



INFINITY
ENGINEERING INDUSTRIES



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INTRODUCTION

INFINITY ELECTROMECHANICAL CONTRACTING is considered one of the leading companies in the field of electrical contracting.

INFINITY FACTORY was established in 2020 as a company specialized in sheet metal works, and electrical products, having multi divisions to produce precision and complex works.

Infinity Engineering Industries Factory has been equipped with latest technology and machines, which manufacturing cable tray managmanet system, Low voltage electrical panels, And electrical accessories.

At Infinity, our customer is our future, it is our best interest to provide that customer with the level of product, service quality that helps ensure both our future and his.



Long live
Egypt





MODERN AID, SUCCESSFUL AIM RELIABILITY

Focusing expertise, skills, experience with a vision to deliver powerful qualitative product. The success of our company depends on the commitment and efforts of every employee to offer an unmatched level of service to our customers.



MACHINE TECHNOLOGIES

As a precision facility **INFINITY** offers production, low cost technologies.

INFINITY success the latest in high tech equipment, operations are being under run by experienced well trained employees at every level.

We are electronically linked with our customers from the engineering stage to the final quality inspections prior to shipment, **INFINITY** is as committed to manufacture what you design and/or select. Thus, our business is to fulfill your designated need.

Give us a call and let us go to work for you.



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INFINITY CABLE TRAY SYSTEM

Assembly of cable support consisting of cable tray lengths or cable ladder lengths and other system components (IEC 61537)

The need for a cable tray system

As technology develops, in accordance to that the need for effective support systems arises. Today plants and buildings are moving more and more towards automation requiring complex system of wiring and cable reliance

Old methods of cable management become obsolete & out dated under these demanding conditions:

- regular inspections must be carried out for errors allocation
- many entry /exit points are required
- new cable may need to be installed, and old ones previously installed
- ventilation, essential to power and similar cables has to be present as well.

Today cable trays have become a necessary part of industrial and commercial construction.

Cable trays are capable of supporting all types of wiring :

- High voltage power lines
- Power distributions cables
- Telecommunications wiring
- Optical cables

Advantages of **INFINITY** cable trays

INFINITY cable tray system are manufactured in alliance of the International Electrical Committee standards (IEC 61537)

INFINITY cable tray system offer the following Advantages :

- Easy installations
- Increased cable fill over other wiring method
- There by saving material costs and installation labour
- The metal can be used as an equipment ground conductor
- Less space utilization than other systems
- Easy inspection of cables
- Easy errors allocation & quick repair, without any replacements of cables
- Cables can instantly be added to existing trays at a later stage



MATERIALS AND FINISHES

INFINITY

MANUFACTURES THREE TYPES OF CABLE TRAYS

LADDER TYPE - PERFORATED TYPE - DUCT TYPE

All of these are available with a full range of fixtures and accessories **Fixtures:**

System component used to join ,change direction, change dimension or terminate cable tray lengths or cable ladder lengths.

Covers:

Covers act as an additional safeguard, providing shelter from sunlight dirt accumulation and accidental contact. They also isolate cables from fires and radio frequency interference . Available in solid top or louvered top

Construction Accessories:

INFINITY manufactures all construction accessories to enable onsite installation of cable tray system, These include channel, hangers,...etc

Specific Requirements:

Other types of cable trays and fixtures can be supplied to meet specific requirements.

INFINITY cable trays are available in these materials Aluminum, steel and stainless steel Listed below the advantages of each material type.

Materials	Advantages
Aluminum	- Corrosion resistance - Easy field Fabrication & Installation - Excellent strength to weight ratio - Excellent grounding conductor
Steel	- Electric shielding - Finish options - Low thermal expansion - Limited deflection
Stainless Steel	- Superior corrosion resistance with stands high temperatures

All **INFINITY** cable trays are manufactured from prime quality sheet.

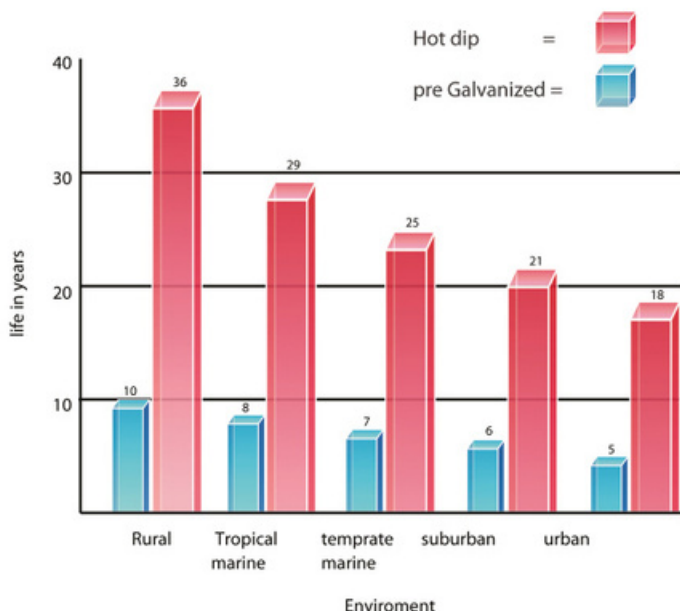
To provide adequate protection against corrosion, three types of protection are offered :

- Paint after manufacturing
- Fabricated from pre-galvanized sheets
- Hot dip galvanized after manufacturing



MATERIALS AND FINISHES

Service life is defined as the time of 5% rusting of steel service anticipated life zinc coatings in various atmospheric environments .



Dimensions

INFINITY cable tray are manufactured in the following standard dimensions :

Length mm	2000 & 2500 & 3000
Depth mm	50, 75, 100, 125 & 150
Width mm	100,150, 200, 250,.....900

Sheet metal thickness :

- 1mm for light loads
- 1.5mm for medium loads
- 2mm for heavy loads

Elbow and cross radius :

- 300mm, 600mm

Loading capability & support span all **INFINITY** cable trays are manufactured in accordance with the IEC standard(NO61537) thus they meet or exceed the loading capability of comparable cable trays .

CATALOG NUMBERING SYSTEM

For ease of ordering, each individual production is identified by a (catalog number) comprising

Letters and numbers.

Format

Code

00 00 00 00 00 0
1 2 3 4 5 6 7

Code 1 type of cable trays & cover

LT ladder
PC perforated
SC solid
CS solid cover
CV ventilated cover

Code 6 type of material

AL Aluminum
ST Steel
Ss Stainless steel

Code 2 type of cable trays & cover

2S 2 meter straight
3S 3 meter straight
H Horizontal
I Inside
O Outside
T Tee
C Cross
R Reducer

Code 7 type of finish

P Paint after fabrication
G Pre galvanized
H Hot dip galvanized

Code 3 width in centimeters

Code 4 nominal, depth in mm

A 50
B 75
C 100
D 125
K 150

Code 5 sheet metal thickness in mm

L 1mm
M 1.5mm
H 2mm

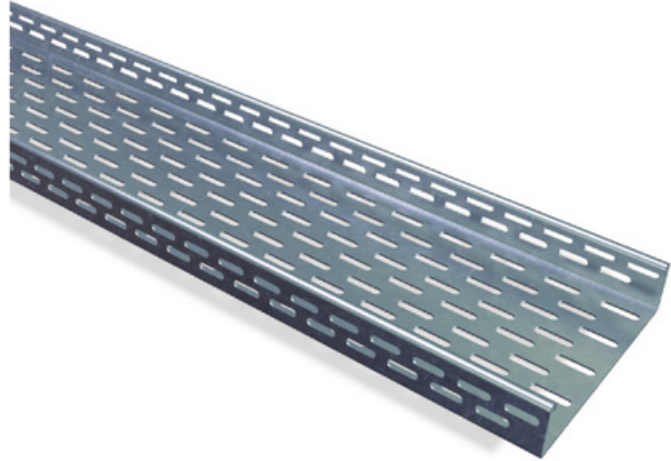
Example :

DC	Duct bottom cable tray
3S	3 meter straight section
30	30cm width
B	175 mm depth
M	1.5mm thickness
ST	Steel material
P	Painted after fabrication



TYPES OF CABLE TRAY

PERFORATED TYPE



LADDER TYPE



DUCT TYPE



CABLE TRAY

Perforated cable tray constructed from single sheet of perforated metal.

