

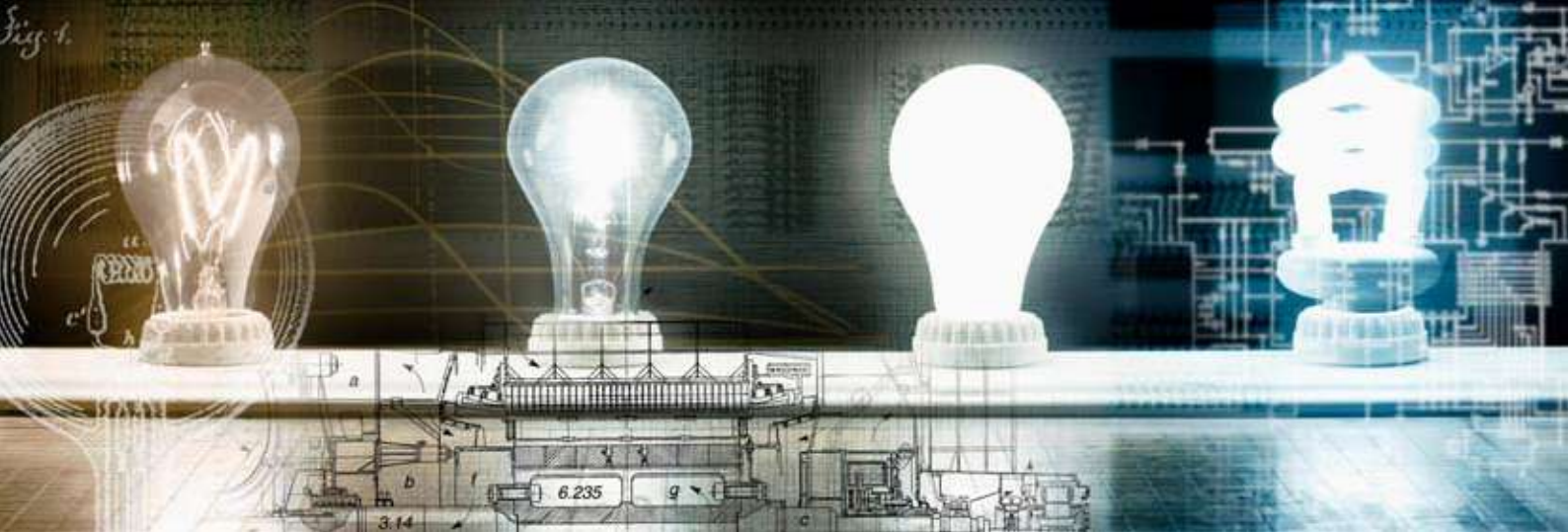
## ECH series industrial lighting solution

# CROUSE-HINDS SERIES



# EATON

*Powering Business Worldwide*



# Industrial lighting solutions

Advancing industry, new technologies, complex processes—all are driving a growing demand for, and the cost of, electrical power. Business demands solutions

that increase uptime and extend equipment life, while keeping personnel and equipment safe.

As a diversified worldwide

provider of electrical products, Eaton's Crouse-Hinds not only provide electrical solution for hazardous explosion-proof area, and also for harsh environments,

such as: food & beverage, pharmaceutical and power plant etc. to enhance your manufacturing capacity, reduce maintenance and risk.

## LED high bay pendant light



## LED clean room light



## LED street light



## LED floodlight



## LED & fluorescent linear light



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All sales of Eaton's Crouse-Hinds products are specifically subject to the Terms and Conditions of Sale as shown in Eaton's Crouse-Hinds distributor price sheets.



# Coal power plant

## Key application areas and requirements



- **Coal yard and conveyor area**

For these areas which are basically open-air and with serious dust emission and harsh environment, highly anti-dust and waterproofing lights are required.

- **Suitable product - Floodlights**



ECH-FDL06  
60-600W



ECH-FDL02  
60-480W



- **Plant room**

In the plant room that is tall and spacious, neat, bright and energy-efficient lights are required.

- **Boiler room**

For the boiler room featuring high ambient temperature and high vibration, lights with high temperature resistance and good anti-vibration performance are required.

- **Suitable product - Pendant lighting fixtures**



ECH-HBL  
70-210W



ECH-SHB  
80-240W

- **Water supply and drainage areas**

In these areas with moisture condensation, high dampness, as well as corrosive gas emission, lights which are highly waterproof and resistant to corrosion are required.



- **Roads in plant area**

Roads in plant area require even and reasonable lighting distribution.

- **Suitable product - Street lights**



ECH-STL  
60-360W



# Ports and docks

## Key application areas and requirements\*



### • Port Machinery

Port machineries including gantry cranes and cranes are highly vibrating, placed in humid and corrosive offshore environments, and often needed to keep operating continuously. They require lights that are anti-vibration, anti-corrosion, safe, reliable and energy-saving and efficient.

### • Suitable product - Floodlights



FLED  
150W, 300W,  
450W



### • Stockyards

Most of stockyards are close to coastal areas, spacious, humid and with salt fog, and they need tower lighting with good corrosion resistance, high protection, good fog permeability, and strong lightning and surge resistance.

