



## SBFL 160

### Marker Light for Aquaculture Farms

The SBFL 160 Marker Light has been specifically developed for aquaculture farm marking applications. Designed to provide excellent daytime, nighttime, and radar visibility, the unit helps ensure safe identification of aquaculture infrastructure in a wide range of marine operating conditions. The marker light can be mounted directly onto aquaculture farm floats for simple installation and reliable long-term operation. The marker light combines a high-visibility yellow buoy structure with an integrated battery system, LED lantern, light reflectors along with internal radar reflector. The rugged, low-power LED lantern incorporates GPS synchronisation as standard, enabling precise flash synchronisation across multiple installations.

- Adjustable intensity and operational range
- Standard range 3 NM at  $T_c = 0,74$  (4,5 NM at  $T_c = 0,85$ )
- Default IALA yellow colour light
- Equipped with internal radar reflector
- Available with either alkaline primary battery or rechargeable LFP battery
- Vertical divergence  $8^\circ @ 50\% (\pm 1^\circ)$  of peak intensity
- GPS synchronisation as standard
- Mounting mechanism can be customized for different floats
- Sabik Easy programmer can be used for programming the lantern and for reading the status of the lantern and battery
- Advanced Bluetooth® Control provides wireless monitoring and configuration up to 50 m using Android™ and iOS® mobile devices



## Main Technical Specification

|                               |                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------|
| Lantern intensity setting     | 17 cd                                                                                |
| Max lantern intensity         | 40 cd                                                                                |
| Vertical divergence           | 8° @ 50% ( $\pm 1^\circ$ ) of peak intensity                                         |
| Buoy material                 | UV resistant Polyethylene                                                            |
| Lantern material              | UV resistant Polycarbonate                                                           |
| Weight without adapter plate  | 33 kg                                                                                |
| Degree of protection, lantern | IP 67                                                                                |
| Lantern programming           | Wireless with Sabik Easy programmer or with an advanced Bluetooth android mobile app |
| Primary battery 220 Ah        | Replacement interval > 1,5 years                                                     |
| Rechargeable battery 135Ah    | Recharging interval > 1 year                                                         |
| Cable length                  | 2 m / 6 m                                                                            |

## Product codes

|                 |                                                                                  |
|-----------------|----------------------------------------------------------------------------------|
| SBFL-160-1-7YBS | Marker light with 220 Ah primary battery + sync                                  |
| SBFL-160-1-7YLS | Marker light with a rechargeable 135 Ah, 16 V LiFePO <sub>4</sub> battery + sync |

## Product code for mechanical fixing

|        |                                 |
|--------|---------------------------------|
| 841011 | Mechanics for buoy installation |
|--------|---------------------------------|

## Product code for lanterns

|               |                                                                         |
|---------------|-------------------------------------------------------------------------|
| VPL-110-Y4    | Lantern for SBFL marker light with synchronisation                      |
| VPL-110-4Y-BD | Lantern for SBFL marker light with synchronisation and Binder Connector |

## Product code for battery

|              |                                                                         |
|--------------|-------------------------------------------------------------------------|
| 950168       | 220 Ah primary battery                                                  |
| LFP16-135-QD | 135 Ah 16 V Rechargeable battery with Legacy Quick Disconnect Terminals |
| LFP16-135-BD | 135 Ah 16 V Rechargeable battery with Binder Connector                  |

## Product code for Programmer

|        |                                                            |
|--------|------------------------------------------------------------|
| 980332 | Sabik Easy Programmer                                      |
|        | Bluetooth® app available for Android™ and iOS® smartphones |

## Product code for charger

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| LFP-CHRG-2240-5-QD | LiFePO <sub>4</sub> 5S 4A Charger Quick Disconnect Connectors |
| LFP-CHRG-2240-5-BD | LiFePO <sub>4</sub> 5S 4A Charger Binder Connector            |

