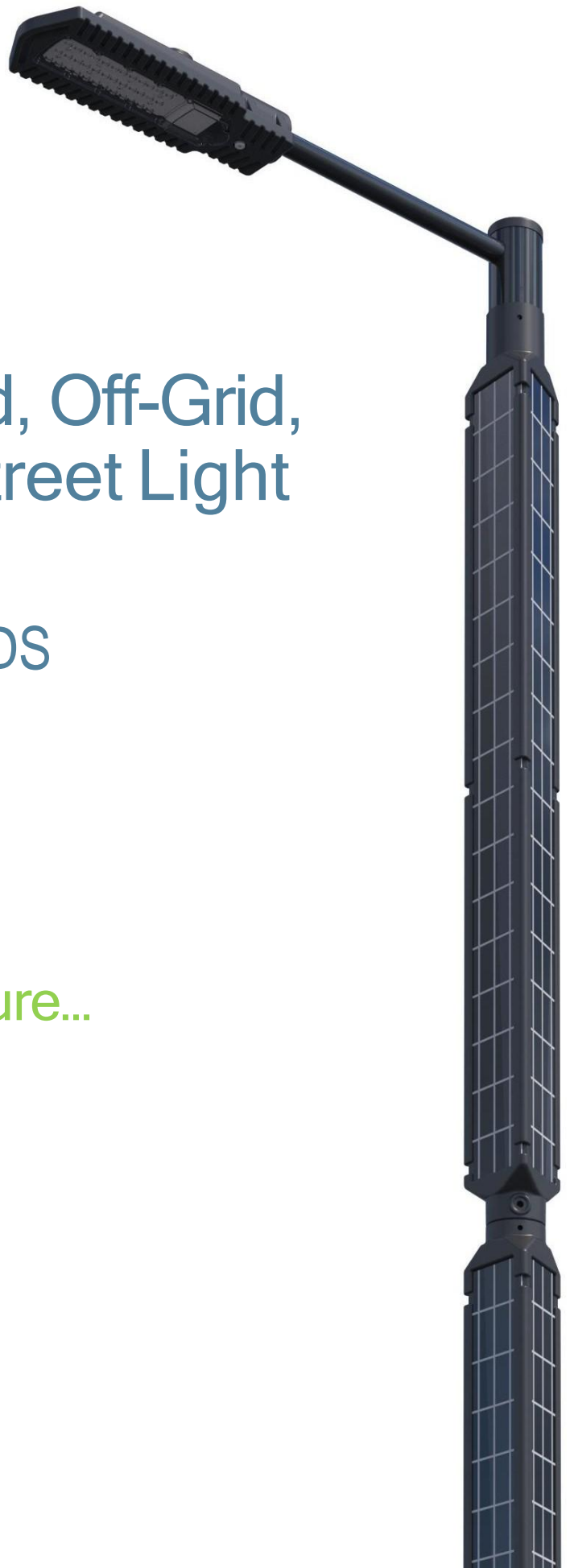


Solar Powered, Off-Grid, Permanent Street Light

Kight Model KV-2DS

Energised by nature...



Completely off-grid, solar street lighting solution.

