



**BULLARD
SOLAR**
One with the Sun

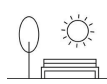
KORON
WALL SCONCE



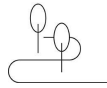
KORON

**Designed to last
No matter the conditions**

The KORON combines contemporary design with advanced solar technology, making it an ideal solution for pathways, parks, campuses, and landscaped outdoor environments. Built from durable aluminum and high-quality components, it is engineered to deliver reliable performance while withstanding demanding weather conditions. Equipped with an autonomous solar-powered system, it provides efficient illumination throughout the night without the need for grid connection or trenching. Its sleek architectural profile enhances outdoor spaces while offering a sustainable and maintenance-friendly lighting solution.



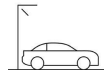
Park & Garden



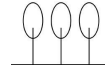
Hiking Trails



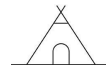
Places



Car Park & Rest



Pathways



Campsites



KORON COLLECTION

FIXTURE TYPE: _____

PROJECT NAME: _____

NOMINAL FLUX 420 LUMENS
NOMINAL POWER 3.5 WATTS

LIGHTING

Efficiency 120 Lumens/Watts
Chips LED PHILIPS Luxeon 30-30
LED lifetime Over 80 000 hours LM80
Optics/CCT Symmetric / 2300K to 6500K (Dual CCT optional)

BATTERY

Technology Lithium Iron Phosphate LIFEPO4
Capacity 28Wh
Autonomy Over 24 hours at full charge - 4 Rainy Days back up
Charging time 6 hours
Lifespan Over 3000 CYCLES @ 80% DOD over 10 years Lifetime
Working temp 14°F to 158°F (optional -40°F to 158°F) -10°C to 70°C
(optional -40°C TO 70°C)

ENERGY

Solar panel 6Wc
Cells type Monocrystalline Panel Grade A 20 years
Certificates IEC 61215 - IEC 61730 I and II - IEC 60904

ELECTRONIC

Sensor..... PIR 180° sensor (optional)

OTHER OPTIONS

Materials Die cast aluminum
Installation Concrete base or insert on support

CERTIFICATIONS

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



* 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



Due to the dynamic nature of lighting products and the associated technologies, luminaire data on all specification sheets is subject to change at the discretion of Gordon Bullard LLC and associated companies.

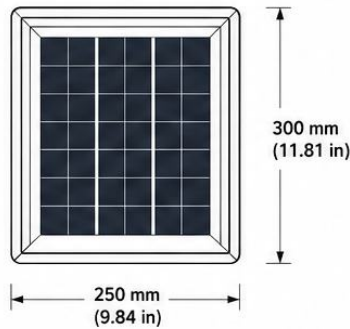
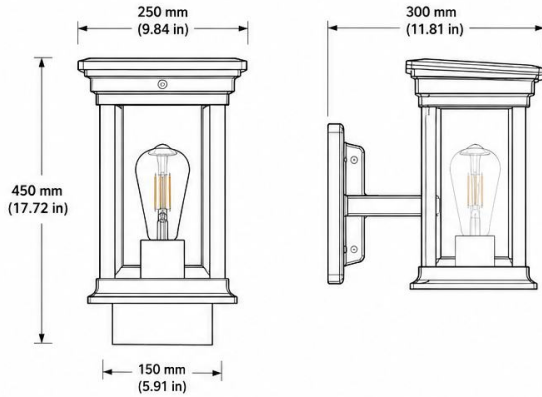
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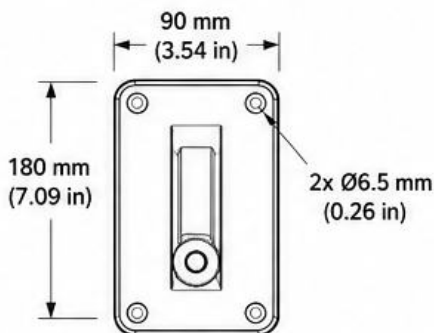
991 South Gull Lake Dr Richland, MI 49083 USA

FIXTURE TYPE: _____

PROJECT NAME: _____



WALL PLATE DETAIL



HOW TO ORDER:

CODE:

Example:

CODE: BS-KRN-WS-SLX-M45-BL-30K

BS-KRN-WS-
SLX-M45-
BL-30K

1 MODELS:

-M45

DIMENSIONS:

Width - W: 9.8" (25 cm)

Wall Plate Height - H: 7.1" (18 cm)

Wall Plate Width - W: 3.5" (9 cm)

Light Height 7.09" (18 cm)

Carton size 19.70" x 12.60" x 13.00" (50 cm x 32 cm x 33 cm)

Weight 7.05lb (3.2 KG)

2 FINISH OPTIONS:

-BL Black

-CUS Custom on request

3 CCT:

-23K 2300K

-30K 3000K

-40K 4000K

-50K 5000K

-65K 6500K



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 **IP65**



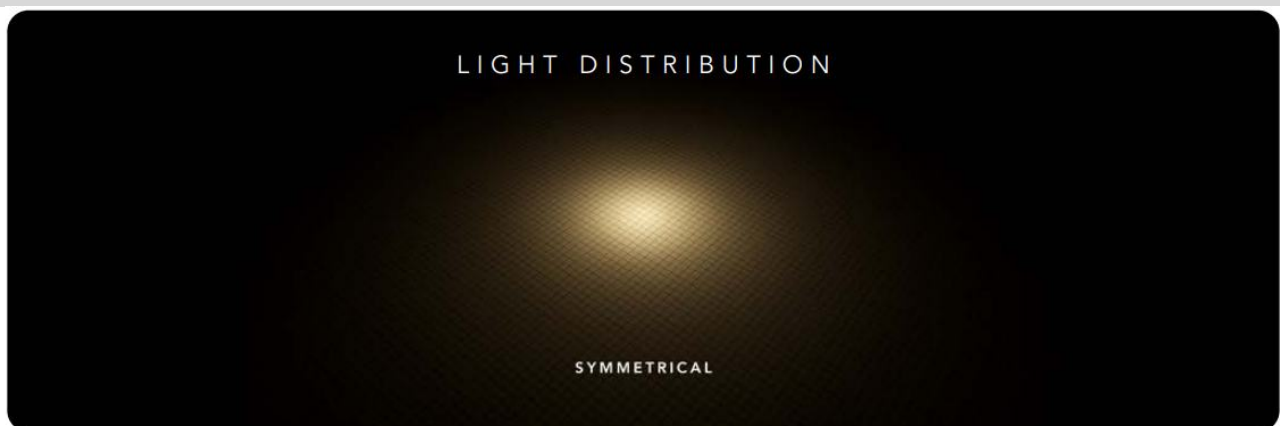
LUMINAIRE HOUSING & LEDS

The KORON incorporates the latest LED technologies, its elegance and ease of installation will meet your lighting needs. KORON 80 is equipped with LED chips, combining performance and robustness with 120 lumens per watt.

A TOTAL OF 420 LUMENS

Our light fixture also complies with current standards concerning light pollution.

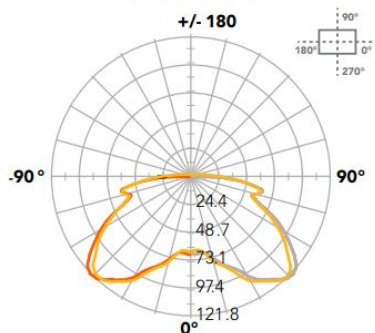
LIGHT DISTRIBUTION



PHOTOMETRIC CURVE

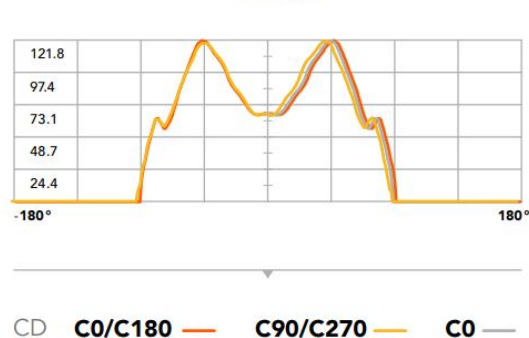
LIGHT DISTRIBUTION CURVE

UNIT : CD



LIGHT DISTRIBUTION CURVE

LINEAR



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KORON COLLECTION

OVER 10 YEARS LIFESPAN

The KORON is equipped with Lithium Iron Phosphate LIFEPO4 batteries, recognized as the best battery technology in terms of longevity, safety, and performance for solar applications. Our batteries enjoy a lifespan of over 3000 cycles, which is more than 10 years at 80% DOD.

