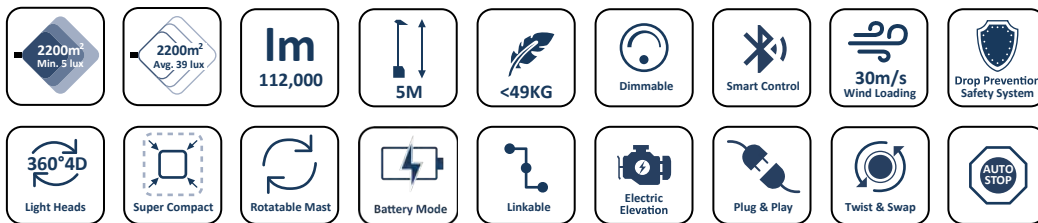


# SIERRA

MOBILE LIGHTING HAS EVOLVED

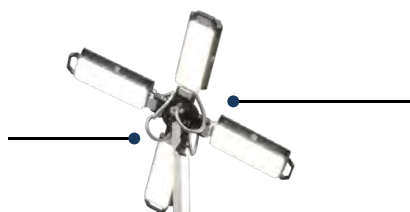
## NEXT GENERATION MOBILE LIGHT MAST

Sierra is optimized for quick deployment, delivering an unparalleled lighting performance from a robust, 5-meter light tower that fits in your car.



# FEATURES

## LIGHTING PERFORMANCE



SIMPLE, FOLD OUT, FULLY  
ROTATIONAL LIGHT HEADS FOR  
ANY DESIRED CONFIGURATION

## OPERATION

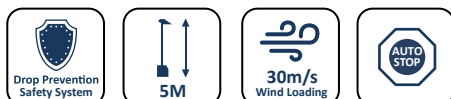


LINK UP TO 3 UNITS FROM  
A SINGLE POWER SOURCE



TWIST & SWAP NEMA SOCKET  
FOR LIGHT CONTROL SOLUTIONS

## SAFETY & STABILITY



CONTROL, DIM & SCHEDULE  
LIGHTS REMOTELY



NIGHT MODE LIGHT REDUCTION  
MINIMIZES ENERGY CONSUMPTION  
& DISRUPTION TO TRAFFIC AND  
RESIDENTIAL AREAS

## MAST



## MOBILITY

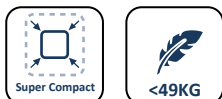
- PUNCTURE PROOF ALL TERRAIN TYRES
- ERGONOMIC HANDLES

## BATTERY MODE

- UP TO 16H BATTERY TIME



## ULTRA COMPACT & LIGHTWEIGHT



- SINGLE PERSON DEPLOYMENT
- TWO PERSON LIFT
- ONLY 1.2M TRANSPORT HEIGHT
- DELIVERING COST SAVINGS WITH EACH TRANSPORT



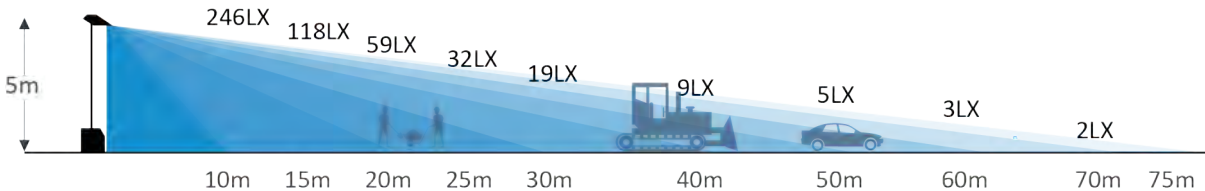
# COMPLETE LIGHTING FLEXIBILITY

With professional grade optics and up to 112,000 lumens, Sierra delivers a more powerful lighting performance than anything in its class.



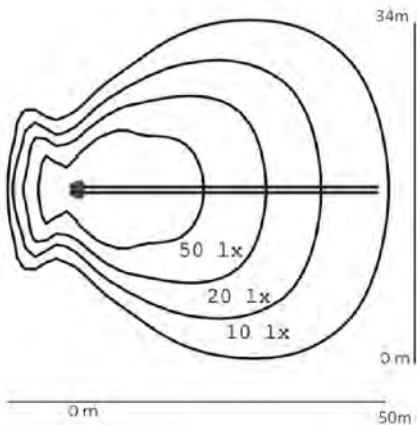
# BRILLIANT LIGHT DISTRIBUTION

Direct the light where you need it. The flexible lamp head makes it possible to have the light exactly where required

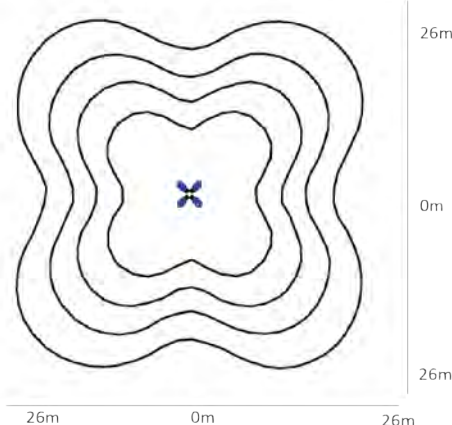


Large illuminated area of **2,200m** with minimum **5 lux** and an average of **39 lux**

