

Description

High Efficacy 130 lm/W

Excellent Light Distribution and Uniformity

Wireless / Built-in 20KV Surge Protection Device.



Applications

Road Lighting

Certification

CE / UL / FCC / DLC / PSE / SABS / TIS / KC

Specifications

(* Tolerance : $\pm 5\%$)

Model Name	MT130	
Power Consumption	130W	
Light source	0.2W Mid Power LED Chips (Qty : 576 pcs)	
Correlated Color Temperature	5000K (4000K / 5700K available)	
Luminous Flux *	16,900 lm	
Luminous Efficacy *	130 lm/W	
LED Driving Current *	72.2 mA	
Color Rendering Index	80 Ra	
Light Distribution	Type III-S	
BUG Rating	B3 – U2 – G3 (Backlight – Uplight – Glare)	
LED Chip Manufacturer	SAMSUNG	
Input Voltage	100 - 277 Vac	100 - 240 Vac
Input Current	Max 1.55A (@100Vac)	
Power Factor	≥ 0.9 at Max load	
Frequency	50 / 60 Hz	
Surge Protection	Line-Line 20kV, Line-FG 20kV	
Driver Type	Constant Current (CC)	
Fixture & Driver Manufacturer	KMW INC. / Made in Korea	
Size (L x W x H)	19.9 x 18.9 x 6.0 (inch)	505 x 480 x 152.8 (mm)
Weight (Driver included)	17.6 lb	8.0 Kg
Material	Body	Cast Aluminum
	Optic	Silver Coating Reflector
	Cover	Tempered Glass 4.0T (Clear)

Finish	Powder Coating		
IP Rating	IK Rating	IP66	IK08
Mounting Option	Horizontal Tenon Mount		
Mount Hole	Ø2.38 inch Pipe Applied	Ø60.5mm Pipe Applied	
Operating Temperature	-22°F ~ 140°F	-30°C ~ 60°C	
Life Time	50,000 Hours (@77°F / 25°C)		
Warranty	5 Years (12 hours usage per day)		
Option			
Control System	Wireless (ZigBee) / Sensor (Daylight)		
Junction Box	Horizontal Tenon Mount		

Control System (Optional)

ZigBee	Wireless Control	
Input Voltage	15 Vdc	
Max. Power Consumption	0.3 W (@15Vdc)	
Standard	2.4 GHz - IEEE 802.15.4 (Compatible)	
Network	Mesh	
RF Tx Power	Max. +8 dBm (Typ. 5 dBm)	
Data Rate	250 kbps	
Security	128 bit AES Encryption Algorithms	
Dimmer	PWM, 0 – 10 Vdc	
Antenna	Omni Type, 2 dBi	
Daylight Sensor	Smart Sensor Module	
Operating Voltage Range	5 – 50 Vdc (TYP. 15 Vdc)	
Max. Power Consumption	0.6 W (@15Vdc)	
Operating Temperature Range	-22°F ~ 122°F / -30°C ~ 50°C	
Detectable Illumination Range	9.2 – 92 fc (Default : 64 fc) / 100 – 1,000 lx (Default : 700 lx)	
LED Light Bi-level Setting	0 % to 30 % (Adjustable) / 10% (Default)	
Output Signal	PWM	
Weight	0.33 lb / 150 g	

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Applications

Expressway / Highway / Street

Certification

CE / UL / FCC / DLC / PSE / SABS / TIS / KC

Specifications

(* Tolerance : $\pm 5\%$)