### • Suitable product - High pole lights



ECH-FDL06  
60-600W



### • Machine room and repair workshop

These places with humid environment, salt fog and oil stains require lights with high protection, corrosion resistance, good color rendering and high luminous efficacy.

### • Suitable product - Linear lights



WDP-LED  
26W/50W



### • Roads

Roads with humid environment and salt fog require even and reasonable lighting distribution, and lights with high protection, corrosion resistance and good fog permeability.

### • Suitable product - Street lights



ECH-STL  
60-360W

\*please mark if you need strong corrosion-resistant version.



# Airports

## Key application areas and requirements



- Apron

Such a spacious area require a high-power lighting tower free from glare and with good fog permeability, an installation height of 25-30 meters, stable performance and long service life to reduce maintenance costs.

- Suitable product - High pole lights



ECH-FDL06  
60-600W

ECH-FDL02  
60-480W



- Hangar

As the ceiling of a hangar is as high as 30-40 meters, high bay pendant lights with high power and high color rendering are required.

- Suitable product - Pendant lighting fixtures



ECH-HBL  
70-210W



- Airport roads

Airport roads require lights with good fog permeability, even and reasonable illumination distribution and good color rendering and an installation height of 10-20 meters.



ECH-SHB  
80-240W



ECH-STL  
60-360W



- Airport oil depot

Explosion-proof lights, which can be packaged with industrial lighting, are required in the airport oil depot and machine repair shop.





# Plants and warehouses

## Key application areas and requirements



- Warehouses

Non-glare lights with good color rendering, energy efficiency, stable performance and long service life are required in warehouses to reduce maintenance costs

- Suitable product - Pendant lighting fixtures



ECH-HBL  
70-210W



ECH-SHB  
80-240W



- Workshops

Non-glare lights with good color rendering, energy efficiency, stable performance and long service life are required in workshops to reduce maintenance costs

- Suitable product - Pendant lighting fixtures



ECH-HBL  
70-210W



ECH-SHB  
80-240W



- Roads in plant

Roads in plant require lights with even and reasonable illumination distribution, energy efficiency, stable performance and long service life.

- Suitable product - Street lights



ECH-STL  
60-360W



## Workshops in Food, grain & oil, tobacco and pharmaceutical factories

### Key application areas and requirements



- Workshops in food factories

Workshops in food factories require lights that are free of pollution, easy to clean, corrosion-resistant, and with good color rendering and protected light source.

- Suitable product - Linear lights



- Workshops in grain and oil plants

Most areas in grain and oil plants are full of dust or flammable gas, or inflammable or explosive, such as processing and storage workshops, require the combination of explosion-proof lighting and industrial lighting.

- Suitable product - Pendant lighting fixtures & linear lights



- Workshops in tobacco factories

Being partly dusty, humid and high-temperature, explosion-proof areas in tobacco factories such as re-cure workshops, dust-removing rooms and material preparation rooms require the combination of explosion-proof lighting and industrial lighting.



- Workshops in pharmaceutical factories

Most of the workshops in pharmaceutical factories are confined space that should be pollution-free, anti-dust and easy to clean. As a result, they require lights with high energy efficiency, smooth surface, dust proofing, easy cleaning and high protection.

- Suitable product - Clear room lighting fixtures



# WDP Series Weather-Proof Linear Lighting

## Product features

### Waterproof and Dustproof

- IP65
- A whole of circle with expanding foam process to avoid to penetration
- Designed with a safety locking on plastic buckle, more reliable
- Use waterproof cable gland



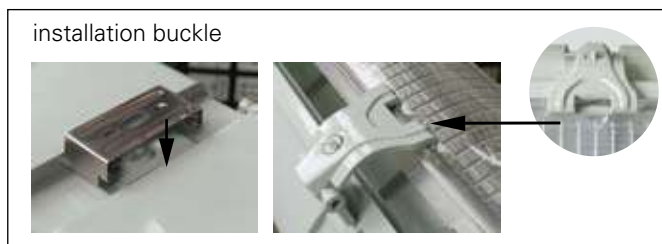
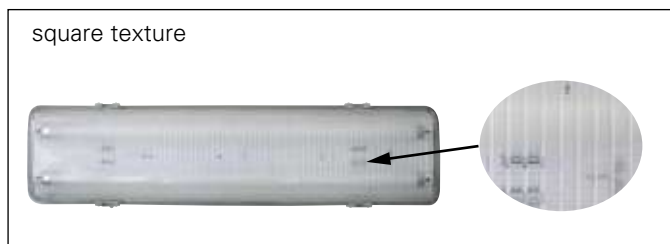
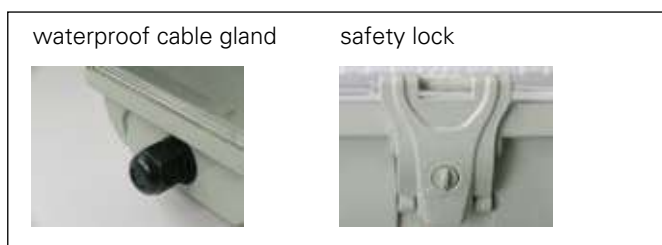
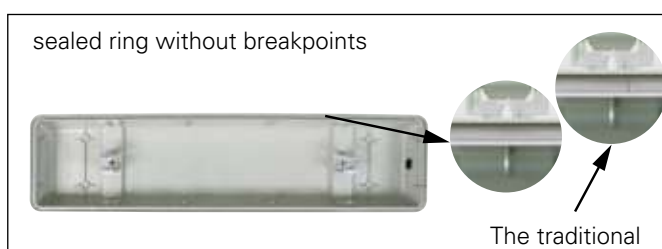
### Corrosion resistance

