


# 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.

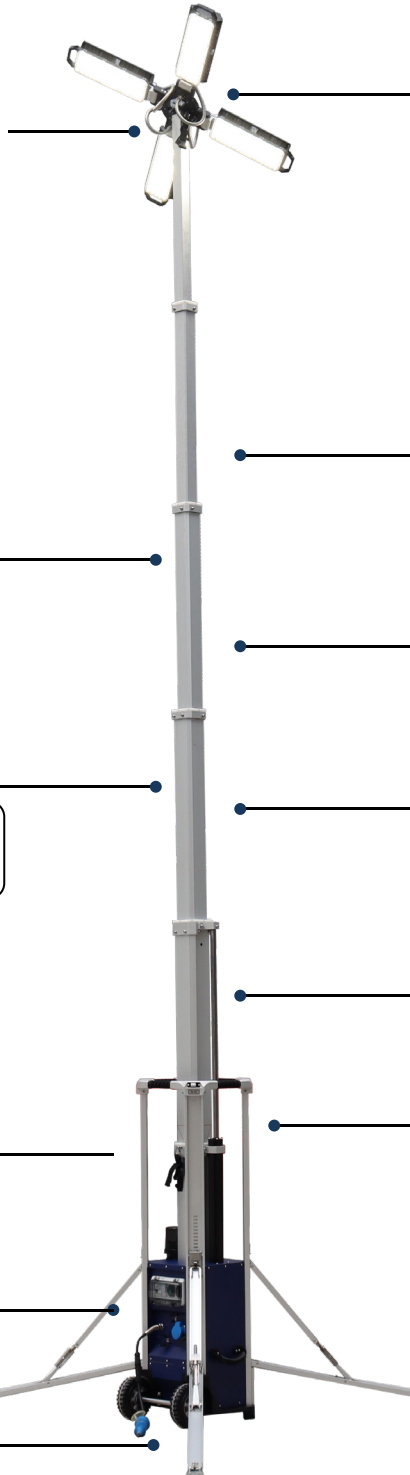
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|---|---|--|--|--|--|---|--|--|
|  2200m <sup>2</sup><br>Min. 5 lux |  2200m <sup>2</sup><br>Avg. 39 lux |  <b>lm</b><br>112,000 |  5M           |  <49KG    |  Dimmable           |  Smart Control |  30m/s<br>Wind Loading |  Drop Prevention<br>Safety System |
|  360°4D<br>Light Heads            |  Super Compact                     |  Rotatable Mast       |  Battery Mode |  Linkable |  Electric Elevation |  Plug & Play   |  Twist & Swap          |  AUTO STOP                        |



