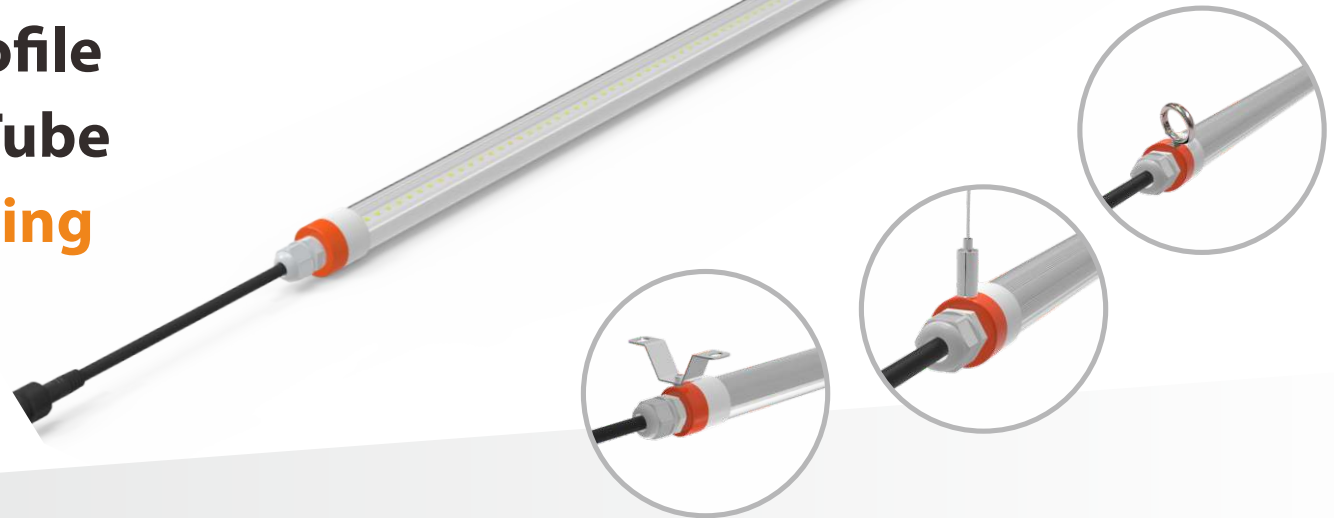




IP67 Corrosion-Free Low-Profile Linkable T8 Dimmable LED Tube Designed for Livestock Farming **SPECIFICATION**



Product Brief

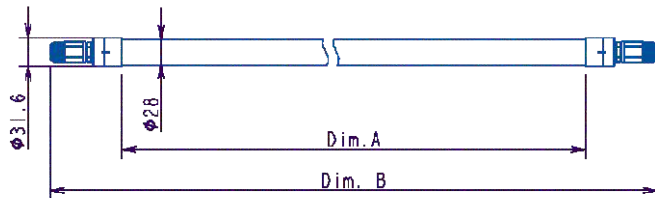
MKLIGHTS MKXA is a low-profile tubular luminaire that is designed for the application places of long exposure to the harsh environments, such as livestock farm. It provides a Flicker Free Top Triac Dimming Technology from 0.2%-100% to simulate the sunrise and sunset, which largely improve animal welfare. IP67 Ingress Protection and Corrosion-Free design protects against high pressure washdown and ammonia corrosion. Seamless and smooth luminaire body make it very easy to clean.

