

**PRODUCT FEATURES**

1. Compact urban luminaire specially designed for lighting plazas, parks and gardens.
2. High pressure aluminum casting body with powder-coated lacquered powder coating resistant to corrosion
3. Structure with internal dissipator to offer a smooth surface to the outside, avoiding the accumulation of dirt over time and the loss of thermal dissipation.
4. Independent electronic compartment with quick opening without screws and disconnection of automatic electric charge, for ease of replacement of components in case of breakage or failure.
5. Programmable intelligent electronic driver with numerous flow control and regulation systems, and integrated protection systems.
6. Led-by-pass technology: If a led is damaged, it does not affect the rest, nor does it increase its operating current.
7. Great diversity of optics and powers for each application.

PRODUCT ICONS FEATURE**General Information**

Product Range: Street lighting
 Product Family: Urban lighting
 Product Model: EDS
 Series Reference: EXLED8
 Warranty: 5 years
 Lifespan @ Ta=25°C: L70 - L80 F10 100.000 h
 Lifespan @ Ta=40°C: L70 - L80 F10 80.000 h

Electric Specifications

Voltage (V): 80-265V 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): 129-132 lm/W \pm 10%
 Color Render Index (CRI >Ra): 80
 Correlated Color Temperature (CCT °K): 2200K-6000K
 Color Consistency (SDCM): \pm 5
 Beam Angle (Degrees): Different options regarding lens type
 Upper Light Output Ratio (ULOR %): 0%

Protection Specifications

Pressure & Condensation Protection: Ventilation valve
 Index of protection (IP): IP66
 Optical Compartment Tightness (OP): IP66
 Impact Resistance (IK): IK08
 Surge Protection: Basic 40kV, Extended 120kV

Application Conditions

T₁ Temperature (°C): <30°C @ Ta=25°C
 T₂ Temperature (°C): <30°C @ Ta=25°C
 Storage Temperature (°C): -40°C - 85°C
 Operating Temperature (°C): -40°C - 60°C
 Operating Humidity (RH): 5-95%RH

Control And Communication

Constant Light Output (CLO): Optional
 Dimming Function: 0-10V (PWM DALI), Timer, ACIM, ZENOBEE, LORA

Installation And Maintenance

Type: Top fitting
 Fixing To Existing Pole: Yes
 System: Fixing post diameter 60mm
 Vertical Angle Adjustment: No
 Mounting Height: 3-5M
 Horizontal Angle Adjustment: No
 Replaceable Light Source: Yes
 Replaceable Drivers: Yes
 Replaceable Lens: Yes
 Replaceable Cover: Yes
 Housing Opening System: Stainless steel screws
 Wire Connectors System: Waterproof threaded fastener connector

PCB

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

LED

Brand: Philips, Lumileds
 Type: SMD
 Model: S535
 Max. Luminous Efficacy (lm/W): 179 lm/W

Driver

Series Type: EUC/EDB, Other series optional
 Isolated or Not: Isolated
 IP: IP67
 Lifespan @ Ta=40°C: 100.000 h
 Surge Protection: 4 kV, 120kV
 Overload and Short Circuit Protection: Yes
 Thermal Foldback Control: Optional

HeatSink

Thermal Interface Material (TIM): Yes
 Body Material: Aluminum
 Fins Material: Aluminum
 Extra Cooling System: The entire structure of the luminaire

Housing

Body Material: Cast aluminum high pressure
 Finishing: Anti corrosion paint
 Color RAL: Grey/Black/Other optional
 Cover Material: PC/Lens
 Cover Type: Clear
 Locking System: Stainless steel screws

Optical

Lens Material: PMMA
 Reflector Material: Aluminum
 Diffuser Material: Tempered safety glass + side PC diffuser

Wire Connection

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

APPLICATION

- Plaza
- Squares
- Gardens



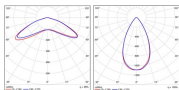
PRODUCT PARAMETERS

Reference	Typical Power	W	Current (mA)	System efficacy (lm/W)	Reference Flux (lm)				System maintenance @ T _a =25°C	T _c (°C)	Temperature @ T _a =25°C	Beam diameter (Ø)
					Ø 1000mm	Ø 1500mm	Ø 2000mm	Ø 3000mm				
EAS030	30W	18	78mA	122lm/W ±10%	3456	3077	2828	3386	100 F10 100 000h	+50°C	8550*125mm	8.4
	45W	27	114mA	125 lm/W ±10%	4760	5470	5240	5453	100 F10 100 000h	+50°C		
	60W	33	150mA	128lm/W ±10%	5511	5793	6075	6175	100 F10 100 000h	+50°C		
	80W	44	200mA	120lm/W ±10%	6853	7067	7100	7103	100 F10 100 000h	+50°C		

PRODUCT CONFIGURATOR

Model	Power	Color CCT	Voltage	Beam	Color Ra	Control	Options
EAS030	30W	AMR2 2000K	120V-120V	LMT0 Symmetric distribution 6	90 Black	0-10V Dimming 0-10V	EXPEC001 Photoelectric control sensor REG040102
	45W	AMB 2700K	200V-240V	LMT0 Symmetric distribution 8	90 Grey	CLD Constant Light Output	PM-LONG0000W Common surge protection device 300V REG040102
	60W	CW 6500K	200V-240V			ETL000 0-10V/1-10V(PWM)Toner	PM-00K External surge protection device 200V REG040102
	75W	HW 4000K	200V-240V			ETL000-010 0-10V/1-10V(PWM)Toner	
	90W	PW 5500K	200V-240V			ELLI Digital Addressable Lighting Interface	
	110W	WW 3000K	200V-240V			ENK012 Control of lighting and effects of the stage HC No control PWM Pulse Width Modulation Time Time Regulation System TRAC Trailer for Alternating Current	

LIGHT DISTRIBUTION IMAGE



§accessories§

PRODUCT DIMENSIONS



PACKING SPECIFICATIONS

Model	Pcs/Box	Long (mm)	Width (mm)	Height (mm)	Box Weight (kg/ctn)
EAS030	1	590	500	200	10.4
EAS030	1	590	500	200	10.4
EAS030	1	590	500	200	10.4
EAS030	1	590	500	200	10.4