

About NANHUA Electronics



Nanhua Electronics Co., Ltd. was established in 1990 focusing on research and development of the industrial products for harsh industrial application, concerning people working under high risk condition like ports, mines, metallurgical plants, wind power, tall buildings, vessels, etc. Our engineers frequently visit the application sites in order to research and develop the most reliable industrial signal, lighting and control products.

Nanhua keeps rigorous products R&D and quality control, certified by ISO9001:2015 quality management system. We award more than 77 patents, 135 FAA, ICAO, SABS, CAAC test reports and UL&cUL, SAA, CE certificates issued by world famous third-party laboratory, authoritative and approval.

Nanhua designs and manufactures industrial LED lighting fixtures available for a wide variety of applications, including high vibration, corrosion, hazardous locations, and marine environments. Nanhua LED lighting fixtures had been installed on container cranes worldwide and we are ideally committed to improve crane performance and reduce maintenance costs.

Today, NANHUA products and solutions have been successfully applied to the global ports, mining sites, airports, wind power and other industries. Our company has become an execution standard in part of industrial fields and our products are regarded as a high-performance solution. We will continue to insist the concept of reliable and safe research, to keep exploring the latest technology and to develop new products to help customers solve problems and realize the improvement of customer value.

NACELLE SIGNAL SYSTEM

- Aviation obstruction lights
- Wind sensor
- Landing light

System

Complete Tower Kit Solution

Reliable

Reliable products design and application more than 12 years

Professional

Professional design comply to ICAO and FAA

Convenient

Easy for installation, no maintenance needed during service years

Landing light HD211A



Input voltage	DC24V
Frequency	50Hz/60Hz
Rated power	16W
Light source	LED
Lightning surge	GD22-2015 L-L 0.5kV
Electrostatic discharge	GD22-2015 L-G 1kV
	GD22-2015 Air discharge 6kV
IP rate	IP66
Weight	13 kg



IceFree Wind Direction Sensor FA18



Input Voltage	DC18V~30V
Operating current	Max. 50mA
Heating voltage	DC24V±10%
Heating power	90W
Heating type	Mica heating
Accuracy	±1°
Resolution	0.35°
IP rate	IEC 60529 IP65
Wiring	Aviation socket
Housing color	RAL7013 gray
Weight	0.5 kg



IceFree Wind Speed Sensor FA17



Input voltage	DC18V~30V
Operating current	Max. 50mA
Heating voltage	DC24V±10%
Heating power	90W
Starting threshold	0.35m/s
Anti-wind level	>70m/s
Range	0~70m/s
IP rate	IEC 60529 IP65
Wiring	Aviation socket
Housing color	RAL7013 gray
Weight	0.5kg



1st edition, September 2020

SIGNAL LIGHTING CONTROL SYSTEM SOLUTION FOR WIND POWER

Continued attention to people in high-risk operations
To provide cutting edge signal, lighting, control products and solutions worldwide

SIGNAL LIGHTING CONTROL

NANHUA has created a flexible and efficient lighting and safety solution.

We provide solutions for wind turbine nacelle lighting, hub lighting, and tower lighting meeting the challenges of creating long-term and reliable lighting conditions for people in a small space who maintain wind turbines.



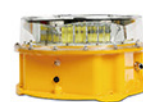
Medium Intensity Obstruction Light Type B LM100



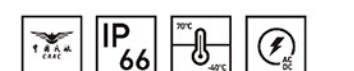
Input voltage	AC110V-AC240V/DC8V
Power consumption	65W (Steady burning) 30W (at 40FPM)
Lightning surge	IEC61000-4-5-L-3kV IEC61000-4-5-L-G 6kV
Light source	LED
Light color	Red
IP rate	IP65
Ambient humidity	0%~95%RH
Body color	Yellow
Weight	6.5 kg



