

# SBAL Series

The SBAL LED area light is designed as a replacement for street light and vapor lamp. It has a low profile design made of one piece die-cast aluminum housing with UV resistant polycarbonate optical lens. This LED area light delivers high lumens with efficacy up to 130 lumens per watt and long life for a more energy efficient and low maintenance lighting solution. IP66/IK09 design for harsh environments from -22°F to 122°F. This LED area light is designed to slip-fit, round pole, square pole and trunnion (bracket) mount, the versatile mounting configurations offer simple installation. The type II, III, IV, V light distribution make it ideal for general outdoor and commercial area lighting in parking lots, office complexes, campuses, walkways, stadiums, squares and billboards, etc.



## FEATURES :

- ETL/cETL listed for wet locations, IP66 rated
- DLC 4.4 premium certified
- 130 lumens per watt
- 100-277VAC universal voltage
- 0-10V dimming optional
- Photocontrol sensor for dusk to dawn operation
- Built-in 10kV surge protector

## SBAL Series

### APPLICATIONS

- Wet areas
- Parking lots
- Office complexes
- Campuses
- Walkways
- Stadiums
- Squares
- Billboards
- Urban road
- Highway
- Industrial area
- Sidewalk
- Garden
- School
- Residential area
- Commercial area

### CONSTRUCTION

- One piece die-cast aluminum housing
- UV resistant polycarbonate optical lens
- High lumens with efficacy up to 130 lumens per watt
- Designed to slip-fit
- Round pole, square pole and trunnion (bracket) mount
- The versatile mounting configurations offer simple installation



Stadiums



Highway



Urban road



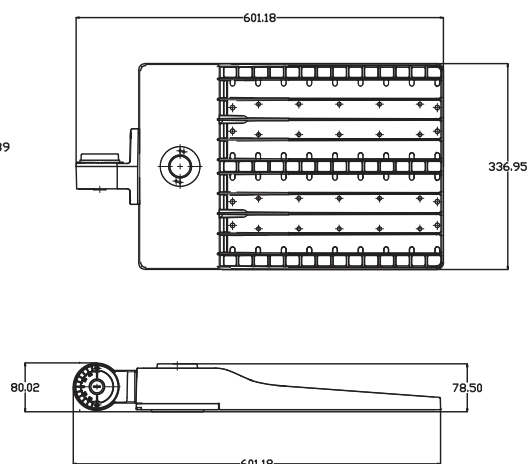
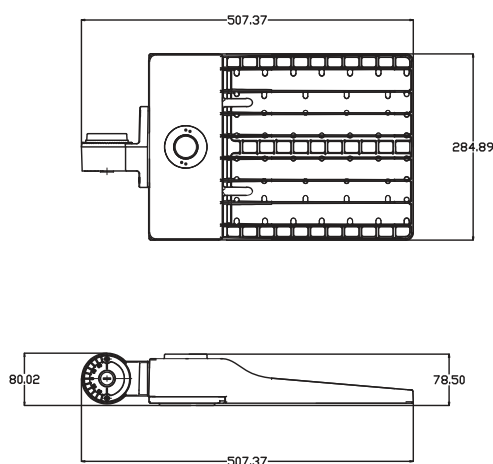
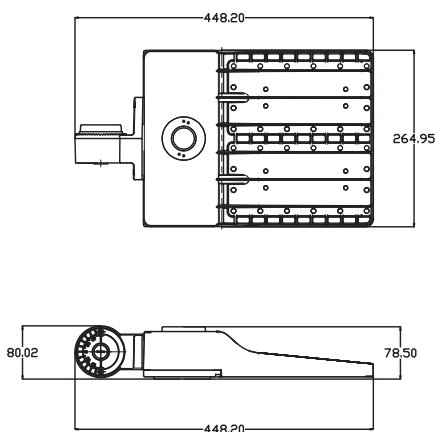
Parking lots

