

■ Features:



- Wide AC input voltage 100-305V
- Easy install, with E39/E40/EX39 socket, 360° rotatable, evenly lighting distributed, wide beam angle
- Independent R&D Design, with New and Practical Patent Certificates
- Die-cast aluminium shell with high thermal conductivity and high temperature PC lens
- Internal certified isolated driver, long life-span, flicker free
- Unique structure design, internal fan, excellent heat dissipation
- Suitable for replacing traditional street lamp, stadium lamps, high pole lamps and other internal light sources
- Waterproof rating: IP20, CE and RoHS listed
- 5 years warranty



T P- LDT01-120W **A** : E39 **B** : EX39 **C** : E40

※: TP for “Toplight”, LDT01 for “lamp name”, 120W for “power”, ABC for “socket”.

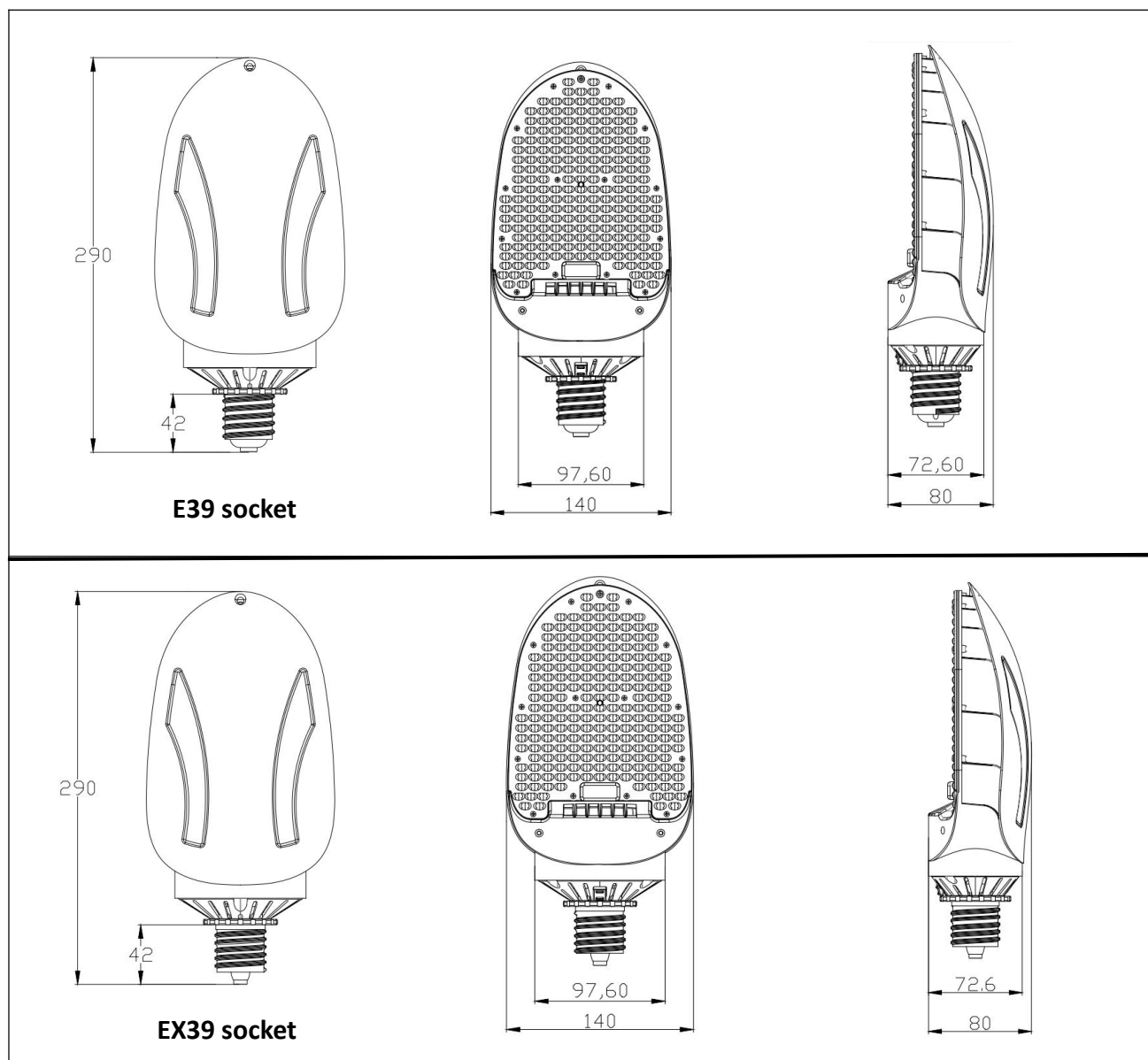
■ Electrical specifications

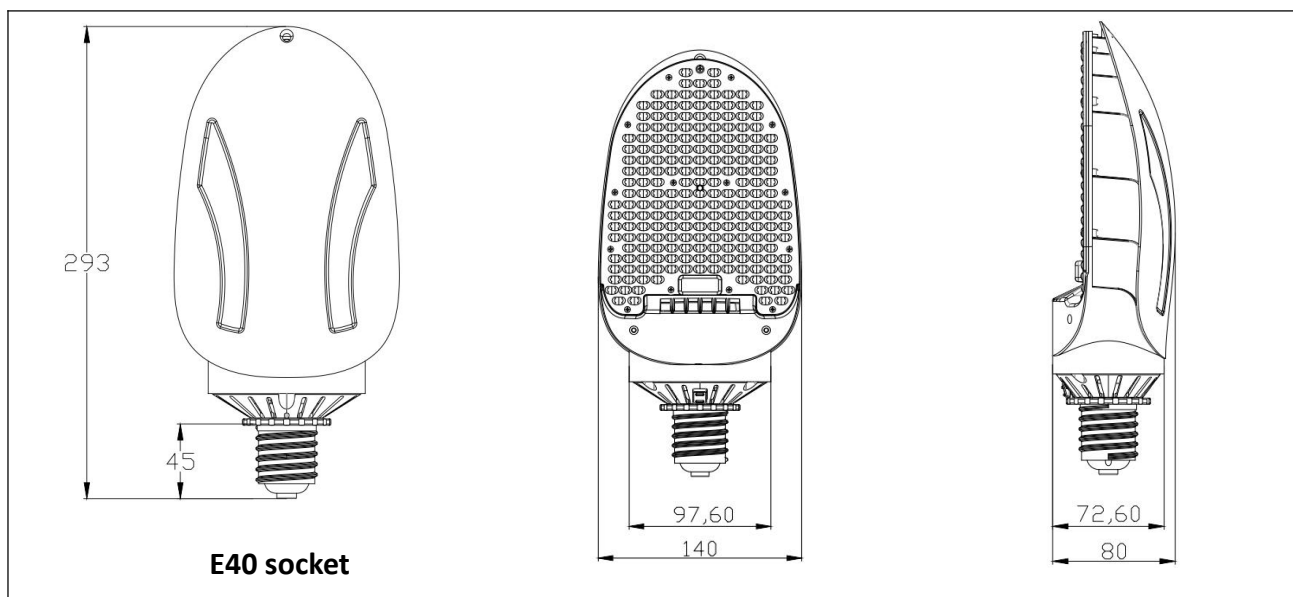


Model		TP - LDT01-120W A		TP - LDT01-120W B		TP - LDT01-120W C	
Electricity parameters	Input Voltage	100～305VAC					
	Working Current	1.120A / 110VAC			0.560A / 220VAC		
	Operating frequency	50/60Hz					
	Input power	120W ± 5%					
	Power Factor	PF>0.92					
	Output Voltage	38-42VDC± 5%					
	Output Current	2.6A± 5%					
Luminous efficacy	Light source	LUMILEDS/SEOUL/EPISTAR SMD3030 LED					
	LED Quantity	210Pcs					
	Specifications						
	Color Temperature (CCT)	3000K	4000K	5000K	6000K		
	Luminous Flux	13800Lm ± 8%	14400Lm ± 8%	15000Lm ± 8%	15600Lm ± 8%		
	Luminous efficacy	>115Lm / W	>120Lm / W	>125Lm / W	>130Lm / W		
	Color rendering index(CRI)	Ra>80					
	Beam angle	90° x150° TYPE3					
	Working Life-span	>30000 H					
Structure	Materials	Die-casting aluminum+PC lens					
	lampshade	Black					
	Dimension size	W140*H80* L290 mm	W140*H80* L290 mm		W140*H80* L293 mm		

