

# DAB SERIES Outdoor Lighting

DAB-SOL-B23-50W-MCT

SOLAR DESIGNER AREA BELL LIGHT SYSTEM

**MCT** Multi Color Temperature (Selectable)



The Solar Designer Area Bell Light System is an innovative solar-powered lighting solution designed for outdoor areas. It combines energy-efficient LED lighting with solar panels for sustainable, off-grid illumination. Featuring a stylish design, it includes an integrated bell system for alerts or ambiance. Ideal for parks, walkways, and public spaces, this system enhances safety and aesthetics while reducing energy costs.

# WESTGATE

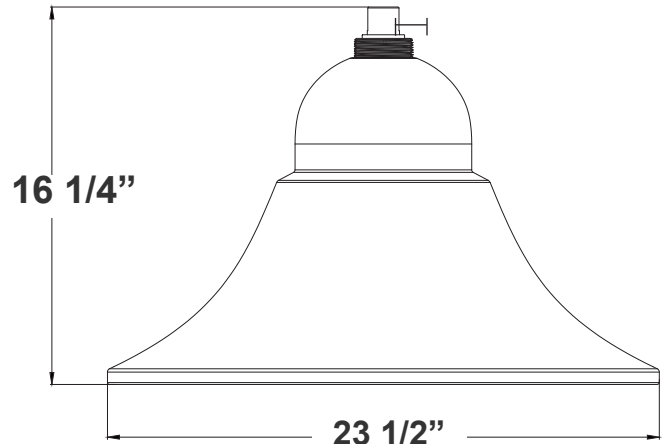
THE FUTURE IS HERE...AND IT'S QUITE BRIGHT!

Customer Name: \_\_\_\_\_

Project Name: \_\_\_\_\_

Note: \_\_\_\_\_

Type: \_\_\_\_\_



23 1/2"(W) x 16 1/4"(H)

## Features

- AL1060 Aluminum Hosing, Outdoor Powder Coating
- 7-Year Warranty
- Multi CCT and Power: Selectable Switch Inside Of The Fixture

## Technical Specifications

### Electrical:

- Wattage: 50W
- Power Factor: 0.9
- THD<20%
- Efficacy: 160LM/W

### Mechanical:

- AL1060 Aluminum Hosing, Outdoor Powder Coating
- EPA rating is 1.92 square feet.
- Aluminum LED board: High Conductive, Waterproof, Aging Resistance, Salt eRsistance
- Programmable Bi-Level Motion Sensor & Emergency Backup Options
- Operating Temperature: -40°F~104°F
- IP Rating: IP66, Suitable for Wet Locations
- 7-Year Warranty

### Battery:

- Battery Charge Time To Full Level: 6 to 12 Hours Depending On The Sunlight Quality, See The Map On Page 3
- Battery Type: LiFePO4
- Battery Life: More Than 2000 Cycles (2000/365days=5.47 Years) With Overcharge and Over-Discharge Protection
- Operation On Full Charge: 10 hrs. Depending On The Sunlight Quality, See The Map On Page 3

### Lighting:

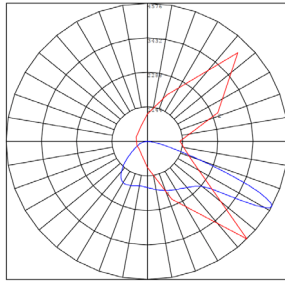
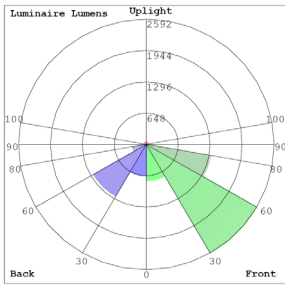
- MCT: Multi Color Temperature (Selectable)
- Lens: High Light Transmittance PC, anti-UV and Fire Resistant
- LED: Lumileds 2835
- Total Lumens: 8000LM Max.
- Color Temperature: 3000K/4000K/5000K
- Color Rendering index: >70
- Beam Angle: Type V (150° X 150°)
- Lifespan: 70000 Hrs.