They are convenient for cables which require both a degree of protection from external damage and some ventilation.

Standard Dimensions :

Length mm	2000 & 2500 & 3000
Depth mm	50, 75, 100, 125 & 150
Width mm	100,150, 200, 250,.....900

Sheet metal thickness :

- 1mm for light loads
- 1.5mm for moderate loads
- 2 mm for heavy loads

Designs other than those listed above can be manufactured to meet special requirements.

Material : Aluminum, steel, and stainless steel

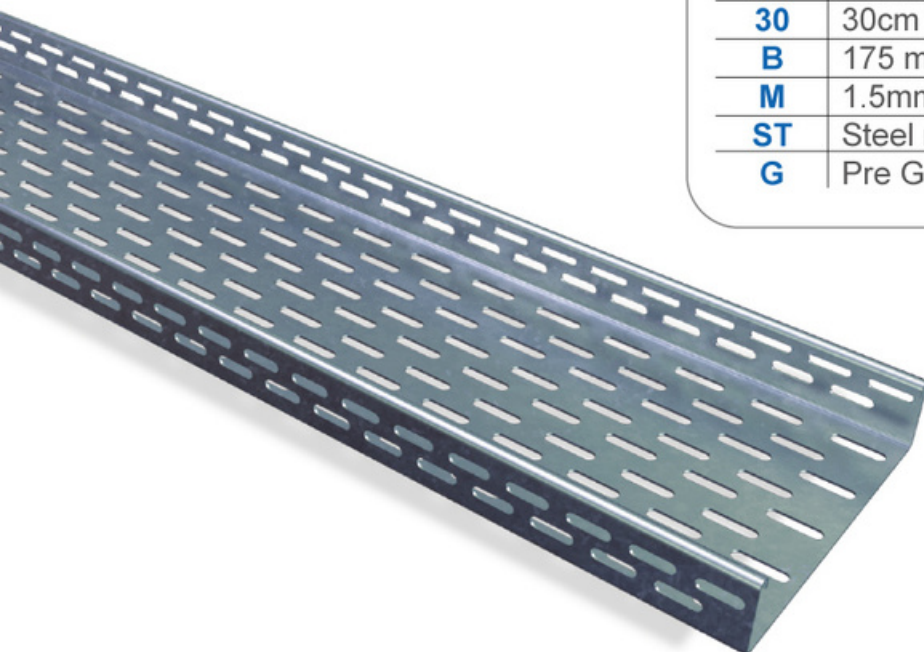
Prime quality sheets finish (after fabrication)

Finish:

Pre galvanized
 Hot dip galvanized
 Powder coat painting

Example :

PC	Perforated Cable Tray
3S	3 meter straight section
30	30cm width
B	175 mm depth
M	1.5mm thickness
ST	Steel material
G	Pre Galvanized



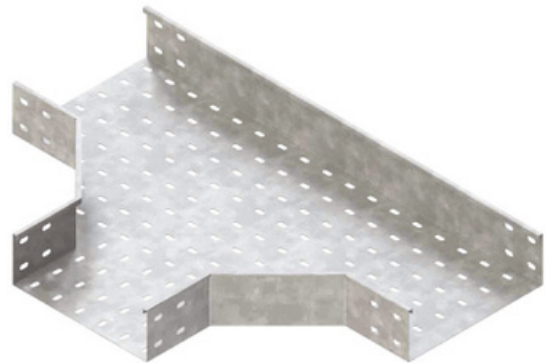
SPECIAL PARTS FOR CABLE TRAY

Width mm	100,150, 200, 250, 300,.....
Length mm	90, 95,.....
Breadth mm	50, 55,.....

Example of catalog numbering system:
Horizontal tee:

PC	Perforated cable tray
T	Horizontal Tee
15	15cm width
C	100 mm
L	1mm
ST	Steel Matrial
G	Pre galvanized

Standard Dimensions :
Radius R=300

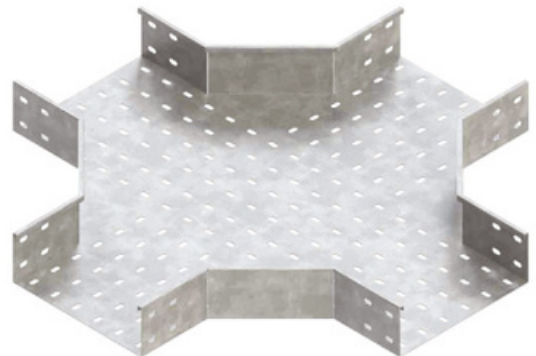


Radius R	300 mm
Width mm	100,150, 200, 250, 300,.....
Length mm	90, 95,.....

Example of catalog numbering system:
Horizontal Cross:

PC	perforated cable tray
C	Horizontal Cross
15	15cm width
C	100 mm
L	1mm
ST	Steel Matrial
G	Pre galvanized

Standard Dimensions :
Radius R=300

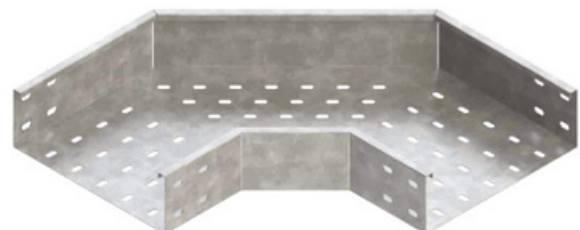


Bend Angle	90°(30°,45°,60° also available)
Width mm	100, 150, 200, 250, 300, ...
Length mm	50, 55, 60, 65, 70,.....

Example of catalog numbering system:
Horizontal Elbow:

PC	perforated cable tray
E	Horizontal Elbow
15	15cm width
C	100 mm
L	1mm
ST	Steel Matrial
G	Pre galvanized

Standard Dimensions :
Radius R 300mm

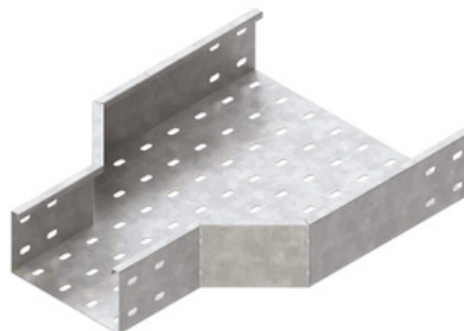


SPECIAL PARTS FOR CABLE TRAY

INFINITY manufactured a complete range of perforated cable tray reducer for joining any two sizes of straight section . Please specify both starting and ending widths .

Example of catalog numbering system:
Reducer:

PC	Perforated cable tray
R	Vertical Reducer
15 - 10	15cm straight and 10cm ending
C	100 mm
L	1mm
ST	Steel material
G	Pre galvanized



Example of catalog numbering system:
Outside Vertical Riser:

PC	Perforated cable tray
O	Outside vertical risers
15 - 10	15cm straight and 10cm ending
C	100 mm
L	1mm
ST	Steel material
G	Pre galvanized



Example of catalog numbering system:
Inside Vertical Riser:

PC	perforated cable tray
I	Inside vertical risers
15	15cm straight and 10cm ending
C	100 mm
L	1mm
ST	Steel material
G	Pre galvanized



SPECIAL PARTS FOR CABLE LADDER

Straight section of ladder type cable trays consist of two longitudinal side rails connected by individual transverse members, or rungs which are welded to the side rails or bolted this type of cable tray provides maximum ventilation of heat producing cable such as power cables.