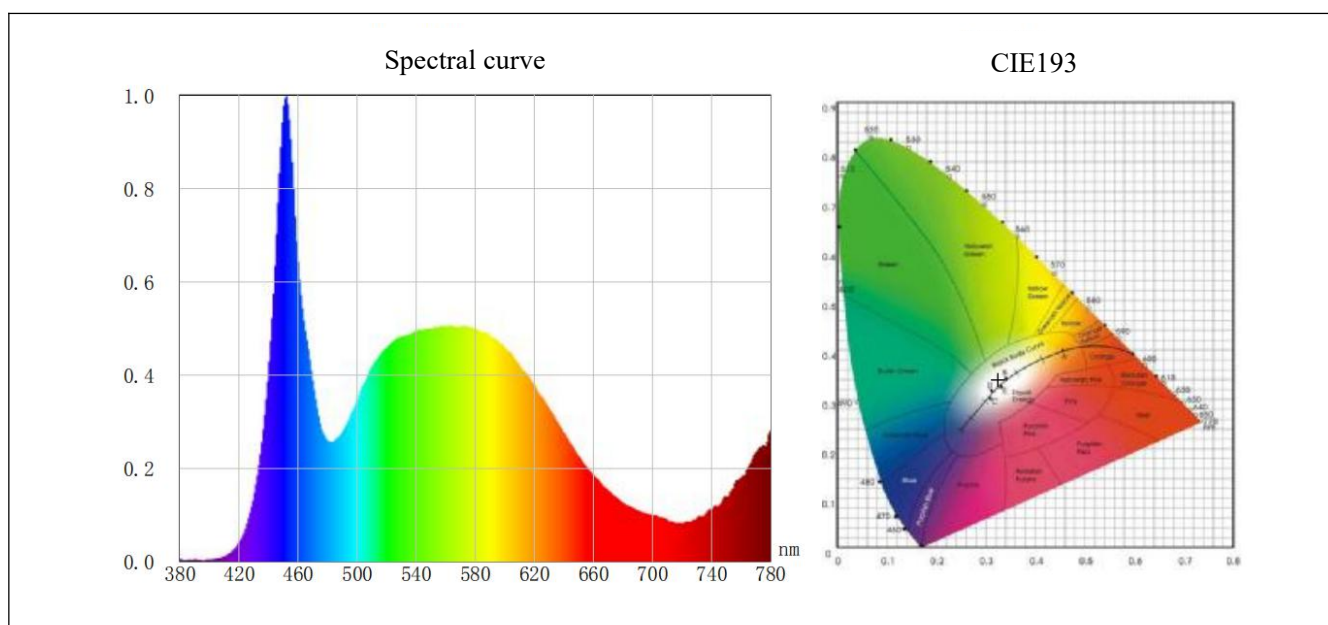
	Lamp base	E39	EX39	E40
	Working Temperature	:-25℃~55℃; humidity: ≤95%		
Packaging	Inner paper size	W153*H95* L326 mm		
	Carton box	W340 * H320* L490mm		
	Product N*W	1.2Kg		
	Product G*W	1.43Kg		
	Q'ty/CTN	10Pcs/CTN		
	Carton's Weight	14.5Kg		
Remark	※: Luminous Flux and efficacy data all based on Seoul LED chips.			