### Applications:

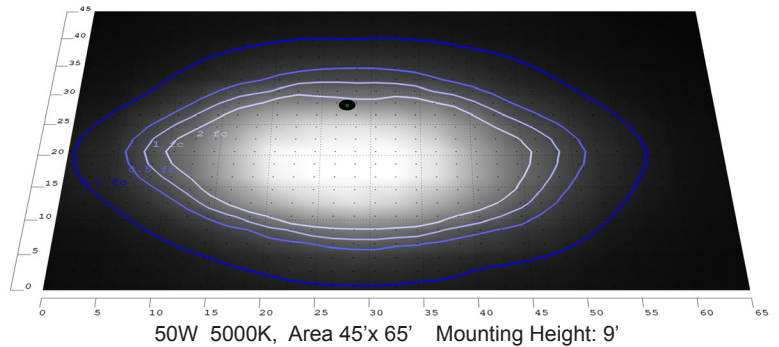
- Ideal For Garden, Amusement Park, Residential Quater , Industrial Park And Pedestrian street.



## Photometrics: DAB-SOL-B23-50W-MCT



BUD Rating: B3-U0-G2



## Performance Table: DDAB-SOL-B23-50W-MCT

| MODEL NO.           | Wattage | Voltage  | Lumens | Color Temp.             | BUG Rating | LPW |
|---------------------|---------|----------|--------|-------------------------|------------|-----|
| DAB-SOL-B23-50W-MCT | 50W     | 120-277V | 8000LM | 3000K<br>4000K<br>5000K | B3-U0-G2   | 160 |

## Sample Ordering

| Model | Solar | Size | Watt | Color Temp. |
|-------|-------|------|------|-------------|
| DAB   | SOL   | B23  | 50W  | MCT         |

## Accessories:

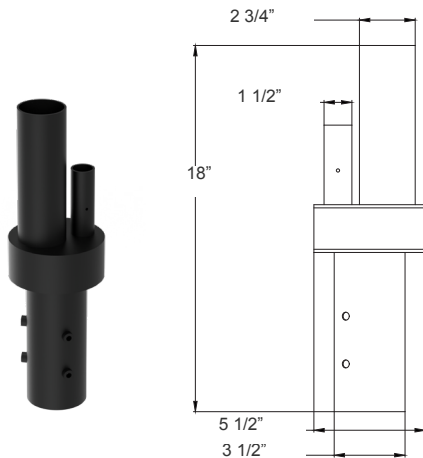
Blank = No Option  
DAB-BA = Dab Bell Arm For Mounting On Single Or Double Pole Adapter, Black  
DAB-SOL-MOD-50W = Solar Power Engine And Panel, 50W Maximum Fixture Power, With 32In Mast  
DAB-SOL-PA3-1 = 3 Inches Pole-Top Adapter For 1 Solar Bell-Light Arm + Solar Engine Mast  
DAB-SOL-PA4-1 = 4 Inches Pole-Top Adapter For 1 Solar Bell-Light Arm + Solar Engine Mast  
DAB-SOL-PA5-1 = 5 Inches Pole-Top Adapter For 1 Solar Bell-Light Arm + Solar Engine Mast  
DAB-SOL-PA3-2 = 3 Inches Pole-Top Adapter For 2 Solar Bell-Light Arms + Solar Engine Mast  
DAB-SOL-PA4-2 = 4 Inches Pole-Top Adapter For 2 Solar Bell-Light Arms + Solar Engine Mast  
DAB-SOL-PA5-2 = 5 Inches Pole-Top Adapter For 2 Solar Bell-Light Arms + Solar Engine Mast