Standard Dimensions :

Length mm	2000 & 2500 & 3000
Depth mm	50, 75, 100, 125, 150
Width mm	100,150, 200, 250,.....900

Rung spacing 300mm

Sheet metal thickness :

- 1 mm for light loads
- 1.5 mm for medium loads
- 2 mm for heavy loads

Designs other than those listed above can be manufactured to meet special requirements .

Material : Aluminum, steel and stainless steel

Finish:

- Pre galvanized
- Hot dip galvanized
- Powder coat painting



LT	Ladder type
3S	3 meter straight section
45	45cm width
C	100 mm depth
H	2mm thickness
ST	Steel material
H	Hot dip galvanized

SPECIAL PARTS FOR CABLE LADDER

Radius R	300 mm
Width mm	100,150, 200, 250, 300,.....
Length mm	90, 95,.....

Standard Dimensions:
Radius R 300mm

Example of catalog
numbering system:
Horizontal Tee:

LT	Ladder Type CableTray
T	Horizontal Tee
45	45cm width
C	100 mm depth
H	2mm thickness
ST	Steel material
H	Hot dip galvanized

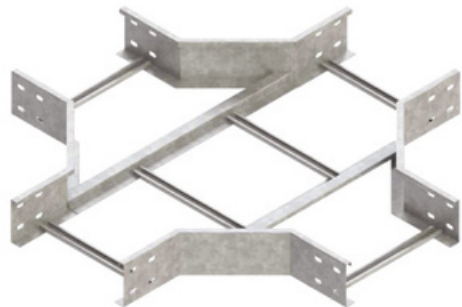


Bend Angle	90°(30°,45°,60° also available)
Width mm	100, 150, 200, 250, 300, ...
Length mm	50, 55, 60, 65, 70,.....

Standard Dimensions:
Radius R 300mm

Example of catalog
numbering system:
Horizontal Cross:

LT	Ladder Type CableTray
C	Horizontal Cross
45	45cm width
C	100 mm depth
H	2mm thickness
ST	Steel material
H	Hot dip galvanized



Width mm	100,150, 200, 250, 300,.....
Length mm	90, 95,.....
Breadth mm	50, 55,.....

Standard Dimensions:
Radius R 300mm

Example of catalog
numbering system:
Horizontal Elbow:

LT	Ladder Type CableTray
E	Horizontal Elbow
45	45cm width
C	100 mm depth
H	2mm thickness
ST	Steel material
H	Hot dip galvanized

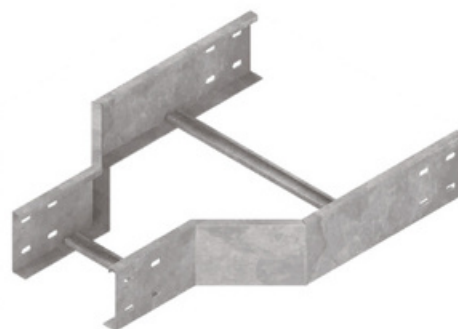


SPECIAL PARTS FOR CABLE LADDER

INFINITY MANUFACTURED A COMPLETE RANGE OF LADDER REDUCERS FOR JOINING ANY TWO SIZES OF STRAIGHT SECTIONS. PLEASE SPECIFY BOTH STARTING AND ENDING WIDTH.

Example of catalog numbering system:
Reducer :

LT	Ladder Type CableTray
R	Reducer
90 - 45	90cm straight and 45cm ending
C	100 mm depth
H	2mm thickness
ST	Steel material
H	Hot dip galvanized



Standard Dimensions:
Bend Angle 90°

Example of catalog numbering system:
Inside vertical risers:

LT	Ladder Type CableTray
I	Inside vertical risers
45	45cm width
C	100 mm depth
H	2mm thickness
ST	Steel material
H	Hot dip galvanized



Standard Dimensions:
Bend Angle 90°

Example of catalog numbering system:
Outside vertical risers:

LT	Ladder Type CableTray
O	Outside vertical risers
45	45cm width
C	100 mm depth
H	2mm thickness
ST	Steel material
H	Hot dip galvanized



CABLE TRAY DUCT

Straight section of duct bottom cable trays contracted from single sheet of metal, providing excellent protection from external damage. There are used primarily for instrumental control, communication and other non heat producing cables.

Standard dimension :

Length mm	2000 & 2500 & 3000
Depth mm	50, 70, 100, 125, 150
Width mm	100,150, 200, 250,.....900

Sheet metal thickness :

- 1 mm for light loads
- 1.5mm for medium loads
- 2 mm for heavy loads

Designs other than those listed above can be manufactured to meet special requirements.

Material:

Aluminum, steel and stainless steel

Finish:

- Pre galvanized
- Hot dip galvanized
- Powder coat painting

Straight section :

Example of catalog numbering system :

DC	Duct bottom cable tray
3S	3 meter straight section
30	30cm width
B	175 mm depth
M	1.5mm thickness
ST	Steel material
P	Painted after fabrication



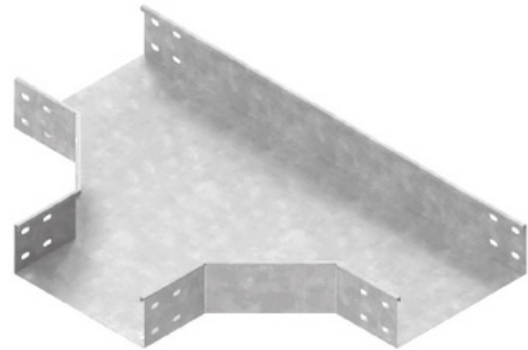
CABLE TRAY DUCT

Radius R	2000 & 2500 & 3000
Width mm	100,150, 200, 250,300.....
Length mm	90, 95,100, 110,

Standard Dimensions :
R 300mm

Horizontal Tee :
Example of catalog
numbering system :

DC	Duct bottom cable tray
T	Horizontal Tee
30	30cm width
B	175 mm depth
M	1.5mm thickness
ST	Steel material
P	Painted after fabrication

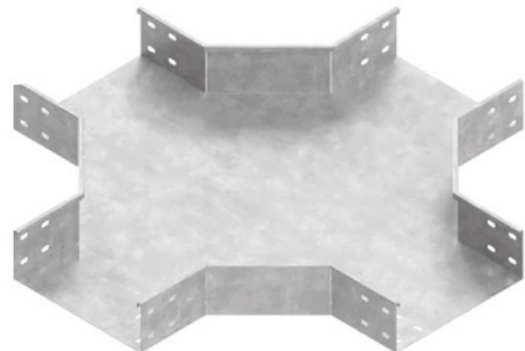


Radius R	2000 & 2500 & 3000
Width mm	100,150, 200, 250,300.....
Length mm	50, 55, 60, 65, 70.....