### DIMENSION:(mm/in)

#### 60W & 150W

#### 200W

#### 250W & 320W



# SBAL Series

## TECHNICAL SPECIFICATION:

- Input Voltage : 100-277VAC
  - Luminous Efficacy : up to 130lm/w
  - Colour Rendering Index : > 70Ra
  - Power Factor : >0.9
  - Operating Temperature : -30°C up to 50°C (-22°F up to 122°F)
  - Color Temperature : 4000K/5000K
  - Lens : Polycarbonate Body & Diffuser
  - Ingress Protection : IP66
  - Impact Rating : IK09
  - Fitting Length : (448mm / 507mm / 601mm)
  - Beam Angle : T2: Asymmetric Narrow Type II, T3: Asymmetric Wide Type III, T4 : Asymmetric Forward Type IV, T5: Symmetric Medium Type V
  - Housing : Die-cast aluminum body. PC cover diffuse
  - Installation: SBAL-TA: Knuckle Mount, SBAL-TB: Universal Arm Mount, SBAL-TE: Universal Arm Mount, SBAL-TF: Wall Mount, SBAL-TBC: Universal Arm Mount
  - Environment : damp/wet locations
  - Certification : ETL/cETL, DLC Premium
  - Rated Life : 50,000 hours
  - Warranty : 5 years
- # 1 : The power consumption can be programmed by the dimming interface, default set as maximum.

## SPECIFICATIONS :

| Produce Code                 | KLSBAL060-XXXXXXXXXX                                                                                                                                                | KLSBAL100-XXXXXXXXXX                             | KLSBAL150-XXXXXXXXXX                             | KLSBAL200-XXXXXXXXXX                             | KLSBAL250-XXXXXXXXXX                             | KLSBAL320-XXXXXXXXXX                             |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Power Consumption(W)</b>  | 60                                                                                                                                                                  | 100                                              | 150                                              | 200                                              | 250                                              | 320                                              |
| <b>Lumens Delivered (lm)</b> | 7800                                                                                                                                                                | 13000                                            | 19500lm                                          | 26000                                            | 32500                                            | 41600                                            |
| <b>Efficacy (lm/W)</b>       | 130                                                                                                                                                                 | 130                                              | 130                                              | 130                                              | 130                                              | 130                                              |
| <b>CRI</b>                   | >70                                                                                                                                                                 | >70                                              | >70                                              | >70                                              | >70                                              | >70                                              |
| <b>Input Voltage</b>         | 100-277VAC                                                                                                                                                          | 100-277VAC                                       | 100-277VAC                                       | 100-277VAC                                       | 100-277VAC                                       | 100-277VAC                                       |
| <b>Power Factor</b>          | >0.9                                                                                                                                                                | >0.9                                             | >0.9                                             | >0.9                                             | >0.9                                             | >0.9                                             |
| <b>L 70</b>                  | More than 50000hours                                                                                                                                                | More than 50000hours                             | More than 50000hours                             | More than 50000hours                             | More than 50000hours                             | More than 50000hours                             |
| <b>Housing</b>               | Die-cast aluminum body(Bronze/Black). PC diffuse                                                                                                                    | Die-cast aluminum body(Bronze/Black). PC diffuse | Die-cast aluminum body(Bronze/Black). PC diffuse | Die-cast aluminum body(Bronze/Black). PC diffuse | Die-cast aluminum body(Bronze/Black). PC diffuse | Die-cast aluminum body(Bronze/Black). PC diffuse |
| <b>Installation</b>          | SBAL-TA: Knuckle Mount , SBAL-TB :Small Universal Arm Mount, SBAL-TE: Big Universal Arm Mount, SBAL-TF: Wall Mount, SBAL-TBC: Adjustable Aangle Universal Arm Mount |                                                  |                                                  |                                                  |                                                  |                                                  |
| <b>Operating Temperature</b> | -30°C up to 50°C (-22°F up to 122°F)                                                                                                                                | -30°C up to 50°C (-22°F up to 122°F)             | -30°C up to 50°C (-22°F up to 122°F)             | -30°C up to 50°C (-22°F up to 122°F)             | -30°C up to 50°C (-22°F up to 122°F)             | -30°C up to 50°C (-22°F up to 122°F)             |
| <b>Certification</b>         | ETL/cETL,DLC Premium                                                                                                                                                | ETL/cETL,DLC Premium                             | ETL/cETL,DLC Premium                             | ETL/cETL,DLC Premium                             | ETL/cETL,DLC Premium                             | ETL/cETL,DLC Premium                             |