## ACCESSORIES:



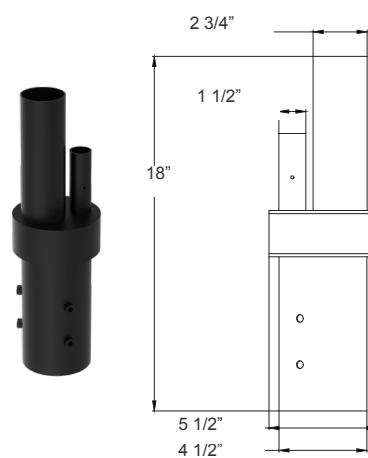
DAB-BA

## Pole Arm Mounts/Adaptor:



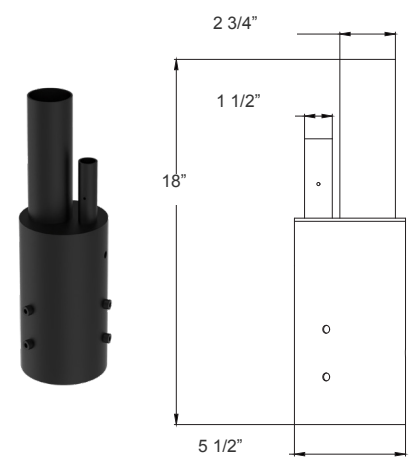
**DAB-SOL-PA3-1**  
3 1/2"(W) x 18"(H)

3 Inches Pole-Top Adapter For 1 Solar Bell-Light Arms



**DAB-SOL-PA4-1**  
4 1/2"(W) x 18"(H)

4 Inches Pole-Top Adapter For 1 Solar Bell-Light Arms

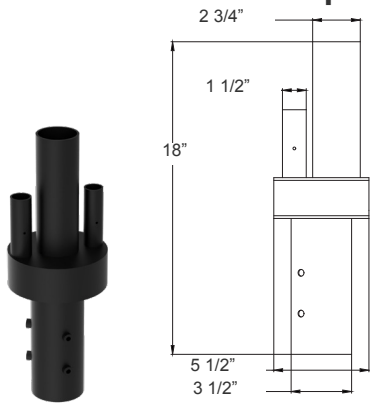


**DAB-SOL-PA5-1**  
5 1/2"(W) x 18"(H)

5 Inches Pole-Top Adapter For 1 Solar Bell-Light Arms

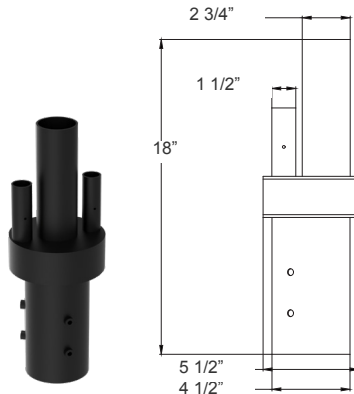


## Pole Arm Mounts/Adaptor:



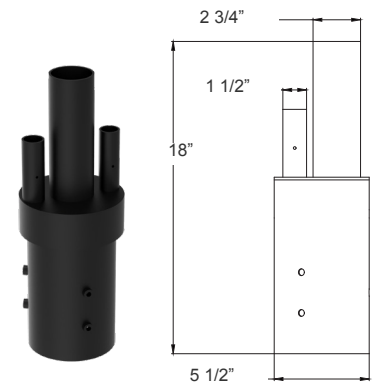
**DAB-SOL-PA3-2**  
3 1/2"(W) x 18"(H)

3 Inches Pole-Top Adapter For 2 Solar Bell-Light Arms



**DAB-SOL-PA4-2**  
4 1/2"(W) x 18"(H)

4 Inches Pole-Top Adapter For 2 Solar Bell-Light Arms



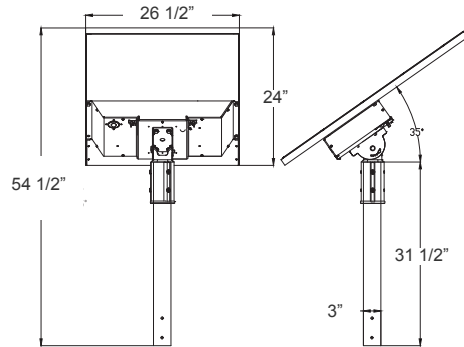
**DAB-SOL-PA5-2**  
5 1/2"(W) x 18"(H)