Product structure size (Unit: mm)





■ Testing data



STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:278.60V I:0.4180A P:113.50W PF:0.9740 Freq:50.00Hz Lamp Flux:14945.7x1 lm

NAME: LDT01-120W

TYPE:

WEIGHT:

SPEC.:

DIM.:

SERIAL No.:

MFR.:

SUR.:

Shielding Angle:

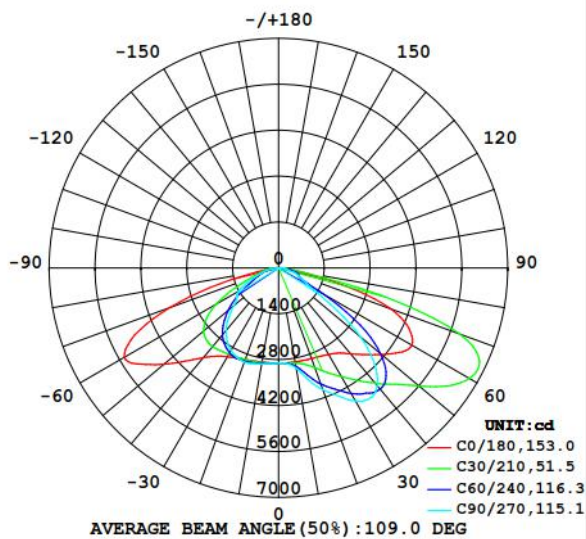
DATA OF LAMP

PHOTOMETRIC DATA

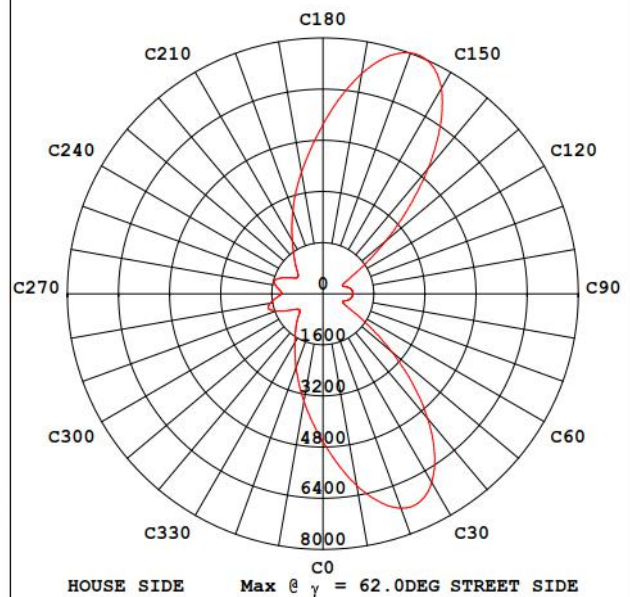
Eff: 131.68 lm/W

MODEL		Imax(cd)	7662	η street_up(%)	0.2
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	61.9
RATED VOLTAGE(V)	277	TOTAL FLUX(lm)	14946	η house_up(%)	0.2
NOMINAL FLUX(lm)	14945.7	MAXIMUM @ (C, γ)	165,62.0	η house_down(%)	37.8
LAMPS INSIDE	1	η up(%)	0.3	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	278.6	η down(%)	99.7	SLI	20.234

