



Model 2052 Series



Dual Optical Options: 360° Full Wide / 180° Side Wide Light Distribution
Extended Long-Distance Illumination Range
Shadow-Free Ground Lighting Effect

Product Code. 2052



Colours

- Black-RAL 9005
- Bronze-RAL 8019

IP/IK



Anchor Bolt

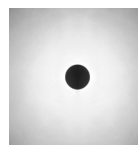
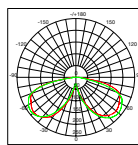


Require assembly
(Included)

Basic Description

Product code	2052
Product Material	Die-casting Aluminum housing, Extruded Aluminum pole; PC Optical Lens
LED brand & spec	Ledestar Dual-color SMD 5050 LED Chip
LED Qty.(pcs)	12 pcs
Input Voltages(V)	100-277 Vac
Frequency(Hz)	50/60 Hz
IP/IK	IP66/IK10
Total Power(W)	10W/18W/25W (Wattage Selectable)

Photometrics



360° Full Wide Light Distribution

Beam Angles	176°
CRI (Ra)	70
Power Factor	>0.9
Dimmable	3-in-1 dimming (0-10V/PWM/Resistance dimming)
Color Temp. (K)	3000K/4000K/5000K (3CCT Selectable)

Power (W)	Color Temp. (K)	Efficiency (lm/w)	Lumens output (lm)
10w	3000K	98lm/w	915lm
18w		106lm/w	1790lm
25w		102lm/w	2295lm
10w	4000K	104lm/w	960lm
18w		116lm/w	1920lm
25w		114lm/w	2485lm
10w	5000K	104lm/w	975lm
18w		100lm/w	1685lm
25w		109lm/w	2450lm

Lamp Life

Life time (Hrs)	40000
Ambient Temperature	Outdoor use: -40~50°C
Warranty(year)	5years

Product Code. 2052H



Colours

- Black-RAL 9005
- Bronze-RAL 8019

IP/IK



Anchor Bolt

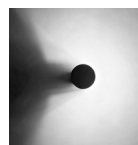
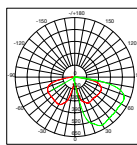


Require assembly
(Included)

Basic Description

Product code	2052H
Product Material	Die-casting Aluminum housing, Extruded Aluminum pole; PC Optical Lens
LED brand & spec	Ledestar Dual-color SMD 5050 LED Chip
LED Qty.(pcs)	6 pcs
Input Voltages(V)	100-277 Vac
Frequency(Hz)	50/60 Hz
IP/IK	IP66/IK10
Total Power(W)	12W/16W/20W (Wattage Selectable)

Photometrics



180° Side Wide Light Distribution

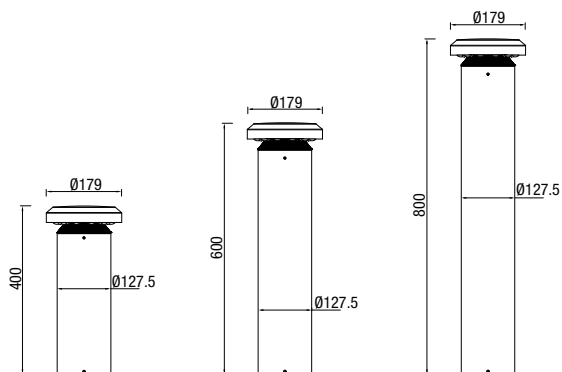
Beam Angles	158°
CRI (Ra)	70
Power Factor	>0.9
Dimmable	3-in-1 dimming (0-10V/PWM/Resistance dimming)
Color Temp. (K)	3000K/4000K/5000K (3CCT Selectable)

Power (W)	Color Temp. (K)	Efficiency (lm/w)	Lumens output (lm)
12w	3000K	86lm/w	1140lm
16w		83lm/w	1440lm
20w		81lm/w	1580lm
12w	4000K	95lm/w	1225lm
16w		93lm/w	1563lm
20w		91lm/w	1725lm
12w	5000K	90lm/w	1190lm
16w		86lm/w	1500lm
20w		85lm/w	1680lm

Lamp Life

Life time (Hrs)	40000
Ambient Temperature	Outdoor use: -40~50°C
Warranty(year)	5years

