



**PRODUCT FEATURES**

1. Modular connectable technology, ease of maintenance.
2. Cell technology of low cooling and high thermal conductivity. The structure allows fast chip cooling, high heat conduction efficiency and high thermal dissipation performance.
3. Led-by-pass technology: If a led is damaged, it will not affect the rest, nor will it increase its operating current.
4. Driver with intelligent technology of constant current, output of stable current, intelligent unit with numerous options, the light can be adjusted automatically by the system of regulation time.
5. Degree of protection of the optical black IP66 and IK10, the highest level of protection against water and impacts.
6. Constant flux emission system (CFO), uniform distribution of light over time.
7. Modular series, different solutions and powers for each case.

**PRODUCT ICONS FEATURE**



**General Information**

Product Range: Outdoor  
 Product Family: Projection Lighting  
 Product Model: Titan Light  
 Series Reference: EDP1T  
 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): 50-255VAC  
 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): 145 lm/W ±10%  
 Color Render Index (CRI -Ra): >90  
 Correlated Color Temperature (CCT °K): 3000K-6500K  
 Color Consistency (SDCM): <3  
 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): IK10  
 Surge Protection: Basic-4kV/Extended 10kV

**Application Conditions**

T1 Temperature (°C): <40°C @ Ta=25°C  
 T2 Temperature (°C): <50°C @ Ta=25°C  
 Storage Temperature (°C): -40°C +85°C  
 Operating Temperature (°C): -40°C +55°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 (DALI) (optional)  
 Other Sensors Options: Photoelectric Movement, Other  
 Wireless Communications Compatibility: Yes

**Installation And Maintenance**

Type: Fix to wall or pole  
 Fixing To Existing Pole: Optional  
 System: 0-10V bracket (0 optional)  
 Vertical Angle Adjustment: Yes  
 Mounting Height: 6-100M  
 Horizontal Angle Adjustment: Yes  
 Replaceable Light Source: Yes  
 Replaceable Driver: Yes  
 Replaceable Lens: Yes  
 Replaceable Cover: Yes  
 Heating 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: SMD, SEMICONDUCTOR  
 Type: SMD  
 Model: 3030  
 Max. Luminous Efficacy (lm/W): 158 lm/W

**Driver**

Brand: Meanwell  
 Series Type: Aluminum  
 Internal or External: External  
 Isolated or Not: Isolated  
 IP: IP66  
 Lifespan @ Ta=40°C: 100,000 h  
 Surge Protection: 4 kV, 10kV  
 Overload and Short Circuit Protection: Yes  
 Thermal Foldback 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: Extrusion of aluminum  
 Finishing: Aluminum with powder coating  
 Color:RAL, Black  
 Cover Material: PC Lens  
 Cover Type: Clear  
 Locking System: Stainless steel screws

**Optical**

Lens Material: PC

**Wire Connection**

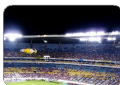
Cable Material: 3\*1.0mm rubber with cold-pressed terminal  
 Connectors System: Waterproof threaded fastener connector  
 Waterproof Connectors: Yes

**Matters Need Attention**

Matters need attention: 1. Before use, should carefully read the instructions, to avoid accidents and damages.  
 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**

- Parking areas
- Projection lighting
- Projection of stadiums
- Sports projection
- Warehouses
- Lighting of areas
- Hotels
- Crossroads of highways



**PRODUCT PARAMETERS**

Reference	System Power	IP	System Efficacy (lm/W)	Luminous Flux (lm)				CS	Luminous Intensity @ 1m±25°C	Dimensions	Weight (kg)
				IP 3030x3	IP 3030x4	IP 3030x5	IP 3030x6				
EDP1T	470W	666	145lm/W ±10%	64879	68038	71684	74352	470	170 F10 100.000h	470*760*120mm	21.9 kg
	700W	672		97224	102264	107342	112427			470*760*120mm	39.1 kg
	940W	678		128736	136172	143698	151227			470*760*120mm	47.1 kg

**PRODUCT CONFIGURATOR**

Model	Power	Modules (Number of Led)	Color CCT	Voltage	Lens	Control	Options
EDP1T	470W	<b>X2</b> (848 Led)	<b>AHR3</b>	<b>120</b>	<b>LPW</b>	0-10V Dimming 0-10V <b>0 to 1</b> 0-10V Symmetric distribution of 2P Symmetric distribution of 2P Constant Light Output <b>BALI</b> Light adjustable Lighting Interface <b>HC</b> No control	<b>ESPDM1</b> Photoelectric control sensor INTEGRATED <b>PH-LEDRADNEW</b> Constant angle projection device 10m INTEGRATED
		<b>X3</b> (1072 Led)	<b>AHR3</b>	<b>240</b>	<b>LPW2</b>		
		<b>X4</b> (1396 Led)	<b>DW</b>	<b>360</b>			
		<b>NW</b> 6000K					
			<b>FW</b> 6000K				
			<b>WW</b> 3000K				

## LIGHT DISTRIBUTION IMAGE

§accessories§

## PRODUCT DIMENSIONS



## PACKING SPECIFICATIONS

Model	Pack/Case	Length (mm)	Width (mm)	Height (mm)	Gross Weight (kg/box)
CGP1720W42	1	640	535	100	14.8
CGP1720W43	1	640	740	100	27
CGP1720W44	1	640	640	100	26.2

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