Product life cycle

PRODUCTION

Involved:
-Humanitarian organizations
-Private companies
-Manufacturer

Order/Purchase
This is where the decision to produce the light is taken ether as a measure of preparedness or in response to an emergency. Matters like materials, modifications, quantity, manufacturing location and purchase cost are decided.

Manufacturing
The product is manufactured in factories close to distribution points to reduce transport cost and time.

Packaging:
The product is packed and made ready for shipment. It is now ready to be stockpiled shipped to storage and distribution points or directly to an emergency area.

TRANSPORT

Involved:
-Transport companies
-Transport personnel
-Humanitarian organization personnel

Planing
Here the decision is taken on transport method from factory, storage or distribution point to the emergency area. The faster the better. It is also important to consider the delivery possibilities to the final destination. Many of the preferred transport methods might be impossible because of damage to infrastructure like ruined airstrips, docks and roads. Other important factors to consider are quantity, weight, volume handling and cost

Transport
The product is shipped to it's destination.

Delivery

DEPLOYMENT

Involved:
-Disaster relief personnel
-Humanitarian organization personnel
-Volunteers
-Disaster affected

Assessment
Before deploying the lights it is important to do an assessment of the situation. Where are the lights most needed and where do they help the most. Quick emergency deployments should be done were needed.

Planing
After an assessment of the post disaster situation it is important to plan where to deploy the lights. The most effective way to do this is to plan the distribution and deployment in cooperation with the affected local community, especially the women.

Deployment
The lights are placed and secured by relief personnel, engineers and volunteers according to a predetermined plan.

IN USE

Involved:
-Humanitarian organization personnel
-Displacement camp residents

Activation
After deployment the lamp is activated. It will now need now further user involvement until it needs repair or it needs to be moved to an other location or recollected.

Active
The lamp is now functioning as an outdoor light source. It is a measure to heighten security and lower the risk of assault and rape at night. It will mainly stand along paths and roads between key facilities in the displacement camp. The lamp will be charged during the day an be lit when dark. How long it is lit depends on the solar panel and the batteries that are used.

Collection/repair
When the lamp is no longer needed or it needs repair it will be collected by Its respective organization. The product can now be maintained and shipped back to storage or sent to a recycling facility.