All lights facing forward



Lights facing 4 directions

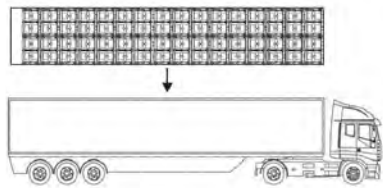


TRANSPORT EFFICIENCY

Delivering cost savings with each transport to and from site and requiring less storage space when at the depot between rentals



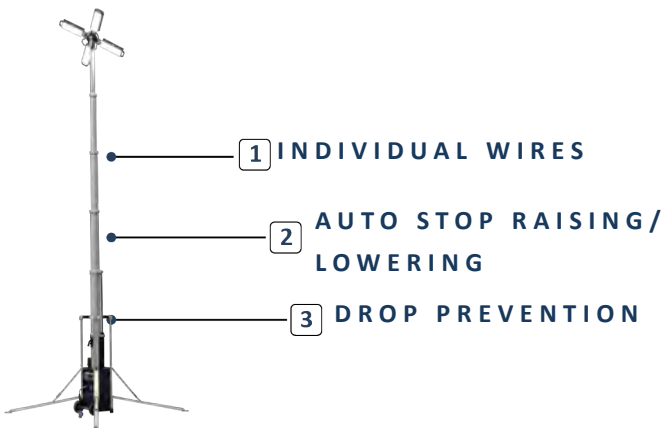
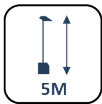
5PCS / EURO PALLET



160PCS / TRAILER

SAFETY & STABILITY

Patented Triple Drop Prevention System (TDP) makes the mast very safe to use.



BATTERY POWERED MOBILITY

Sierra BT combines the mobility of the Sierra mast with battery for quick setup. Ideal for blue light personell and emergency services.



| Output %  | Sierra PLT-BT 0,5kWh | Sierra PLT-BT 1kWh |
|-----------|----------------------|--------------------|
| 100% 200W | 2H 28 000lm          | 4H 28 000lm        |
| 75% 150W  | 3H 21 000lm          | 6H 21 000lm        |
| 50% 100W  | 4H 14 000lm          | 8H 14 000lm        |
| 25% 50W   | 8H 7000lm            | 16H 7000lm         |



**IDEAL FOR EMERGENCY SERVICES**

Sierra PLT-BT pairs perfectly with battery, providing emergency light if power failure. Providing reliable, zero emission illumination.



## TAKE CONTROL OF YOUR LIGHTING

- Equipped as standard with twist & swap NEMA socket for lighting controls
- Manual ON/OFF & night mode

## OPTIONS

- Bluetooth: Wireless, controllable, remote lighting management
- Astro Timer: Manual, scheduled lighting control
- Daylight Sensing: Maximize efficiency in combination with natural daylight
- Motion Sensing: For security and maximizing efficiency
- Lorawan: Remote lighting management & monitoring



## DESIGNED AND TESTED IN TOUGH ENVIRONMENTS

From the harsh Scandinavian winters, to the hot, rugged terrain of Australia's mining regions, Sierra is built to thrive, providing extremely energy-efficient light in all climates.

## TECH SPEC

| Model                      |                                           |
|----------------------------|-------------------------------------------|
| Series                     | Sierra                                    |
| Model No.                  | PLT-800/ PLT-800-BT                       |
| Performance                |                                           |
| Illuminated Surface        | 2200 m2 /23 681 ft2                       |
| System Power               | 800W                                      |
| Luminous Flux              | 112,000 lm                                |
| Luminous Flux Battery mode | 7-28,000 lm                               |
| Lumen/W                    | 140                                       |
| Beam Profile               | 60                                        |
| Color Temperature (CCT)    | 5000K                                     |
| Battery Mode Run Time      | 2-16H                                     |
| Electrical                 |                                           |
| Operating Voltage          | 100-305VAC/50Hz                           |
| Battery Capacity           | 0,5kWh/1kWh                               |
| Battery Type               | LiFePO4                                   |
| Power Factor               | >0.92                                     |
| Electrical Class           | Class I                                   |
| Protection                 | Over Voltage / Over Temp. / Short Circuit |
| Dimmable                   | Yes                                       |
| Input Plug                 | CEE/Schuko/Nema                           |

| Environmental                 |                                  |
|-------------------------------|----------------------------------|
| Ambient Operating Temp. range | -30°C to +45°C<br>-22°F to 113°F |
| Storage Temp. Range           | -40°C to +80°C<br>-40°F to 176°F |
| IK class                      | IK08                             |
| IP class                      | IP65 (lighting) / IP54 (chassi)  |
| Noise Emissions               | <5dB(A)                          |
| Physical                      |                                  |
| Fully extended height         | 5,1m / 16,7ft                    |
| Elevation system              | Electric                         |
| Mast Rotation                 | 340                              |
| Mobility                      | By hand/ Crane/                  |
| Dimensions (min.)             | 358 x 427 x 1200mm               |
| Dimensions (max.)             | 1640 x 1640 x 5100mm             |
| Weight                        | 49kg/ 108lb                      |
| BLT                           | 56,4kg/ 124,3lb                  |
| Wind Resistance               | 30 m/s / 67.1mph                 |
| Housing Finish                | UV stabilized powder coating     |
| Approvals                     |                                  |
| Certifications                | CE, ETL                          |
| Service life L80 B50 (LED)    | >100,000 h                       |