

0.24W
0.48W
0.72W

25LM
50LM
80LM

135°175°

IP67

LifeSpan
50,000h

MINI Module for 2-6cm Depth Signs

Injection molding plus ultrasonic welding technology,
protection grade up to IP67.

Diamondback 135°175°optic lens with uniform illumination.

DC 12V



Features

- Powered by high output 2835 LED.
- Constant Voltage.
- Diamondback 135°175° optic lens.
- 40 pcs per string.
- CE, RoHS,UL,TUV, BIS, CB and LM-80 certified.

Color Temperature



Application

- Apply to 3-8 cm depth signs at airports, metros, banks, buildings and shopping malls, etc.

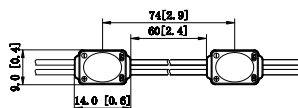
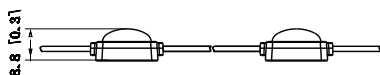
Parameters

Items	Parameters		
Part Number	ZE01CA1	ZE02CA1	ZE03CA1
CCT (K)	6500K/Red/Blue/Green	6500K/Red/Blue/Green	6500K/Red/Blue/Green
Beaming Angle (°)	135*175	135*175	135*175
CRI (Ra)	≥80	≥80	≥80
Luminous Flux (lm)	25	50	80
Voltage (V)	DC12	DC12	DC12
Power (W)	0.24	0.48	0.72
Driving Method	Constant Voltage	Constant Voltage	Constant Voltage
Dimension (mm)	14*9*8.8	26*9*9	38*9*9
Working Tem. (°C)	-25 ~ +60	-25 ~ +60	-25 ~ +60
Storage Tem. (°C)	-25 ~ +70	-25 ~ +70	-25 ~ +70
Protection Grade	IP67	IP67	IP67

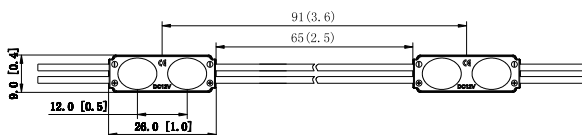
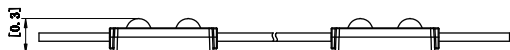
Dimension

Unit:mm

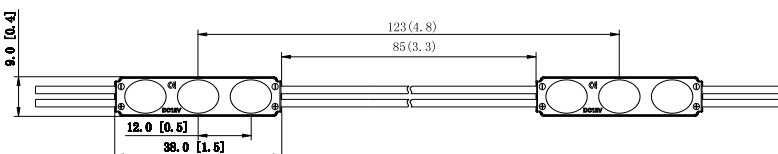
ZE01CA1



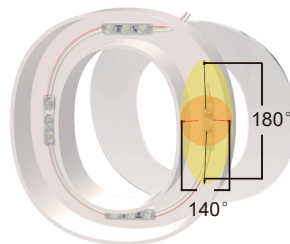
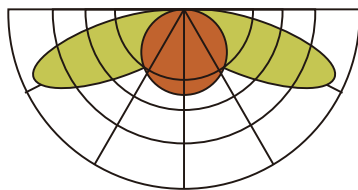
ZE02CA1



ZE03CA1



Beaming Angle



Reference Scheme



ZE01CA1

Depth(mm)	Size(mm)	Distance(mm)	Quantity (pcs)	Density(pcs/m ²)	Power per (m ²)	Illumination(lux)
20	120*120*20	30	12	50	12	5430
30	140*140*30	40	12	50	12	5300
40	160*160*40	50	12	50	12	4200
50	180*180*50	60	12	50	12	3900
60	200*200*60	70	12	50	12	3700

ZE02CA1

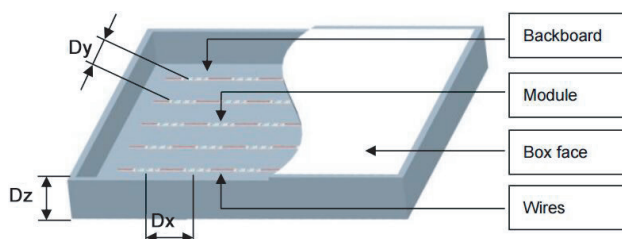
Depth(mm)	Size(mm)	Distance(mm)	Quantity (pcs)	Density(pcs/m ²)	Power per (m ²)	Illumination(lux)
20	120*120*20	42	10	42	20	12000
30	140*140*30	50	12	50	24	10500
40	160*160*40	52	12	50	24	7100
50	180*180*50	52	15	63	30	6200
60	200*200*60	52	18	75	36	6200

