BULLARD SOLAR
One with the Sun

ADJAR + COLLECTION

SOLAR STREET LIGHT COLUMN



BULLARD SOLAR
One with the Sun

CODE:
BS-ADJR-PLS-SLX

Designed to last
No matter the conditions

ADJAR+ COLLECTION

Sleek and efficient from every angle
ADJAR (+) redefines solar lighting with a sleek, modern design. Unlike traditional streetlights with bulky top pan els, its integrated solar panels remains discreet while ensuring maximum efficiency. Its innovative luminaire provides powerful illumination while optimizing energy capture and autonomy, even in low-light conditions. Available in single or double-headed versions, it can be adapted to both urban and street applications, with quick installation.



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FIXTURE TYPE: _____

PROJECT NAME: _____



LIGHTING

Efficiency	196 Lumens/Watts
Chips LED	PHILIPS Luxeon 30-30
LED lifetime	Over 100.000 Hrs - LM80
Optics/CCT	TI / TII / TIII / T-IV / T-V / T10 / T35 - 2300 to 6500K

BATTERY

Technology	Lithium Iron Phosphate LIFEPO4
Autonomy	Over 24 hours at full charge 4 Rainy Days back up
Charging time	6-7 Hours
Lifespan	Over 8000 CYCLES - 30% DOD / Over 10y lifetime
Working temp	-10°C to 70 °C (optional -40°C TO 70°C)

ENERGY

Cells type	Monocrystalline Panel Grade A 20 years
Certificates	IEC 61215 - IEC 61730 I and II - IEC 60904

ELECTRONIC

Controller	MPPT Controller, (Bullard Solar Bridge Optional)
Sensor	Microwave 360° Sensor
Cabling	Waterproof Connector, (Plug and Play)
Protection	Battery Management System (BMS)

OTHER OPTIONS

Materials	Aluminium and Stainless Steel
Wind speed	160 Km/h

CERTIFICATIONS

IEC / TUV / EMC / LM-79- 08 AND LM-80 TEST STANDARDS / IK10+ / IP65 / CE / ETL

5 YEARS

* Bullard Solar offers a 5 Year Limited Warranty
Luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers all components when installed and operated according to Bullard Solar instructions.
Fixture suitable for ambient temperature from -10° to 50°.
PV Panels - 20 year performance warranty
Controller & Batteries: 5 years

Bullard Solar retains the right to modify or change product specifications without prior notice, as part of our ongoing commitment to improvement

Park & Garden | Hiking Trails | Places | Car Park & Rest | Pathways | Campsites

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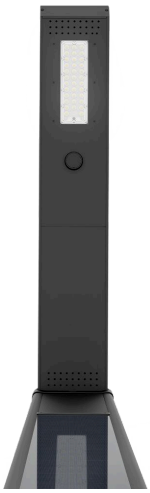
CODE:
BS-ADJR-PLS-SLX

FIXTURE TYPE: _____

PROJECT NAME: _____







HOW TO ORDER:	CODE:
Example: CODE: BS-ADJR-PLS-SLX-20-30K	BS-ADJR-PLS-SLX-20-30K

1 MODELS:

-20

DIMENSIONS:

Height - H: 106.30"(270 cm)
Width - W: 12.20"(31 cm)
Base - L: 14.57"(37 cm)

NOMINAL FLUX ..... 3920 Lumens
NOMINAL POWER ..... 20 Watts

Light Height ..... 2.7 m
Carton size ..... 108.27" × 12.99" × 11.02"
Weight ..... 49,60 lb/60,53 lb
Capacity 346Wh
Solar panel ..... 115 Watts / 18V / 33 Watts / 18V

-40

DIMENSIONS:

Height - H: 145.67" (379 cm)
Width - W: 12.20" (31 cm)
Base - L: 14.57" (37 cm)

NOMINAL FLUX ..... 7840 Lumens
NOMINAL POWER ..... 40 Watts

Light Height ..... 3.7 m
Carton size ..... 147.64" × 12.99" × 11.02"
Weight ..... 49,60 lb/60,53 lb
Capacity 730Wh
Solar panel ..... 195 Watts / 18V / 33 Watts / 18V

-60

DIMENSIONS:

Height - H: 236.22" (600 cm)
Width - W: 12.20" (31 cm)
Base - L: 14.57" (37 cm)

NOMINAL FLUX ..... 11760 Lumens
NOMINAL POWER ..... 60 Watts

Light Height ..... 6,1 m
Carton size ..... 240.16" × 12.99" × 11.02"
Weight ..... 49,60 lb/60,53 lb
Capacity 1062Wh
Solar panel ..... 330 Watts / 18V / 52 Watts / 18V

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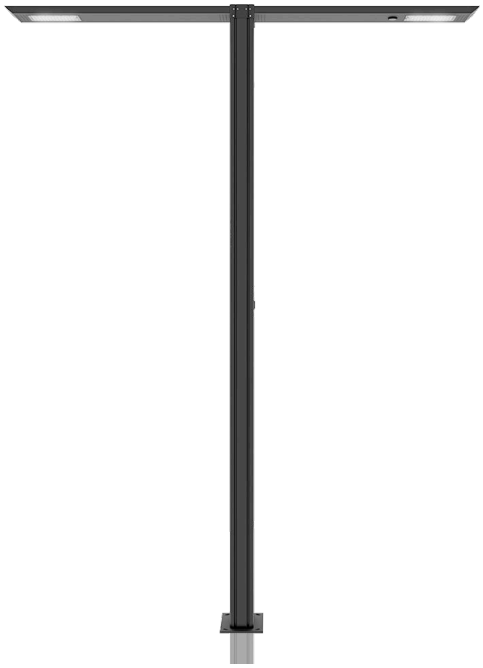
Updated 03/02/2026