Medium Intensity Obstruction Light Type A LM403A



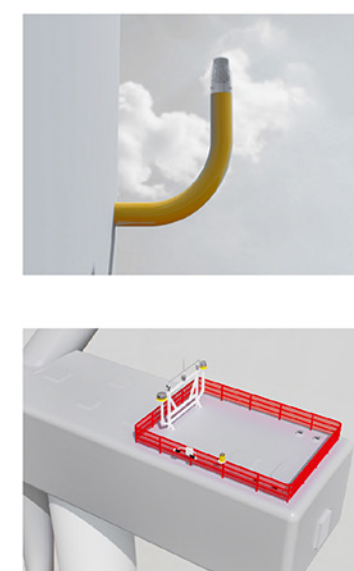
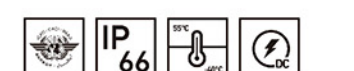
Input voltage	AC110V/AC220V/DC48V
Power consumption	Daytime: 45W(at 40FPM)
Lightning surge	IEC61000-4-5-L-3kV IEC61000-4-5-L-G 6kV
Light source	LED
IP rate	IP66
Flash rate	Daytime/twilight: 20/30/40 FPM Night: 20/30/40/60 FPM, steady burning(red), (default 40 FPM)
Operating temperature	Ta-40 °C ~ +55 °C
Weight	18.2kg



Low Intensity Obstruction Light Type E LS812



Input voltage	DC24V
Power consumption	Red< 5W, Infrared< 5W
Lightning surge	IEC61000-4-5-L-6kV IEC61000-4-5-L-G 6kV
Light source	LED
Humidity	10%~95%RH
Operating temperature	Ta-40 °C ~ +55 °C
IP rate	IP66
Wiring	Lead wire type 15m
Body color	Yellow
Weight	0.7 kg (wire excluded)



WIND TURBINE TOWER LIGHTING AND SIGNAL SYSTEM

Nanhua LED Linear Light includes LED emergency lighting and non-emergency lighting, industrial lighting integrated, good IP protection performance, long emergency time, suitable for high heat, high humidity, cold environment, suitable for wind turbines as cabin lighting, tower lighting, wheel hub lighting, port machinery industry for trail lighting.

SIGNALS

- Warning Alarm
- Aviation Obstruction Light
- Heli Landing Light

LIGHTING

- High Bay, Low Bay, Flood Light, Linear Light
- High Mast Light
- Work light
- Ex/Marine/Emergency Light

CONTROLS

- Communication & Intercom
- Control system
- Monitoring and software



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LED Modular Light WPM Series



Input Voltage	AC100V~AC264V
Power Consumption	15W
Frequency	50Hz/60Hz
Lightning Surge	IEC 61000-4-5 ±2KV
Electrostatic Discharge	IEC 61000-4-2 ±8KV
EFT	IEC 61000-4-4 ±2KV
IP Rate	IP65
Storage Temperature	Ta-40°C ~ +70°C
Body Material	ABS+PC
Cover Material	PC
Weight	1.0kg



5NM Marine Lantern ML50



Input voltage	AC100~AC240V
Frequency	50Hz/60Hz
Maximum power	25W
Light source	LED
Light color	Red, Green, Blue, Yellow, White
Horizontal beam spread	360°
Visual distance	5~7NM
IP rate	IP66
Operating temperature	Ta-40°C ~ +60°C
Weight	2.1 kg



LED Linear Light LW32/LY32



Input Voltage	AC110V-AC264V
Power Consumption	18W/20W
Power Factor	>0.9
Electrostatic Discharge	IEC 61000-4-2 ±8KV
EFT	IEC 61000-4-4 ±2KV
Emergency time	90min
Installation Mode	Mounting bracket
Body Material	Aluminum
Cover Material	PC
Body Color	Silver
Weight	1.2kg 1.0kg



LED Light / Remote Control LW22



Input Voltage	AC100-AC240V
Power Consumption	48W
Lightning Surge	GB/T 17626.2-2006±500V
Electrostatic Discharge	GB/T 17626.5-2008±4KV
EMC	EN 55015/ CISPR 15
IP Rate	IEC60529 IP65/IP69K
IK Rate	IK08
Body Material	Aluminum
Cover Material	PC
Body Color	Black
Weight	1.8kg



LED Emergency Linear Light LY40F



Input Voltage	DC24V
Power Consumption	3.5W
Lightning Surge	IEC 61000-4-5 ±1KV
Electrostatic Discharge	IEC 61000-4-2 ±4KV
IK Rate	IEC62262 IK08
Anti-vibration	IEC60068 3G
Anti-corrosion	ISO9227 720H
Operating Temperature	Ta-30°C ~ +55°C (Overheat Protection)
Body Color	Silver
Weight	1.1kg



