



PRODUCT FEATURES

1. Pluggable technology, free on-site maintenance tools.
2. Low cellular cooling technology and high thermal conductivity, the whole structure of the cooling chip, efficient heat conduction and heat dissipating performance.
3. Low single star LED light damage does not affect the other light source current.
4. Intelligent constant current drive technology, output stability, break through the life of power, can be automatically adjusted the light.
5. Optical compartment IP66 and K08 protection, the highest level of protection against water and impacts.
6. Constant Light Output (CLO), uniform distribution of light over time.
7. Free series, full power solutions.

PRODUCT ICONS FEATURE



General Information

Product Range: Street lighting
 Product Family: Urban lighting
 Product Model: Urban Magnon
 Series Reference: EKXMG
 Warranty: 5 years
 Lifespan @ Ta=25°C: L70 - L80 F10 100.000 h
 Lifespan @ Ta=40°C: L70 - L80 F10 60.000 h

Electric Specifications

Voltage (V): 80-305V AC
 Frequency (Hz): 50-60 Hz
 Power Factor (PF): >0.95
 Power Efficiency (PE %): >90%
 Flicker (%): 0%
 Total Harmonic Distortion (THD %): <20%
 Protection Class: II

Light Specifications

System Luminous Efficacy (lm/W): 120-130 lm/W ±10%
 Color Render Index (CRI >Ra): 80
 Controlled Color Temperature (CCT °K): 2200K-6000K
 Color Consistency (SDCM): <5
 Unified Glare Rating (UGR): <12
 Beam Angle (Degrees): Different options regarding lens type
 Upper Light Output Ratio (ULOR %): 0%

Protection Specifications

Optical Compartment Tightness (IP): IP66
 Auxiliary Compartment Tightness (IP): IP66
 Impact Resistance (IK): IK08
 Surge Protection: Basic-4kV/Extended-10kV

Application Conditions

T₁ Temperature (°C): <40°C @ Ta=25°C
 T₂ Temperature (°C): <10°C @ Ta=25°C
 Storage Temperature (°C): -40°C +85°C
 Operating Temperature (°C): -40°C +50°C
 Operating Humidity (RH%): 5-95%RH

Control And Communication

Constant Light Output (CLO): Optional
 Scheduled Dimming System: 8 levels steps, Optional
 Dimming Function: 0-10V/PWM, DALI (optional)
 Other Sensors Options: Photoelectric, Movement, Other
 Wireless Communications Compatibility: Yes

Installation And Maintenance

Type: Hanging fitting
 Fitting To Existing Pole: Yes
 System: Ø18mm round tube
 Vertical Angle Adjustment: No
 Mounting Height: 4-6M
 Horizontal Angle Adjustment: No
 Replaceable Light Source: Yes
 Replaceable Driver: Yes
 Replaceable Lens: Yes
 Replaceable Cover: Yes
 Heating Opening System: Stainless steel screws
 Wire Connectors System: Waterproof quick Threaded fastener

PCB

PCB Type: MC PCB
 PCB Material: Aluminum
 Thermal Vias: Yes
 Led Bypass Protection: Yes
 Overheating Protection: NTC Thermistor

LED

Brand: PHILIPS
 Type: SMD
 Model: S050
 Min. Luminous Efficacy (lm/W): 150 lm/W

Driver

Brand: Inventronics
 Series Type: EUC380, Other series optional
 Internal or External: External
 Isolated or Not: Isolated
 IP: IP67
 Lifespan @ Tc=40°C: 100,000 h
 Surge Protection: 4 kV, 10kV
 Overload and Short Circuit Protection: Yes
 Thermal Feedback Control: Optional

HeatSink

Thermal Interface Material (TIM): Yes
 Body Material: Aluminum
 Fin Material: Aluminum
 Extra Cooling System: The whole structure of radiation

Housing

Body Material: Aluminium anodized
 Finishing: Aluminium
 Color RAL: Grey/Black
 Cover Material: PC, Lens
 Cover Type: Clear
 Locking System: Stainless steel screws

Optical

Lens Material: PC
 Reflector Material: Anodized Aluminium
 Diffuser Material: PC

Wire Connection

Cable Material: 3 *1.0mm rubber with cold pressed terminal
 Connectors System: Waterproof threaded quick connector
 Waterproof Connectors: Yes

Matters Need Attention

- Matters need attention: 1. Before use, should carefully read the instructions, to avoid accidents and damage.
 2. Please wear gloves to avoid injury before installation work.
 3. Lighting installation, and wiring work must be carried out in the absence of power.
 4. Power line joints must do insulation, waterproofing treatment.
 5. Do not look directly at the light emitting LED lighting in close distance, ensures not hurt the eyes.