Application

- › Chicken farm
- › Pig houses
- › Birdcage
- › Refrigerator
- › Sheepfold
- › Cowshed
- › Horse stable and more agricultural
- › Freezer



Dimension Unit:mm



Length	Dim.A	Dim.B
600mm	547	702
1200mm	1147	1302
1500mm	1447	1602
1800mm	1745	1900

S/N Rules

WP X A - XX TD - SE/VE/FE { Ex MK 5 A - 28 TD - SE }

① ② ③ ④ ⑤ ⑥ ① ② ③ ④ ⑤ ⑥

- ① MK: Brand"MKLIGHTS"
- ② X(5): Length:1500mm(5ft); 2:600mm(2ft), 3,3ft...
- ③ A: Product Structure Series
- ④ XX(28): Power Consumption
- ⑤ TD:Triac Dimmable
- ⑥ SE: Standard 120° Beam Angle Economical Model
VE:V-Shape 150° Beam Angle Economical Model
FE: V-Shape Full Spectrum broilers Version Economical Model

Working Conditions



Product Design

Ammonia & Acid Resistance

Superior outer shell is specially designed to withstand the hard farm environment filled with ammonia and acid.

IP67 Structural Waterproofing

IP67 Structurally waterproof can withstand the high-pressure water cleaning

World-Leading Triac Dimming Technology, Improve Animal Welfare

Flicker-free smooth Dim-to-0.2% technology provides a perfect simulation of sunrise and sunset for livestock farming application to reduce stress on animals.

Save Energy Cost

High lighting efficiency, Up to 130-140lm/w, Save electricity cost

**Over 50000hrs Lifespan,
3 Years Warranty**

IP67 Male & Female Connectors

Waterproof male and female connectors allow for a simple, quick linkable installation, plug and play

Patent Rotating End-cap Design

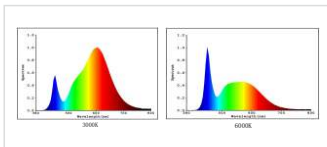
360° rotating end cap, available to adjust the lighting direction according to specific needs.

Improve Meat & Egg Production

2700-3000K for Layers
6000-6500K or Full Spectrum for Broilers

V-Shape Design, 150° Beam Angle, 120° Available

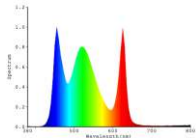
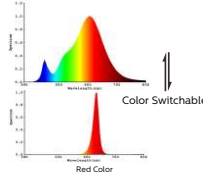
V-Shape Design provides wider beam angle and more uniform lighting distribution.



V-Shape

Flat-Shape

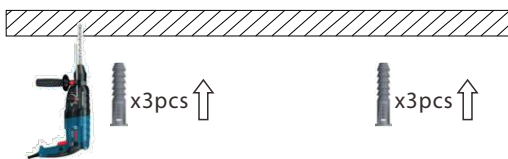
Data Sheet

Model No.	Dimension (mm)	Power (w)	Luminous Efficiency	CCT	CRI	Viewing Angle	Input Voltage(AC)	Light Source	LED Q'ty (pcs)	Frequency (HZ)
120 degree White Color (Triac Dimmable 0.2%-100%)										
MK2A-09TD-SE	600	9	120-130lm/w	3000K:3045±175k	>80	120°	AC100-120V or AC220-240V	SMD2835	56	50/60
MK4A-20TD-SE	1200	20	120-130lm/w	4000K:3985±275k	>80	120°		SMD2835	112	50/60
MK5A-24TD-SE	1500	24	120-130lm/w	5000K:5029±283k	>80	120°		SMD2835	168	50/60
MK6A-28TD-SE	1800	28	120-130lm/w	6000K:6065±415k	>80	120°		SMD2835	192	50/60
V-shape Version with 150degree White Color (Triac Dimmable 0.2%-100%)										
MK2A-09TD-VE	600	9	120-130lm/w	3000K:3045±175k	>80	150°	AC100-120V or AC220-240V	SMD2835	96	50/60
MK4A-20TD-VE	1200	20	120-130lm/w	4000K:3985±275k	>80	150°		SMD2835	192	50/60
MK5A-24TD-VE	1500	24	120-130lm/w	5000K:5029±283k	>80	150°		SMD2835	216	50/60
MK6A-28TD-VE	1800	28	120-130lm/w	6000K:6065±415k	>80	150°		SMD2835	240	50/60
V-Shape(150°) Full Spectrum Broilers Version (Triac Dimmable)										
MK2A-09TD-FE	600	9	110lm/w		>80	150°	AC100-120V or AC200-240V	498nm & 625nm	96	50/60
MK4A-20TD-FE	1200	20	110lm/w		>80	150°			216	50/60
MK5A-24TD-FE	1500	24	110lm/w		>80	150°			240	50/60
MK6A-28TD-FE	1800	28	110lm/w		>80	150°			288	50/60
White+ Red Two Colors Switchable for Breeder/ Layers (Triac Dimmable) Red:White = 1:2										
MK4A-20TD-WRE	1200	7W+13W	Red:50lm/w White:120lm/w red+white: 100lm/w		>80	150°	AC100-120V or AC200-240V	3000K & 625nm	216	50/60
MK5A-24TD-WRE	1500	8W+16W			>80				240	50/60
MK6A-30TD-WRE	1800	10W+20W			>80				288	50/60