- WF2 corrosion free
- Strong corrosion resistance with PC material

### Other features

- Soft glow
- Easy to install
- Electric ballast or LED Driver
- 220-240V AC 50/60Hz
- Diffusion material PC
- Housing material PC
- Insulation Class I
- Warranty: 3 years

The product is widely used in indoor and outdoor public areas, warehouse, parks, and for the plant due to dust and moist areas etc.



## How to understand product description

WDP	-218	-T8	-EM	TW
Product Group	Power	Lamp or Color Temperature	Emergency	Through wiring
WDP	-118:1x18W	Lamp For Fluorescent	EM1: 1.5H	Default=without
WDP-LED	-218:2x18W	-T8	EM2: 3H	Through wiring
	-136:1x36W	Color Temperature for LED		TW=with through
	-236:2x36W	-30:3000K		wiring
	-26:26W(For LED)	-40:4000K		
	-50:50W(For LED)	-50:5000K		
		-57:5700K		

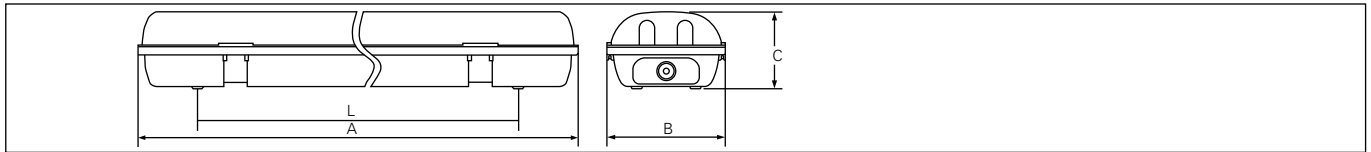


# WDP Series Weather-Proof Linear Lighting

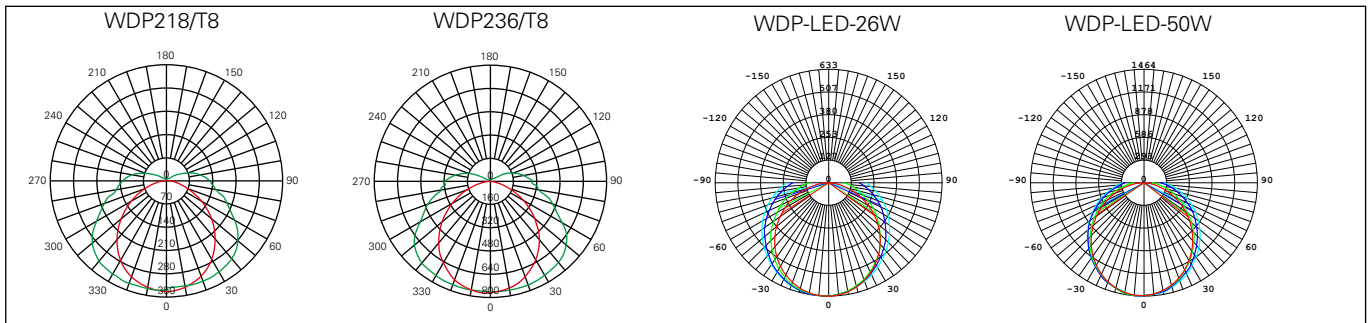
## Ordering information

Description	Power	Cable	A (mm)	B (mm)	C (mm)	L (MM)	Weight (Kg)	Clip
WDP218-T8	2X18W	PG13.5	658	158	101	400	1.57	4
WDP236-T8	2X36W	PG13.5	1268	158	101	900	3.07	8
WDP-LED-26W	26W	PG13.5	658	158	101	400	1.57	4
WDP-LED-50W	50W	PG13.5	1268	158	101	900	3.07	8