# SBAL Series

## Models

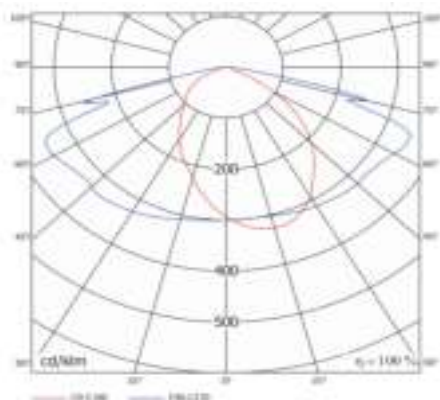
For example (KLSBAL150-T350KTASOP)

| Family                                                     | Wattage                                                                   | Separator | Photometric                                                                                                                                | CCT                                    | Mount                                                                                                                                                | Sensor                                                                                                                               | Surge protector   |
|------------------------------------------------------------|---------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>KLSBAL :</b><br>KILI-LED<br>100-277VAC<br>Area lighting | 060: 60W<br>100: 100W<br>150: 150W<br>200: 200W<br>250: 250W<br>320: 320W | —         | T2: Asymmetric<br>Narrow Type II<br>T3: Asymmetric<br>Wide Type III<br>T4: Asymmetric<br>Forward Type IV<br>T5: Symmetric<br>Medium Type V | 30K: 3000K<br>40K: 4000K<br>50K: 5000K | TA: Knuckle Mount<br>TB: Small Universal Arm Mount<br>TE: Big Universal Arm Mount<br>TF: Wall Mount<br>TBC: Adjustable Aangle<br>Universal Arm Mount | SO : without sensor<br>(standard)<br>S1 : With sensor of<br>100-277VAC<br>(JL-205)<br>S2 : with sensor of<br>250-480VAC<br>(JL-207C) | P: 10KA<br>S: 6KV |

