

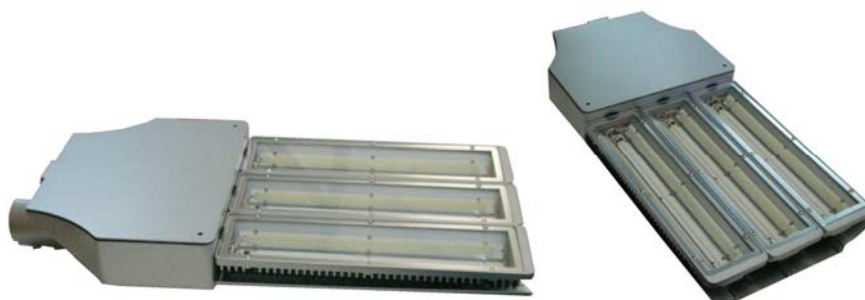


SPECIFICATION FOR ALDER

MODEL : AM-LL17-xxx-570x274-cc-P1-E-T2T4



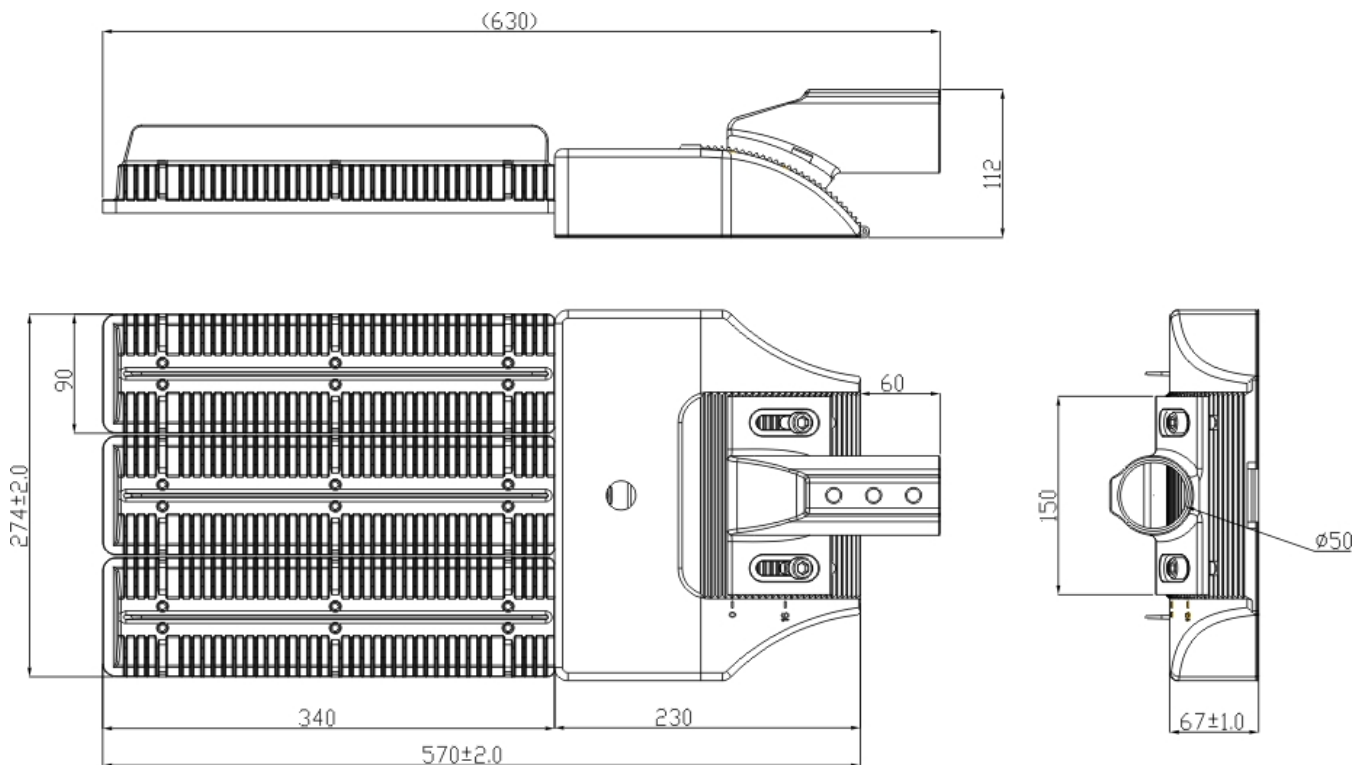
Product Characteristics



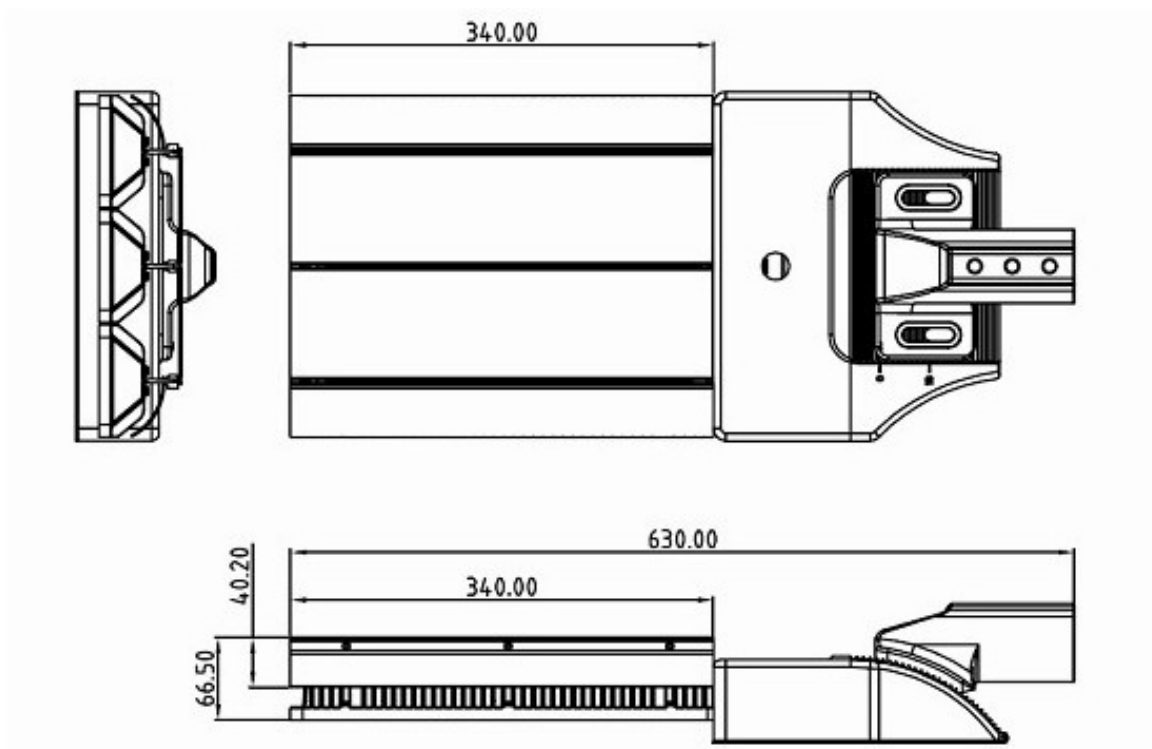
LL17 (street Light) is an LED Street Light with modular design. The light module can be easily changed or fit for different power of street light without changing the power box and holder. The unit power consumption for each light module is 40W. Another feature of design makes the tilting angular adjustment very easy from 0-16° at the back side of power box module.

Product Features			
Model Name	Street Light		
	40W	80W	120W
PCB Type & Nos.	AB-A112-300x18-E-T4x2 AB-A56-300x18-E-T2x 1	AB-A112-300x18-E-T4x4 AB-A56-300x18-E-T2 x2	AB-A112-300x18-E-T4x6 AB-A56-300x18-E-T2x3
No of Light modules	1	2	3
