum analyzer: KH3935, hipot tester: TH9201B, light flicker analyzer: LFA-3000, etc.			
Testing Condition	Unless otherwise stated, the parameters of the power factor, THD and efficiency are the test results under the ambient temperature of 25°C and humidity of 50%, AC input of 230V and 100% load.			
	1. It is recommended that customer should install protection devices for surge and for overvoltage & undervoltage to ensure safety before connecting to electricity.			
Additional Remark	caps and other parts of the LED driver inside the LED light fixture must conform to rd or above.			
	fixture. The structure and the	driver is not the only factor determining the EMC performance of the LED light e wiring of the light fixture are also relevant. Thus it's strongly recommended the r re-confirms the EMC of the whole LED light fixture.		

Circuit Breaker & Relevant Parameters

Name	Value	Remark
Surge peak current (Ipeak)	29A	Input voltage 230Vac
Surge half-peak time (Twidth)	260µs	Input voltage 230Vac. Measure the time for Ipeak to drop to its half value.
Quantity of the same model of driver that type-B 16A circuit breaker can configure.	14 pcs (max.)	

Driver quantities are below if use another type of circuit breaker.

Туре	Rank	Qty of accommodated drivers	Relative conversion ratio
	10A	8 pcs	63%
	13A	11 pcs	81%
В	16A	14 pcs	100% (benchmark)
20A		17 pcs	125%
	25A	21 pcs	156%
10A ²		14 pcs	104%
	13A	18 pcs	135%
С	16A	23 pcs	170%
	20A	29 pcs	208%
	25A	36 pcs	260%

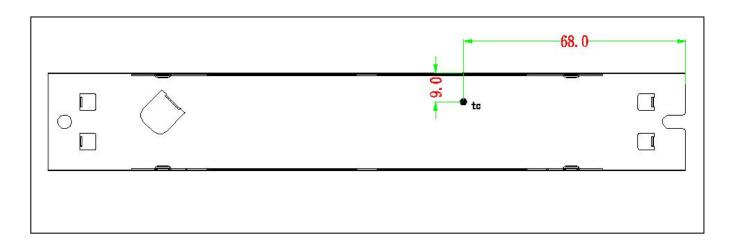




DIP Switch Table

Та	Vo DC	Current	1	2
50°C		350mA	ON	ON
	115V-172V	300mA	ON	—
	1150-1720	250mA	—	ON
		200mA		—

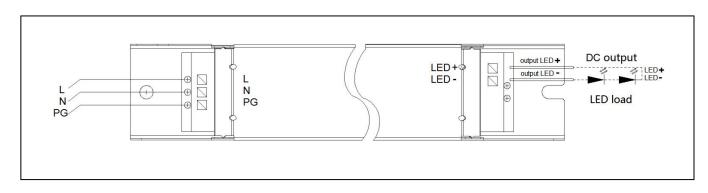
TC Spot (on the bottom cover)



Label



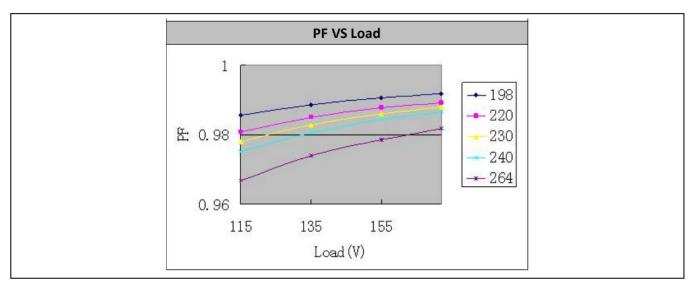
Wiring Diagram



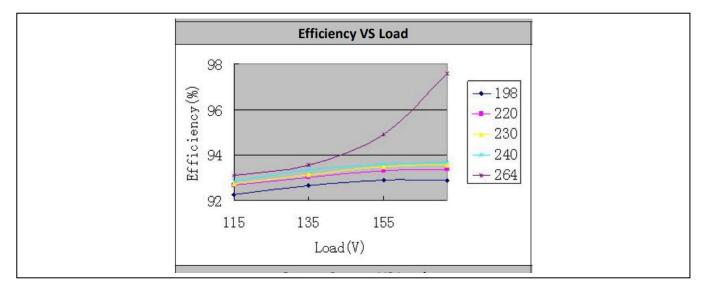


Product Feature Curve

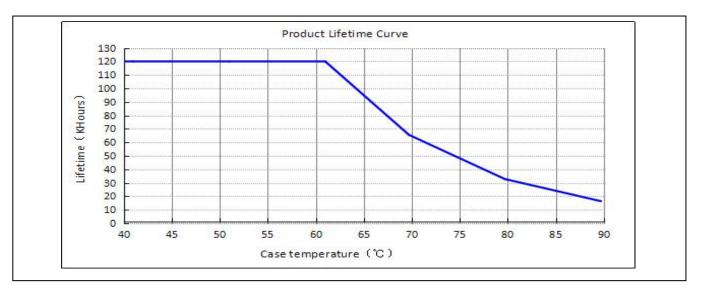
1. PF curve



2. Efficiency curve

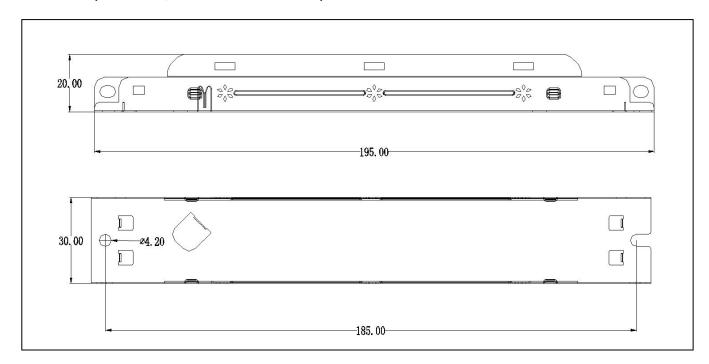


3. Lifetime curve





Dimension (unit: mm, tolerance: +0.5mm)



Packaging Specification

Carton dimension	385*285*210mm (L*W*H)
Quantity	48 pcs/ctn
Weight	140g±5%/pc; 6.7Kg±5%/ctn

Attention

- 1. Use this product according to the specifications, please. Otherwise there may be malfunction.
- 2. Use luminaires that have not been certified or are not compatible with the drivers may cause fire, explosion or other hazards.
- 3. Man-made damage is not covered by warranty.
- 4. The withstanding voltage between the LEDs and the aluminum substrate exceeds 3KV.

Remark: The final interpretation right of contents of this data sheet belongs to Lifud Technology Co., Ltd.