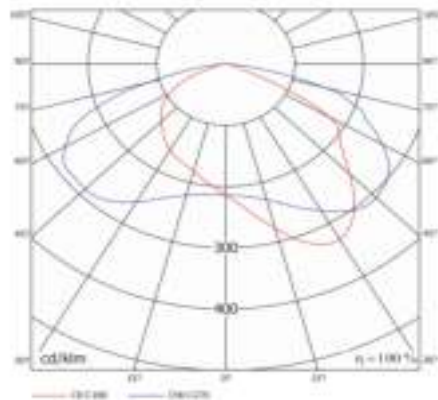
## LUMINAIRE PHOTOMETRIC

### Luminous Intensity Distribution Diagram:

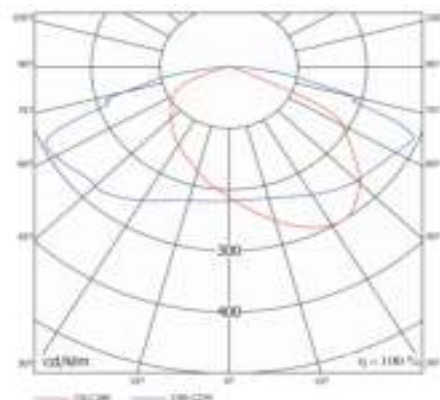
**T2 : Asymmetric Narrow Type II**



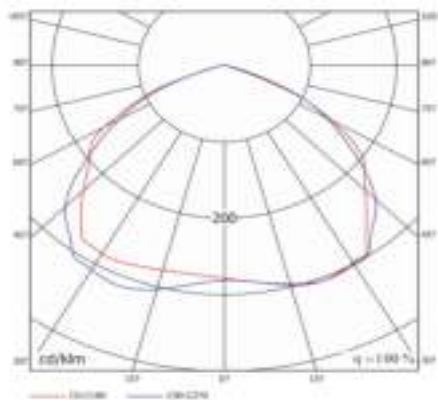
**T3 : Asymmetric Wide Type III**



**T4 : Asymmetric Forward Type IV**



**T5 : Symmetric Medium Type V**



# SBAL Series

## PRODUCT SHOW

60W & 150W



200W



250W & 320W



# SBAL Series

TYPE-A



TYPE-B



TYPE-BC



TYPE-E



TYPE-F





# SBAL Series

The SBAL Area Light that outperforms its competitors



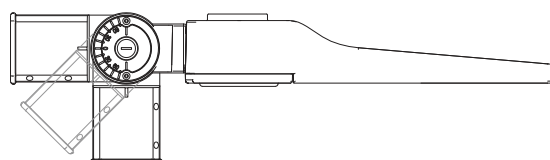
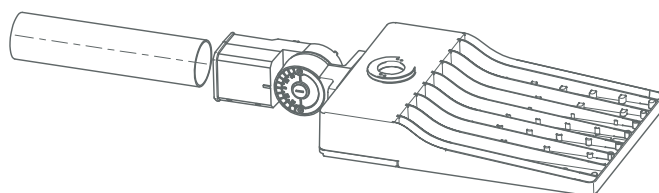
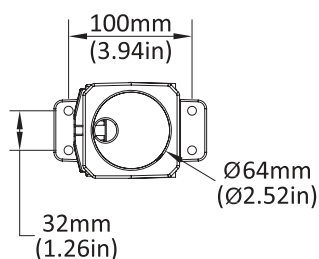
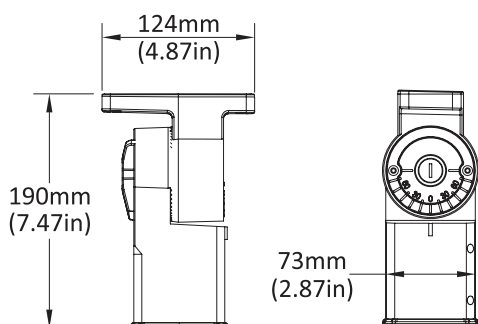
**This LED area light is designed to slip-fit round pole square Pole and Trunnion (Bracket) Mount, the versatile mounting configurations offer simple installation.**

- 5 years warranty is standard on SBAL.
- Long operation life time, above 50,000hours. Low maintenance costs.

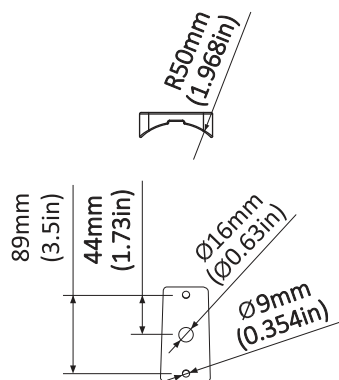
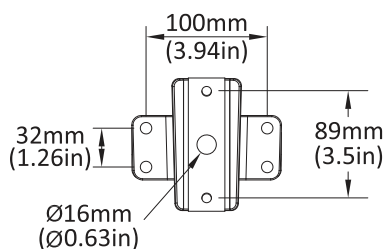
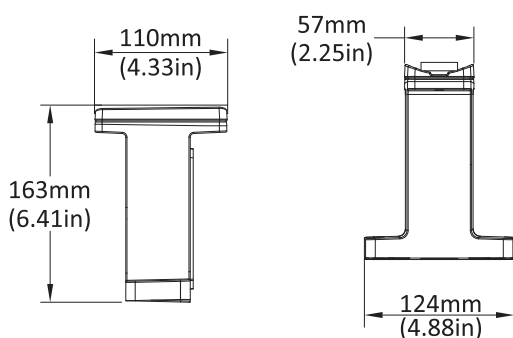
# SBAL Series