Input Voltage (AC, V) *Note 2	90~ 264		
Power Consumption, P _{system} (W) *Note 2	40	80	124
Output Voltage (DC, V) CV□ *Note 1	24	24	24
Output Current (DC, A) CC■ *Note 1	1.48	3.0	4.5
Power Consumption (LED), P _{LED} (W)	36	72	108
LED-Type	AS-3528ccA2-C2 , AS-3528ccA2-C4	AS-3528ccA2-C2 , AS-3528ccA2-C4	AS-3528ccA2-C2 , AS-3528ccA2-C4
Q'ty of LED (PCS)	280	560	840
Beam Spread Angle (°)	140/ 100		
Outline Dimensions (Lx W x H, mm)	570x 274x 112		
Weight (Kg)	5.0	7.0	8.0
Operation Temperature (°C)	-20 ~ +50		
Storage Temperature (°C)	-20 ~ +50		
Lifetime of Light Source (hr)	50,000		
Dimming Control	-		
Notes:			
Note 1 => CV for Constant Voltage and CC for constant Current.			
Note 2 => Suggested Led Driver are:			
40W – AP-M-V-CC-LP1040-24-C1425-HS-IP66			
80W – AP-M-V-CV-CLG10027-MW-IP67			
120W -- AP-M-T-CV-CLG-150-36A-MW			