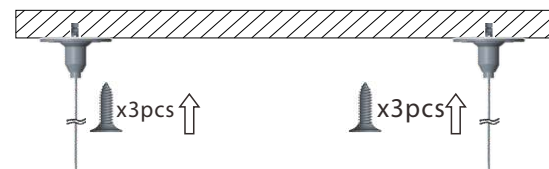
Installations

A.: Suspended Installation

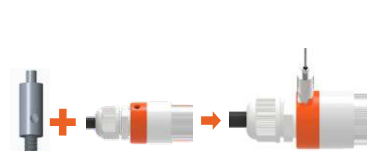
① Ceiling punch



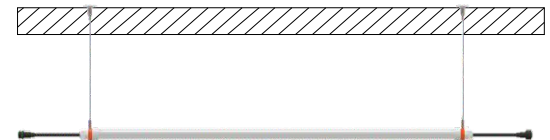
② Self-tapping screws hold the sling



③ Tighten the clamp

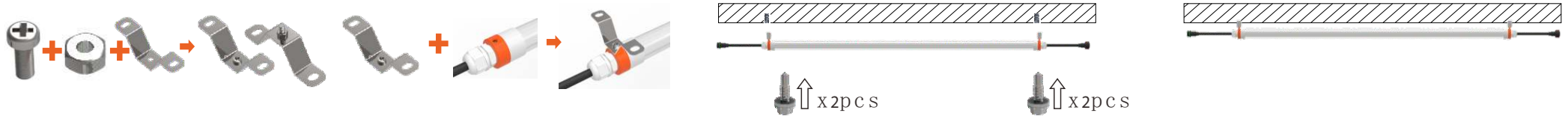


④ Hanging installed



B: Ceiling Installation

- ① Tighten double-threaded screw
- ② V shape mounting bracket fixed
- ③ Tapping screw tighten V shape bracket to the ceiling
- ④ Ceiling mounted



C: Series Connection



D: Ring Hook Installation



Recommended Installation Quantity(Rated Voltage:220V)

Q'ty(Suggested) Type	Power	9W	20W	24W	28W
		Dimmable (2000W Dimmer)	120pcs	55pcs	45pcs
Dimmable (4000W Dimmer)		240pcs	110pcs	90pcs	80pcs