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



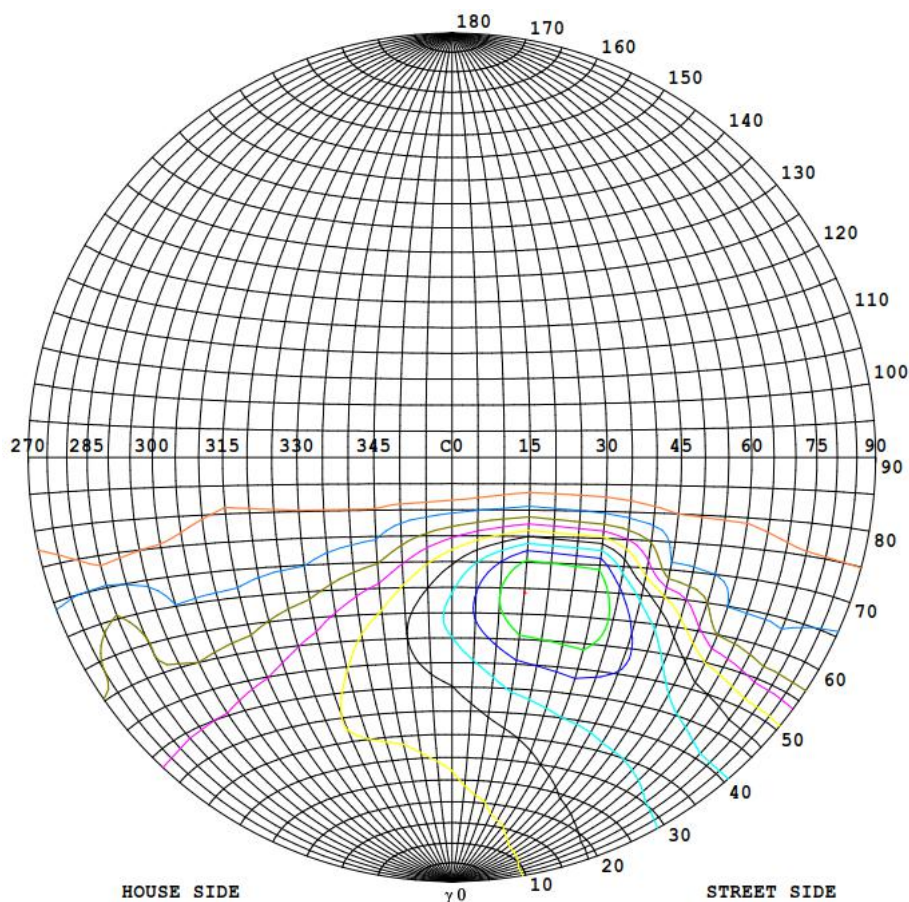
MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:YU
Test Date:2019-11-01

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

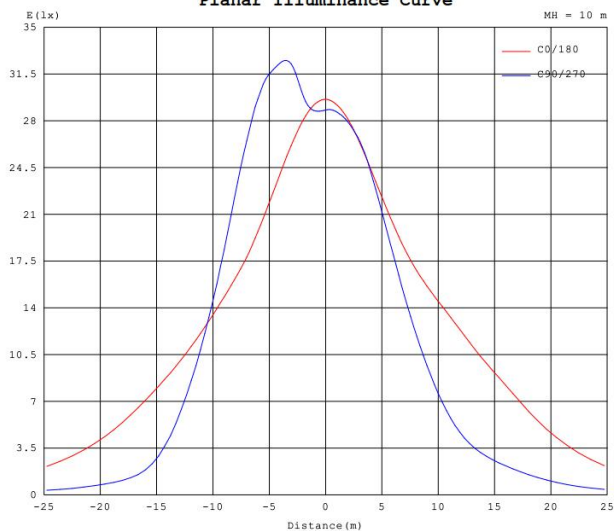


Classification:

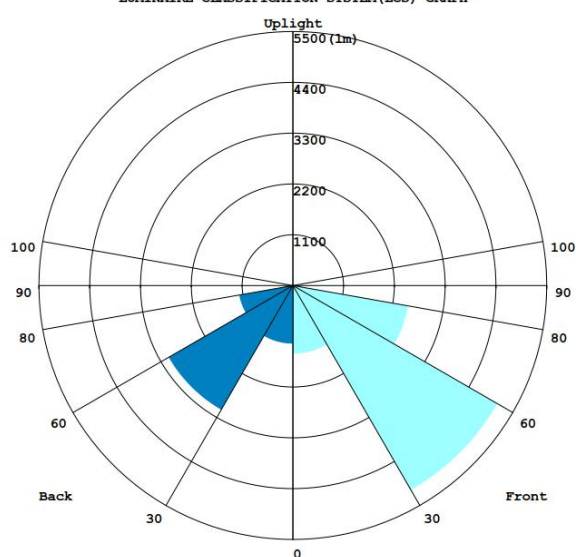
IES: Type II - Short
 CIE: Average - Intermediate
 IES: Cut-off
 CIE: Semi-cut-off
 Max. At 80: 71.26cd/klm
 Max. At 90: 6.896cd/klm
 Max. 80-90: 71.26cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7662
90%	6896
80%	6130
70%	5363
60%	4597
50%	3831
40%	3065
30%	2299
20%	1532
10%	766
5%	383