UPS Lighting Cabinet FR300



Input voltage	AC200V-AC240V
Output Voltage	AC200V-AC240V
Input Frequency	50/60Hz
Output Frequency	50/60Hz
Output Waveform	Pure sine wave
Rated Power Consumption	500W
Emergency time	90min/45min
IP Rate	IP54
Operating Temperature	Ta-30°C ~ +50°C
Humidity	10% ~ 95%
Weight	26kg

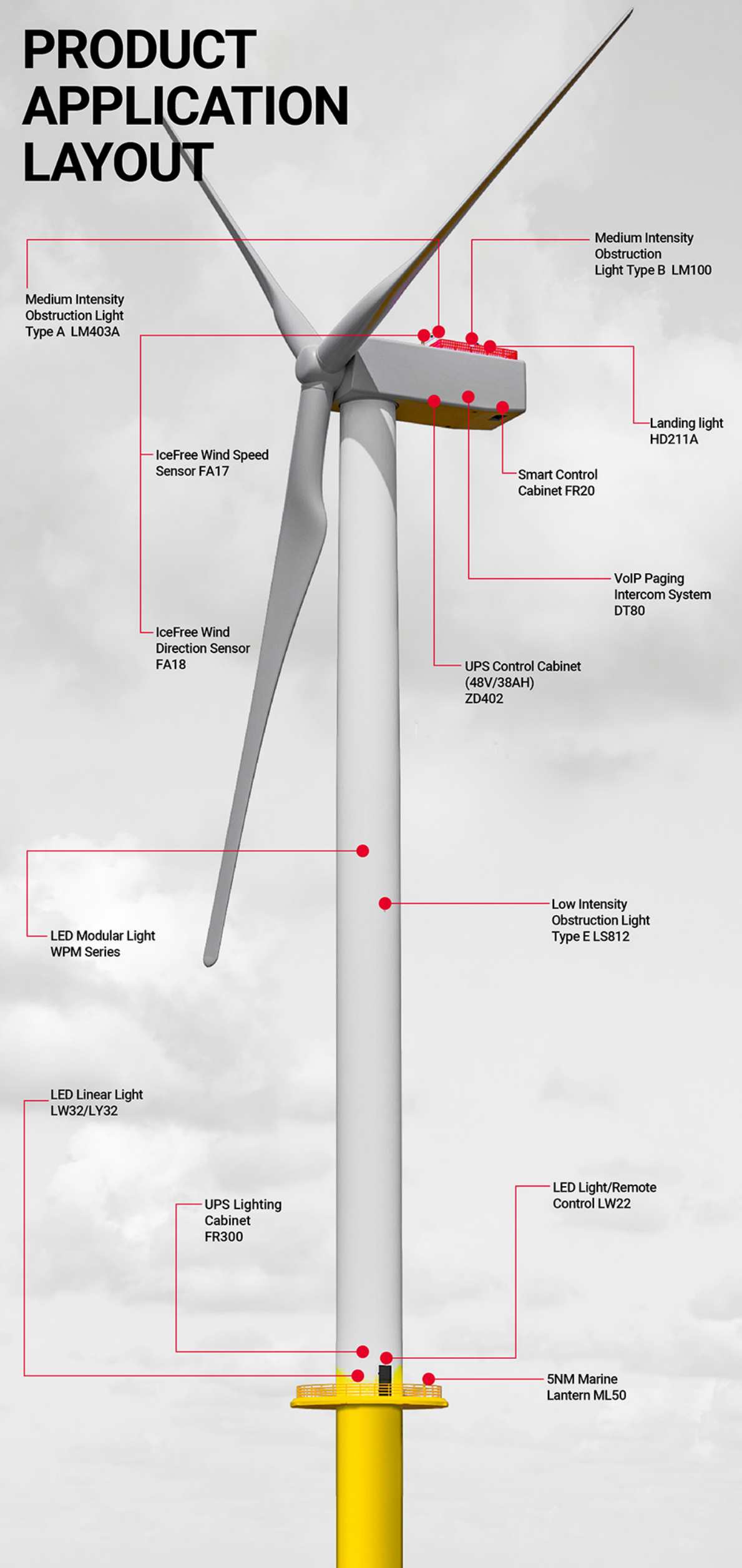


With industrial-grade durability and high-efficiency lighting effects, Nanhua Industrial LED lighting has create higher value for customers.