Outline Dimensions:

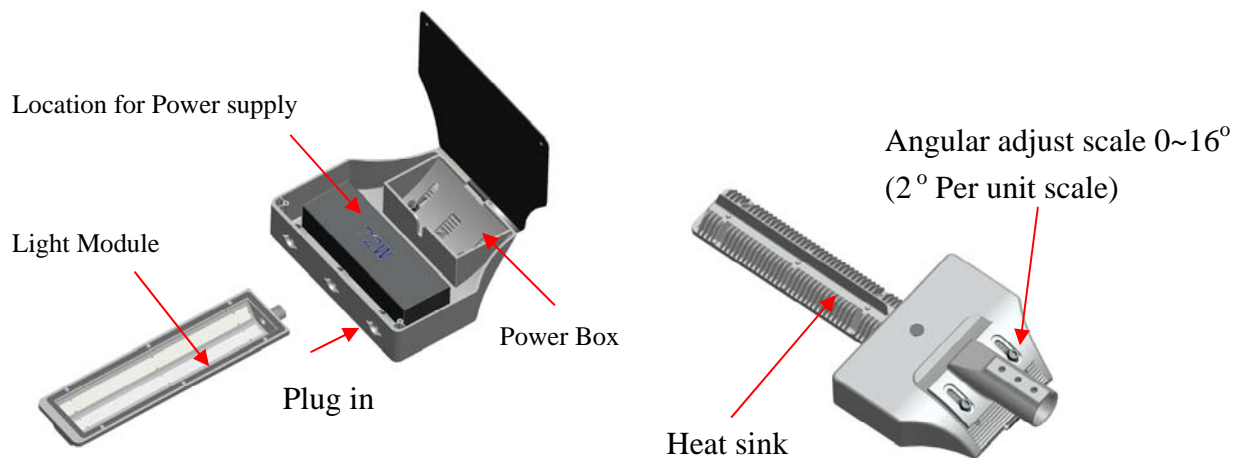


Contain Back-Cover Details

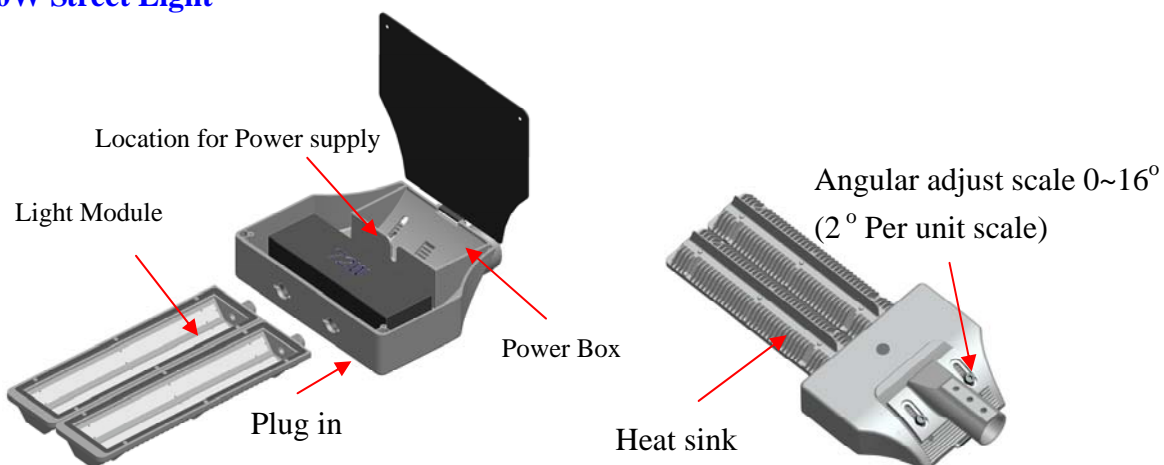


1. Assembly Perspective : (Changeable light module)

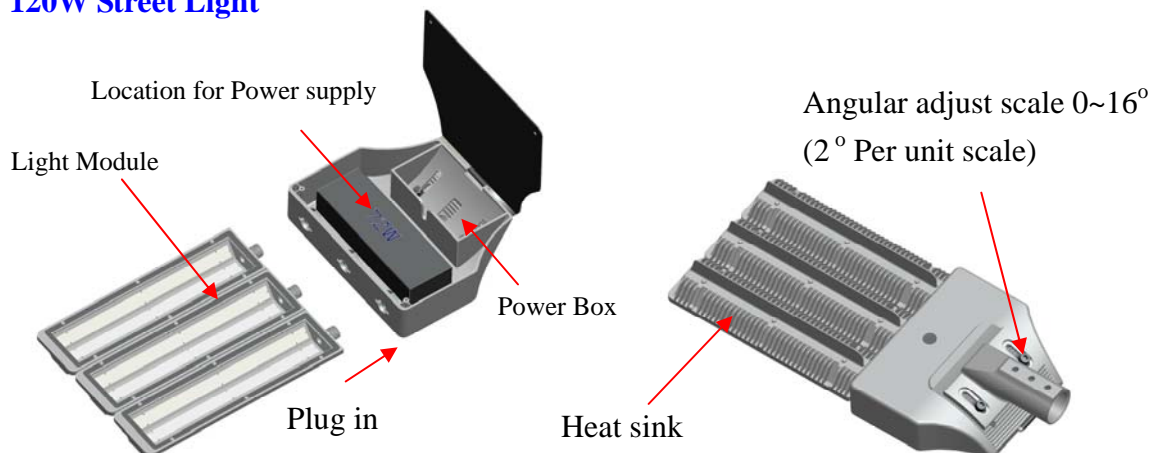
(A) 40W Street Light



(B) 80W Street Light



(C) 120W Street Light



Optional Heat Sink Color / Optional of Diffuser: ■ NA

Optical Characteristics:

1. CCT and Luminous Flux (A)Q' ty light Module: 1

Product Code	Name	Color Temperature (K)	Lumen (Lumen)
AM-LL17-280-570x274-WC-P1-E-T2T4	Cool White	6500	2650
AM-LL17-280-570x274-WD-P1-E-T2T4	Day White	5000	2650
AM-LL17-280-570x274-WN-P1-E-T2T4	Normal White	4000	2650
AM-LL17-280-570x274-WW-P1-E-T2T4	Warm White	3000	2400
Notes: Tolerance of Lumen: ±10 %			

(B)Q' ty light Module: 2

Product Code	Name	Color Temperature (K)	Lumen (Lumen)
AM-LL17-560-570x274-WC-P1-E-T2T4	Cool White	6500	5200
AM-LL17-560-570x274-WD-P1-E-T2T4	Day White	5000	5200
AM-LL17-560-570x274-WN-P1-E-T2T4	Normal White	4000	5200
AM-LL17-560-570x274-WW-P1-E-T2T4	Warm White	3000	4700
Notes: Tolerance of Lumen: ±10 %			