Model Name	MT150	
Power Consumption	150W	
Light source	0.2W Mid Power LED Chips (Qty : 704 pcs)	
Correlated Color Temperature	5000K (4000K / 5700K available)	
Luminous Flux *	19,500 lm	
Luminous Efficacy *	130 lm/W	
LED Driving Current *	68.2 mA	
Color Rendering Index	80 Ra	
Light Distribution	Type III-S	
BUG Rating	B3 – U2 – G3 (Backlight – Uplight – Glare)	
LED Chip Manufacturer	SAMSUNG	
Input Voltage	100 - 277 Vac	100 - 240 Vac
Input Current	Max 1.9A (@100Vac)	
Power Factor	≥ 0.9 at Max load	
Frequency	50 / 60 Hz	
Surge Protection	Line-Line 20kV, Line-FG 20kV	
Driver Type	Constant Current (CC)	
Fixture & Driver Manufacturer	KMW INC. / Made in Korea	
Size (L x W x H)	19.9 x 18.9 x 6.0 (inch)	505 x 480 x 152.8 (mm)
Weight (Driver included)	17.6 lb	8.0 Kg
Material	Body	Cast Aluminum
	Optic	Silver Coating Reflector
	Cover	Tempered Glass 4.0T (Clear)

Finish	Powder Coating		
IP Rating	IK Rating	IP66	IK08
Mounting Option	Horizontal Tenon Mount		
Mount Hole	Ø2.38 inch Pipe Applied	Ø60.5 mm Pipe Applied	
Operating Temperature	-22°F ~ 140°F	-30°C ~ 60°C	
Life Time	50,000 Hours (@77°F / 25°C)		
Warranty	5 Years (12 hours usage per day)		
Option			
Control System	Wireless / Sensor (Daylight)		
Junction Box	Horizontal Tenon Mount		

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Control System (Optional)

MESH	Wireless Control
Input Voltage	15 Vdc
Max. Power Consumption	0.3 W (@15Vdc)
Standard	868/916 MHz
Network	Mesh
RF Tx Power	Max. +8 dBm (Typ. 5 dBm)
Data Rate	250 kbps
Security	128 bit AES Encryption Algorithms
Dimmer	PWM, 0 – 10 Vdc
Antenna	Omni Type, 2 dBi
Daylight Sensor	Smart Sensor Module
Operating Voltage Range	5 – 50 Vdc (TYP. 15 Vdc)
Max. Power Consumption	0.6 W (@15Vdc)
Operating Temperature Range	-22°F ~ 122°F / -30°C ~ 50°C
Detectable Illumination Range	9.2 – 92 fc (Default : 64 fc) / 100 – 1,000 lx (Default : 700 lx)
LED Light Bi-level Setting	0 % to 30 % (Adjustable) / 10% (Default)
Output Signal	PWM
Weight	0.33 lb / 150 g

Description

Real-Time Video Surveillance Over Smart Devices
 2 Mega pixel X10 PTZ Camera LED Lighting (125 lm/W)
 Cost & Energy Saving Through Wireless Network



Applications Major Crime Area / Industrial Facility / Shopping Mall / School Zone
 / Parking Lot / Driveway Walkway / Hospital

Specifications

(* Tolerance : ± 5%)

Model Name	SPES-ST-WP	
Power Consumption	120W (LED : 100W, AP/CAM : 20W)	
Light source	0.2W Mid Power LED Chips (Qty : 384 pcs)	
Correlated Color Temperature	5000K	
Luminous Flux *	12,500 lm	
Luminous Efficacy *	125 lm/W	
LED Driving Current *	83.3 mA	
Color Rendering Index	80 Ra	
Light Distribution	Type II-S	
BUG Rating	B3 – U1 – G3 (Backlight – Uplight – Glare)	
LED Chip Manufacturer	SAMSUNG	
Input Voltage	100 ~ 277 Vac	
Input Current	LED - Max. 1.15A (@100Vac) AP/CAM – Max. 0.16 (@115Vac Typical load)	
Power Factor	≥0.9 at Max load	
Frequency	50 / 60 Hz	
Surge Protection	Line-Line 20KV, Line-FG 20KV	
Driver Type	Constant Current (CC)	
Fixture & Driver Manufacturer	KMW INC. / Made in Korea	
Size (L x W x H)	29.1 x 16.6 x 9.7 (inch)	740 x 421.5 x 245.5 (mm)
Weight (Driver Included)	26.5 lb	12.0 Kg
Material	Body	Cast Aluminum
	Optic	Silver Coating Reflector
	Cover	Tempered Glass 4.0T (Clear)
Finish	Powder Coating	

