

# 20W LED Floodlight w/emergency light

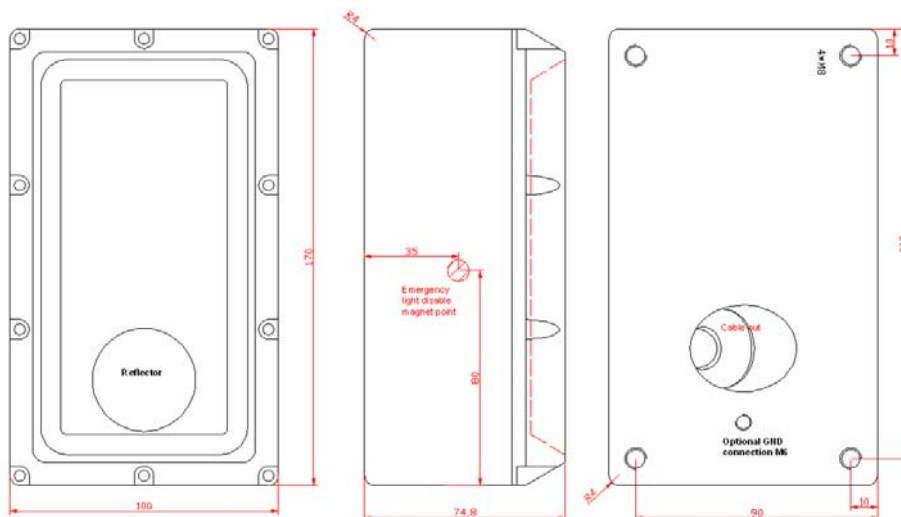


Lopolight ApS

# Battery backed light Datasheet

Water & weather proof LED based floodlight with emergency function

|                           |  |
|---------------------------|--|
| Physical size /mm:        | Length: 170    Width:100    height:75  |
| Materials:                | Aluminium min. 50µ anodizing, mineral glass.   |
| Light source:             | LED cluster - 20W  |
| Expected lifetime:        | 25.000 running hours or 20 years   |
| Manual override:          | AC input (L1)  |
| Mechanical interface:     | 4*M8 threads   |
| Intensity:                | ~2500 Cd (center), angular spread: ~30°. 1200 Cd @ battery power   |
| Input voltage range:      | 90-260VAC  |
| Recommended fuse:         | 2A T   |
| Battery type:             | 25V 600mAh Ni-Mh   |
| Battery lifetime:         | 5 years  |
| Battery shelf time:       | 1 year (storage time without charge – <i>provided 100% full when stored</i> )  |
| Temperature range:        | Storage: -30°C to 70°C; Active: -20°C to 55°C  |
| Electrical interface:     | Pre-cabled 2 meters, 4 x 1mm <sup>2</sup> , PUR. (N,L2,L1,GND)   |
| Wire numbering:           | #1=L1:ON/OFF. #2=L2:Power. #3:N. Gr/YI: GND  |
| Optional ground conn.:    | M6, 12mm deep on rear of unit  |
| Ingress protection:       | IP-67  |
| Standards:                | Please refer to separate CE declaration  |
| Enable battery function:  | Battery back up function is enabled first time the unit is connected to grid power (N-L2) for more than 30 seconds.<br>The unit will provide ~50% light for minimum 1 hour when battery powered. |
| Disable battery function: | Back-up function can be disabled again in order to turn off after test by placing a powerful magnet at “magnet point” on side of unit.   |
| Charge function:          | Internal charger will charge battery to 75% over 10 hours after grid connection. Trickle charge function will take over hereafter. (1 minute reduced charge each 30 minute).                     |
| Battery protection:       | Internal cut-off function will protect battery from deep-discharge damages   |



## Cable specifications:

### Technical data

|  |  |
|--|--|
|  | Core identification code<br>Black with white numbers   |
|  | Approvals<br>UL MTW, TC-ER, WTTTC 1000V, BUS DROP<br>c(UL) Type TC and CIC FT4<br>CSA AWM I/II A/B FT4                 |
|  | Specific insulation resistance<br>> 20 GOhm x cm   |
|  | Conductor stranding<br>Finely stranded bare copper wires   |
|  | Minimum bending radius<br>6 x cable diameter   |
|  | Rated voltage<br>UL/CSA: 600 V (TC, MTW, CIC), WTTTC 1000V<br>UL/CSA: 1000 V (AWM)<br>HAR U <sub>0</sub> /U: 300/500 V |
|  | Test voltage<br>2000 V   |
|  | Protective conductor<br>G = with protective conductor GN/YE<br>X = without protective conductor                        |
|  | Range of temperature<br>Fixed installation: -40°C up to +90°C  |