


# Onelight Introduction

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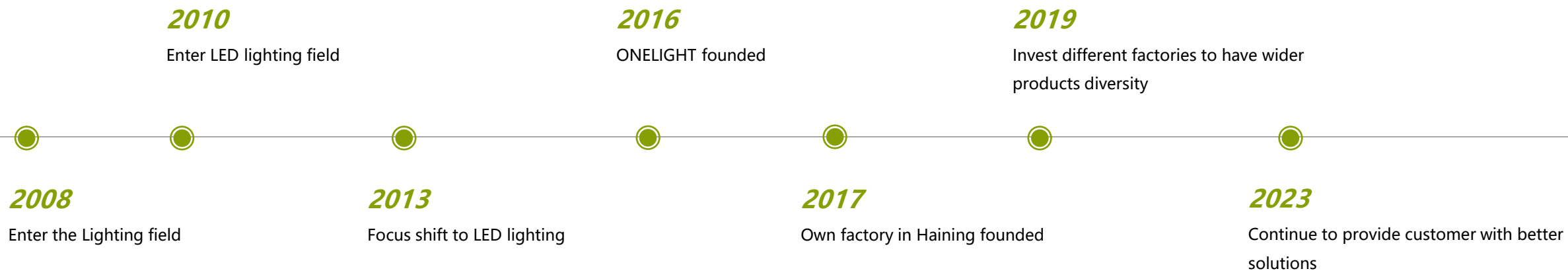


# Part 01

## **General Information**

# History

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# Turnover



Yearly Sales

**\$11.2 Million**

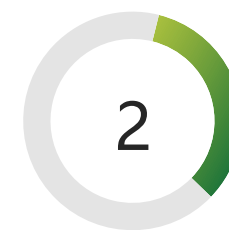
2022 Sales amount \$11.2 million

# Industry distribution



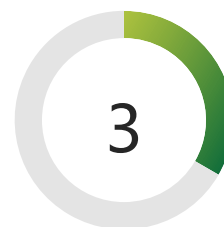
## Hangzhou

R&D Center  
Sales and marketing



## Haining

LED package, indoor fixtures  
production base



## Jiangxi

LED bubs and filament  
Production base



## Guangdong

Aluminum luminaires  
Production base

# Organization

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## Sales Team

10+ expert for customer care  
7/24 service



## Quality Team

New Product input control  
OQC inspection control



## Artwork design

Design engineer will provide HQ pictures, die-cut, artwork check and design process



## R&D

Skilled Engineers focus on circuit/structure/system

# Capacity & Machinery

	Commercial light	Indoor fixtures	Outdoor Luminaires	LED sources
Capability	1 million/month	2 million/month	1 million/month	5 million/month
Production lines	10	8	6	20
Workers	120	100	80	100