## MOUNTING & ACCESSORIES:

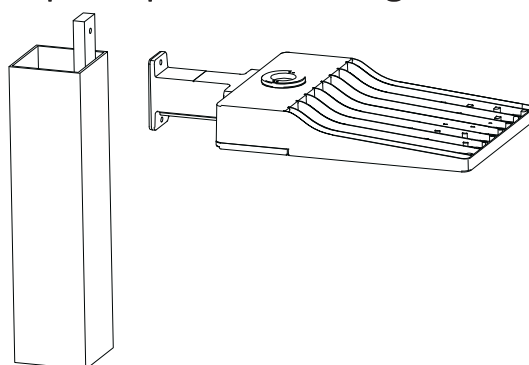
### TYPE-A Knuckle Mount



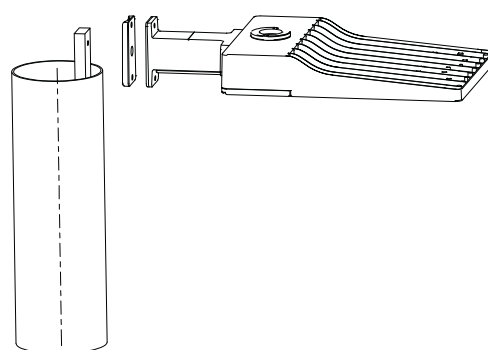
### TYPE-B Universal Arm Mount



### Square pole mounting



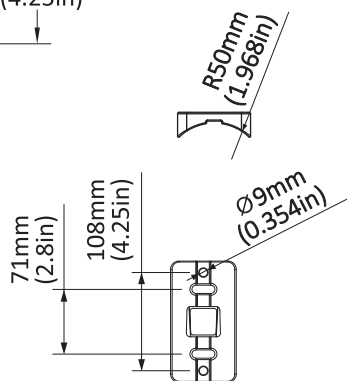
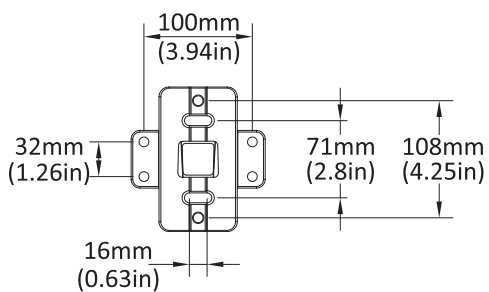
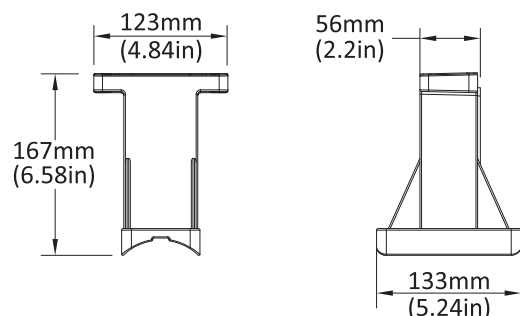
### Round pole mounting