ZE03CA1

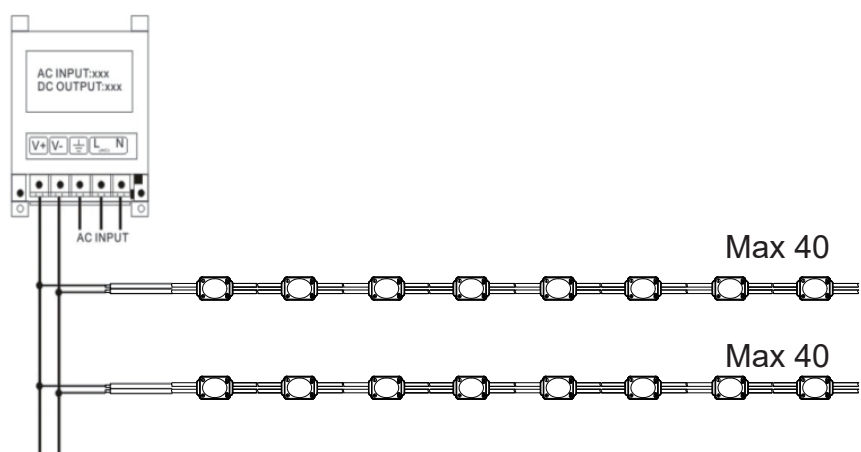
Depth(mm)	Size(mm)	Distance(mm)	Quantity (pcs)	Density(pcs/m ²)	Power per (m ²)	Illumination(lux)
20	120*120*20	50	8	33	24	12000
30	140*140*30	58	10	42	30	10500
40	160*160*40	70	10	42	30	7100
50	180*180*50	70	13	54	59	6200
60	200*200*60	70	18	75	54	6200

Remark:

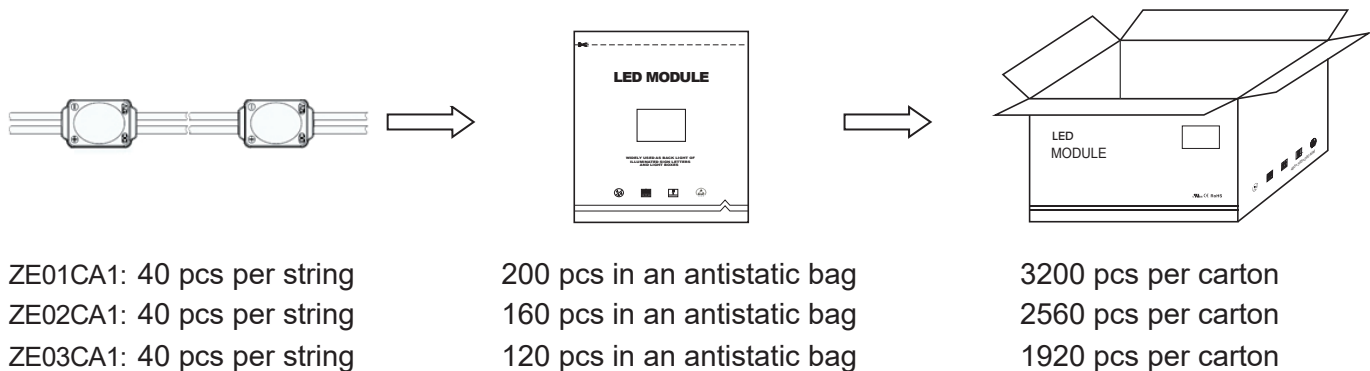
- The acrylic plate in the case is 3mm thickness, and the light transmittance is 54.4%.
- The illumination above is the minimum data when evenly lighted.
- The above data is for reference only.



Wire Connection >



Packing >



Packing Specification >

- Antistatic bag adopted
- Packing information

Part Number	ZE01CA1	ZE02CA1	ZE03CA1
Carton dimension(mm)	390*290*340	390*290*340	390*290*340
Bags per carton	16	16	16
Quantity per carton(pcs)	3200	2560	1920
Net Weight(kg)	6(1±10%)	7.2(1±10%)	7.8(1±10%)
Gross Weight(kg)	7.5(1±10%)	8.7(1±10%)	9.3(1±10%)

- Due to the packing manner difference, please adhere to the original products in case of discrepancy found between the picture and actual product.

Warning



- Disassembling or modifying the product is forbidden.
- Installation with power on is forbidden.
- Any organic solvent chemical is forbidden.
- Acidic or alkaline adhesive is forbidden when install, neutral glass cement could be used for installation purpose, make it drying in open environment for four hours.
- Isolation and corrosion prevention on all wiring points and wire ends.
- Make sure the power wire is thick enough and ensure the voltage and connections are connected correctly before power on.
- This product should be used in a sign, do not expose it in opening site.
- Installation, maintaining should be done by professional staff.
- 40 pcs in a serial connection maximum.
- The power wire between power supply and module should be less than two meters to keep the same brightness on all parts.
- Attached with 3M tape.

Declaration



- Warranty: 5 years.
- In order to ensure the safety, the broken wires need to be replaced by the manufacturer or the service agent, or by the staff with the similar qualification.
- The given data in the specification was based on the laboratory testing, there may be discrepancy found in the actual products.
- The given drawings in the specification are only for reference, there may be discrepancy found in the actual products.
- The products are subject to change without prior notification.



RoHS



CB LM-80



Distributor :

Energy Power Save CO.,LTD.

442/2 Chan Road, Thung-watdon Sathon Bangkok Thailand 10120

Email : info@ledartlamp.com, www.ledartlamp.com