LIFEPO4 BATTERY



EXTREME TEMPERATURE

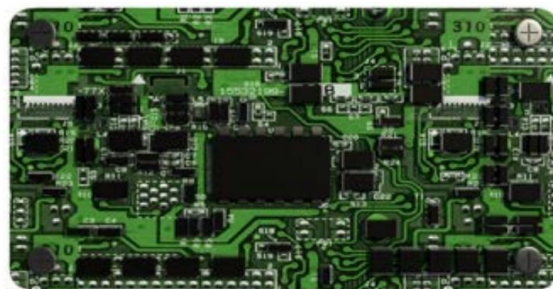
14°F to 158°F (-10 °C to 70°C)

When Standard Lithium LiFePo4 batteries enjoy a working temperature range from 14°F to 158°F (-10°C TO 70 °C). Bullard Solar offers as optional a new Special LIFEPO4 battery with working range of -40°F to 158°F (-40°C to 70°C)

BMS ELECTRONIC PROTECTION BATTERY MANAGEMENT SYSTEM

Our batteries are equipped with electronic circuit boards for a higher protection, ensuring battery functioning optimization in any situation.

THE BMS PROTECTS AGAINST
OVER/UNDER CURRENT • OVERLOAD • OVER/UNDER VOLTAGE
• OVER/UNDER CHARGE • TEMPERATURE MANAGEMENT



COMPARISONS OF DIFFERENT BATTERY TECHNOLOGIES

LIFETIME & CYCLES AT 80% DOD*
Comparison of different battery technologies



Lead Acid
200



NimH
700

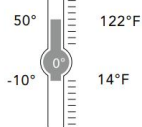


Lithium ION
800

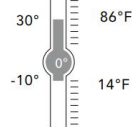


Lithium LifePO4
3 000

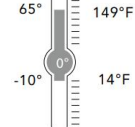
**CHARGING TEMPERATURE RANGE
WITHOUT CAPACITY LOSS**
Minimum & Maximum temperature range for
Optimal charging during the day



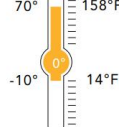
Lead Acid



NimH



Lithium ION



Lithium LifePO4



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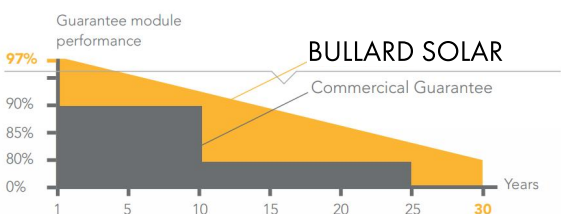
PROJECT NAME: _____

SOLAR PANEL

6 WATTS

Encapsulated Monocrystalline Solar Panel Grade A Solar Cell with Tempered Glass.