Planar Illuminance Curve



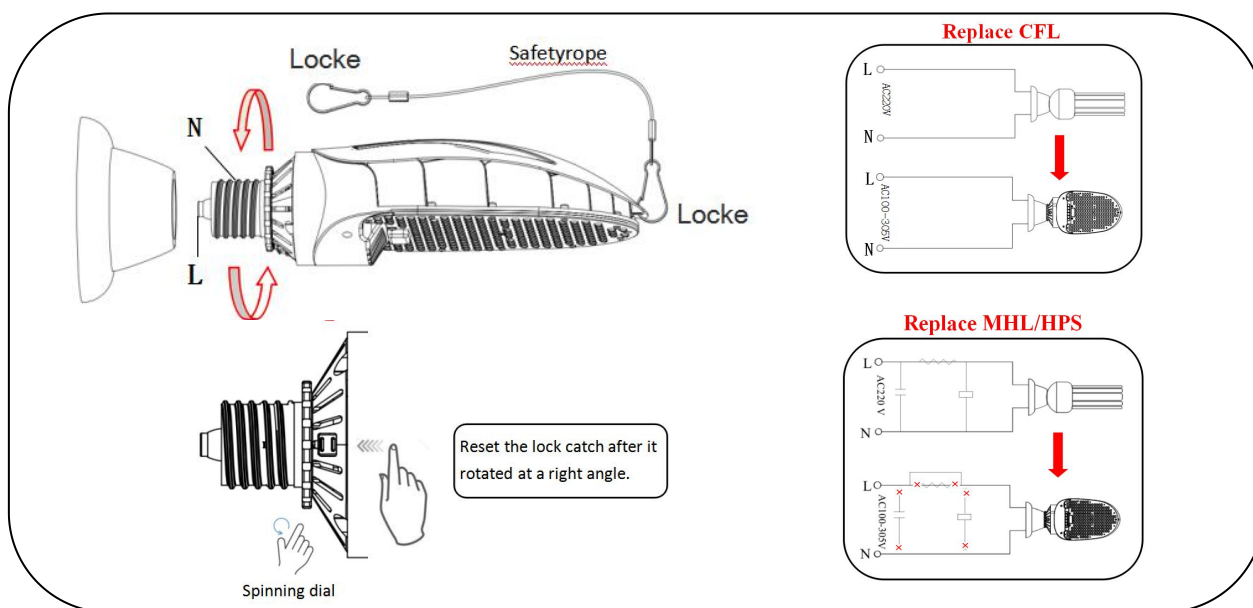
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Installation

- ✧ Ensure that the input voltage and frequency are within the specified range before installation.
- ✧ Please turn off the power before Installation.
- ✧ Push the switch on socket, Twist the led retrofit lamp into lamp holder, then adjust to right angle and reset the switch to fix the led retrofit lamp.
- ✧ Turn on power to test after installation.