5 Inches Pole-Top Adapter For 2 Solar Bell-Light Arms

## ACCESSORIES:



**DAB-SOL-MOD-50W**  
16 1/2"(W) x 12"(H)



**DAB-SOL-B23-50W-MCT**

**DAB-SOL-B23:** 23" Bell Light System  
**DAB-SOL-MOD-50W:** Solar Power Engine And Panel, 50W Maximum Fixture Power, With 32In Mast  
**DAB-SOL-PA3-2:** 3 Inches Pole-Top Adapter For 2 Solar Bell-Light Arms + Solar Engine Mast  
**DAB-BA:** Dab Bell Arm For Mounting On Single Or Double Pole Adapter, Black

\*Pole Not Incl.



**DAB-SOL-B23-50W-MCT**

**DAB-SOL-B23:** 23" Bell Light System  
**DAB-SOL-MOD-50W:** Solar Power Engine And Panel, 50W Maximum Fixture Power, With 32In Mast  
**DAB-SOL-PA4-2:** 4 Inches Pole-Top Adapter For 2 Solar Bell-Light Arms + Solar Engine Mast  
**DAB-BA:** Dab Bell Arm For Mounting On Single Or Double Pole Adapter, Black

\*Pole Not Incl.



**DAB-SOL-B23-50W-MCT**

**DAB-SOL-B23:** 23" Bell Light System  
**DAB-SOL-MOD-50W:** Solar Power Engine And Panel, 50W Maximum Fixture Power, With 32In Mast  
**DAB-SOL-PA5-2:** 5 Inches Pole-Top Adapter For 2 Solar Bell-Light Arms + Solar Engine Mast  
**DAB-BA:** Dab Bell Arm For Mounting On Single Or Double Pole Adapter, Black

\*Pole Not Incl.



**DAB-SOL-B23-50W-MCT**

**DAB-SOL-B23:** 23" Bell Light System  
**DAB-SOL-MOD-50W:** Solar Power Engine And Panel, 50W Maximum Fixture Power, With 32In Mast  
**DAB-SOL-PA3-1:** 3 Inches Pole-Top Adapter For 1 Solar Bell-Light Arms + Solar Engine Mast  
**DAB-BA:** Dab Bell Arm For Mounting On Single Or Double Pole Adapter, Black

\*Pole Not Incl.



**DAB-SOL-B23-50W-MCT**

**DAB-SOL-B23:** 23" Bell Light System  
**DAB-SOL-MOD-50W:** Solar Power Engine And Panel, 50W Maximum Fixture Power, With 32In Mast  
**DAB-SOL-PA4-1:** 4 Inches Pole-Top Adapter For 1 Solar Bell-Light Arms + Solar Engine Mast  
**DAB-BA:** Dab Bell Arm For Mounting On Single Or Double Pole Adapter, Black

\*Pole Not Incl.



