

# TRANBERG® SEARCHLIGHTS

## TEF 2650 Commander Searchlight General Description

### Safe Area



The Commander Searchlight is a leading edge searchlight system, comprising of network-operable components that significantly simplify installations and operations. Up to 8 searchlights and 16 control panels may be connected to a single and robust RS-485 network.

### Application

- General searchlights
- Special purpose searchlights for arctic use, SAR, etc
- Suez searchlights
- Smaller to large vessels

### Features and benefits

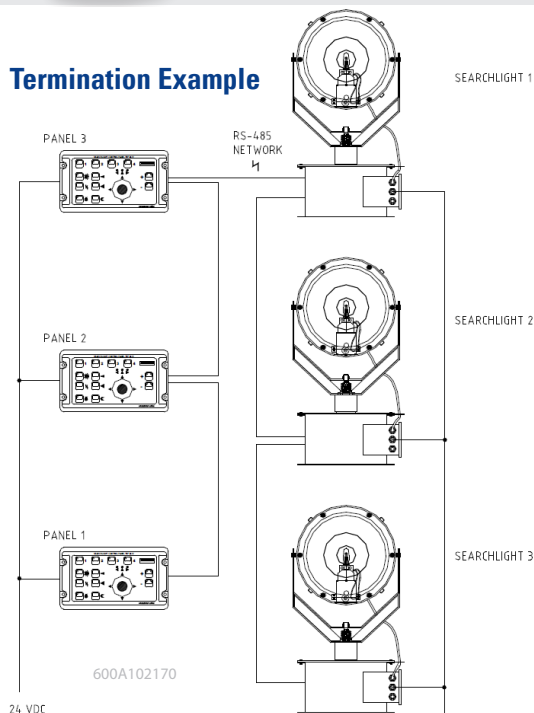
- Network-based: Searchlights and control panels are connected to a simple and robust twisted-pair network (RS-485)
- Flexible: Connect 1 to 8 searchlights, and 1 to 16 control panels on the network. Add units as required over time - no other modifications needed
- Multi-user: Each searchlight can be controlled simultaneously from individual users on different control panels
- Ease of use: Control panels are backlit and dimmable and simple to operate
- One-for-all: Each control panel may control both halogen and xenon searchlights
- Special versions: Search And Rescue (SAR) searchlights and control panels are available for special operations
- Simplify installations: The Searchlights Interface Module (SIM) has been developed to simplify wiring of xenon searchlights; eliminates one dedicated cable from searchlights to the xenon power supply

The principle of the system is that any user at any location should have the freedom to control any of the searchlights. This is particularly important to increase safety onboard the vessel, but also to improve efficiency: A single Commander Searchlight control panel enables the user to control any of the connected searchlights, where a more traditional control system would require slave panels for each of the searchlights. Besides confusing a user, traditional control panels occupy valuable space in the bridge consoles.

The flexibility of this system allows more searchlights or control panels to be added at a later stage. Several add-on types of equipment are available to further simplify installations, and more will be on the market during 2008: Radio/remote control interface and gateway for integrating the Commander Searchlight system into a supervisory control system.



### Termination Example



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