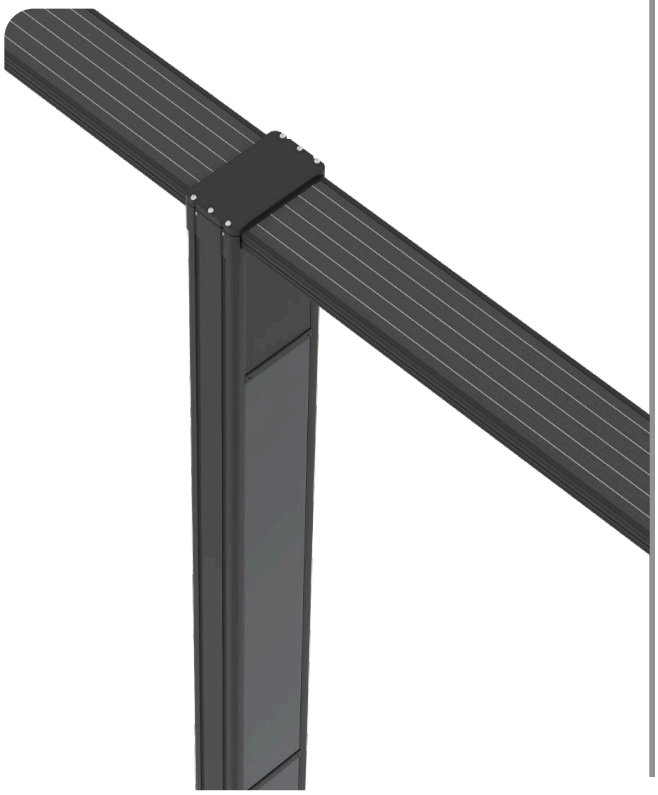
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CODE:
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FIXTURE TYPE: _____

PROJECT NAME: _____





HOW TO ORDER:	CODE:
Example: CODE: BS-ADJR-PLS-SLX-20-30K	BS-ADJR-PLS-SLX-20-30K

1 MODELS:

-D20

DIMENSIONS:

Height - H: 145,67" (370 cm)
Width - W: 12,20" (31 cm)
Base - L: 14.57" (37 cm)

NOMINAL FLUX ..... 2 x 3920 Lumens
NOMINAL POWER .....2 x 40 Watts

Light Height ..... 3,7 m
Carton size ..... 147.64" × 12.99" × 11.02"
Weight ..... 49,60 lb/60,53 lb
Capacity 730Wh
Solar panel ..... 195 Watts / 18V / 2 x 33 Watts / 18V

-D30

DIMENSIONS:

Height - H: 236.22" (600 cm)
Width - W: 12.20" (31 cm)
Base - L: 14.57" (37 cm)

NOMINAL FLUX ..... 2 x 5880 Lumens
NOMINAL POWER .....2 x 30 Watts

Light Height ..... 6,1 m
Carton size ..... 240.16" × 12.99" × 11.02"
Weight ..... 49,60 lb/60,53 lb
Capacity 1062Wh
Solar panel 330 Watts / 18V / 2 x 52 Watts / 18V

2 CCT:

-23K	2300K
-30K	3000K
-40K	4000K
-50K	5000K
-65K	6500K

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LUMINAIRES & LEDS

The innovative luminaire features an integrated solar panel, while its versatile optics offer adaptable lighting solutions. Constructed from extruded low-copper aluminum with IP66 protection, it guarantees durability. Its AKZO NOBEL Polyester Powder coating enhances resistance to salt, humidity, and UV exposure, ensuring long-lasting performance.

Fitted with PHILIPS LUXEON HE PLUS high-efficiency chips, this luminaire achieves an impressive 196 lumens per watt output.
Totem (+) also complies with strict ULR (Upward Light Ratio) standards, effectively minimizing light pollution while deliv ering optimal illumination performance.



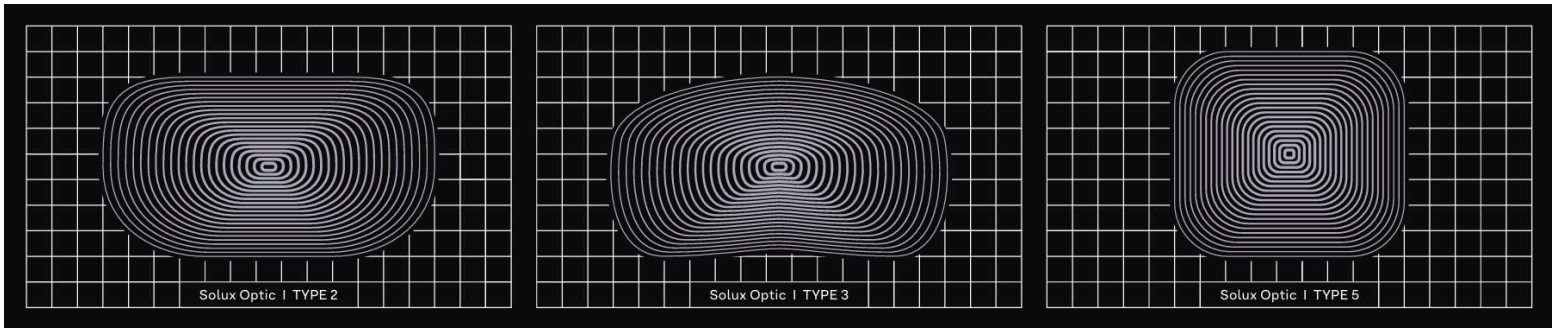
WATERPROOF & DUSTPROOF IP66 PROTECTED 365 DAYS A YEAR

LUXEON BY PHILIPS LUMILED

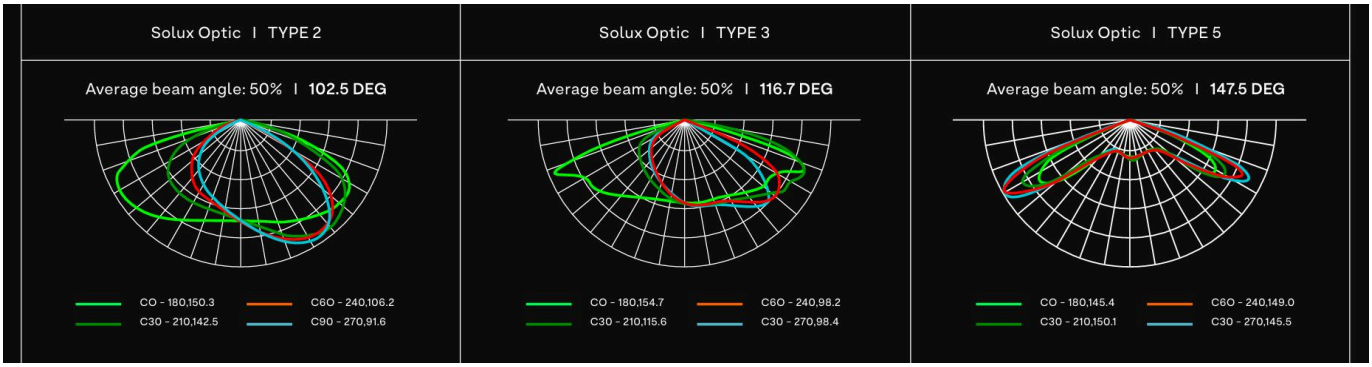
Led: 3030 I LedQ.(Pcs): 72 I Optics: 4 I CRI>70