Standard Dimensions :
R 300mm

Horizontal Cross:
Example of catalog
numbering system :

DC	Duct bottom cable tray
C	Horizontal Cross
30	30cm width
B	175 mm depth
M	1.5mm thickness
ST	Steel material
P	Painted after fabrication

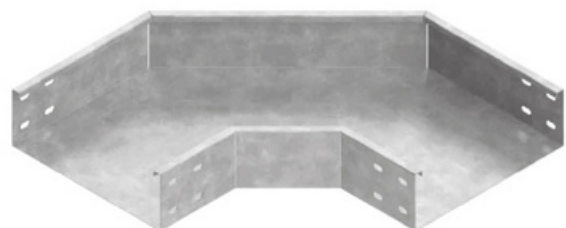


Width mm	100,150, 200, 250, 300,.....
Length mm	90, 95,100, 110,
Breadth mm	50, 55, 60, 65, 70

Standard Dimensions :
R 300mm

Horizontal Elbow:
Example of catalog
numbering system :

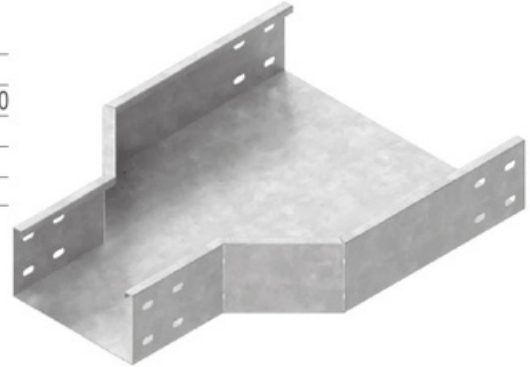
DC	Duct bottom cable tray
E	Horizontal Elbow
30	30cm width
B	175 mm depth
M	1.5mm thickness
ST	Steel material
P	Painted after fabrication



INFINITY manufactures a complete range of solid bottom reducers for joining any tow sizes of straight section .
Please specify both starting and ending width .

Example of catalog
numbering system:
Reducer :

DC	Duct bottom cable tray
R	Reducer
20 - 30	30cm starting and 20cm ending100
B	75 mm depth
M	1.5mm thickness
ST	Steel material
P	Hot dip galvanized



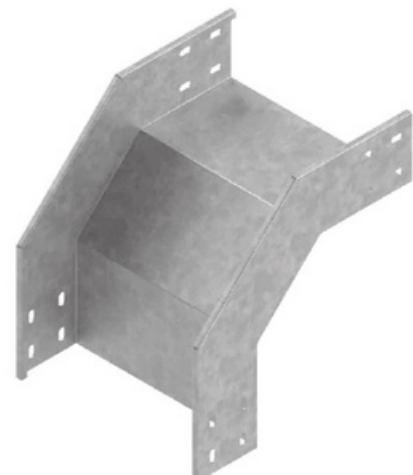
Example of catalog
numbering system:
Inside vertical risers:

DC	Duct bottom cable tray
I	Inside Vertical Risers
30	30cm width
B	175 mm depth
M	1.5mm thickness
ST	Steel material
H	Hot dip galvanized



Example of catalog
numbering system:
Outside vertical risers:

DC	Duct bottom cable tray
O	Outside Vertical Risers
30	30cm width
B	175 mm depth
M	1.5mm thickness
ST	Steel material
H	Hot dip galvanized



LOW VOLTAGE PANELS

panel
builder for



FT-FLOOR STANDING

FT production line of enclosure suitable for all application:

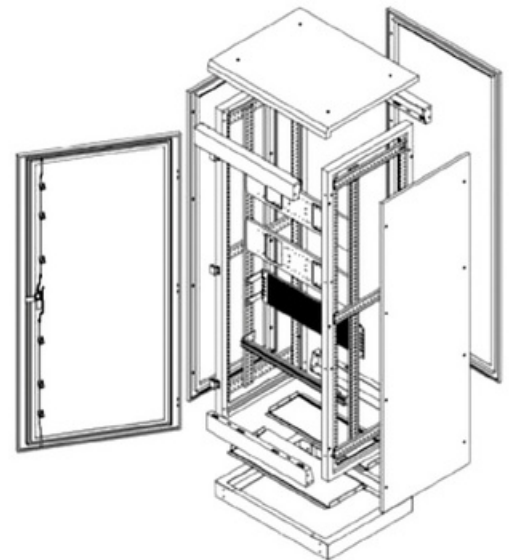
Main distribution board, Sub distribution board, Final distribution board, Electrical switch board, Phase correction, ATS, Synchronization, Power factor & Motor control centers. System modularity means that the electrical installation protection, control, technical management & monitoring functions are integrated in the same switchboard. It also simplifies switchboard maintenance, operation and upgrading.

Features

- Floor stand panel
- Suitable for large industrial places
- Can accommodate all type of electrical component
- Cable entry (bottom or top)
- IP 54

CAPACITIES & DIMENSIONS

Size	W (mm)	H (mm)	D (mm)
	600	2000	400 / 600 / 800
	800		400 / 600 / 800
	1000		400 / 600 / 800
	1200		400 / 600 / 800



SPECIFICATIONS

Material : cold rolled sheet 2 mm for frame and 1.5mm for doors anti corrosion.

- Surface treatment: anti-corrosion coating, texture, thermal polymerized polyester-epoxy powder
- Colour "RAL 7035" or as customer requirement
- Degree of protection up to IP54
- Mounting : floor standing mounted

RATINGS

- Rated operating voltage : up to 1000V
- Rated insulation voltage : 1000V
- Rated current : up to 4000A
- Short Circuit withstand capacity "70KA"
- Frequency: 50 / 60 HZ



FW-WALL MOUNTING

The **FW** series is a medium sized surface and semi-recessed mounted metal switchboard. The **FW** is suitable for wide range of application (ATS, MCC, control panel...) including medium size industrial facilities. It can accommodate most of electrical component (change over switches, load break switches, KWH meter, circuit breaker, contactors, isolator switches and pilot lamps) with bottom or top cable entry.



CAPACITIES & DIMENSIONS

Size	W (mm)	H (mm)	D (mm)
	600	600	200 / 250
	600 / 800	800	200 / 250
	600 / 800	1000	200 / 250
	600 / 800	1200	200 / 250



SPECIFICATIONS

- Cold rolled sheet 1.5 mm .
- Surface treatment: anti-corrosion coating, texture, thermal polymerized polyester-epoxy powder.
- Colour "RAL 7035" or as customer requirement
- Degree of protection IP54
- Mounting: surface or semi-recessed

RATINGS

Rated operating voltage : up to 1000V

- Rated insulation voltage : 1000V
- Rated current : up to 630A
- Short Circuit withstand capacity "25KA"
- Frequency: 50/60 Hz



FF-FLUSH MOUNTED (CONSUMER UNIT)

The **FF** (Consumer Unit) series is an economic flush mount metal switchboard. Perfect for motel, shops and small Industrial places. A very flexible design that comes In 5 different capacities and sizes.

CAPACITIES & DIMENSIONS

The **FF** family consists of **FF12** for a single row of up to 12 module of multi-9, **FF18**, **FF24**, **FF30** and **FF36**. All units can accommodate a Moulded Case Circuit Breaker.

Size	W (mm)	H (mm)	D (mm)
FF12	420	510	90 / 120
FF18	420	600	90 / 120
FF24	420	600	90 / 120
FF30	420	654	90 / 120
FF36	420	708	90 / 120
FF48	420	800	90 / 120