**DAB-SOL-B23-50W-MCT**

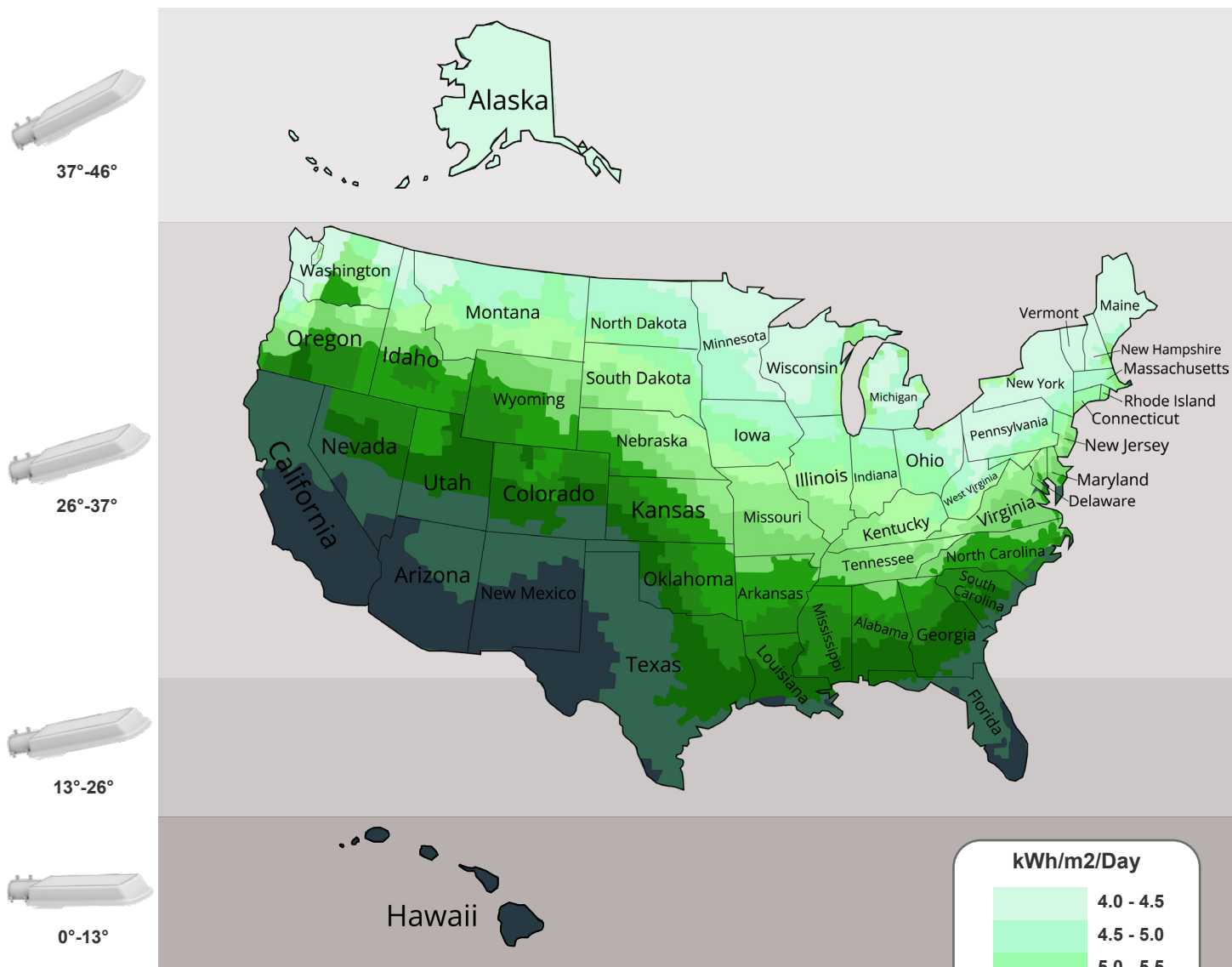
**DAB-SOL-B23:** 23" Bell Light System  
**DAB-SOL-MOD-50W:** Solar Power Engine And Panel, 50W Maximum Fixture Power, With 32In Mast  
**DAB-SOL-PA5-1:** 5 Inches Pole-Top Adapter For 1 Solar Bell-Light Arms + Solar Engine Mast  
**DAB-BA:** Dab Bell Arm For Mounting On Single Or Double Pole Adapter, Black

\*Pole Not Incl.



## Average Daily Solar Radiation Per Month:

Increasing the tilt 15° in the winter or decreasing 15° in the summer gives the maximum sunlight for recharging the battery.

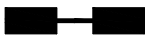


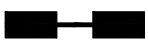
- The best facing direction for the solar panel is toward the south. facing west & east & north will provide less sunlight, resulting in a long time to charge the battery. The solar charge will be less optimal if the installation is facing north.