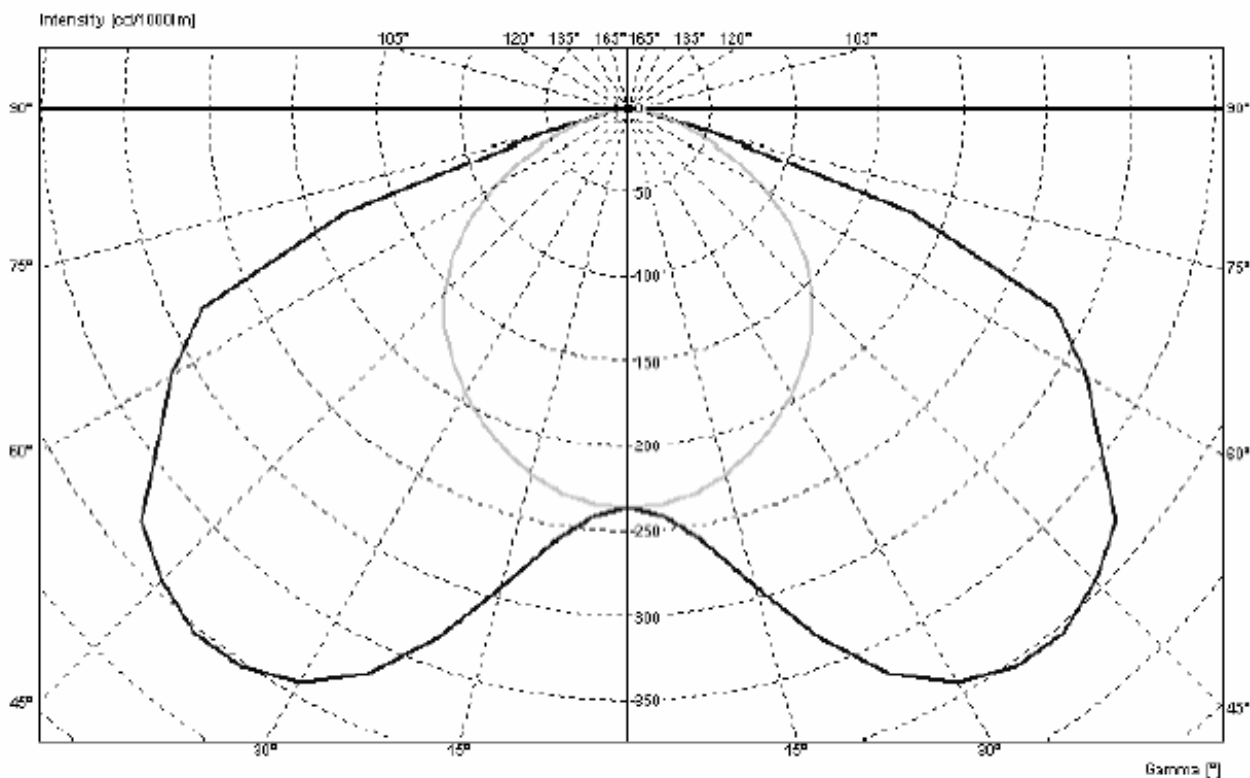
(C)Q' ty light Module: 3

Product Code	Name	Color Temperature (K)	Lumen (Lumen)
AM-LL17-840-570x274-WC-P1-E-T2T4	Cool White	6500	7650
AM-LL17-840-570x274-WD-P1-E-T2T4	Day White	5000	7650
AM-LL17-840-570x274-WN-P1-E-T2T4	Normal White	4000	7650
AM-LL17-840-570x274-WW-P1-E-T2T4	Warm White	3000	6900
Notes: Tolerance of Lumen: ±10 %			

2. Color Rendering Index

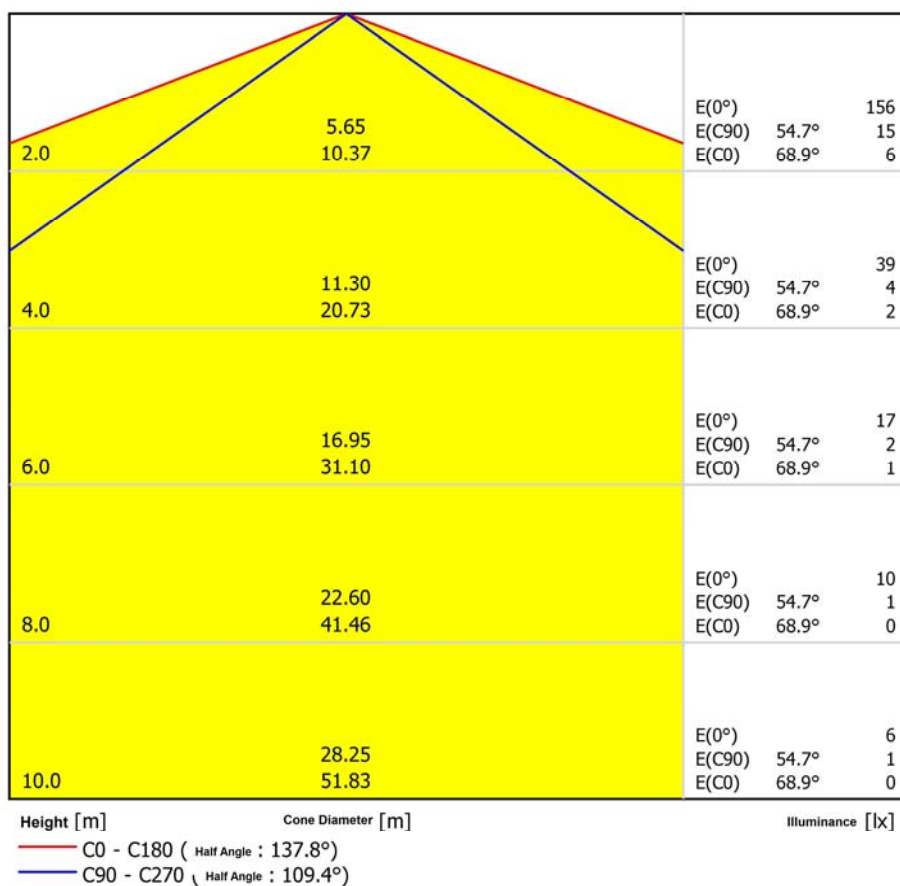
1. CRI 60 typically for Warm White and 70 typically for Cool White.
2. The higher CRI can also provide on special request.