In designing and manufacturing, we adopt advanced technology and select highest-quality components to ensure that our products conform to and adapt to the application requirements of industrial sites. We can offer clients simple and stable installation protocols and long-term maintenance-free lighting even under harsh conditions. This benefits industrial applications such as construction machinery, port machinery, and wind power to increase lighting efficiency and personal safety.



PRODUCT APPLICATION LAYOUT



CREATE HIGH QUALITY INDUSTRIAL VALUE

WIND TURBINE TOWER CONTROL SYSTEM

- Critical Communication
- Control System



Power Supply Cabinet (48V/38AH) ZD402



Input Voltage	AC200V~ AC240V
Output Voltage	DC48V
Frequency	50Hz/60Hz
Power Consumption	1500W
Battery Capacity	48V/38AH
IP Rate	IEC60529 IP54
Storage Temperature	Ta-15°C ~ +60°C
Operating Temperature	Ta-20°C ~ +55°C
Material	Cold Rolled Plate + Powder Coated
Weight	87 kg



Power Supply Cabinet 48V/12AH ZD405



Input Voltage	AC200V~ AC240V
Output Voltage	DC48V /DC24V/AC220V
Frequency	50Hz/60Hz
Power Consumption	130W
Battery Capacity	48V/12AH
Lightning surge	IEC61000-4-5 L-N ±3kV
	IEC61000-4-5 L-PE ±6KV
	IEC61000-4-5 N-PE ±6KV
IP Rate	IEC60529 IP54
Operating Temperature	Ta-20°C ~ +55°C
Weight	35kg



Smart Control Cabinet FR20



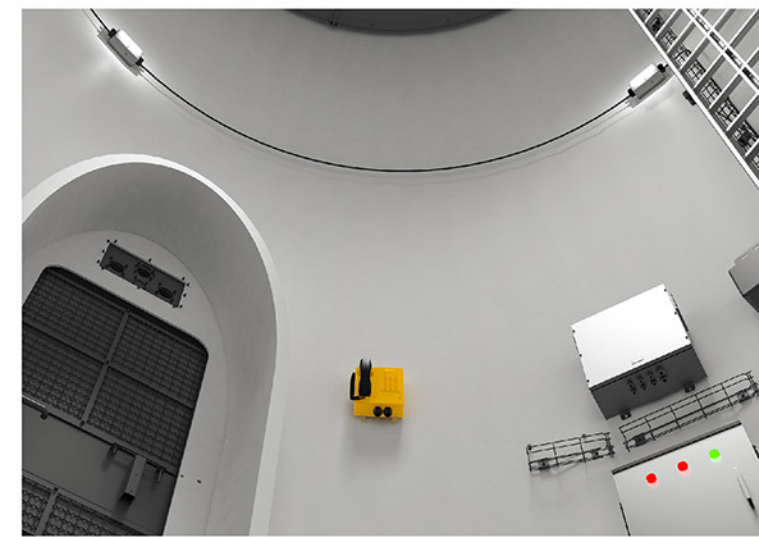
Input voltage	DC48V/AC220V
Communication	RS485
Photo cell on/off level	70~100 lux
Operation temperature	Ta-40°C ~ +65°C
Maximum control branches	30 ways



VoIP Paging Intercom System DT80



Communication protocol	SIP2.0 over UDP/TCP/TLS
Protocol	RTP/RTCP/SRTP
CODEC	G.729, G.723, G.711, G.722, G.726
Amplifier	25W Max.
Volume	Adjustable
Indicator	Three
Microphone	One (XH2.54 needle)
Operating temperature	Ta-40°C ~ +70°C
Dimension	326x200x128mm (Indoor)
	505x300x141mm (Outdoor)



PROJECT DISTRIBUTION



For more information, please visit our website at www.nanhua.com