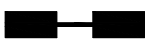


## EPA Rating:

EPA of DAB Series

| The height of the pole<br>DAB-A16-50-100W- MCTP-SR                                | 10'  | 12'  | 14'  | 16'  | 18'  | 20'  |
|-----------------------------------------------------------------------------------|------|------|------|------|------|------|
|  | 4    | 4.47 | 4.94 | 5.41 | 5.88 | 6.35 |
|  | 3.49 | 3.96 | 4.43 | 4.9  | 5.37 | 5.84 |
|  | 5.6  | 6.07 | 6.54 | 7.01 | 7.48 | 7.95 |

| The height of the pole<br>DAB-B20-50-100W- MCTP-SR                                  | 10'  | 12'  | 14'  | 16'  | 18'  | 20'  |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|
|  | 4.13 | 4.6  | 5.07 | 5.54 | 6.01 | 6.48 |
|  | 3.56 | 4.03 | 5.5  | 5.97 | 6.44 | 6.91 |
|  | 5.86 | 6.33 | 6.8  | 7.27 | 7.74 | 8.21 |

| The height of the pole<br>DAB-B23-80-150W- MCTP-SR                                  | 10'  | 12'  | 14'  | 16'  | 18'  | 20'  |
|-------------------------------------------------------------------------------------|------|------|------|------|------|------|
|  | 4.54 | 5.01 | 5.48 | 5.95 | 6.42 | 6.89 |
|  | 3.91 | 4.38 | 4.85 | 5.32 | 5.79 | 6.26 |
|  | 6.74 | 7.21 | 7.68 | 8.15 | 8.62 | 9.09 |



## COLOR CHART: \* Choose from one of our Premium Colors with no set-up fee.

### Gloss:



SILVER METALLIC  
70 GLOSS  
T357-GR105



SILVER METALLIC  
30 GLOSS  
T353-GR06



DARK RED 90  
GLOSS  
P009-RD02



INTERNATIONAL  
ORANGE 90  
GLOSS  
T009-OG26



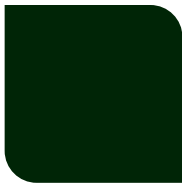
SAFETY ORANGE  
90 GLOSS  
T009-OG01



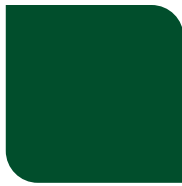
YELLOW 90  
GLOSS  
T009-YL14



YELLOW 90  
GLOSS  
T009-YL01



TRAFFIC GREEN  
70 GLOSS  
T007-GN16



GREEN 70 GLOSS  
T007-GN13



GREEN 60 GLOSS  
C006-GN03



BLUE 90 GLOSS  
T009-BL01



DARK BLUE 80  
GLOSS  
T008-BL20



RAL 8028 TERRA  
BROWN 90 GLOSS  
C209-BR358

### Hammer:



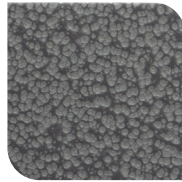
WHITE HAMMER  
T013-WH09



BEIGE HAMMER  
T013-BG38



GREY HAMMER  
C013-GR08



SILVER  
HAMMERTONE  
T064-GR05



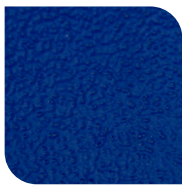
BLACK HAMMER  
T013-BK62



RED HAMMER  
T013-RD15



GREEN HAMMER  
T013-GN20



BLUE HAMMER  
T013-BL468



BRONZE HAMMER  
T012-BR161

### Texture:



WHITE TEXTURE  
C031-WH120



FLINT GRAY  
TEXTURE  
T243-GR522



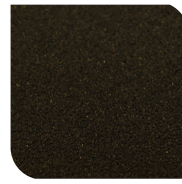
BLACK TEXTURE  
C241-BK109



RED TEXTURE  
T241-RD129



BLUE TEXTURE  
C241-BL544

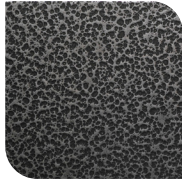


OIL RUBBED  
BRONZE TEXTURE  
T291-BR251

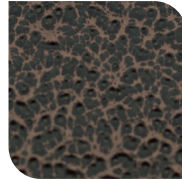
### Vein:



BLACK/WHITE  
VEIN  
T075-WH34



SILVER VEIN  
T375-BK26



COPPER VEIN  
EXTERIOR  
T075-BK211



GOLD VEIN  
T375-BK10



COPPER VEIN  
T375-BK07