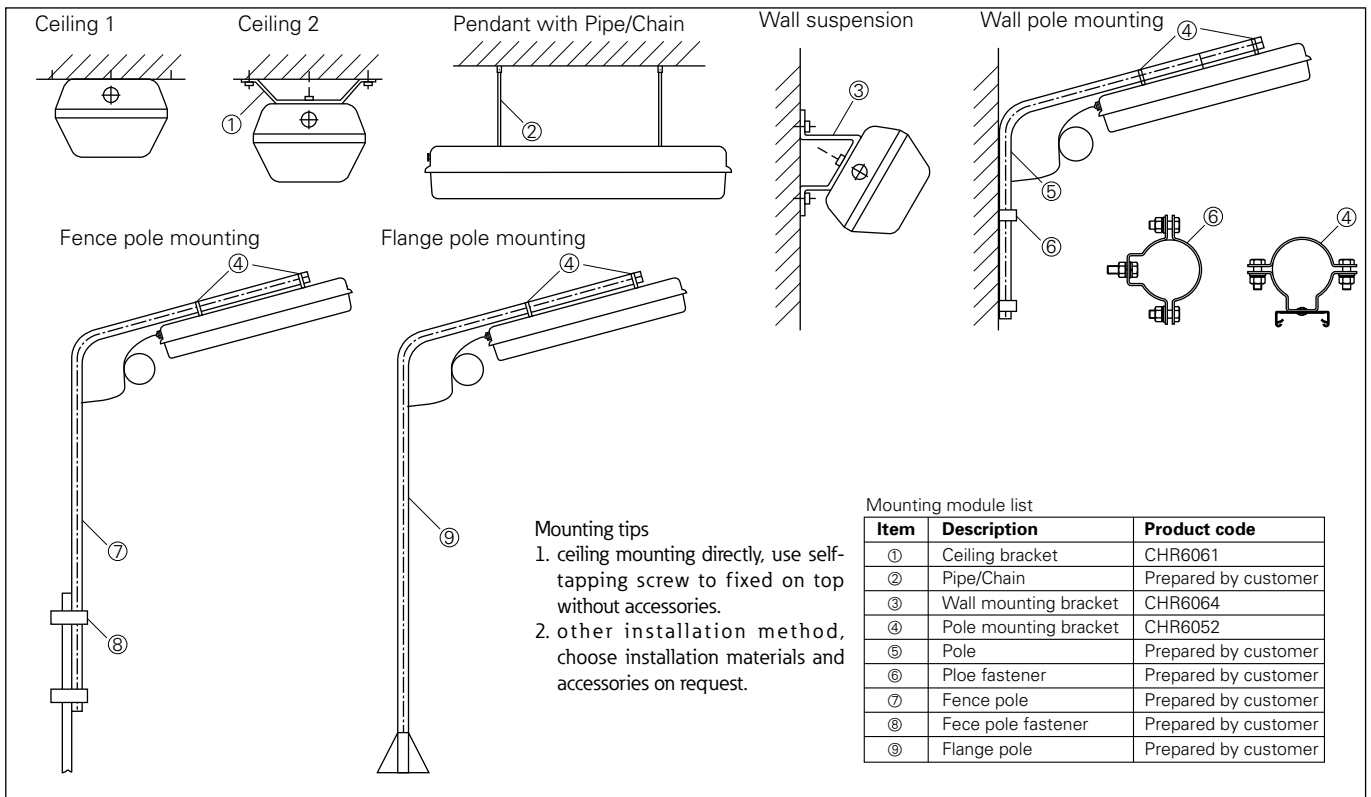
## Dimension



## Polar curve



## Mounting pattern



# CRL clean room LED panel lighting

## Product introduction

CRL LED clean room lighting has a simple appearance, smooth surface, and high degree of protection. It developed specifically for work lighting with high cleanliness requirements.

## Product application

- Suitable to biological, pharmaceutical, food, electronics, etc. require a higher degree of cleanliness of the workplace.

## Product features

- Aluminum enclosure, powder electrostatic spraying, corrosion resistance, no shedding.
- Simple lines, smooth shape, easy to clean.
- The protection grade is up to IP65, and suitable to the dust and wet location
- Using thermoelectric separation design to effectively control the heat dissipation of lamps and lanterns to prolong the life of lamps and lanterns
- Warranty: 5 years



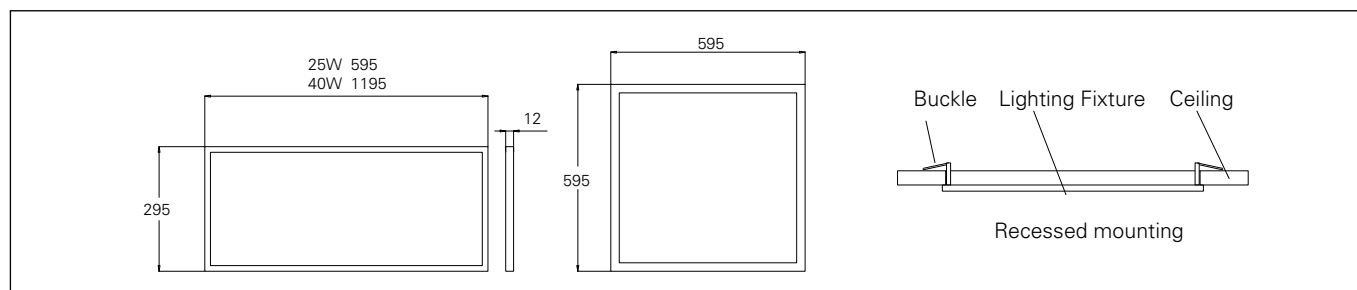
## Technical data

<b>Compliance</b>	CE
<b>IP Class</b>	IP65
<b>Ambient temperature</b>	-35°C~45°C
<b>Standard material</b>	Aluminum
<b>Input voltage</b>	AC100-240V, 50/60Hz
<b>Lumen output</b>	2400/3800Lm

