



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, efficiency heat conduction and heat dissipation 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 light.
5. Optical compartment IP66 and IK08 protection, great 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: Hermes
 Series Reference: EX3000
 Warranty: 5 years
 Lifespan @ Ta=25°C L70 - L50 F10 100.000 h
 Lifespan @ Ta=40°C L70 - L50 F10 80.000 h

Electric Specifications

Voltage (V): 50-265V 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 Rendering Index (CRI>Ra): 80
 Correlated Color Temperature (CCT K): 2000K-6000K
 Color Consistency (SDCM): <5
 Unfired Glass Rating (UGR): <12
 Beam Angle (Degree): 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 (T1 °C): <40°C @ Ta=25°C
 Tc Temperature (Tc °C): <60°C @ Ta=25°C
 Storage Temperature (Tc): <40°C ~+95°C
 Operating Temperature (Tc): <40°C ~+60°C
 Operating Humidity (SHR): 5-95%RH

Control And Communication

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

Installation And Maintenance

Type: Hanging fitting
 Fixing To Existing Pole: Yes
 System: Ø38mm 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
 Hoisting Opening System: Stainless steel screws
 Wire Connectors System: Waterproof quick Threaded fastener

PCB

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

LED

Brand: PHILIPS
 Type: SMD
 Model: S5350
 Max. Luminous Efficacy (lm/W): 150 lm/W

Driver

Brand: Inventronics
 Series Type: EUC/ESD/Other series optional
 Internal or External: External
 Isolated or Not: Isolated
 IP: IP67
 Lifespan @ Tc=40°C: 100.000 h
 Surge Protection: 4kV/10kV
 Overload and Short Circuit Protection: Yes
 Thermal Feedback Control: Optional

HeatSink

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

Housing

Body Material: Aluminium finished
 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*1.2mm 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, ensure not hurt the eyes.

APPLICATION

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



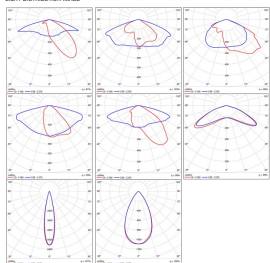
PRODUCT PARAMETERS

Reference	System Power	N° LEDs	Current (mA)	System Efficiency (lm/W)	Luminous Flux (lm)				Lumen maintenance @ 70+20°C	T _a @ 70+20°C	Dimensions	Weight (kg)
					IP 2000K	IP 3000K	IP 4000K	IP 5000K				
LUMENB	30W	13	300mA	120 lm/W @ 20%	1475	2024	2738	2827	100 F1.0 100.000%	<50°C	460x460mm	4
	30W				1500K	120 lm/W @ 20%	1570	2199	2945	3034		
	30W	18	300mA	120 lm/W @ 20%	1570	1962	2650	2737	100 F1.0 100.000%	<50°C		
	30W				1500K	120 lm/W @ 20%	1962	2650	3341	3428		
	40W	14	300mA	120 lm/W @ 20%	1790	2465	3260	3347	100 F1.0 100.000%	<50°C		
	40W				1500K	120 lm/W @ 20%	2465	3260	4055	4142		
	50W	14	300mA	120 lm/W @ 20%	1980	2729	3524	3611	100 F1.0 100.000%	<50°C		
	50W				1500K	120 lm/W @ 20%	2729	3524	4319	4406	100 F1.0 100.000%	<50°C
	60W	14	300mA	120 lm/W @ 20%	2180	2993	3788	3875	100 F1.0 100.000%	<50°C		
	60W				1500K	120 lm/W @ 20%	2993	3788	4583	4670	100 F1.0 100.000%	<50°C
	70W	23	300mA	120 lm/W @ 20%	2380	3257	4052	4139	100 F1.0 100.000%	<50°C		
	70W				1500K	120 lm/W @ 20%	3257	4052	4847	4934	100 F1.0 100.000%	<50°C
80W	23	300mA	120 lm/W @ 20%	2580	3521	4316	4403	100 F1.0 100.000%	<50°C			
80W				1500K	120 lm/W @ 20%	3521	4316	5111	5198	100 F1.0 100.000%	<50°C	
100W	23	300mA	120 lm/W @ 20%	3320	4357	5393	5480	100 F1.0 100.000%	<50°C			

PRODUCT CONFIGURATOR

Model	Power	Color CCT	Package	Beam	Color Out	Control	Options	
LUMENB	30W	AMB	130	LBT1	BE	0-10V	ESPE001	
	30W	2000K	300+ 120V	Asymmetric distribution 1	Black	Dimming 0-10V	Photoelectric control sensor WTC004T12	
	30W	AMB	300	LBT2	OR	CL0	FW-1000000V	
	30W	1500K	300+ 120V	Asymmetric distribution 2	Grey	Current Light Output	External surge protection device 20kV WTC004T12	
	40W	CW	300	LBT0		CT0000	FW-100000V	
	40W	4000K	300+ 120V	Asymmetric distribution 3		0-10V/0-10V/0V/0V/0V/0V	WTC004T12	
	40W	NW	300	LBT4		CT0000-000	FW-100000V	
	40W	4000K	300+ 120V	Asymmetric distribution 4		0-10V/0V/0V/0V/0V/0V	WTC004T12	
	40W	PW	300	LBT5		HAL	External surge protection device 20kV WTC004T12	
	40W	5000K	300+ 120V	Asymmetric distribution 5		Digital Addressable Lighting Interface		
40W	NW	300	LBT6		000000	Control of lighting and effects of the stage		
40W	5000K	300+ 120V	Symmetric distribution 6		00	No control		
40W	NW	300	LBT7		0000	0000	Control of lighting and effects of the stage	
40W	5000K	300+ 120V	Symmetric distribution 7		0000	0000	Control of lighting and effects of the stage	
40W	NW	300	LBT8		0000	0000	Control of lighting and effects of the stage	
40W	5000K	300+ 120V	Symmetric distribution 8		0000	0000	Control of lighting and effects of the stage	

LIGHT DISTRIBUTION IMAGE



Successories

PRODUCT DIMENSIONS



PACKING SPECIFICATIONS

Code	Quantity	Long (cm)	Width (cm)	Height (cm)	Stack Height (kg/100)
ENH4300W12	1	575	575	345	7
ENH4300W12	1	575	575	345	7
ENH4300W12	2	575	575	345	7
ENH4300W16	1	575	575	345	7
ENH4300W16	1	575	575	345	7
ENH4300W16	1	575	575	345	7
ENH4300W24	1	575	575	345	7
ENH4300W24	1	575	575	345	7
ENH4300W24	1	575	575	345	7
ENH4300W32	1	575	575	345	7
ENH4300W32	1	575	575	345	7
ENH4300W32	1	575	575	345	7

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