# FEATURES

## LIGHTING PERFORMANCE

- 2200m<sup>2</sup> Min. 5 lux
- 2200m<sup>2</sup> Avg. 39 lux
- lm 112,000



360°4D  
Light Heads

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

## OPERATION

- Silent Operation
- Minimal Maintenance
- Plug & Play

## SAFETY & STABILITY

- Drop Prevention Safety System
- 5M
- 30m/s Wind Loading
- AUTO STOP

## MAST

Electric Elevation

Linkable

LINK UP TO 3 UNITS FROM A SINGLE POWER SOURCE

Twist & Swap

TWIST & SWAP NEMA SOCKET FOR LIGHT CONTROL SOLUTIONS

Smart Control

CONTROL, DIM & SCHEDULE LIGHTS REMOTELY

Dimmable

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

## MOBILITY

- PUNCTURE PROOF ALL TERRAIN TYRES
- ERGONOMIC HANDLES
- TERRAIN WHEELS ACCESSORY



Battery Mode

BATTERY MODE  
• UP TO 26H BATTERY TIME

## ULTRA COMPACT & LIGHTWEIGHT

- Super Compact
- <49KG

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



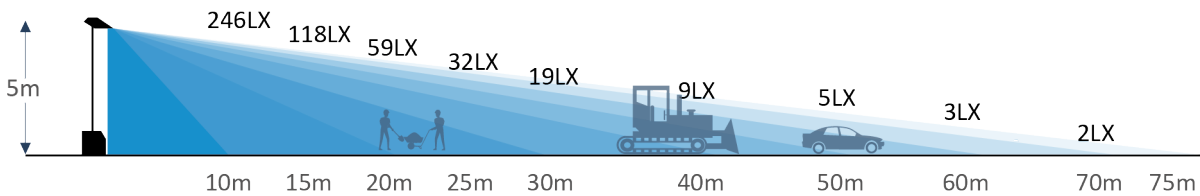
## COMPLETE LIGHTING FLEXIBILITY

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



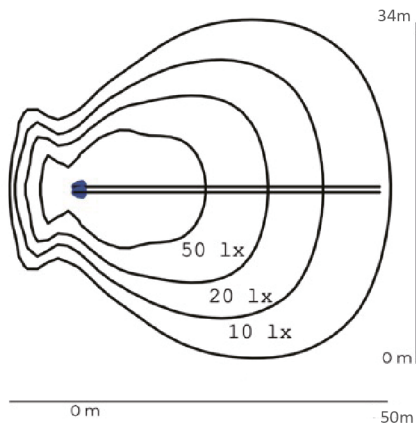
## BRILLIANT LIGHT DISTRIBUTION

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

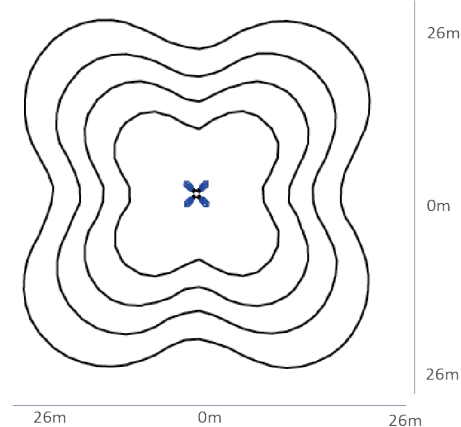


Large illuminated area of **2,200m** with minimum **5 lux** and an average of **39 lux**

All lights facing forward



Lights facing 4 directions

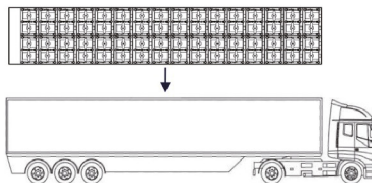


## TRANSPORT EFFICIENCY

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



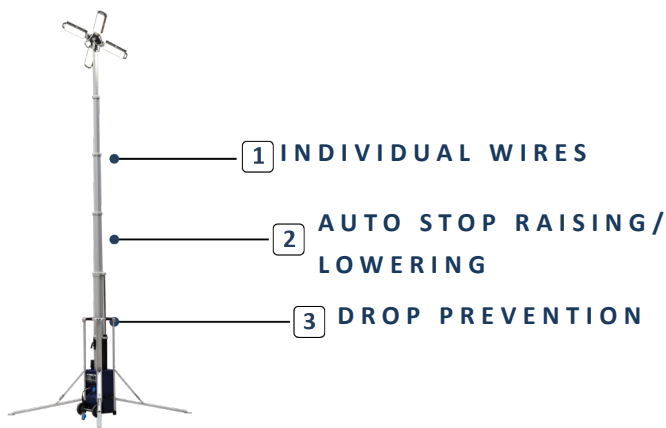
5PCS / EURO PALLET



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 1.3kWh
100% 200W	6.5H 28 000lm
75% 150W	8,5H 21 000lm
50% 100W	13H 14 000lm
25% 50W	26H 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 m <sup>2</sup>
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	3-12H
Electrical	
Operating Voltage	100-305VAC/50Hz
Battery Capacity	0,75kWh
Battery Type	LiFePO4
Power Factor	>0.92
Electrical Class	Class I
Protection	Over Voltage / Over Temp. / Short Circuit
Dimmable	Yes
Input Plug	CEE 230V

Environmental	
Ambient Operating Temp. range	-30°C to +45°C
Storage Temp. Range	-40°C to +80°C
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
Housing Finish	UV stabilized powder coating
Approvals	
Certifications	CE
Service life L80 B50 (LED)	>100,000 h
Accessories	
Terrain Wheel	316000438