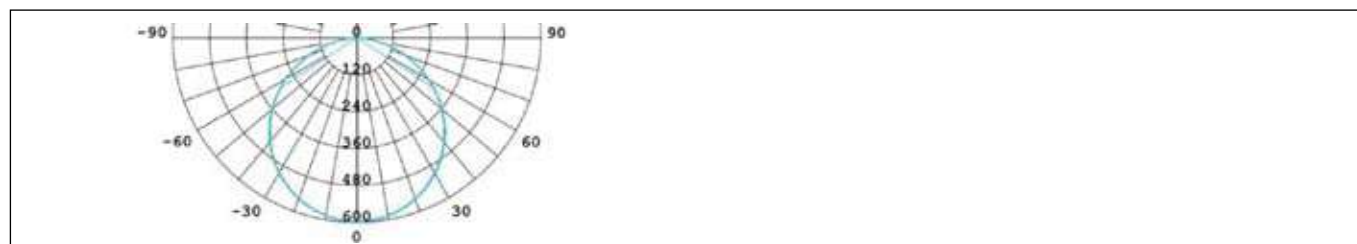
## Ordering logic

CRL	6060	-25W	-30	-D
Product group	Size	Power	Color temperature	Dimmer
CRL Clean	3060: 300x600mm( 25W)	25W	-30: 3000K	Normal: W/O Dimmer
Room LED	6060: 600x600mm(40W)	40W	-40: 4000K	-D: W/ Dimmer
Panel Lighting	3012: 300x1200mm(40W)		-50: 5000K -57: 5700K	

## Dimension



## Polar curve



# ECH-HBL LED high bay light

## Product introduction

A break-through design upon traditional industrial lighting with good heat dissipation structure of radial arrayed heat sink fins, no dust builds-up.

ECH-HBL is optional of three types of beam angle, standard beaming, wider beaming, narrow beaming, suitable for lamination in minery, factory, warehouse, bus station, etc.



## Product features

- Aluminum die casting housing with attractive looking
- High-impact resistance, and anti-corrosion abilities
- Reliable weather-proof
- A separate driver compartment, easy for LEDs and driver to dissipate heat independently and effectively
- Warranty: 5 years

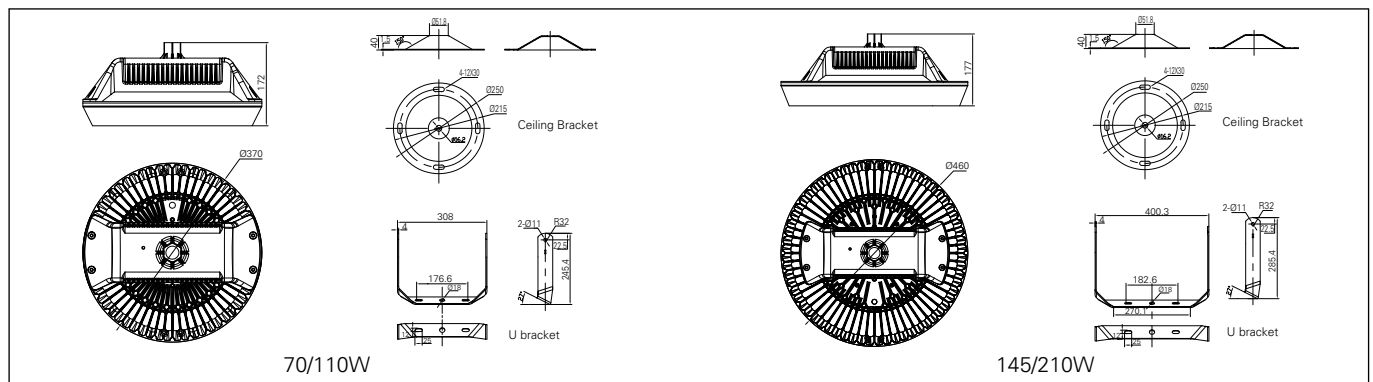
## Technical data

<b>Compliance</b>	CE
<b>IP class</b>	IP66
<b>Ambient temperature</b>	- 40°C~45°C
<b>Standard material</b>	Aluminum die casting housing
<b>Input voltage</b>	AC100-277V, 50/60Hz
<b>Cable entry</b>	without cable gland, pre-wiring