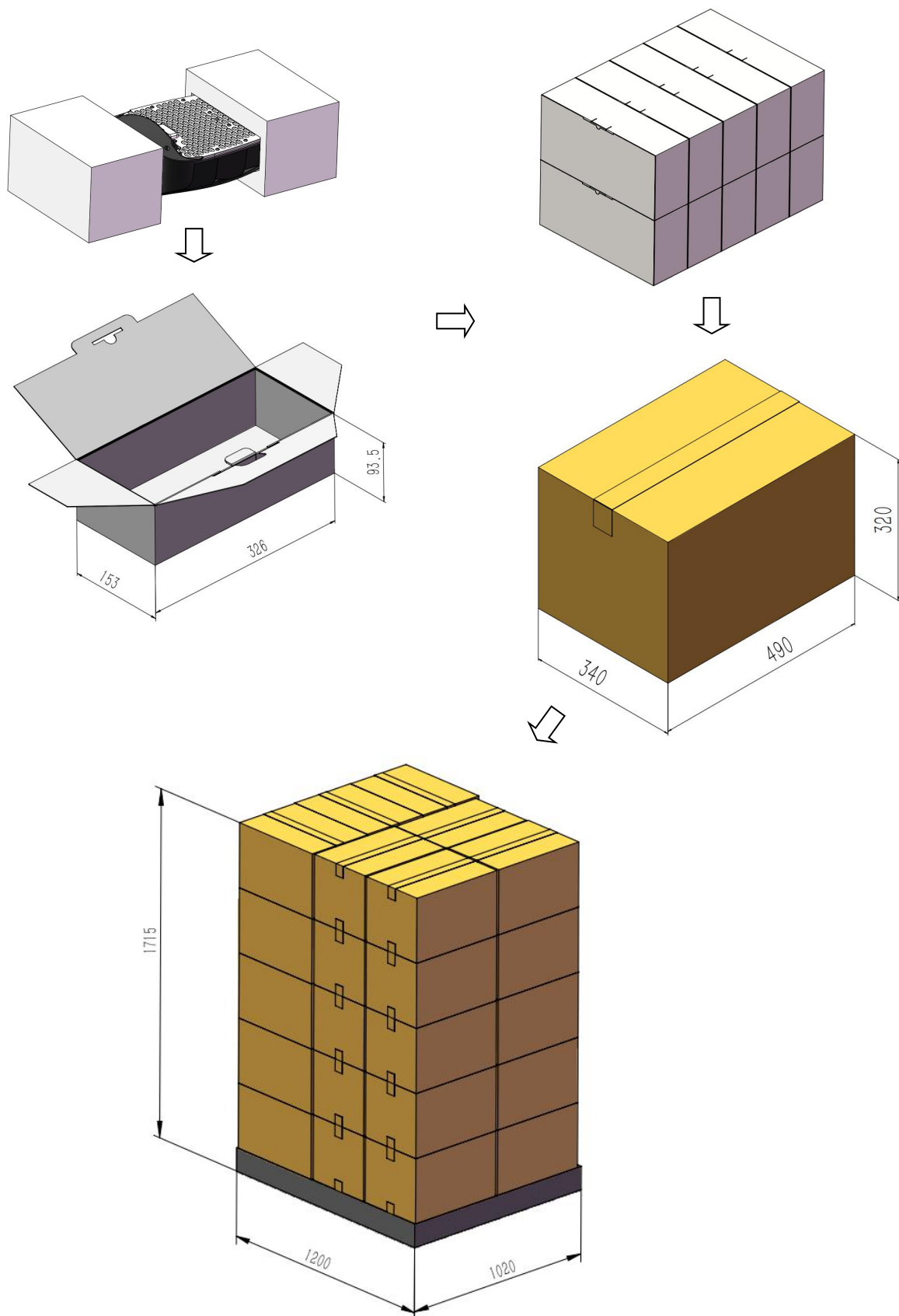
Diagram:



Product pictures



Product Packaging



PE foam+white inner box+outer box, 10pcs/ctn, 35 cartons/pallet, 508KG

■ Precautions

- ✧ The installation must be firm and reliable.
- ✧ After the installation and wiring of the light is completed, the power is tested again to guard against electric shock.
- ✧ Please do not open the light and change the electrical structure to prevent damage to the light. The damage caused is not covered by the warranty.
- ✧ With temperature control function, the lamp power will be automatically down to 60% when working temperature is 95°C at special situation.

The lamp can not be illuminated normally:

- ✧ After the light is not on, please check if the wiring is connected after power off.
- ✧ If the wiring is normal, no appearance damage, please contact the dealer or service center immediately.

After-sales service and repair:

- ✧ In any case, if there is a problem, please contact your dealer or service center immediately.
- ✧ This product is repaired free of charge during the warranty period, and the appropriate material fee will be charged after the expiration of the warranty period.
- ✧ The company provides a hotline to answer various questions from users. Please call at 0755-28151799 or email to info@toplightled.com