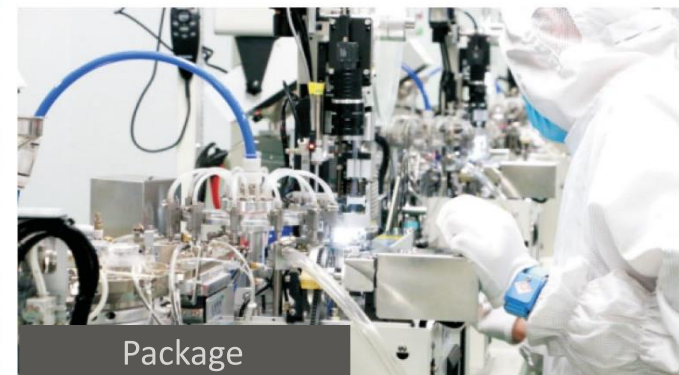


# Part 02

## Factory View

# LED Packaging

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# Assembly



LED bulbs



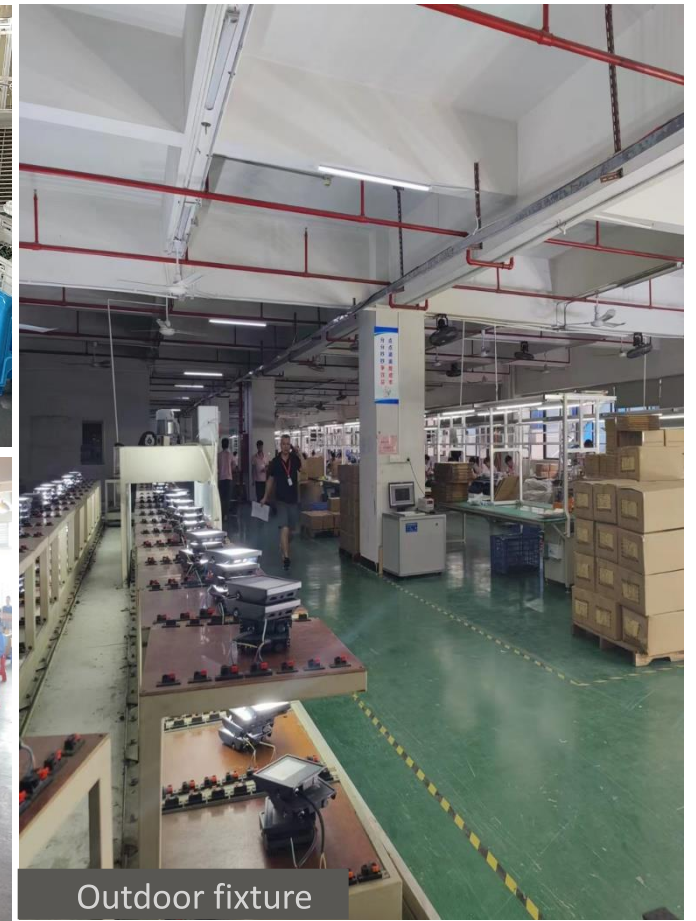
Indoor fixture



Filament



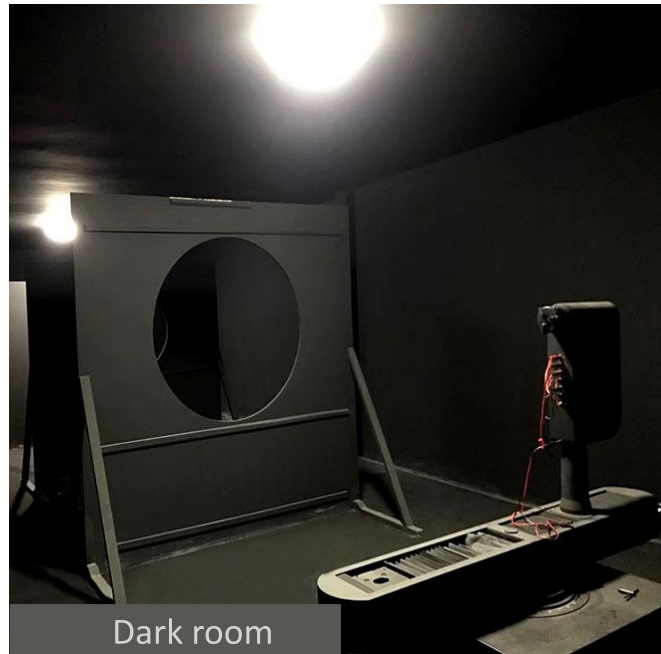
Commercial light



Outdoor fixture

# Laboratory

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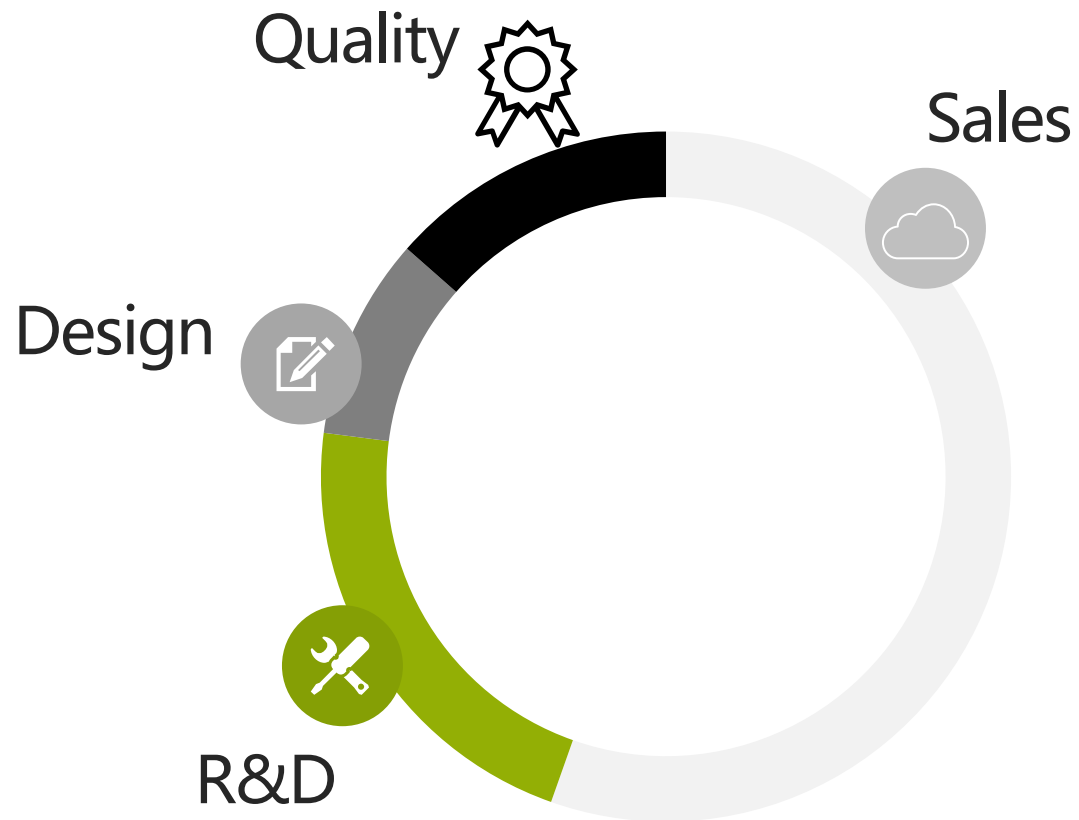