DIFFERENTS OPTICS AVAILABLE

our different optics will allow you to optimize the lighting results of your projects. (please contact us for more optics)



LIGHT DISTRIBUTION CURVES



ETL LISTED C US

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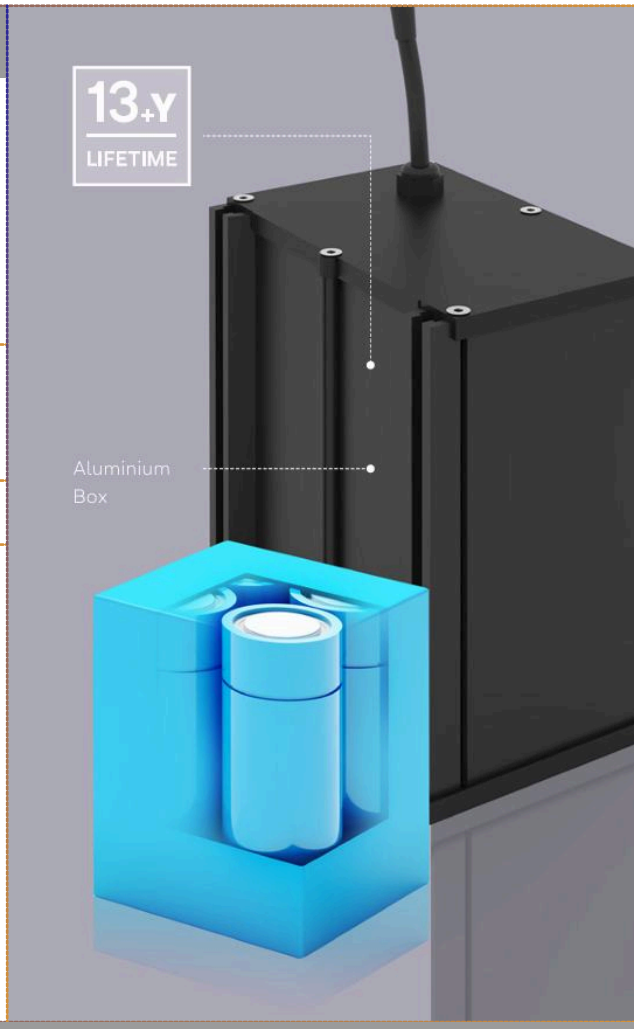
PROJECT NAME: _____

BATTERY LIFEPO4 Made to last

The ADJAR (+) series is equiped with Iron Phos phate Lithium LiFePo4 battery. This technology is proved to be the best chemical technology for solar application on the market.

With a cycle life of over 8000 Cycles @ 30% DOD, the battery enjoys lifespan of over 10 years.

Extreme conditions ready
-10° to 70° (optional - 40°)



BMS System by Bullard Solar

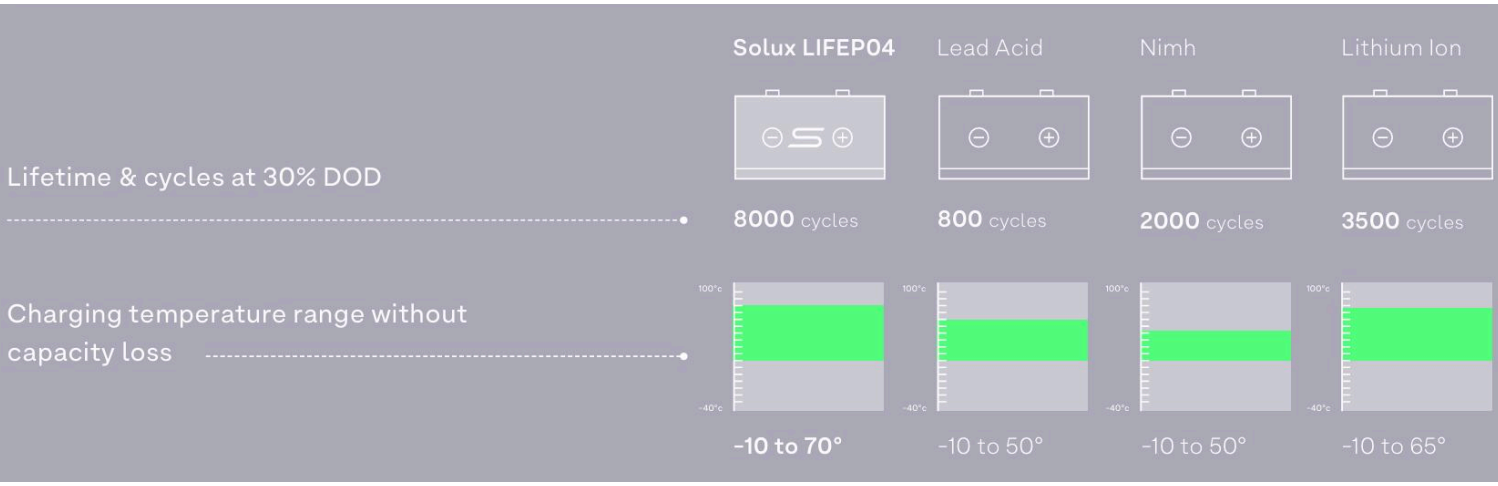
Electronic battery management system

Our batteries are equipped with electronic circuit boards for a higher protection

Over & Under current - Overload
Over & Under Voltage - Over & Under Charge
Temperature management