OUR PV PERFORMANCE GUARANTEE



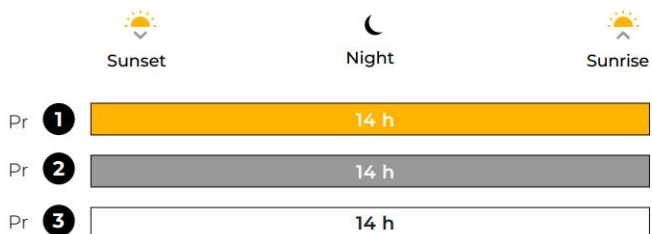
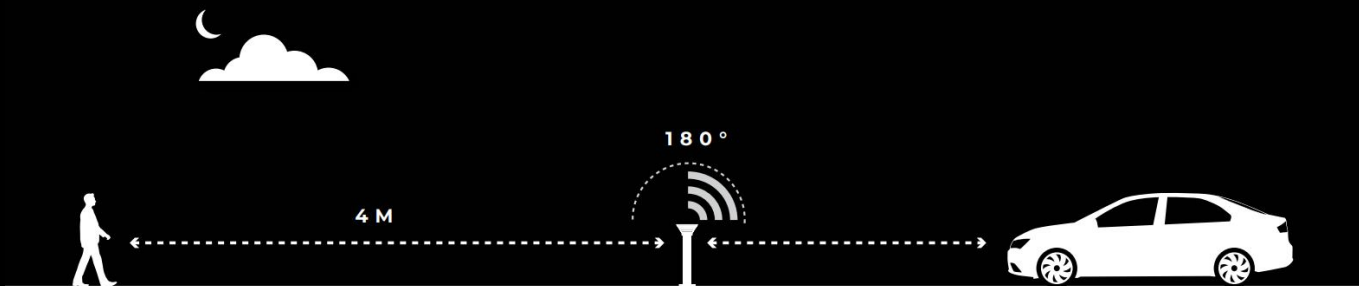
Solar cells **GRADE A**



PRESENCE DETECTOR INFRARED SENSOR

THE KORON AUTOMATICALLY TURNS ON AT DUSK AND OFF AT DAWN.

BULLARD SOLAR offers optional PIR movement sensor. The infra red detector integrated into the light fixture will increase the light power as pedestrians or vehicles pass, thus providing a higher level of safety while respecting the environment.



Depending on the geographical area, we will select the % of light reduction.

- ☒ **Program 1** > 40% Dim + 100% ON during 20 sec
- ☒ **Program 2** > 30% Dim + 100% ON during 20 sec
- ☒ **Program 3** > 20% Dim + 100% ON during 20 sec

OUR DIMMING PROGRAM WILL BE CUSTOMIZED TO YOUR GEOGRAPHICAL LOCATION FOR OPTIMAL EFFICIENCY.



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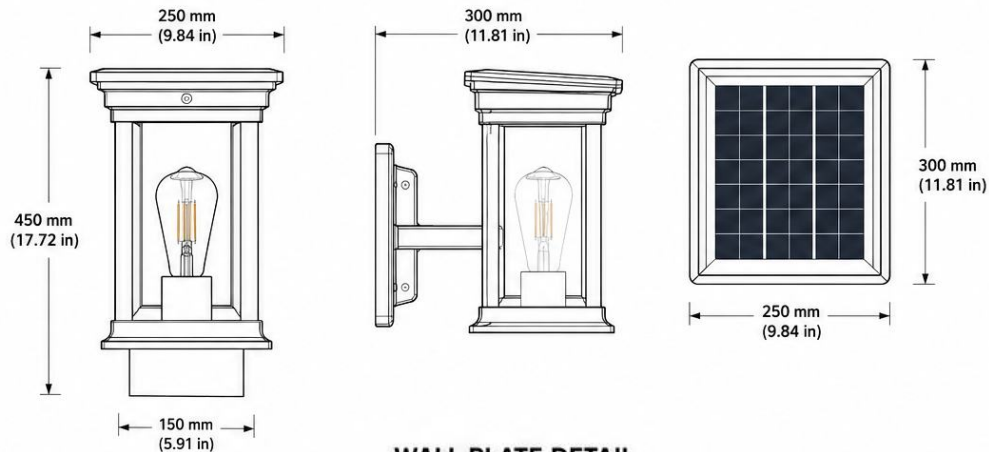
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KORON

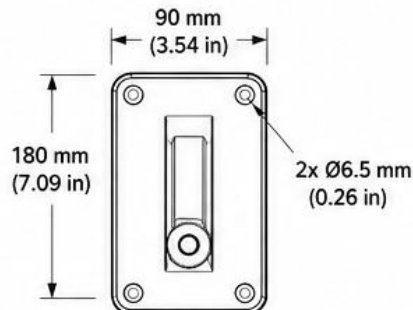
EASY INSTALLATION

NO CABLING & NO TRENCHING

BOLLARD AND BASE



WALL PLATE DETAIL



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