Designed, tested and manufactured
in the UK

Product Video Link

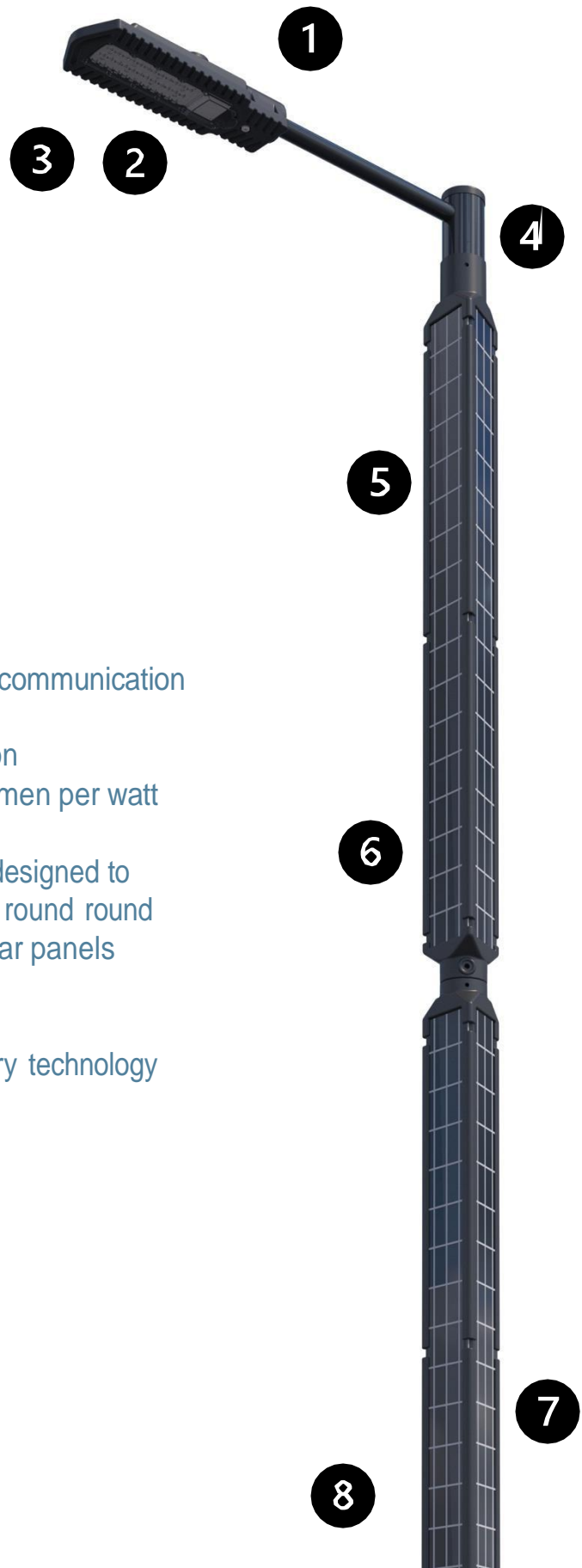
- Energy input from solar energy only
- 100% off-grid with no back up required
- Designed to produce enough green energy to provide 16 hours of light and back up in even in extreme weather conditions
- Advanced sustainable technology developed especially for our products
- No loss of efficiency in temperatures as low as -13°F and high at 140 °F
- Centralised remote monitoring and adjustability of lighting levels and on/off timings
- Extended product lifespan of 27+ years
- Powered from 100% green, clean energy with no running costs and no emissions




Key Features

Features

1. Communication node connected to communication gateway
2. Die cast lantern to IK10 specification
3. 12W LED lantern producing 189 lumen per watt
4. Galvanised, powercoated column
5. Vertical, self-cleaning solar panels, designed to capture maximum solar radiation all round round
6. Dual solar holders with 6 x 50W solar panels producing 300W peak solar
7. Integration control system
8. Next generation fast-charging battery technology with 27+ year lifespan



Kight Off-Grid | Model KV2DS-US



Efficient solar
input giving year-
round reliability

Energised by nature...

Kight
Off Grid

Product Information & Data

Column

- Recommended lantern height 15' or 18' depending on application
- Recommended total height with turbine 16.4' – 20'
- Column upper dimension 3" shaft.
- Galvanised, gloss black powercoated

Lantern

- Die cast aluminium LED lantern, IK10 specification
- High performance LEDs, generating 186 - 200 lumen per watt
- Total lantern output 4400 - 5000 lumen output
- Colour rendering 4000 – 6000 kelvin

Coverage

- Photometry available on Lighting Reality
- Comparable to traditional on-grid lighting solutions

Solar

- 4.8W relative efficiency at low light 97.3%
- 6 x 50W solar panels with 300W peak solar
- Vertical self-cleaning solar panels
- Secure solar holder designed to capture maximum solar radiation all year round
- Optimising size of solar array without windage issues

Battery

- Battery storage – 80ah
- Next generation battery technology
- Kight non-graphite anode technology
- Chemistry designed specifically for Kight off-grid products

Energy

- 300W peak solar
- 80Ah/12V/1104w/h

Integration

- Designed to optimise efficient solar inputs and output requirement of the product

Connectivity

- Remote monitoring
- Full asset management
- Custom client access to dashboard for monitoring assets
- Stepped programmable lighting levels remotely adjustable