DIRECT BATTERY ACCESS I ANTI THEFT SCREW

COMPARISON OF DIFFERENT BATTERY TECHNOLOGIES



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MICROWAVE SENSOR

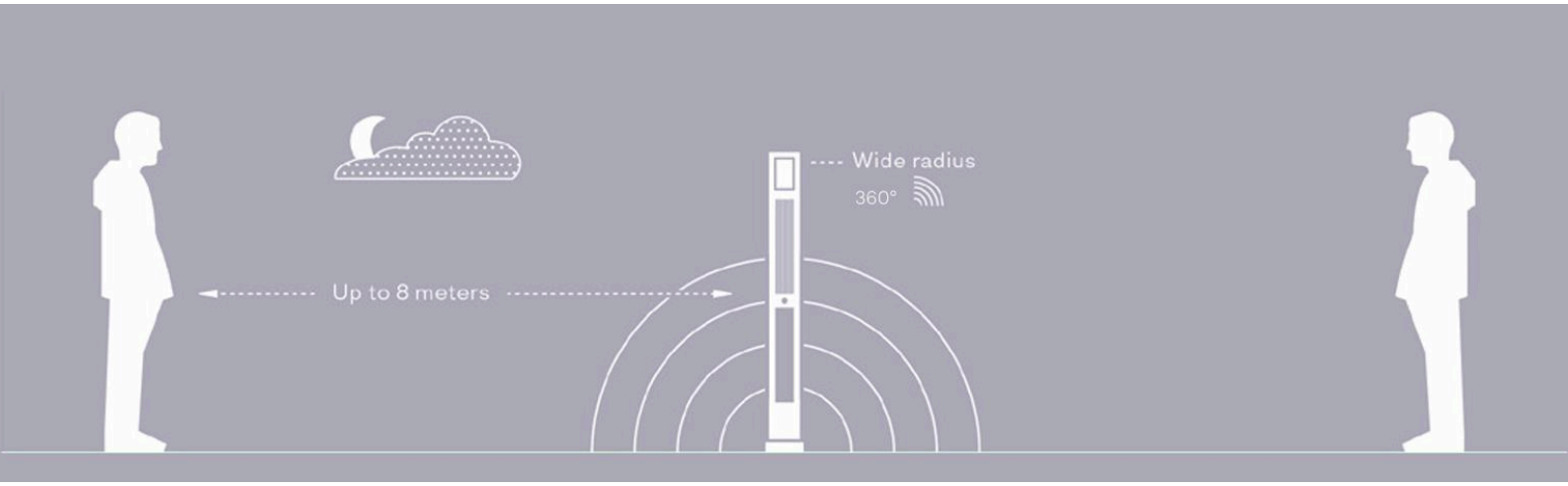
Light when you need

Motion sensor Microwave

The microwave detectors are directly integrated in the luminaires, which use the Doppler effect to detect and quantify the distance of adjacent ob jects, much like car radars do. In order to evaluate and reflect off of nearby objects, the sensor sends out a high frequency pulse.

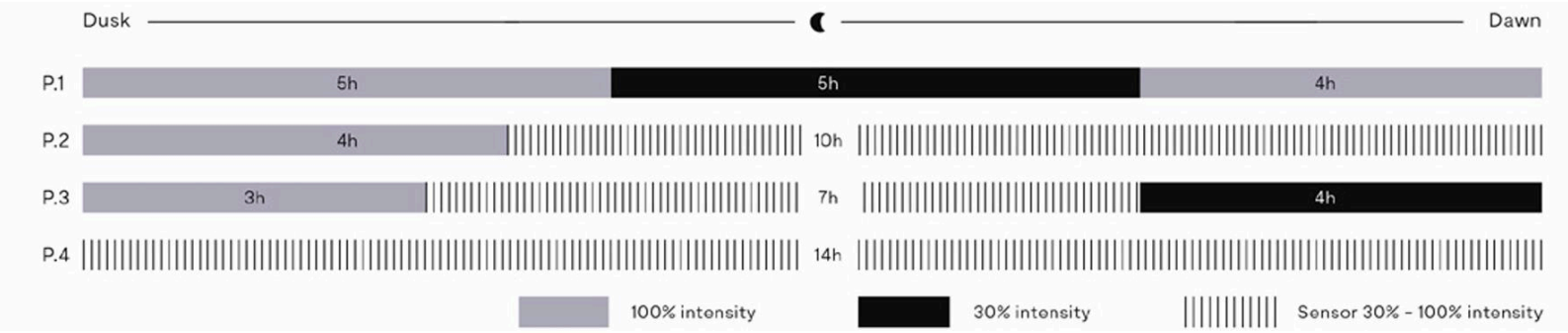
- Much better reliability compared to the Infrared detector
- Up to 360° Directivity
- Insensitivity to other environmental variations such as light, color, temperature, etc.

In addition to automatic switching on and off , you have the possibility of choosing among different modular operating modes according to the needs of the project



OPERATION MODE AND LIGHTING SCHEDULE

In addition to automatic switching on and off, you can choose from different modular operating modes to suit the specific needs of your project. So, whether your project demands part-night brightness, early evening lighting, or anything in between, our flexible lighting programs have you covered!



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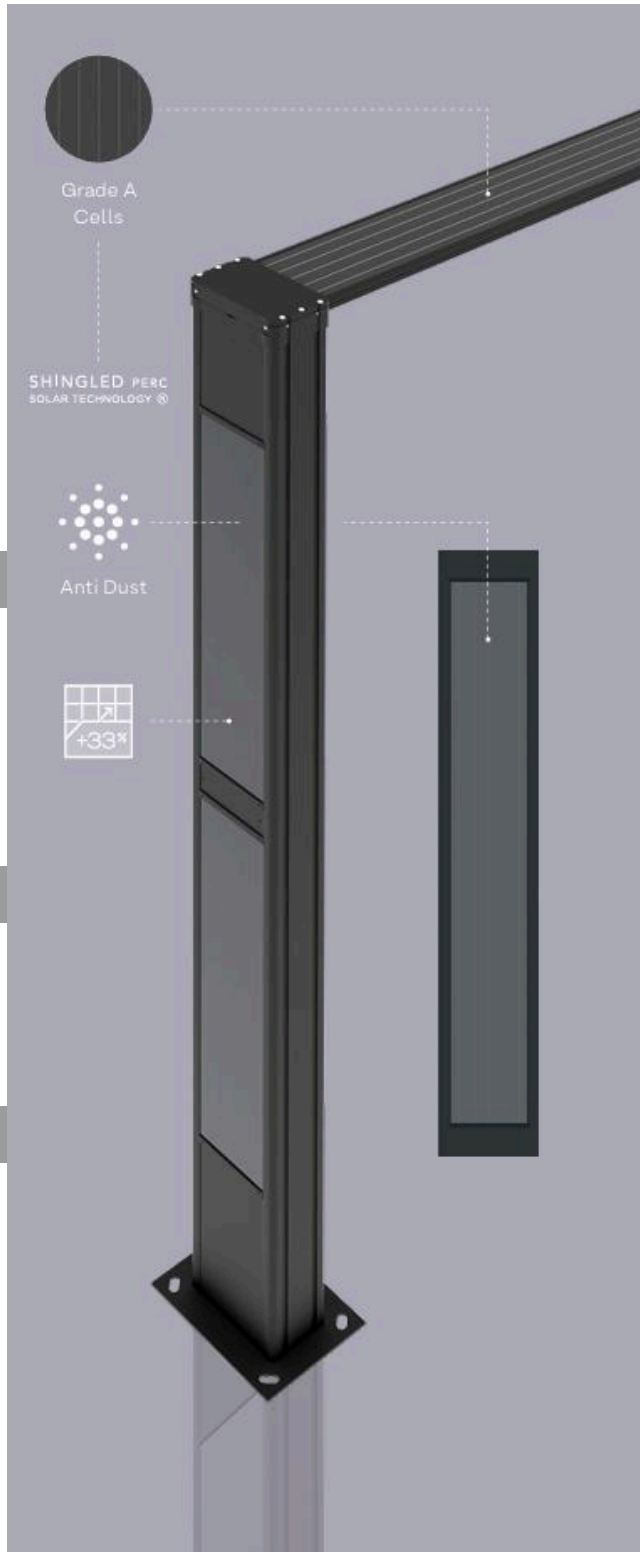
PROJECT NAME: _____

