DHR80 LED

With the all new DHR80 LED, vessels with a length of over 50 meters can also be equipped with DHR LED technology. Its modern, innovative and rugged design makes the DHR80 LED yet another standard in navigation lighting. The use of automotive LEDs and high quality components assures the most robust and durable product in its class. Interference noise does not occur and with a 50.000 hrs lifetime it reduces expensive maintenance costs to a minimum. On top of this, the DHR80 LED is unique in its easy serviceability, which makes it the best choice for safety in all weather conditions.

MATERIALS
- Black, hard anodised seawater resistant aluminium
- POM insulation sleeves to prevent galvanic corrosion
- UV Resistant borosilicate glass lens
- Epoxy potted power supply for maximum protection

APPLICATION
Seagoing vessels over 50m in length

SPECIFICATION
Power Supply:	24V
Lifetime:	50,000 Hrs
Visibility:	3 NM - 6 NM
Operation Temperature:	-25 to 55 °C
Protection Class:	IP66
Approvals:	MED USCG

QUALITY STANDARDS

- Main and spare LED Modules
- 24VDC (-20%/+30%) Max. 20W
- Maintenance friendly
- Extended operational lifetime +5 yrs
- No noise interference
- Excellent thermal management +55°C / -25°C
- Robust design
- Waterproof IP66

DHR · SINCE 1922

Advanced Maritime Signalling Solutions

AVAILABLE MODELS

Sector lights	Min. Visibility	LED Colour	Power	Art. Code
Starboard	3 NM		6 W	80.01.00.00
Port light	3 NM		6 W	80.02.00.00
Masthead	6 NM		18 W	80.03.00.00
Stern	3 NM		5,5 W	80.04.00.00
Towing	3 NM		6 W	80.04.09.00

All-round lights	Min. Visibility	LED Colour	Power	Art. Code
White	3 NM		5,5 W	80.06.00.00
Manoeuvring	5 NM		16 W	80.06.10.00
Red	3 NM		6 W	80.07.00.00
Dredging Lights	3 NM		6 W	80.07.08.00
Green	3 NM		6 W	80.08.00.00
Yellow	3 NM		6 W	80.09.00.00
Blue	2 NM		4 W	80.10.00.00

Special sector lights	Min. Visibility	LED Colour	Power	Art. Code
Stern - Red (Suez light)	3 NM		6 W	80.04.07.00

All-round lights, screened	Min. Visibility		LED Colour	Power	Art. Code
White	3 NM	White		5,5 W	80.06.01.80
NUC	3 NM	Red		6 W	80.07.01.80
CbD / RIM	3 NM	Red / White		5,5 W	80.07.06.80
Green	3 NM	Green		6 W	80.08.01.80
Yellow	3NM	Yellow		6 W	80.09.01.80

SERVICE KIT
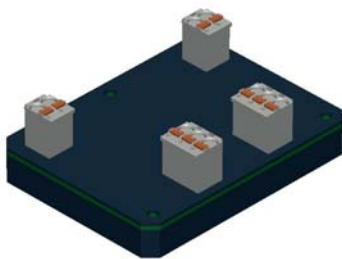
LED-Driver

Gasket Lens DHR80 (2x)
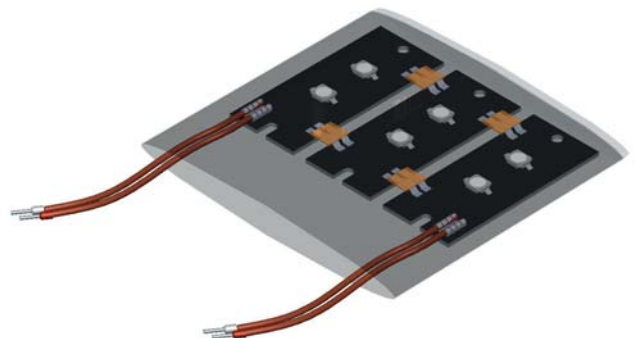
LED MC-PCB

Item	Navigation light	Description	Number
A	Starboard All-round green	Maintenance kit for: green	80.99.00.30
B	Port light Stern Red All-round red	Maintenance kit for: red	80.99.00.31
C	Masthead	Maintenance kit for: white 6NM	80.99.00.32
D	Stern All-round white	Maintenance kit for: white 3NM	80.99.00.33
E	Towing light All-round yellow	Maintenance kit for: yellow	80.99.00.34