Product code	Housing Material	Housing Color	Housing Diameter (mm)	Product Dimension (mm)
2052	Die-cast aluminum	Black/Bronze	Ø127.5mm	Ø179x400mm
				Ø179x600mm
				Ø179x800mm



2052 Line Drawing



3 CCT & Wattage Selectable

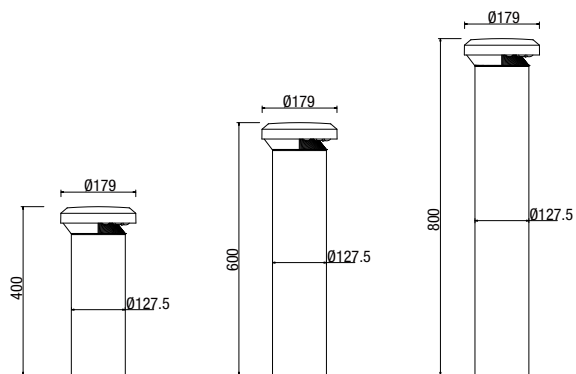
DIP Switch for Watt
3 Wattage Selectable

DIP Switch for CCT
3CCT Selectable: 3000K/4000K/5000K



360° Full Wide Light Distribution

Product code	Housing Material	Housing Color	Housing Diameter (mm)	Product Dimension (mm)
2052H	Die-cast aluminum	Black/Bronze	Ø127.5mm	Ø179x400mm
				Ø179x600mm
				Ø179x800mm



2052H Line Drawing



3 CCT & Wattage Selectable

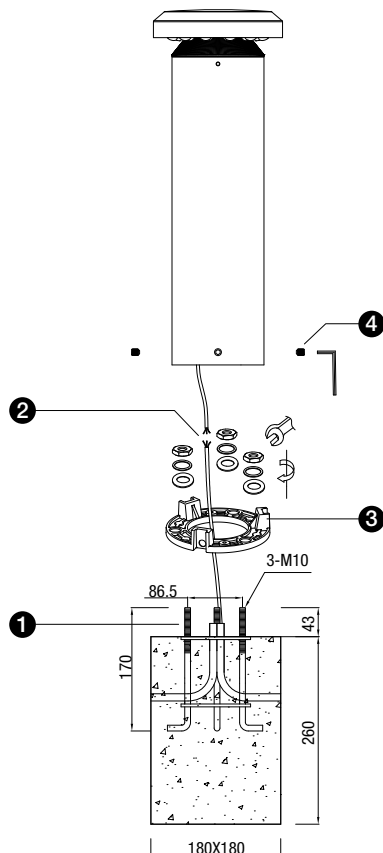
DIP Switch for Watt
3 Wattage Selectable

DIP Switch for CCT
3CCT Selectable: 3000K/4000K/5000K



180° Side Wide Light Distribution

Installation Instructions



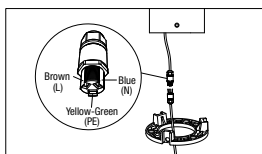
1-Pre-embedded Base Construction

- Assemble the embedded parts and locate the installation position in the concrete.
- Install three anchor bolts in the concrete, reserve space for flange locking, and reserve an electrical conduit in the center of the concrete.

2-Electrical wiring (European standard / American standard)

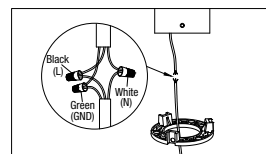
European standard

- Brown: Live wire (L)
- Blue: Neutral wire (N)
- Yellow-Green: Protective Earth (PE)



American standard

- Black: Live wire (L)
- White: Neutral wire (N)
- Green: Equipment Ground (GND)



3-Flange & Sealing Fitting Assembly

- Align the flange with the pre-embedded anchor bolts, pass through three bolts, and lay it flat to fit the ground.
- Place the flat washer, spring washer, and nut in sequence and tighten them.

4-Flange & Sealing Fitting Assembly

- Install the bollard main body back on and tighten the 3 screws.

Applications

Bollards are designed for gardens, walkways, entrance ways, drives and other small-area lighting applications where low mounting heights are desirable.