HORIZONTAL & VERTICAL SOLAR PANEL

Invisible Solar Panels

Total Solar Panel: 148W / 228W / 382W / 261W / 434W

For top-tier performance and a sleek design, Totem (+) features SHINGLED PERC photovol taic technology, with solar panels integrated into both its structure and luminaire. This cut ting-edge system ensures exceptional efficiency, even in low-light conditions, while maximizing power output. With seamless integration and no visible connections, TOTEM+ blends effortlessly into any environment, ensuring both functionality and aesthetic appeal.



POWER LOSS DUE TO SHADING

Conventional panel



Shingled Perc



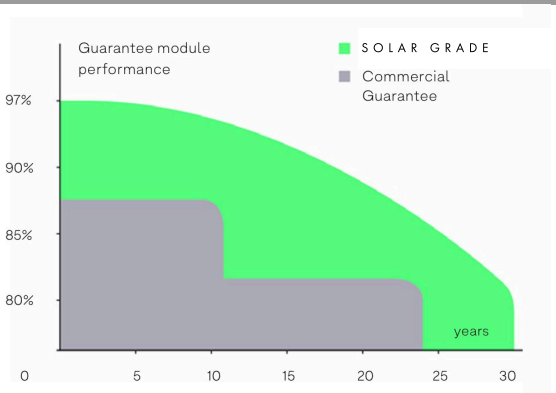
DISCRETION

With no visible connections or circuits, Totem (+) is fully integrated into its environment and most people will not notice the presence of solar panels.



Hybrid system

PV PERFORMANCE



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ELECTRONIC

Control & maintenance

Remote control



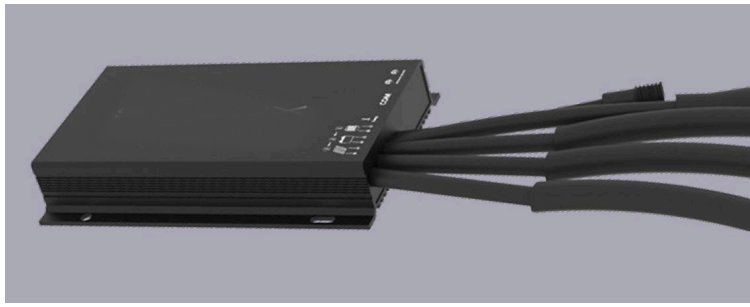
In order to facilitate all maintenance operations: Bullard Solar exclusivity)

Real time diagnosis

+

Diagnosis of issue State of charge Production history Temperature history

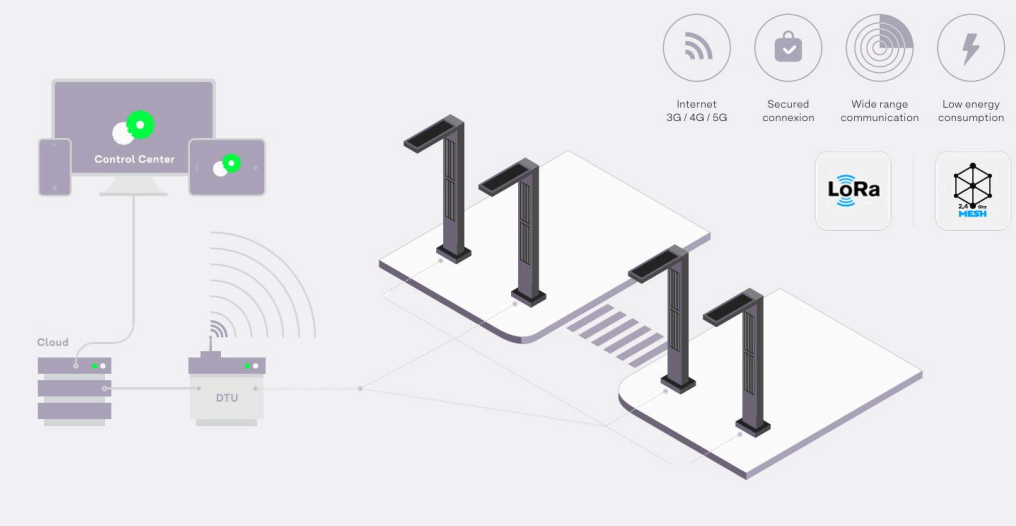
MPPT Controller



Waterproof connectors I
Performance & reliability
Up to 98% efficiency

BULLARD SOLAR BRIDGE REMOTE MONITORING (OPTIONAL)

As part of our continuous effort for development, Bullard Solar team is proud to have developed a special tool for remote monitoring of our solar street light. Bullard Solar Bridge uses low frequency technology LORA or 2,4 Mesh to monitor in real time a batch of solar street lights.