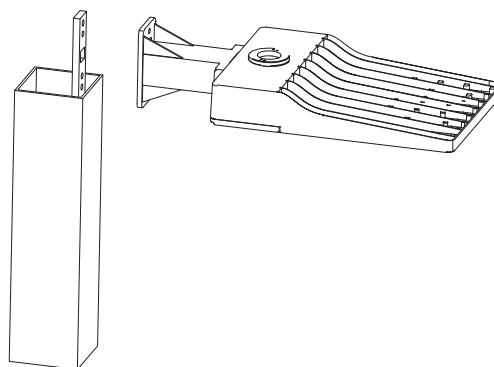


# SBAL Series

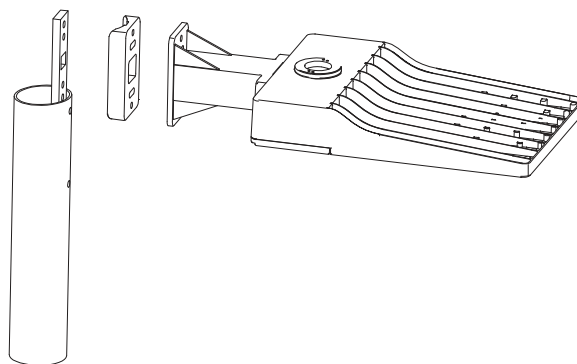
## TYPE E Universal Arm Mount



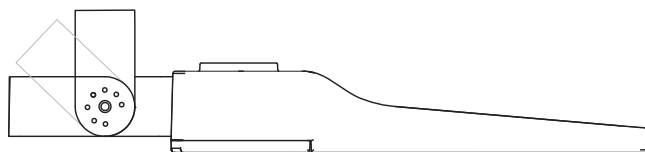
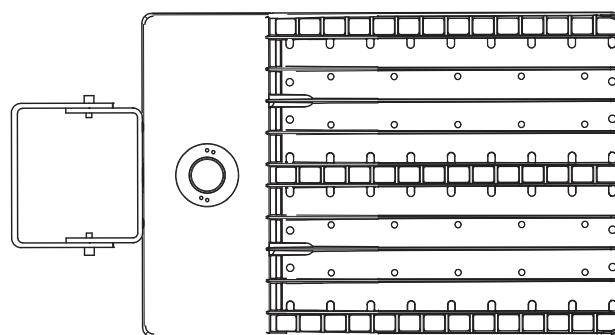
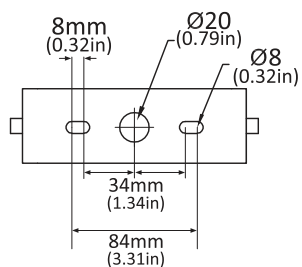
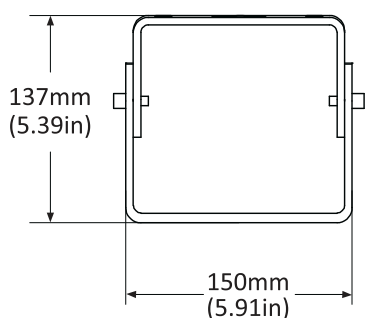
### Square pole mounting



### Round pole mounting

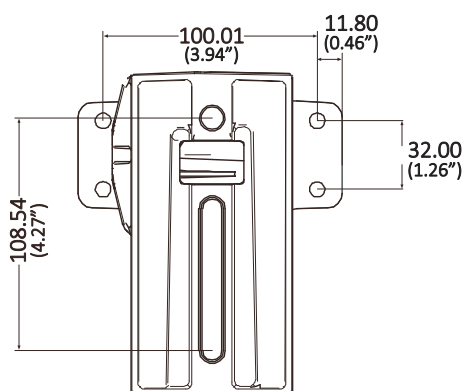
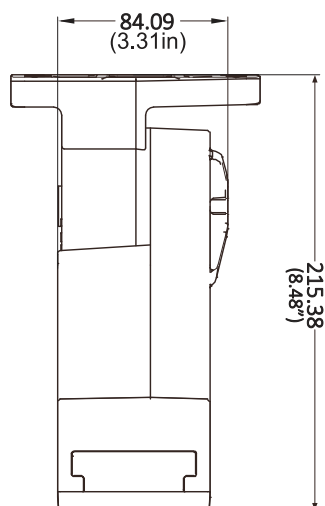