3. Polar diagram

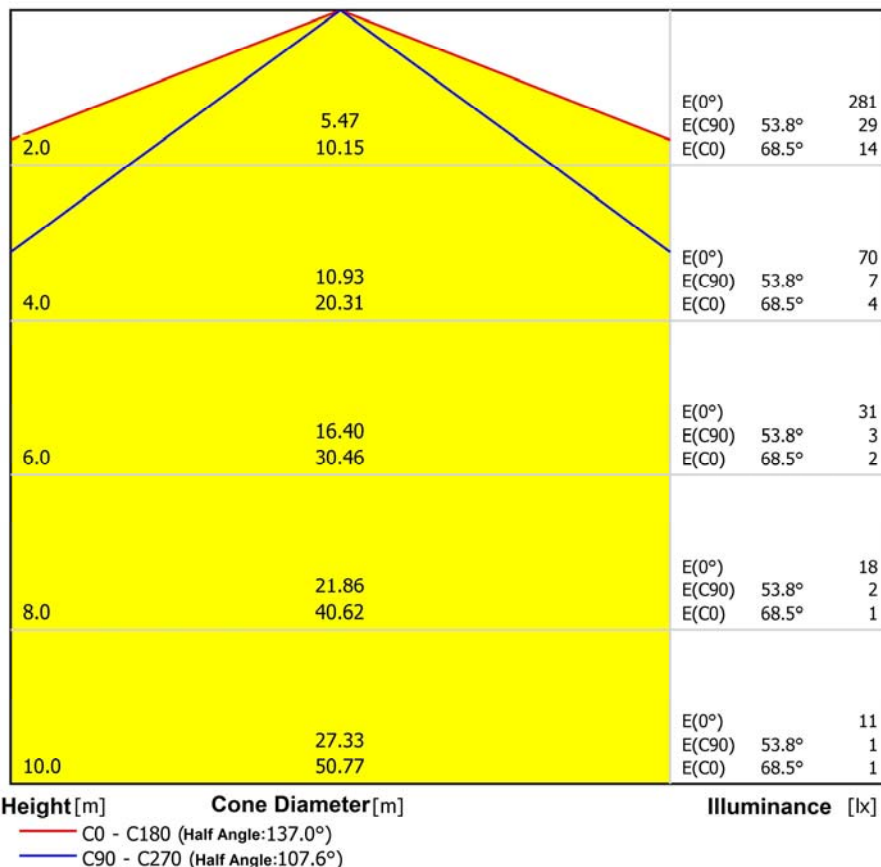


4. Illumination Map

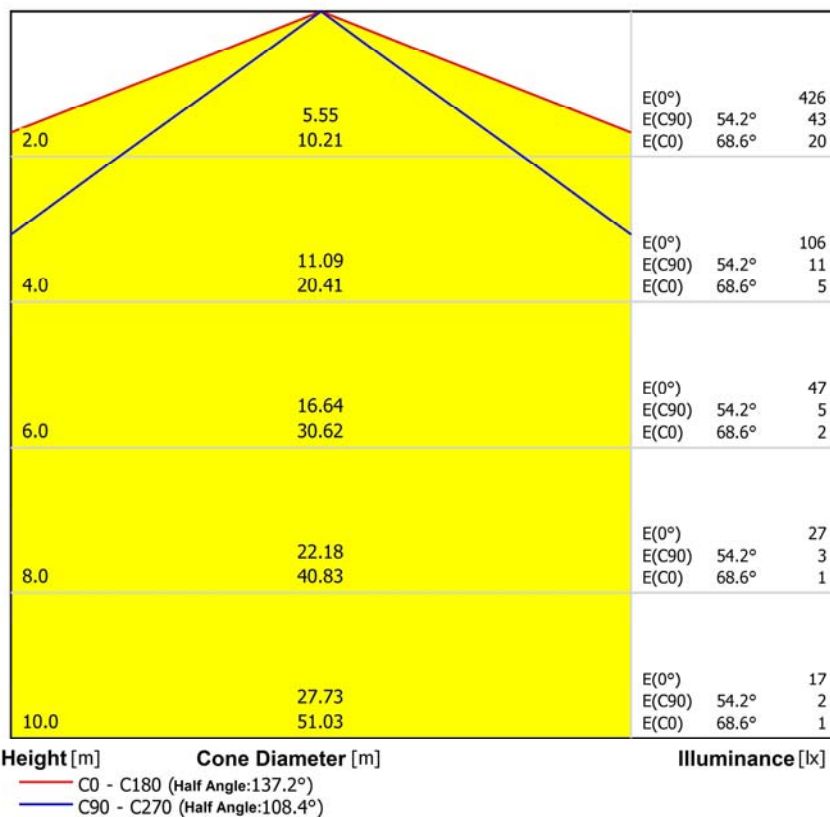
1. Tolerance of Lux: $\pm 15\%$
2. Model: 40W (■6 M ■8 M ■10 M)



3. Model: **80W** (■6 M ■8 M ■10 M)



4. Model: **120W** (■6 M ■8 M ■10 M)

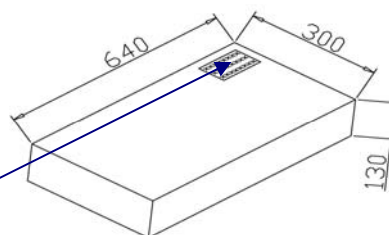


Product shipment & Label & Package Related:

1. (A) Inner box

AM-LL17-XXX-570x274-cc-P1-E-T2T4
LOT NO :XXXXXX
Color Temp:XXXX K

Label for Inner box

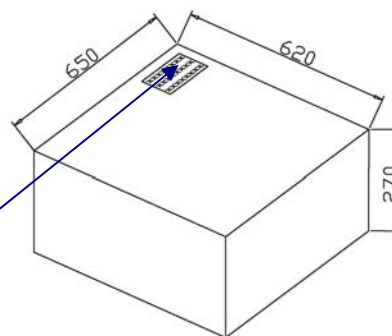


Inner Box

(B) Carton (Outer box)

Alder Optomechanical Corp.
Model:AM-LL17-XXX-570x274-cc-P1-E-T2T4
Lot No.:XXXXXXXXXX
CCT.:XXXXK
Qty:XXX pcs

Label for Carton (Outer box)



Carton (Outer box) /4Pcs

Accessory: ■ NA

Type of Led Driver: ■ NA

Dimming Control: ■ NA

Attachment: ■ NA

Revision Record:

Issued Date	Version	Description / Page	Revised by	Remark
2009/ 06/ 16	T1.3	Revise pg 1 Power consumption P_{system} The eff for 40W&80W=0.9; 120W=0.93	Mulian	Ck request.
2009/ 09/ 10	T1.4	Release Version 1.4	Joel/ Vatia	Form Change
2009/09/25	T1.5	Revise the 120W module 4.5A to 4.0A and related Psystem and Pled value and Luminous.	Mulian	200W Driver not ready.
2009/10/11	T1.6	Add in Polar diagram	mulian	Real measured data from German
2009/10/17	T1.7	Revise the 120W module from 4.0A to 4.5A due to New Driver source available. Add suggested driver on page 2.	mulian	
2009/12/29	1.0	Release	Joel	