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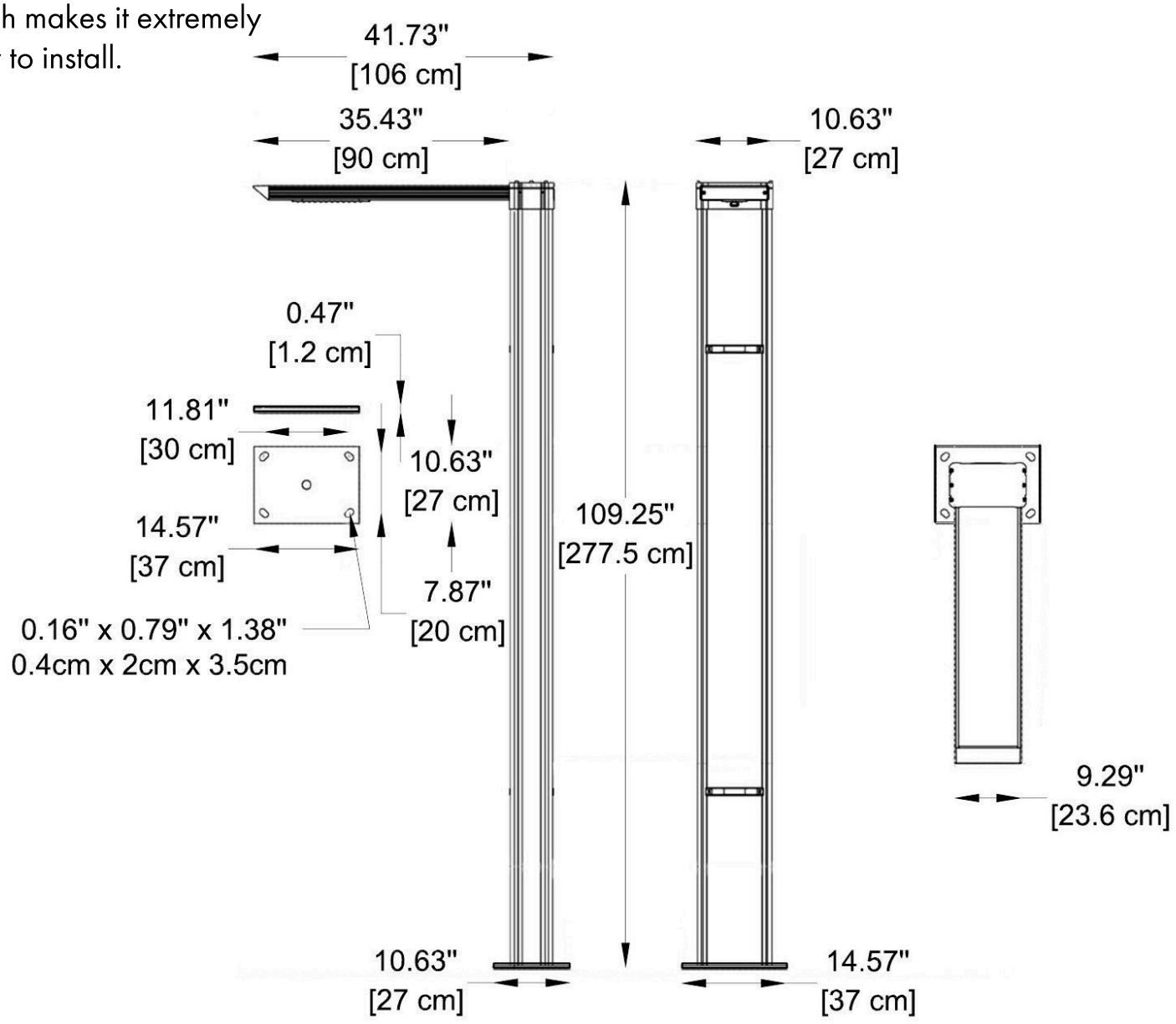
PROJECT NAME: _____

Technical drawing
Model I 20

Product Dimensions

Easy installation I No cabling - No tranching

ADJAR (+) is a pole itself, delivered in a single piece which makes it extremely easy to install.



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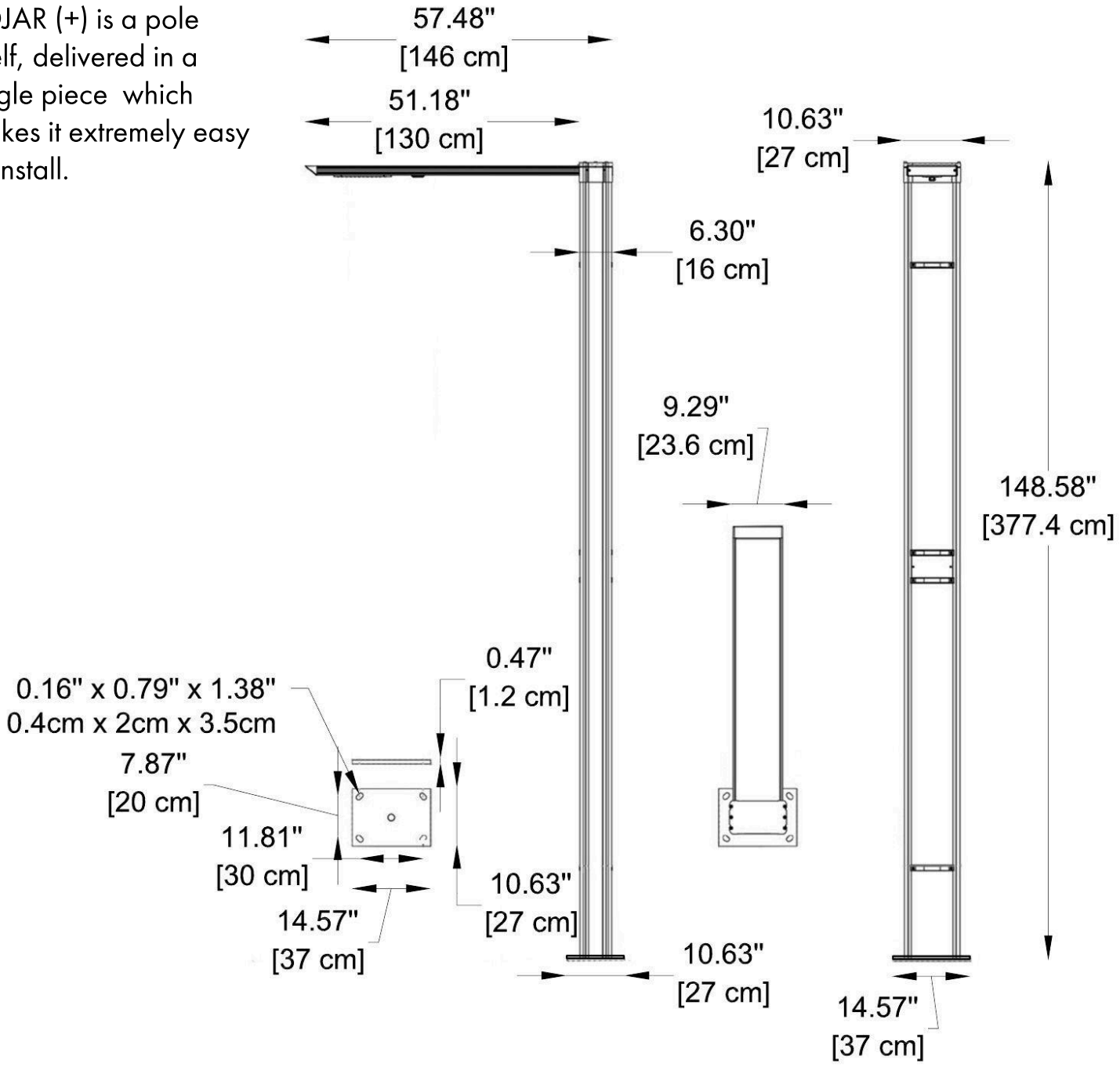
PROJECT NAME: _____