# Part 03

## Service



# Service



01

- Act fast
- Flexible process
- Diversity of products

02

- Strong R&D team
- Customized service
- Mold cost share plan

03

- Design ability

04

- Quality assurance

# New product input control

## Optical Performances Test 光学性能测试

Test condition: Input voltage = rated voltage and frequency, steady state, Ta=25°C					Testing results with integrating sphere testing system 测试结果 (积分球测试系统)								
Sample 样品	Input Voltage (V) 输入电压	Frequency (Hz) 输入频率	Input Current (A) 输入电流	Input Power (W) 输入功率	Power factor (PF) 功率因数	Luminous Flux (lm) 光通量	Luminous efficiency (lm/W) 光效	x	y	CCT (K) 色温	Ra 显色指数	SDCM 色容差	R9
1	230	50	0.052	8.66	0.720	842.03	98.37	0.314	0.338	6364	84.4	2.1	8
2	230	50	0.052	8.61	0.715	853.44	99.12	0.313	0.336	6438	84.5	3.3	9
3	230	50	0.051	8.46	0.718	851.83	100.67	0.315	0.339	6322	84.3	1.4	7
4	230	50	0.051	8.46	0.720	852.47	100.76	0.315	0.338	6338	84.5	2.6	9
5	230	50	0.053	8.66	0.716	859.51	99.25	0.314	0.337	6382	84.4	2.8	8
6	230	50	0.052	8.51	0.713	854.33	100.39	0.315	0.339	6316	84.3	3.2	8
MIN.	230	50	0.051	8.46	0.713	842.03	98.37	0.313	0.336	6316	84.3	1.4	7
Ave:	230	50	0.052	8.54	0.717	852.24	99.76	0.314	0.338	6360	84.4	2.57	8.167
MAX	230	50	0.053	8.66	0.720	859.51	100.76	0.315	0.339	6438	84.5	3.3	9
Stdev	0.000	0.000	0.001	0.082	0.003	5.715	0.983	0.001	0.001	45.712	0.089	0.717	0.753
Judge criterion 判断标准	220-240V	50/60HZ	NA	Not more than 5%	≥0.7					±10%	> 78	< 6	> 0
Conclusion/结论:	PASS												

## CDF for key components

IC			Capacitor			LED chips			
Brand 驱动品牌	Model 驱动型号名	Tc temperature @aging 1hour 老化1小时IC温度	Brand 电解电容品牌	Lifetime of Electrolytic Capacitor 电解电容寿命	Tc temperature @aging 1hour 老化1小时 电容温度	Brand LED品牌	Led package LED封装	Qty 数量	Ts @aging 1hour 老化1小时灯 珠温度
华润矽	PT4519CT	94.8°C	天成源	6000H	102°C	唯唯	SMD2835	11	86.1°C

## Design for Application testing: Mechanical parameter, bending moment and torque test (screw tightening), pull and push force

应用测试: 检查结构参数, 弯曲度和扭力测试(螺丝), 牵引力, 推力

Item 项目	Symbol 符号	Unit 单位	Rated value 额定值	Limited Range 限制范围	Testing results			Result
					1#	2#	Ave 平均值	
Dimensions (High) 高度	H	mm	108	/	107.1	107.5	107.30	Pass
Dimensions (Diameter) 直径	D	mm	60	/	59.12	59.22	59.17	Pass
Torque testing 扭力测试		N	3	≥3	3.76	3.56	3.66	Pass
IP testing IP测试			20	/	20	20	20.00	Pass
Weight with accessories 净重量 (包括配件)	NW	g	22	/	22.1	22.2	22.15	Pass