## TYPE-F Wall Mount

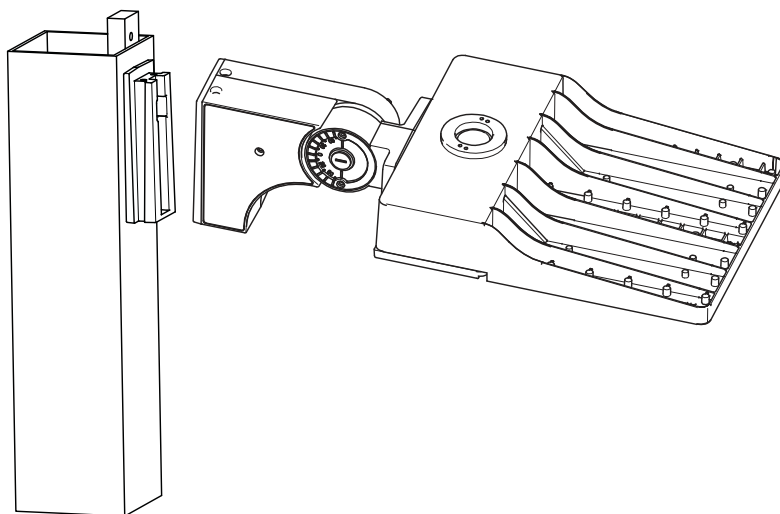


# SBAL Series

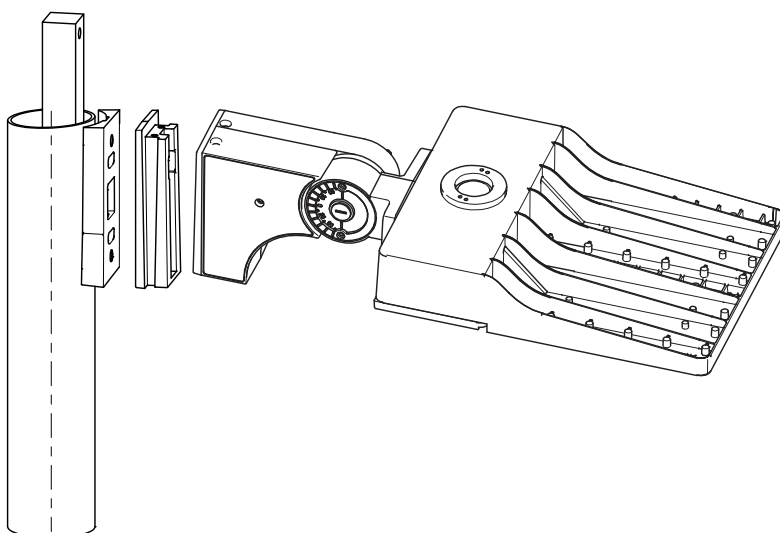
## TYPE BC Universal Arm Mount



### Square pole mounting



### Round pole mounting



# SBAL Series

## PACKAGING

| Model No. | Qty<br>(pcs) | L*W*H<br>(CM)    | NW. (kgs) | G.W. (kgs) | Meas. (CBM) |
|-----------|--------------|------------------|-----------|------------|-------------|
|           |              |                  | Per CTN   | Per CTN    | Per CTN     |
| SBAL060   | 1            | 48.5*32*15.5CM   | 3.7       | 4.2        | 0.02        |
| SBAL150   | 1            | 48.5*32*15.5CM   | 4         | 4.5        | 0.02        |
| SBAL200   | 1            | 56.5*28.5*10.2CM | 5         | 5.7        | 0.02        |
| SBAL250   | 1            | 65.5*38*15.5CM   | 6.6       | 7.4        | 0.04        |
| SBAL320   | 1            | 65.5*38*15.5CM   | 7         | 7.8        | 0.04        |