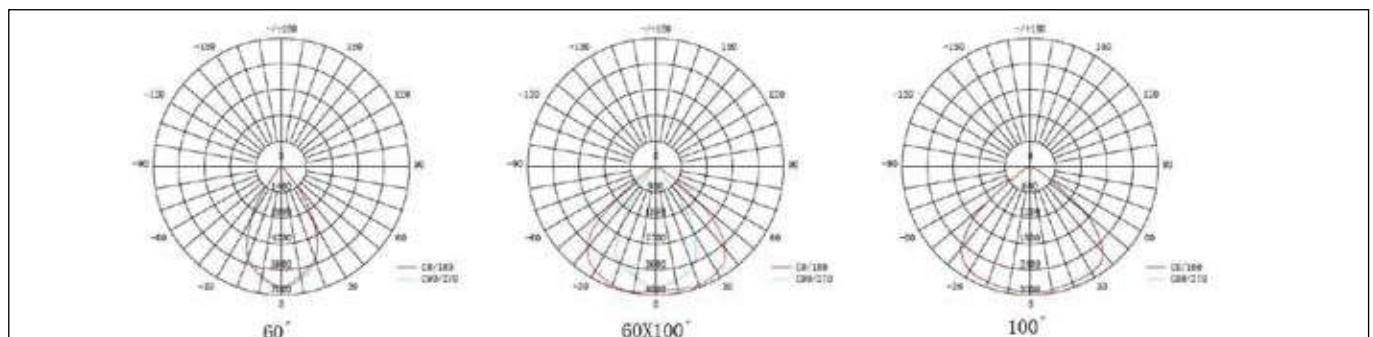
## Ordering logic

ECH-HBL	-70W	-WT	-N	-C
Product group	Power	Color temperature	Porlar curve	Mounting bracket
ECH-HBL	70W	WT=3000K, >90lm/W	N=60°	C=Ceiling bracket
	110W	MT=4000K, >110lm/W	M=60x100°	P1=Pendant G3/4"
	145W	CT=5700K, >110lm/W	W=100°	P2=Pendant M20
	210W			U=U bracket

## Dimension



## Polar curve





# ECH-SHB LED high bay light

## Product introduction

The ECH-SHB product series LED luminaires using high-quality international brand LED chips, have extremely long lifespan.

The light is used for heavy industrial, mine site processing areas, platforms, loading docks, tunnels, indoor/outdoor spotlighting, outdoor wall, and areas requiring frequent on-and off of lights, and where extremely corrosive, wet, dusty, hot and/or cold conditions exist.

## Product features

- High intensity aluminum housing
- IP65 protection
- 5 year lifespan
- Cold white CCT 5700K & warm white 3000K are available
- Coating color optional
- Warranty: 5 years



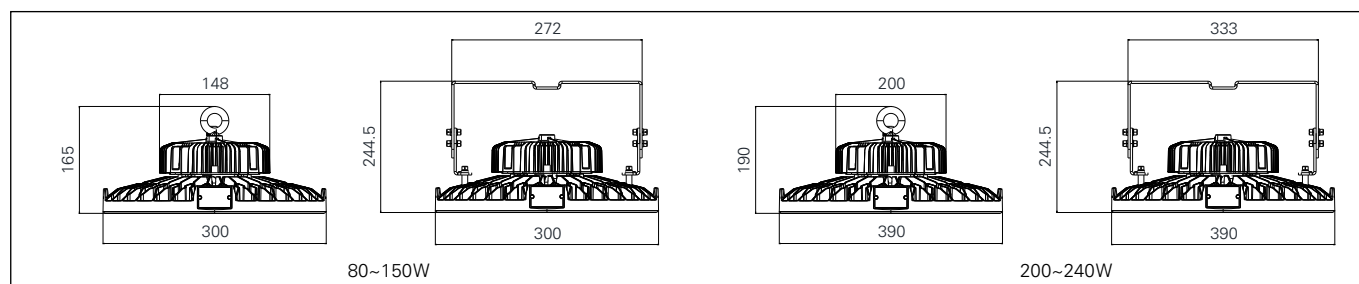
## Technical data

<b>Compliance</b>	CE
<b>IP class</b>	IP65
<b>Ambient temperature</b>	- 30°C~50°C
<b>Standard material</b>	Aluminum die casting housing
<b>Input voltage</b>	AC100-277V, 50/60Hz
<b>Cable entry</b>	without cable gland, pre-wiring

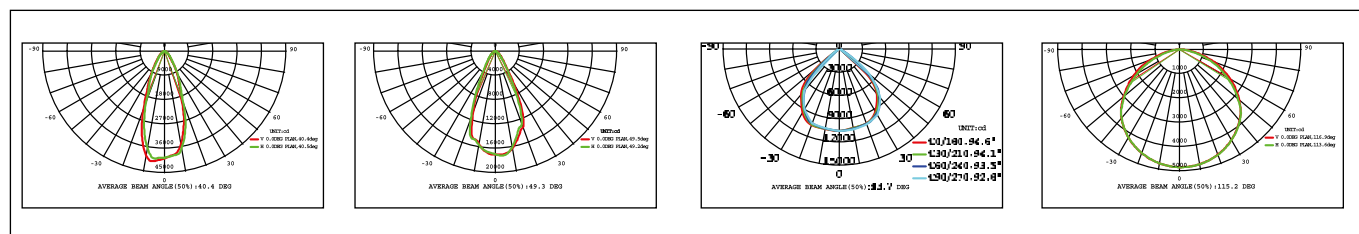
## Ordering logic

ECH-SHB	-80W	-30	-120	-P
Product group	Power	Color temperature	Polar curve	Mounting bracket
ECH-SHB	80W	30: 3000K	30° (up 150W)	P: Pendant eyebolt
	100W	57: 5700K	60°	C: Ceiling mounting
	120W		90° (under 150W)	
	150W		120°	
	200W			
	240W			

## Dimension



## Polar curve



# ECH-FDL02 LED flood light

## Product introduction

Patented design combined with many advanced technologies, ECH-FDL02 can resist impact and corrosion with high strength Aluminum extruded housing.