Technical drawing
Model I 40

Product Dimensions

Easy installation I No cabling - No tranching

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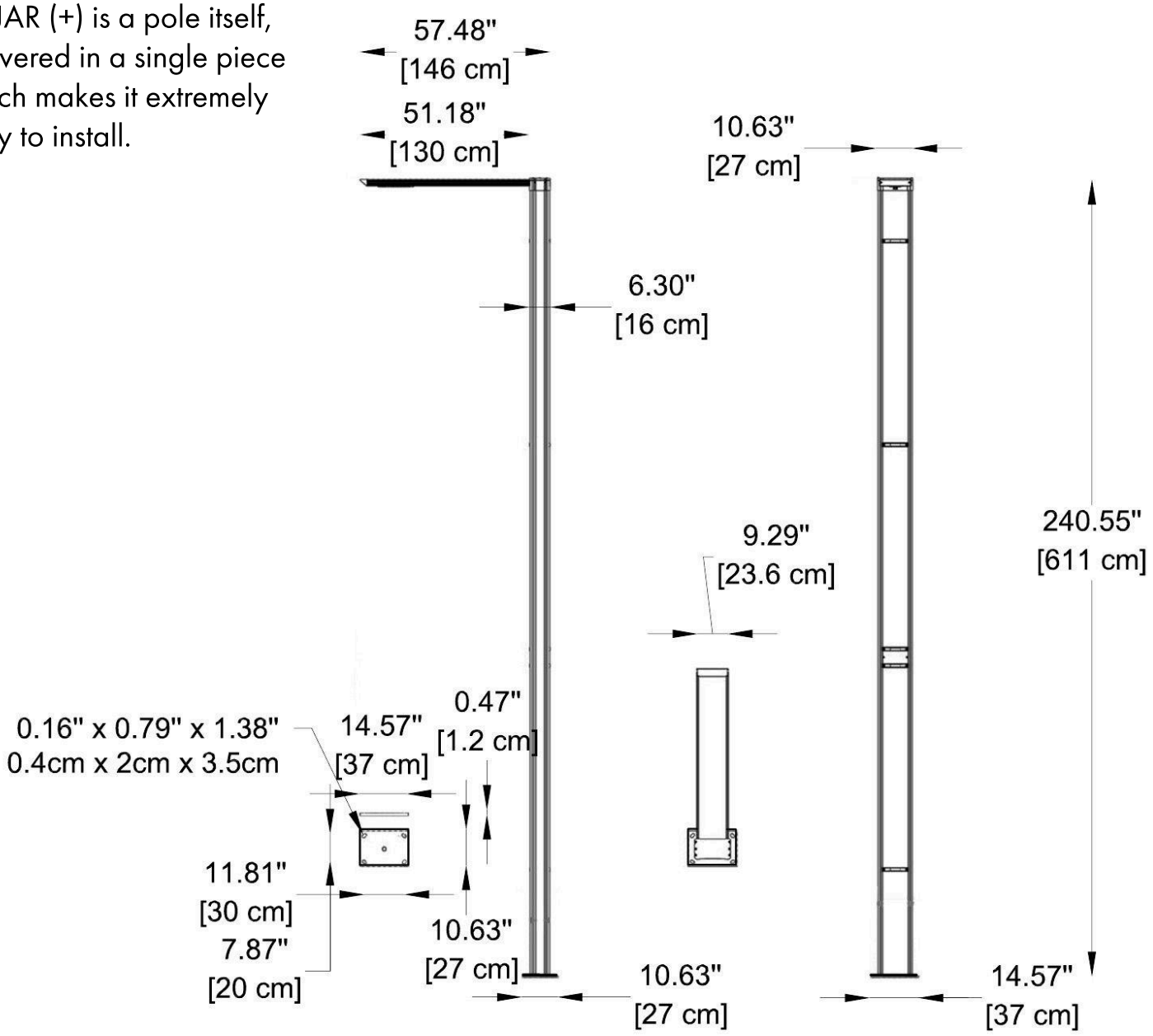
PROJECT NAME: _____