APPLICATION

- Parks
- Lighting of avenues
- Streets
- Roundabouts
- Squares



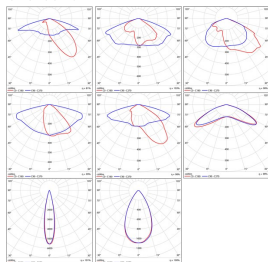
PRODUCT PARAMETERS

Reference	System Power	H ² (mm)	Cutoff (m)	System Efficiency (lm/W)	Reference Flux (lm)				System maintenance (L70 L70=20%)	T _{amb} (°C)	Temperature (°C)	Height (m)
					IP 20/25/30	IP 40/50/60	IP 70/80/90	IP 90/100				
EUMAG	20W	1.2	0.8m	120 lm/W @ 20%	2475	3034	2736	2837	100 F 10 100 000h	+62°C	Ø413P/Ø80mm	0.5
	30W		1.0m	125 lm/W @ 20%	3570	3789	3345	4051	100 F 10 100 000h	+60°C		
	40W		1.0m	125 lm/W @ 20%	4570	4862	4300	5237	100 F 10 100 000h	+59°C		
	20W	1.6	0.8m	120 lm/W @ 20%	3954	3950	4045	4380	100 F 10 100 000h	+52°C		
	30W		1.0m	125 lm/W @ 20%	4760	4960	4340	5421	100 F 10 100 000h	+50°C		
	40W		1.0m	125 lm/W @ 20%	5760	6029	5386	6662	100 F 10 100 000h	+49°C		
	20W	2.4	0.8m	120 lm/W @ 20%	4950	5268	5470	5673	100 F 10 100 000h	+62°C		
	30W		1.0m	125 lm/W @ 20%	5945	6423	6640	6928	100 F 10 100 000h	+60°C		
	40W		1.0m	125 lm/W @ 20%	7140	7658	7900	8243	100 F 10 100 000h	+58°C		
	20W	3.2	0.8m	120 lm/W @ 20%	7151	7780	8078	8379	100 F 10 100 000h	+52°C		
	30W		1.0m	125 lm/W @ 20%	8520	9220	9520	9920	100 F 10 100 000h	+50°C		
	40W		1.0m	125 lm/W @ 20%	11219	12037	12739	13351	100 F 10 100 000h	+47°C		

PRODUCT CONFIGURATOR

Model	Power	Light CCT	Height	Beam	Color (lm)	Control	Features
EUMAG	100W	AMB2	1.20	LE01	0-10V	0-10V	EXPEC001
	200W	2500K	1.20	LE01	0-10V	0-10V	EXPEC001
	300W	AMB	2.40	LE02	0-10V	0-10V	EXPEC001
	400W	3700K	2.40	LE02	0-10V	0-10V	EXPEC001
	500W	AMB	3.20	LE03	0-10V	0-10V	EXPEC001
	600W	3700K	3.20	LE03	0-10V	0-10V	EXPEC001
	800W	AMB	4.00	LE04	0-10V	0-10V	EXPEC001
	1000W	3700K	4.00	LE04	0-10V	0-10V	EXPEC001
	1200W	AMB	4.80	LE05	0-10V	0-10V	EXPEC001
	1500W	3700K	4.80	LE05	0-10V	0-10V	EXPEC001

LIGHT DISTRIBUTION IMAGE



Accessories

PRODUCT DIMENSIONS



PACKING SPECIFICATIONS

Model	Pack Size	Long (mm)	Width (mm)	Height (mm)	Gross Weight (kg/ctn)
EUMAG20W12	1	700	700	400	0.5
EUMAG30W12	1	700	700	400	0.5
EUMAG40W12	1	700	700	400	0.5
EUMAG20W16	1	700	700	400	0.5
EUMAG30W16	1	700	700	400	0.5
EUMAG40W16	1	700	700	400	0.5
EUMAG20W24	1	700	700	400	0.5
EUMAG30W24	1	700	700	400	0.5
EUMAG40W24	1	700	700	400	0.5
EUMAG20W32	1	700	700	400	0.5
EUMAG30W32	1	700	700	400	0.5
EUMAG40W32	1	700	700	400	0.5

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ACCESSORIES

Reference	Name	Description
LED-4APNP	programmer for LED Driver	
LED-4BPM	programmer time 0-33	
	Driver with remote control	