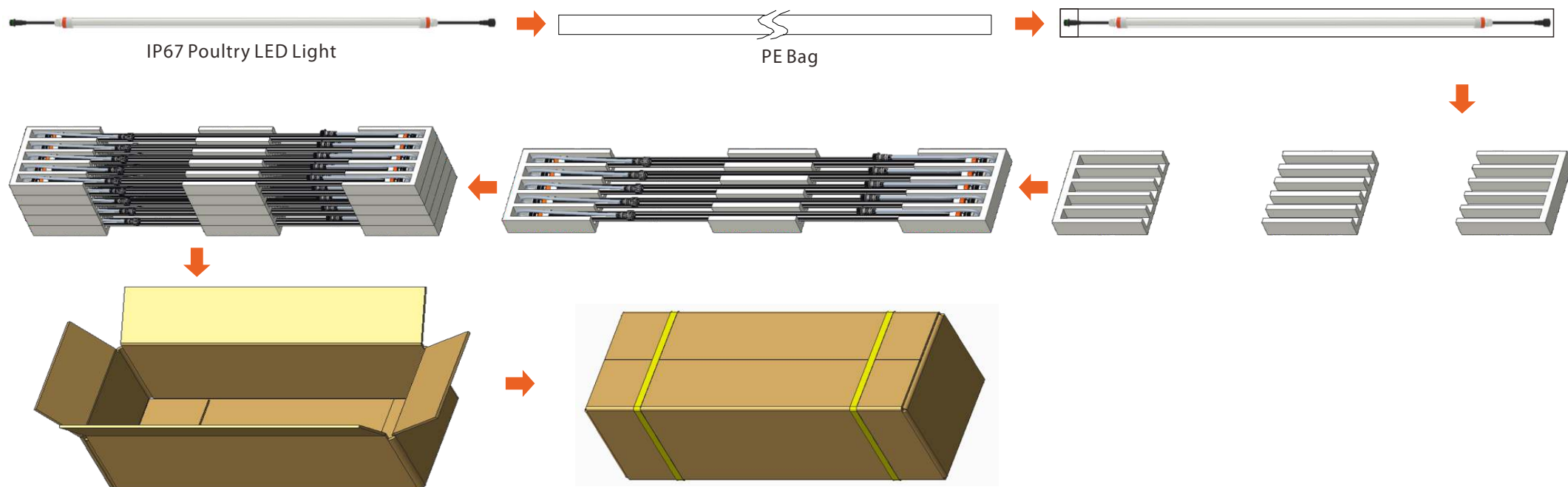
The quantity of 110V is halved

Accessories

A: For suspended installation					B: For ceiling mounted installation				D: Rings Installation
Top Clamping Plate	Expansion Rubber Plug	Tapping Screw	Clamp	Hanging Rope	Double-threaded Screw	Nut	V-shape Bracket	Tapping Screw	Rings
2PCS	6PCS	6PCS	2PCS	2PCS	2PCS	2PCS	2PCS	4PCS	2PCS
Fixed to the ceiling	Embedded ceiling, fixed screw	Embedded ceiling, fixed top clamping plate	Adjust rope length and hold it in place	Length adjustable	Fix end cap with the v-type bracket	Fixed V bracket	Ceiling mounted installation	Ceiling mounted installation	Rings installation

* 30cm cable with male is MKLIGHTS standard configuration.
Suspended, ceiling mounted or series connection installation will be paid additionally for accessories.

Package



Model No.	N.W.(kg)/CTN	G.W.(kg)/CTN	Packing Q'ty (PCS/CTN)	Single-end Cable (mm)	Carton Q'ty	Double-end Cable (mm)	Carton Q'ty
MK2A-9W	9.0	10.5	25	710 x240 x 260	20'GP 600CTNs	765x240 x 260	20'GP 550CTNs
					40'GP 1200CTNs		40'GP 1100CTNs
MK4A-20W	17.0	19.0	25	1310 x240 x 260	20'GP 300CTNs	1365 x240 x 260	20'GP 270CTNs
					40'GP 600CTNs		40'GP 540CTNs
MK5A-24W	20.0	22.0	25	1610 x240 x 260	20'GP 250CTNs	1665 x240 x 260	20'GP 220CTNs
					40'GP 500CTNs		40'GP 440CTNs
MK6A-28W	25.0	27.0	25	1910 x240 x 260	20'GP 220CTNs	1965 x240 x 260	20'GP 200CTNs
					40'GP 440CTNs		40'GP 400CTNs