SPECIFICATIONS

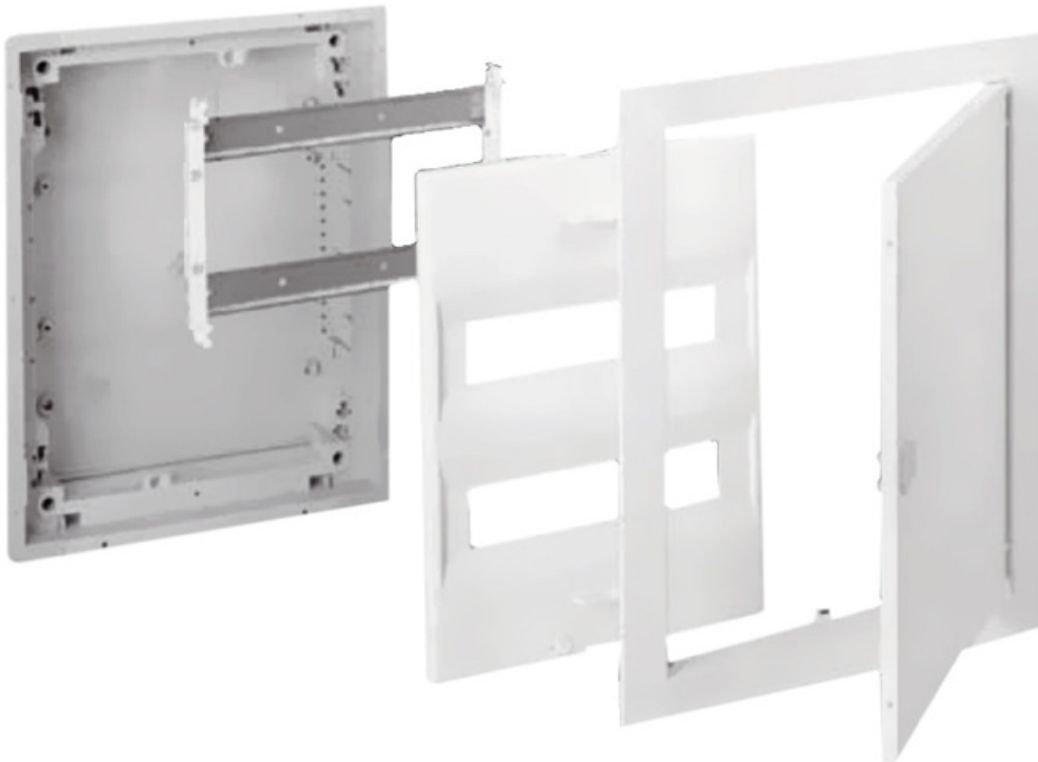
- 1 mm gauge sheet steel. Epoxy coat
- Supplied with a fish bone type busbar
- Colour "RAL 7032"
- Degree of protection IP40
- Mounting : Flush or Wall mounted

RATINGS

- Rated operating voltage : up to 1000V
- Rated insulation voltage : 1000V
- Rated current: up to 200A
- Short Circuit withstand capacity "25KA"
- Frequency: 50 I 60 HZ



PLASTIC & METAL PANELS



FLUSH MOUNTING

ENCLOSURES IP40

Series **B**

* Optional
white plastic door



name **U12B**

type **IP 40 □ In 63A**

dimensions **317 x 346 x 92**

number of modules **12 + 2**

PE, N terminal **2 x 10**

U24B

IP 40 □ In 63A

442 x 346 x 92

24 + 4

2 x 13

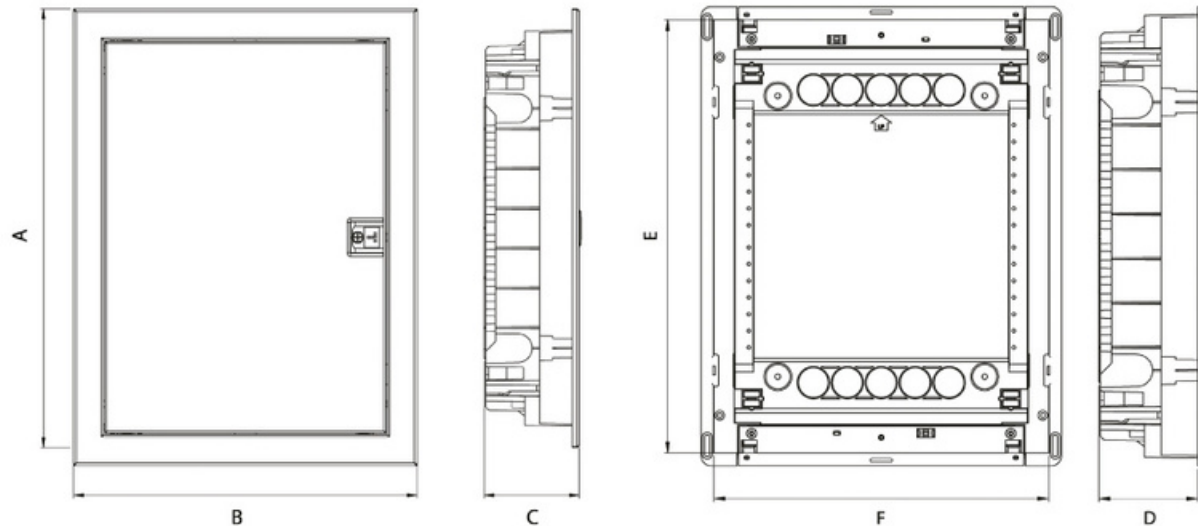
U36B

IP 40 □ In 63A

592 x 346 x 92

36 + 6

2 x 15



Enclosures are completely assembled with all necessary parts, such as:

- DIN rail
- Insulated terminals, neutral and ground
- Cover for blank space
- Installation accessories
- Manual instruction

** Additional terminal upon request*

Series B

	A	B	C	D	E	F
U12F	317 mm	346 mm	92 mm	87 mm	274 mm	306 mm
U24F	442 mm	346 mm	92 mm	87 mm	399 mm	306 mm
U36F	592 mm	346 mm	92 mm	87 mm	549 mm	306 mm

Material	ABS
Color	RAL 9003
Door	ABS
Color	Transparent
Glow wire test	650°C standard / 850°C premium
Terminal holder	Self extinguish material
Glow wire test	960°C
Temperature	-25°C / +60°C
Rated voltage	AC 400V
According to	IEC 60670
Halogen free	Yes

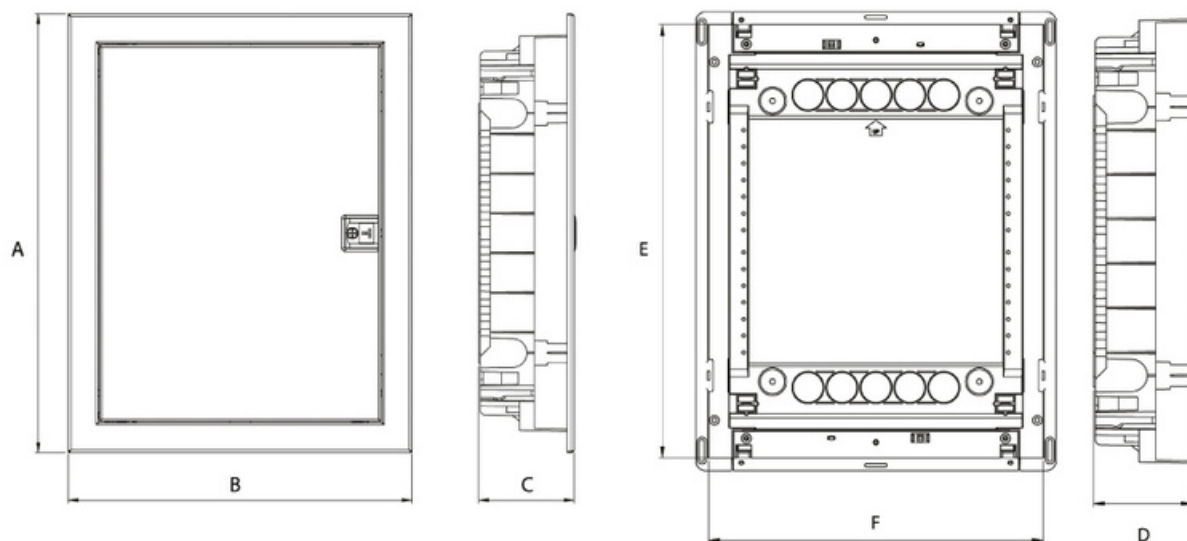
FLUSH MOUNTING

ENCLOSURES IP40

Series **M**



name	U 12 E	U24M	U36M	U48M	U60M
type	IP 40 □ In 63A	IP 40 □ In 63A	IP 40 □ In 63A	IP 40 □ In 63A	IP 40 □ In 63A
dimensions	317 x 346 x 92	442 x 346 x 92	592 x 346 x 92	717 x 346 x 92	842 x 346 x 92
number of modules	12 + 2	24 + 4	36 + 6	48 + 8	60 + 10
PE, N terminal	2 x 10	2 x 13	2 x 15	2 x 20	2 x 30