## Product features

- Perfect integrative heat sink insures good performance of LED lamp.
- Single or multiple LEDs module arrays your options, to provide more wattage as needed.
- LED modular design offers a simple maintenance.
- Multiple beam angles as your options, to suit your needs.
- Warranty: 5 years



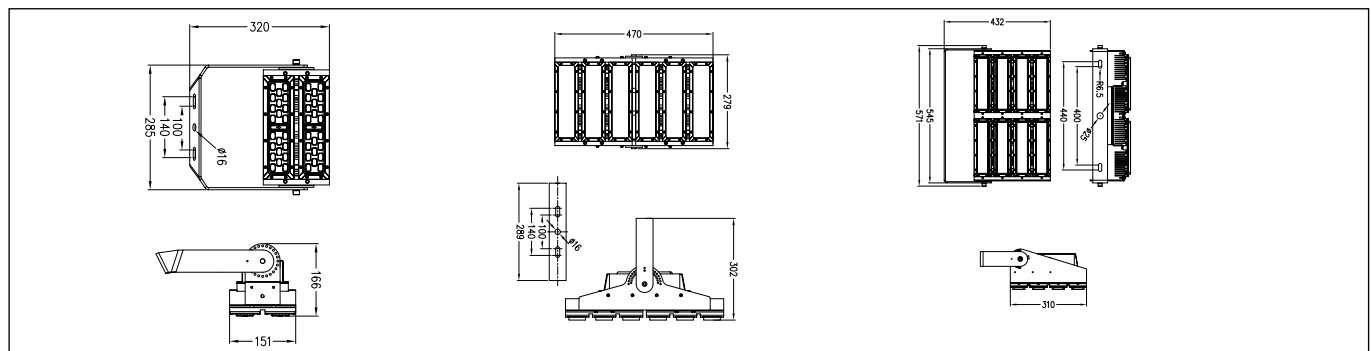
## Technical data

<b>Compliance</b>	CE
<b>IP class</b>	IP66
<b>Ambient temperature</b>	-40°C~45°C
<b>Standard material</b>	Aluminum extruded housing
<b>Input voltage</b>	AC100-277V, 50/60Hz
<b>Cable entry</b>	without cable gland, pre-wiring

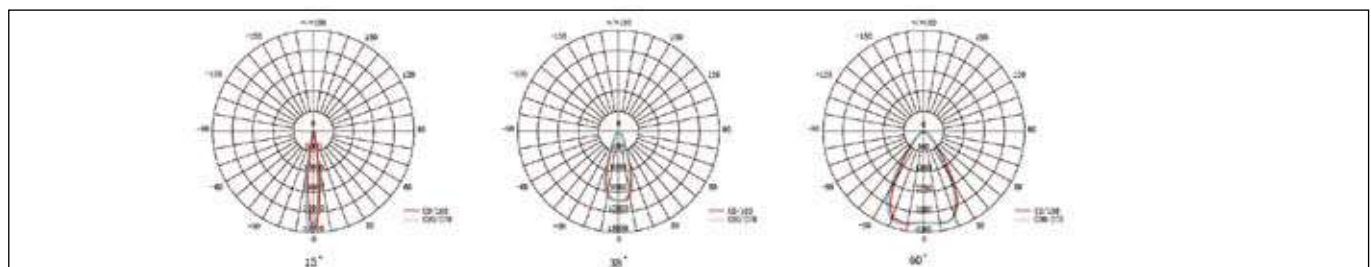
## Ordering logic

ECH-FDL02	-120W	-WT	-N
Product group	Power	Color temperature	Porlar curve
ECH-FDL02	50W 200W 60W 240W 100W 300W 120W 360W 150W 400W 180W 480W	WT=3000K, >90lm/W MT=4000K, >110lm/W CT=5700K, >110lm/W	N=15° M=38° W=60°

## Dimension



## Polar curve



# ECH-FDL06 LED Flood Light

## Product introduction

ECH-FDL06 series LED flood light has LED modularization and plug-in technology, facilitate on-site maintenance.

## Applications

- Suitable to factory, airports, power plants, warehouses, all industrial applications

## Product features

- Excellent structural- High strength Aluminum extruded housing can resist impact and corrosion.
- Reliable LED chips- Using the international brand LED chip, high luminous efficiency, good color, light a small decline, low energy consumption
- Perfect integrative heat sink - The sink insures good performance of LED lamp.
- Good protection -It has good waterproof and dustproof performance and can be used in bad environment.
- Easy maintenance - LED modular design offers a simple maintenance.
- Warranty: 5 years