IP Rating	IP66	
Mounting Option	Horizontal Tenon Mount	
Mount Hole	Ø2.4 in Pipe Applied	Ø60.5 mm Pipe Applied
Operating Temperature	-22°F ~ 140°F	-30°C ~ 60°C
Life Time	50,000 Hours (@77°F / 25°C)	

Specification

IP Camera

Image Sensor	1/2.8" 2M CMOS
Maximum Resolution	1920 x 1080p
Lens	Optical 10x Mega Pixel Zoom Lens
Focal Length	5.1mm(F1.6) ~ 51mm(F1.8)
Pan/Tilt Range/Speed	Pan : 360° (Endless), Tilt : 0°~180° (digital flip), Preset Speed 360°/sec, manual Speed 100°/sec
FOV	Horizontal: 54°(Wide) ~ 4.9°(Tele)
Min. illumination	Color : 0.5 lux, B/W : 0.1 lux
Alarm	1 Input, 1 output
Audio	1 Input, 1 output
Image Compression	H.264/H.264(true H.264 dual streaming), H.264/MJPEG(simultaneous Dual Stream) Image Quality : 6steps(Lowest, Low, Medium, High, Highest, Low compression)
Protocol	HTTP, RTP/RTSP(Unicast/Multicast), TCP/IP, ARP, ICMP, telnet, ftp, NTP, SMTP, DHCP, PPPoE, UPnP
Web Browser	Internet Explorer, safari, VLC, Firefox, Chrome, QuickTime, CMS(FW-manager, smart NVR, DVM)
Security	Password Protection, HTTPS, IP port filtering for access level

WiFi Access Point

Frequency Range	IEEE802.11 a/n : 5.150GHz ~ 5.350GHz, 5.470GHz ~ 5.725GH, 5.725 ~ 5.850GHz (US & Canada) : 5.150GHz ~ 5.350GHz, 5.470GHz ~ 5.725GH, 5.725 ~ 5.875GHz (Europe)
Receiving Sensitivity	-95dBm@MCS0
Radio Transmission Output	17dBm@5GHz
Wireless Transmission Standard	IEEE 802.11a/n, ad-hoc
Transmission Speed	3T3R. Maximum 450Mbps @HT40
Security/QoS	802.1xAuthenticator(EAP-TLS, EAP-TTLS, PEAP), MAC Based wireless connection, 64/128bit WEP, 802.11i 802.11eWMM / QoS, Cos / maximum 8 virtual SSID 802.1q VLAN / Wireless VLAN for each SSID / MAC Filtering
LAN/WAN	LAN 2-Port(1Gbps), WAN 1-Port (1Gbps)

Description

360° light distribution projects

light uniformly at all angles

Ensured long life and excellent cooling structure Glare control with cutoff optics

NEMA - Photo Sensor (*optional)



Application

Business parks , Walkways, Villages, Parking lots

Certification

UL / FCC / PSE / SABS / KC

Specifications

(* Tolerance : ± 5%)

Model	Power	* Luminous Efficacy	* Luminous Flux	Color Temperature	CRI	Weight	Life Time	Input Voltage	Operation Temperature
NM040	40W	120 lm/W	4,800 lm	5000K (4000K, 5700K Available)	80Ra	7.3 kg / 16.1 ib	50,000hrs	AC100~277V AC100~240V	-30°C~60°C -22°F~140°F
NM050	50W	95 lm/W	4,750 lm						
NM070	70W	95 lm/W	6,650 lm						
NM100	100W	97 lm/W	9,950 lm						
NM130	130W	98 lm/W	12,350 lm						

Size (L x W x H)	19.8 x 22.4 x 6.6 (inch)	502 x 567.6 x 168.5 (mm)
Light Distribution	NM040 : 100° / NM050~NM130 : 150°	
Material	Body	Cast Aluminum
	Cover	Polycarbonate 3T(Diffuser)
Finish	Powder Coating	
IP Rating	IK Rating	IP66 IK08
Mounting Option	Pole Mount	
Mount Hole	Ø2.88 inch (Ø73.0 mm)	