## Temperature measurement 温度测试

Test condition/测试条件: Input voltage= 230V, Ta=25°C, steady state, 稳定状态				
No.	Thermocouple location 热电偶位置	Limit value 额定限值	testing data (°C) 测试值	Conclusion 结果
1	LED Ts/LED 焊点温度1	105	86.1	Pass
2	LED Ts/LED 焊点温度2	105	87.6	Pass
3	IC	160	94.8	Pass
4	电解电容E-Cap C4	105	102	Pass
5	Tc of Luminaire product housing 灯具外壳Tc点的温度	75	44	Pass

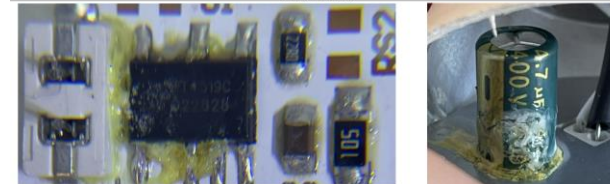


## Drawing and picture

### Product picture



### Driver Picture



## Hi-pot test 耐压测试

Sample No.	Lamp category(灯具类别)	Test voltage(测试电压)	Leakage current(漏电流)	Result(结论)
#1	II	3000V	10mA	Pass
#2	II	3000V	10mA	Pass

### Test Picture(测试照片)



## Torque testing 扭力测试




### Light Engine picture






# QQC control



Hanzhou Yideng Lighting Co., Ltd.

# Inspection Report

## A. Abstract

	Product Name	LED downlight A60	Batch No.	21E20
	PO[Item] Number	PJT-110	Item No.	QTY
	Client Name	Y	AKRA 7020	44300
	Inspection Date	2021-11-18		

Category	Passed	Failed	Pending	Comment
Quantity	1			
Packaging	1			
Dimensioning	1			
COF Checking	1			
Size Measuring	1			
Color Measurement	1			
Others	1			
Remarks:				

Inspection Standards: AQL		Sampling Plan: Single, Normal, Inspection Level II		
		Defective Findings		
Sampling Size: 500		Accepted	Major Defect	Minor Defect
E1=0.0028	Pin Lead printing	0	2	0
	Glue on body	0	0	2
	Body	0	0	0
	Pin Lead Solder	1	0	0
	Pin Lead coverage	0	0	0
Total Defectives:		1	2	0
Maximum Allowed:		1	2	0
Required AQL:		<input checked="" type="checkbox"/> Within AQL <input type="checkbox"/> Beyond AQL <input type="checkbox"/> Within AQL <input type="checkbox"/> Beyond AQL <input type="checkbox"/> Within AQL <input type="checkbox"/> Beyond AQL		
Major defective maximum allowed: 0.05				
Minor defective maximum allowed: 2.5				


Request AQL: **Within AQL**

Total QTY of cartons in the shipment	44300
QTY of cartons available for inspection	44300
Number of cartons inspected	10
Number on the inspected cartons	No.001, No.002, No.003, No.004, No.005, No.006, No.007, No.008, No.009, No.010, No.011, No.012, No.013, No.014, No.015, No.016, No.017, No.018, No.019, No.020

## OVERALL CONCLUSION

Address: Room 611 of Building A, No.953 Third Shuanghu Road, Wuzhen, Hengshui, Zhejiang, 310500, China

E-mail: [info@yideng.com](mailto:info@yideng.com) Website: [www.yideng.com](http://www.yideng.com)



**Hangzhou Yideng Lighting Co., Ltd.**

Hangzhou Yideng Lighting Co., Ltd.

**B. QTY Checking**

Pictures showed end of the report

Item	Order QTY	Finished QTY	Packed QTY
<b>51-60-3036</b>	<b>44500</b>	<b>44503</b>	<b>44500</b>
<b>CONCLUSION</b> <span style="color: red;">Pass</span>			

**C. Package Checking**

Pictures showed end of the report

Item	Length (mm)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Height (mm)	Weight (kg)	QTY (PCS)	QTY (PCS)
	Actual	Max	Min	Max	Max	Max	Max	Max	Max
51-60-3036	44.0	45.0	32.0	31.0	27.2	26.1	7.5	7.6	7.6
<b>CONCLUSION</b> <span style="color: red;">Pass</span>									