Technical drawing
Model I 60

Product Dimensions

Easy installation I No cabling - No tranching

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FIXTURE TYPE: _____

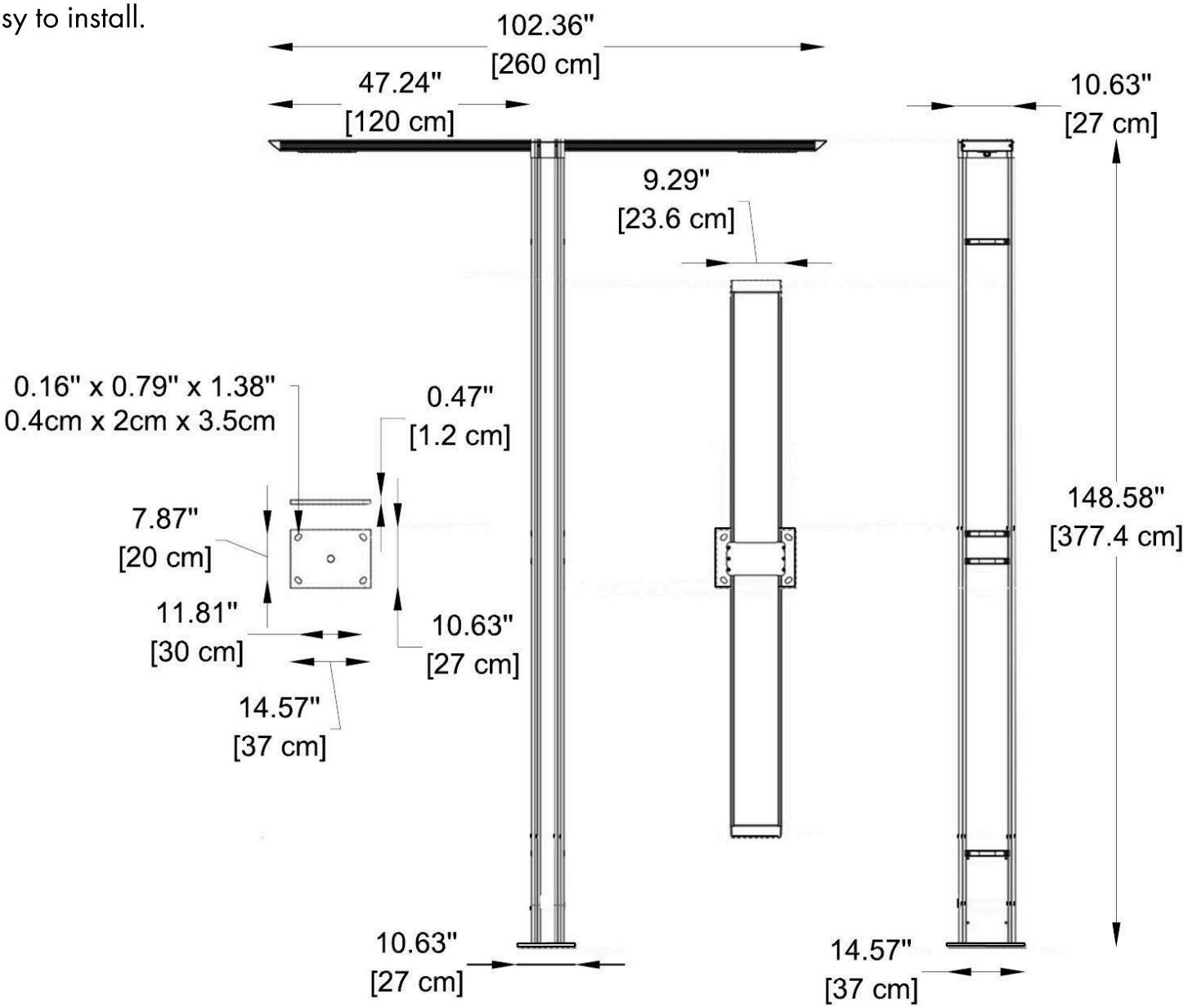
PROJECT NAME: _____

Technical drawing
Model I Dual 20

Product Dimensions

Easy installation I No cabling - No tranching

ADJAR (+) is a pole itself, delivered in a single piece which makes it extremely easy to install.



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FIXTURE TYPE: _____

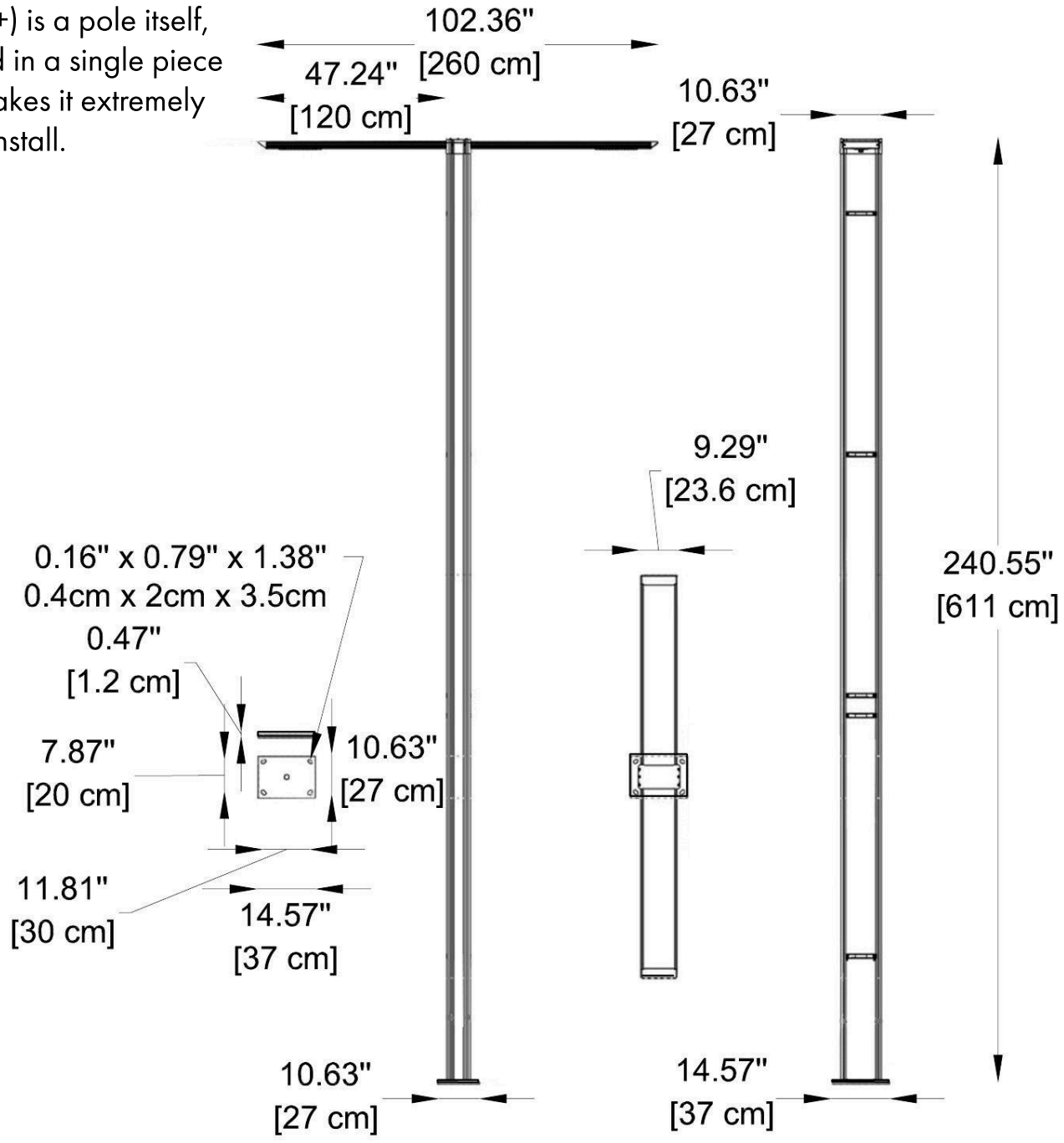
PROJECT NAME: _____

Technical drawing
Model I Dual 30

Product Dimensions

Easy installation I No cabling - No tranching

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