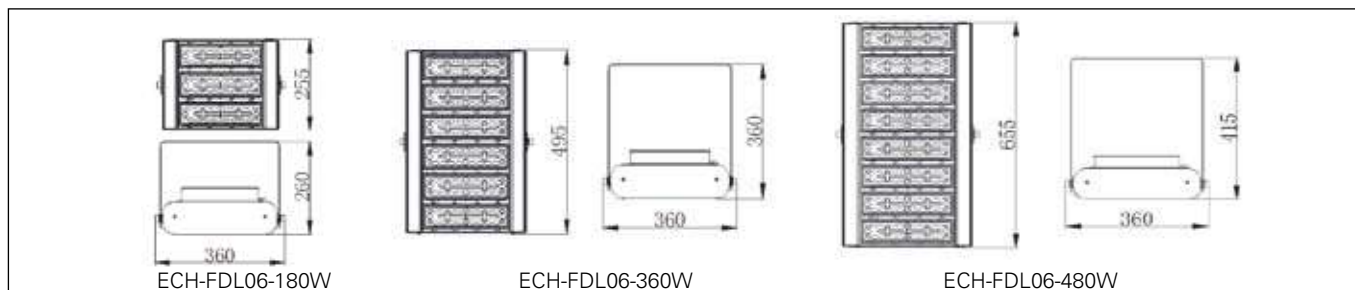
## Technical data

<b>Compliance</b>	CE
<b>IP Class</b>	IP66
<b>Ambient temperature</b>	- 40°C~45°C
<b>Material</b>	Aluminum extruded housing
<b>Input voltage</b>	AC100-240V, 50/60Hz
<b>Cable entry</b>	without cable gland, pre-wiring

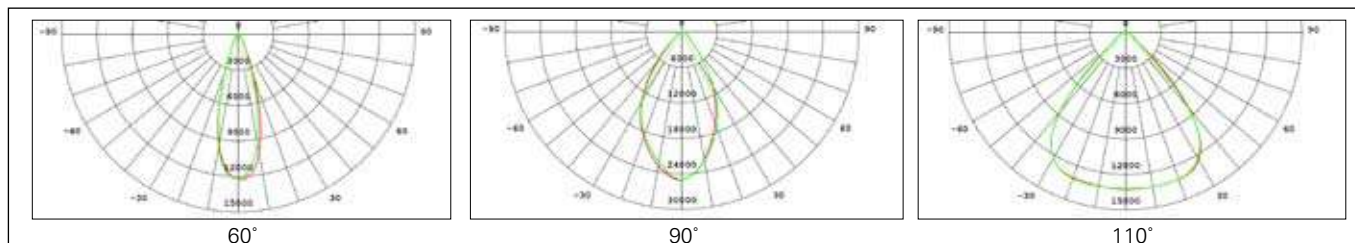
## Ordering logic

ECH-FDL06	-120W	-30	-12
Product group	Power	Color temperature	Porlar curve
ECH-FDL06	40W,50W,60W, 80W, 120W, 150W, 180W,240W, 300W,360W, 420W, 480W, 600W,720W, 840W, 960W	30=3000K 40=4000K 50=5000K 57=5700K	12° 25° 40° 60° 90° 110°

## Dimension



## Polar curve



\*please mark if you need strong corrosion-resistant version.



# ECH-STL LED street light

## Product introduction

ECH-STL can resist impact and corrosion with die casting aluminum housing. Street light housing is a shelter for LED module to prevent dust. It has independent heat sink and light distribution system in each LED module.

## Product features

- Single or multiple LED module arrays at your options, to provide more wattage.
- LED modular design offers a simple maintenance.
- Warranty: 5 years



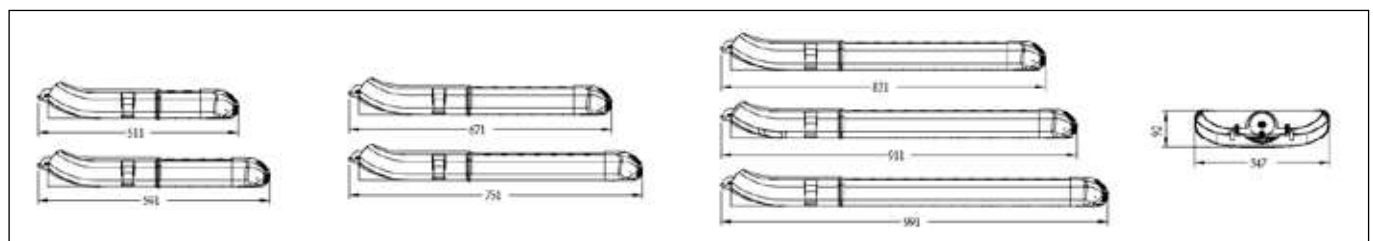
## Technical data

<b>Compliance</b>	CE
<b>IP class</b>	IP66
<b>Ambient temperature</b>	-40°C~45°C
<b>Standard material</b>	Die casting aluminum housing
<b>Input voltage</b>	AC100-277V, 50/60Hz
<b>Pole entry</b>	48-60mm

## Ordering logic

ECH-STL	-120W	-WT	-T1
Product group	Power	Color temperature	Porlar curve
ECH-STL	50W 60W 100W 120W 150W 180W 200W 240W 250W 300W 360W	WT=3000K, >90lm/W MT=4000K, >110lm/W CT=5700K, >110lm/W	T1=Type I T2=Type II T3=Type III

## Dimension



## Polar curve