**D. Workmanship**

Defectives Description	CR	MAJ	MIN	Picture
Other Lens problem	0	0	0	End of Report
Yellow in lens	0	0	2	End of Report
Dirty on	0	0	5	End of Report
Dirty on	0	0	2	End of Report
Dirty on	0	0	1	End of Report

**CONCLUSION:** Pass

**E. CDF Checking**

Pictures showed end of the report

Main Components :050 are as request      Different with request

**CONCLUSION** Pass

**F. On-site Checking**

Pictures showed end of the report

Description	Results
Lamp marking area test	Pass(7% within 1% tolerance)
Lamp marking and Size	Pass(2%<5mm)
Color test	Pass(2%<5mm)
Strength	Pass(2000N)
EMC	Pass

Address: Room 601 B, Building 4, No. 659 Third Shuang Road, Min District, Hangzhou, Zhejiang, 311124, China  
 Tel: +86-571-88158026    E-mail: yideng@yideng.com    Website: www.yideng.com.cn

The collage consists of six square images arranged in a 2x3 grid. The top row shows two different LED light bulbs being measured with digital calipers. The left image shows a yellow and white bulb with a digital display of 1.00. The right image shows a white bulb with a digital display of 1.00. The bottom row shows two different LED light bulbs being weighed on a digital scale and one bulb being measured with a digital depth gauge. The left image shows a yellow and white bulb on a scale with a digital display of 1.00. The right image shows a white bulb being measured with a digital depth gauge with a display of 1.00. The background of all images is a green wall.

**one**  
LIGHT

Hangzhou Yideng Lighting Co., Ltd.

The collage consists of six photographs arranged in a 2x3 grid, illustrating the testing process of a smart light bulb. The top-left photo shows a glowing yellow and white smart bulb connected to a power supply unit (PSU) on a green workbench. The top-right photo shows a digital multimeter (DMM) connected to the bulb, displaying a reading of 0.00. The middle-left photo is a close-up of a hand holding the glowing bulb. The middle-right photo shows the bulb connected to a PSU, with a digital display showing 0.00. The bottom-left photo shows the bulb connected to a PSU, with a digital display showing 0.00. The bottom-right photo shows the bulb connected to a PSU, with a digital display showing 0.00.

Testing

Testing





Testing

Testing




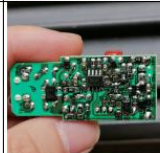
Testing

Testing

Address: Room 501 & Building 4, No.858 West Shuangyuan Road, Xihu District, Hangzhou, Zhejiang, 310030, China  
Tel: +86-571-88138020 E-mail: info@one-light.com Website: www.one-light.com

		<b>Hangzhou Yideng Lighting Co., Ltd.</b>							
<b>Model No.</b>		<b>Place</b>							
<b>CONCLUSION</b>		<b>Pass</b>							
<b>D. Data Measurement</b>									
Product Marker	QTY (K)	Luminous Flux (lm)	Efficiency (lm/W)	CRIs	Power (W)	Current (mA)	Power (W)	PF	SDR
1	2970	795.26	107.4	82.01	230	35.52	7.079	0.908	1.35
2	2964	786.94	106.1	82.17	230	34.96	7.262	0.914	2.097
3	2967	797.56	107.3	81.3	230	35.17	7.375	0.909	3.051
4	2945	765.49	101.8	81.95	230	35.2	7.37	0.91	6.832
5	2966	786.47	106.7	81.26	230	34.97	7.37	0.916	1.194
6	2974	785.74	106.4	81.89	230	35.04	7.365	0.914	1.857
7	2965	773.4	106.3	82.01	230	34.83	7.278	0.914	1.410
8	2962	791.58	106	81.49	230	35.27	7.471	0.912	0.887
9	2963	774.29	106.7	81.3	230	35.13	7.267	0.909	1.065
10	2956	778.03	105.9	81.96	230	35.26	7.393	0.909	1.144
<b>CONCLUSION</b>		<b>Pass</b>							
<b>E. PHOTOS</b>									
									
<b>Quantity Checking</b>		<b>Quantity Checking</b>							

Four images showing the dimensions and weight of the Color Bank and Color Box. Top-left: Color Bank with a ruler showing 10 cm. Top-right: Color Box with a ruler showing 10 cm. Bottom-left: Color Bank with a ruler showing 10 cm. Bottom-right: Color Box on a scale showing 110 g.

<p>Hangzhou Yideng Lighting Co., Ltd.</p>	
 <p>CDP check</p>	 <p>CDP check</p>
 <p>CDP check</p>	 <p>CDP check</p>





# Thanks for your **A**ttention