Enclosures are completely assembled with all necessary parts, such as:

- DIN rail
- Insulated terminals, neutral and ground
- Cover for blank space
- Installation accessories
- Manual instruction

** Additional terminal upon request*

Series M

	A	B	C	D	E	F
U12E	317 mm	346 mm	92 mm	87 mm	274 mm	306 mm
U24E	442 mm	346 mm	92 mm	87 mm	399 mm	306 mm
U36E	592 mm	346 mm	92 mm	87 mm	549 mm	306 mm
U48E	717 mm	346 mm	92 mm	87 mm	673 mm	306 mm
U60E	842 mm	346 mm	92 mm	87 mm	799 mm	306 mm

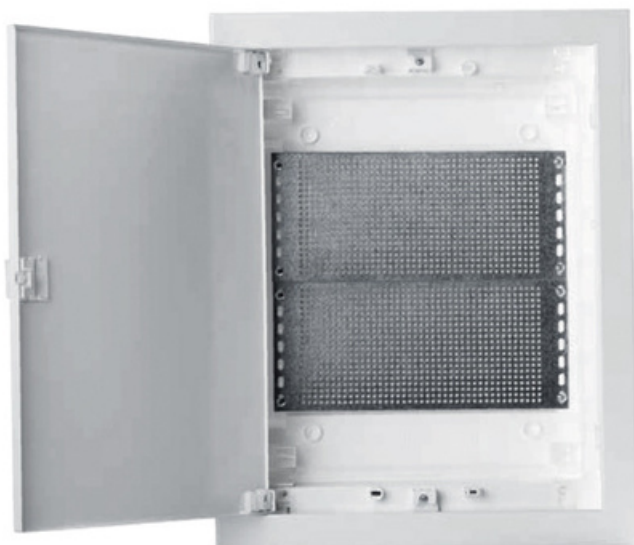
Material	ABS
Color	RAL 9003
Door	Metal
Color	White
Glow wire test	650°C standard / 850°C premium
Terminal holder	Self extinguish material
Glow wire test	960°C
Temperature	-25°C / +60°C
Rated voltage	AC 400V
According to	IEC 60670
Halogen free	Yes

**ENCLOSURE FOR MULTIMEDIA AND
COMMUNICATION DEVICES**

FLUSH MOUNTING

ENCLOSURES IP30

Series **MITF**



Material	ABS
Color	RAL 9003
Door	Metal
Color	White



name **U24MITF**
type **IP 30 ⊕ In 63A**
dimensions **442 x 346 x 92**

name **U36MITF**
type **IP 30 ⊕ In 63A**
dimensions **592 x 346 x 92**

name **U48MITF**
type **IP 30 ⊕ In 63A**
dimensions **717 x 346 x 92**

name **U60MITF**
type **IP 30 ⊕ In 63A**
dimensions **842 x 346 x 92**

ENCLOSURE FOR MULTIMEDIA AND COMMUNICATION DEVICES

WALL MOUNTING

ENCLOSURES IP40

Series **MITW**



name **U24MITW**
type **IP 30 ☉ In 63A**
dimensions **442 x 346 x 92**

name **U36MITW**
type **IP 30 ☉ In 63A**
dimensions **592 x 346 x 92**

name **U48MITW**
type **IP 30 ☉ In 63A**
dimensions **717 x 346 x 92**

name **U60MITW**
type **IP 30 ☉ In 63A**
dimensions **842 x 346 x 92**

INDUSTRIES ENGINEERING



EMERGENCY DOORS

Emergency door model details

- Thickness of iron Sheet 1.5 mm
- Door Size with full Frame 210 x 210 Cm
- Insulating water and air
- Insulating sound
- Withstands fire for 120 minutes
- TSE Certification
- Frame Size 10 Cm



EMERGENCY DOORS TYPES



CABINETS FIRE HOSES AND HOSE REELS

Mild Steel Cabinet Features

- 1.2 mm mild steel sheet poyster electrostatic.Back box, Door & Achritave
- Red Polyster powder coated finish
- S.S Paddle Latch round lock
- Suitable for surce or recess mounting
- round bar hinges
- 180° Swining door action
- Door is right or left hand opening

Stainless Steel Cabinet Features

- 1.2 mm mild steel sheet body
- 316 stainless steel doors and orchaitaves
- Hiar line Stanless steel finish
- Suitalbe for surface or reecess mountaing
- Full lenght stainless steel piano hinges
- 180° Swining door action
- Door is right or left hand opening



Single Mild Steel
Cabinet



Double Mild Steel
Cabinet



Single Stainless Steel
Cabinet



Double Stainless Steel
Cabinet

infinity

lighting

**INDUSTRIAL AND
STREET LIGHT**

UFO HIGH BAY

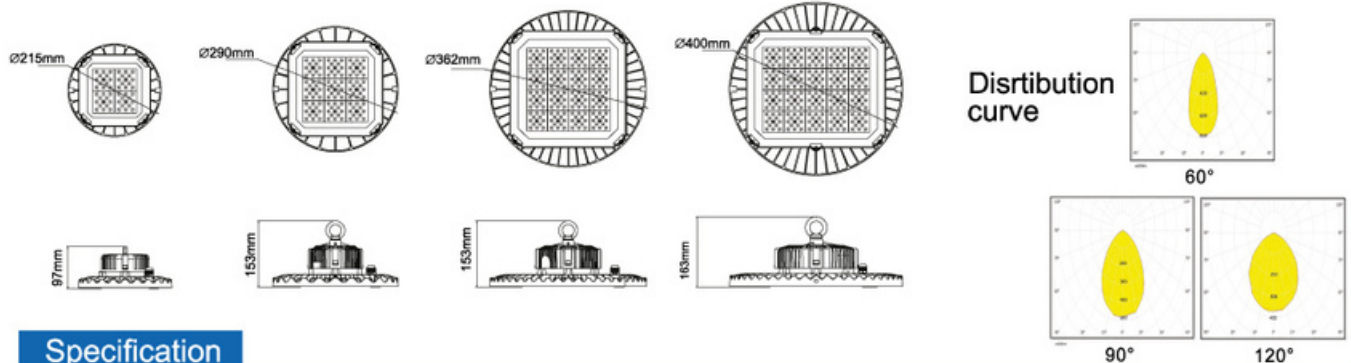
50,100,150,200W



Advantages

- Die - Cast AL Housing.
- LED Chip: Philips or Bridglux USA
- LED Driver: Meanwell By Taiwan
- Controls: 110-V Dimming/microwave/zigbee system
- Good heat dissipation long life pan.
- High temperature resistant tempered glass.

Dimension



Specification

Model	Power	Voltage	Efficiency	Chip	LED Qty	Dimension	Beam Angle
HB-S3-50W	50W	AC 100-277V	120lm/w	3030	48pcs	ø215*97mm	60° / 90° / 120°
HB-S3-100W	100W	AC 100-277V	150-160lm/w	3030	108pcs	ø290*153mm	60° / 90° / 120°
HB-S3-150W	150W	AC 100-277V	150-160lm/w	3030	192pcs	ø362*153mm	60° / 90° / 120°
HB-S3-200W	200W	AC 100-277V	150-160lm/w	3030	240pcs	ø400*163mm	60° / 90° / 120°

IP Rank	CCT	CRI(Ra)	PF	Operating Temperature	Lifetime	Warranty
IP 65	2700-6500K	>80	98%	-20~50°C	>50000h	5 Years

Applications

- Warehouses
- Industrial facilities
- Manufacturing facilities
- School and university gymnasiums
- Commercial applications like department stores

LED STREET LIGHT

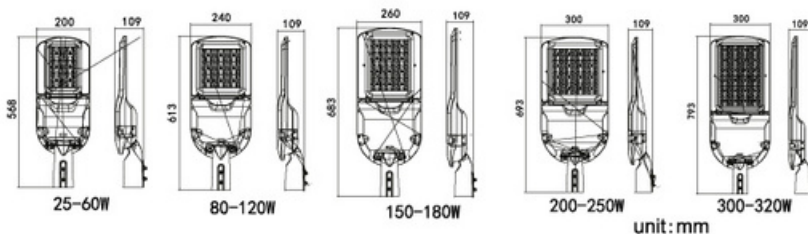
25-320W



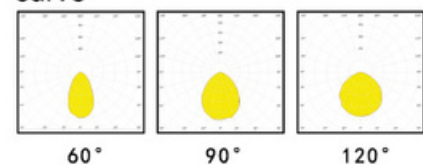
Advantages

- Patent private mould integrated die-casting AL.
- LED Chip: Philips or Bridglux USA
- LED Driver: Meanwell By Taiwan
- Controls: 110-V Dimming/microwave/zigbee system.
- Flat honeycomb design, good heat dissipation.
- Tempered glass panel, no glue fixed.
- IP66.
- 4060/50/mm hole size is available.

Dimension



Distrtibution curve



Specification

Model	Power	Voltage	Efficiency	Chip	LED Qty	Dimension	Beam Angle
RL-S7-25W	25W	AC100V-240V	130-170lm/w	3030/5050	96/144/48pcs	568*200*109mm	60° /90° /120°
RL-S7-50W	50W	AC100V-240V	130-170lm/w	3030/5050	96/144/48pcs	568*200*109mm	60° /90° /120°
RL-S7-60W	60W	AC100V-240V	130-170lm/w	3030/5050	96/144/48pcs	568*200*109mm	60° /90° /120°
RL-S7-80W	80W	AC100V-240V	130-170lm/w	3030/5050	144/216/72pcs	613*240*109mm	60° /90° /120°
RL-S7-100W	100W	AC100V-240V	130-170lm/w	3030/5050	144/216/72pcs	613*240*109mm	60° /90° /120°
RL-S7-120W	120W	AC100V-240V	130-170lm/w	3030/5050	144/216/72pcs	613*240*109mm	60° /90° /120°
RL-S7-150W	150W	AC100V-240V	130-170lm/w	3030/5050	192/288/96pcs	683*260*109mm	60° /90° /120°
RL-S7-180W	180W	AC100V-240V	130-170lm/w	3030/5050	192/288/96pcs	683*260*109mm	60° /90° /120°
RL-S7-200W	200W	AC100V-240V	130-170lm/w	3030/5050	256/384/128pcs	693*300*109mm	60° /90° /120°
RL-S7-250W	250W	AC100V-240V	130-170lm/w	3030/5050	256/384/128pcs	693*300*109mm	60° /90° /120°
RL-S7-300W	300W	AC100V-240V	130-170lm/w	3030/5050	384/576/192pcs	793*300*109mm	60° /90° /120°
IP Rank	CCT	CRI(Ra)	Material	Operating Temperature	Lifetime	Warranty	
IP 66	3000-6000k	Ra > 70	ADC12	-40 ~ 50°C	> 50000h	5 Years	

Applications

- Industrial Areas
- City Roads
- Residential Areas
- Sdie Walks
- Parks



LED HIGH-POLE LAMP

300,400,600,960W



300W



400W



600W

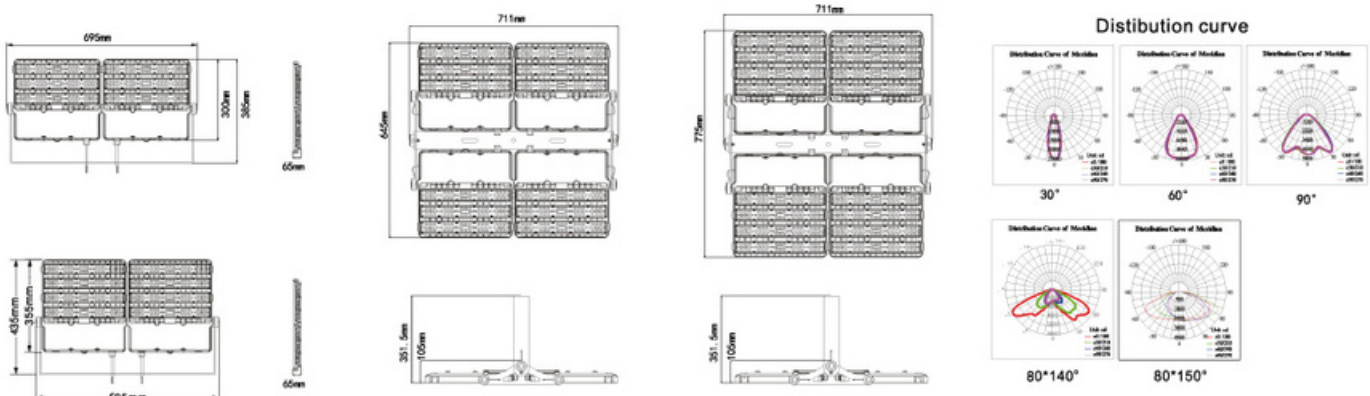


960W

Advantages

- Patent private mould, integrated die-casting AL.
- Modular combination available.
- Glare free lens, lens for 48pcs LED: 30°/60°/90°/80°/140°.
lens for 22*3/22*4pcs LED: 12°/60°/90°/80°/150°.
- Able to match Meanwell and other mainstream drivers in the market.
- 0/1-10V Dimming, time control, daylight sensor available.
- IP 66.
- Color: Matte black, Silver grey, other colors customizable.

Dimension



Specification

Model	Power	Voltage	Efficiency	Chip	LED Qty	Dimension	Beam Angle
FDL-S1-300W-P	300W	AC100-277V	120lm/w-150lm/w	3030 3535/5050	288/396/528pcs 132/288pcs	695*385*65mm	30°/60°/90°/80°140°/80°150°
FDL-S1-400W-P	400W	AC100-277V	120lm/w-150lm/w	3030 3535/5050	384/528/704pcs 176/384pcs	695*435*65mm	30°/60°/90°/80°140°/80°150°
FDL-S1-480W-P	480W	AC100-277V	120lm/w-150lm/w	3030 3535/5050	384/528/704pcs 176/384pcs	695*435*65mm	30°/60°/90°/80°140°/80°150°
FDL-S1-600W-P	600W	AC100-277V	120lm/w-150lm/w	3030 3535/5050	576/792/1056pcs 264/576pcs	711*645*105mm	30°/60°/90°/80°140°/80°150°
FDL-S1-960W-P	960W	AC100-277V	120lm/w-150lm/w	3030 3535/5050	768/1056/1408pcs 352/768pcs	711*775*105mm	30°/60°/90°/80°140°/80°150°
IP Rank	CCT		(Ra)	Material	Operating Temperature	Lifetime	Warranty
IP 66	2700-6500K		> 80	ADC12	-20~50℃	> 50000h	5 Years

Applications

- Football field
- Steel-structure beacon
- High-pole beacon
- Football field lighting cases

LED FLOOD LIGHT

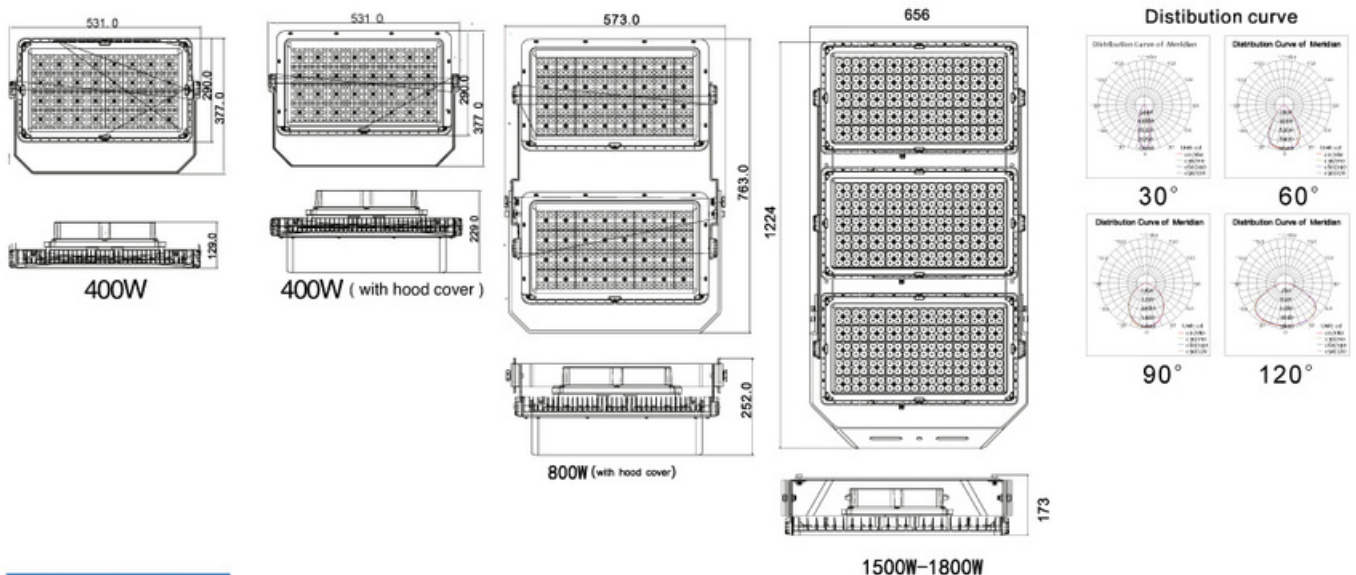
400-1800W



Advantages

- Patented private mold, integrated die-casting aluminum alloy
- High efficiency 100lm/w-160lm/w
- Lens angle including 30°/60°/90°/120°
- Able to match branded driver like Meanwell/Sosen, etc
- Can be used in parallel with multiple modules.
- Protection level up to IP66
- Black/grey finish available

Dimension



Specification

Model	Power	Voltage	Efficiency	Chip	LED QTY	Dimension	Beam Angle
FDL-S4-400W	400W	AC100-240V	110lm/w-150lm/w	3030 3535	128/384/512pcs 768pcs	531*377*129mm	30°/60°/90°/120°
FDL-S4-500W	500W	AC100-240V	110lm/w-160lm/w	3030 3535	600/800/1200pcs 200pcs	637*462*134mm	30°/60°/90°/120°
FDL-S4-600W	600W	AC100-240V	100lm/w-140lm/w	3030 3535	600/800/1200pcs 200pcs	637*462*134mm	30°/60°/90°/120°
FDL-S4-800W	800W(2拼接/models)	AC100-240V	110lm/w-150lm/w	3030 3535	256/768/1024pcs 1536pcs	573*763*152mm	30°/60°/90°/120°
FDL-S4-1000W	1000W(2拼接/models)	AC100-240V	110lm/w-160lm/w	3030 3535	1200/1600/2400pcs 400pcs	847*656*173mm	30°/60°/90°/120°
FDL-S4-1200W	1200W(2拼接/models)	AC100-240V	100lm/w-140lm/w	3030 3535	1200/1600/2400pcs 400pcs	847*656*173mm	30°/60°/90°/120°
FDL-S4-1500W	1500W(3拼接/models)	AC100-240V	110lm/w-160lm/w	3030 3535	1800/2400/3600pcs 600pcs	1224*656*173mm	30°/60°/90°/120°
FDL-S4-1800W	1800W(3拼接/models)	AC100-240V	100lm/w-140lm/w	3030 3535	1800/2400/3600pcs 600pcs	1224*656*173mm	30°/60°/90°/120°
IP Rank	CCT	CRI(Ra)		Material	Opertaing Temperature	Lifetime	Warranty
IP 66	3000-6000K	>80		ADC12	-20~50℃	>50000h	5 Years



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شركة التوكول للصناعات المعدنية والطلاءات
Al-Tawakol For Steel Fabrication & Galvanization Co.

Date: 27/09/2021

QUALITY CERTIFICATE

Al Tawakol for Steel fabrication & Galvanization Co. certifies here

To the Client: العميل

Products: منتجات للاستخدام العفاري

That the coming products are hot dip galvanized according to ISO 1461

Products	Steel Thickness	Refarea1	Refarea2	Refarea3	Average
خامات الفولاذ	1.5	70	83	78	$\mu 77$
طلاء حامل كوابل	1.25	72	80	78	$\mu 77$
طلاء حامل كابلات	1	64	56	72	$\mu 64$
كابل فولاذ	1.5	64	72	77	$\mu 71$
سبي لتفصيل	2	55	57	60	$\mu 57$
رسومات	1.5	59	78	61	$\mu 66$

Hope our Quality Find you Satisfaction

Q.C Manager

 Saad Farley

Address: 10th of Ramadan City, Industrial Zone A5 Piece 203

Tel:0101118130 E-mail: galva@altawakol.com Website: www.galva-altawakol.com

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شركة التواكول للصناعات المعدنية والطلاء
Al-Tawakol For Steel Fabrication & Galvanization Co.

Date: 15/06/2021

QUALITY CERTIFICATE

Al Tawakol for Steel fabrication & Galvanization Co. certifies here

To the Client: العميل

To: موقع الخزانة

The that coming products are hot dip galvanized according to **ISO 1461**

Products	Steel Thickness	Ref. area1	Ref. area2	Ref. area3	Average
كاشي خزاني	1.5	65	58	59	μ 61
وصصلات خزاني	1.5	75	95	72	μ 81

Hope our Quality Find your Satisfaction

Q.C Manager
Dana Fathy

Address: 10th of Ramadan City, Industrial Zone A5 Piece 203
Tel: 01011118130 E-mail: galva@altawakol.com Website: www.galva-altawakol.com

Certificate of **Schneider**
Electric

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مركز الصناعات التكنولوجية
Engineering Industries Technology Center

شهادة اعتماد وصلاحية



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الإعتماد

المدير الفني

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Verified Signature: 

Date: 2021/08/24

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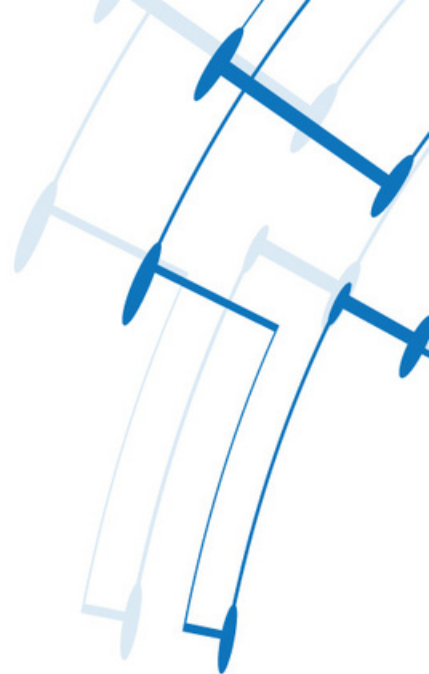


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