

ROHS DIRECTIVE 2011/65/EU



The European Commission adopted 12 regulations under the RoHS Directive, effectively banning fluorescent lamps for sale in EU (manufacturing / importing / exporting).

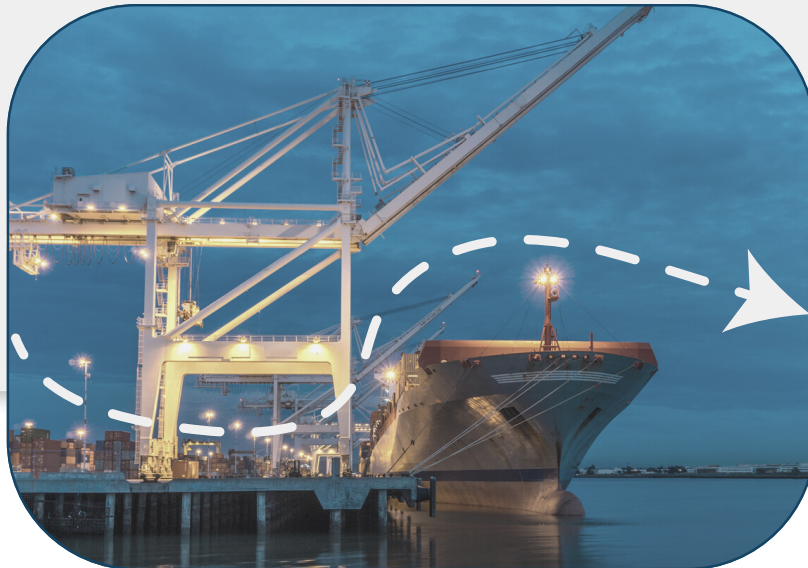
RoHS

Learn more about the new regulations:

<https://bit.ly/3BKt47E>



FEBRUARY 2023
Ban on all CFLni lamps



AUGUST 2023
Ban on all T8 & T5
fluorescent lamps

It is considered, that the final ban from EU market will rapidly affect the availability of the fluorescent lamps, since 99% of manufacturing is made in China and more than 50% of the total production is exported to Europe.

Moreover, the production of fluorescent lamps will be rapidly decreased, since the manufacturers have already made changes to their production lines for the transition to LED, reducing the production size of the fluorescent lamps even more.

LET'S TALK ABOUT SHIPPING

CO₂



The Shipping Industry is moving forward with the EEXI / CII compliance.

An energy efficient lighting solution will rapidly reduce the energy consumption up to 90%. This translates to drastic reduction of greenhouse gas emissions.

WHY UPGRADE TO LED?

COMPLY WITH REGULATIONS

An upgrade from conventional to LED Lights can easily help you comply to the new regulations and improve your CII rating.

Ban of the fluorescent lamps will rapidly affect the total lighting industry onshore and offshore.

INCREASE ENERGY SAVINGS

Upgrading the existing light installation with efficient LED luminaires, will have a significant benefit on energy consumption. It is not only economical; it also translates to less waste and reduction of GHG emissions.

MAINTENANCE FREE PRODUCTS

LED luminaires last longer and require less maintenance than conventional lights. Spares parts are consisting of the 1/3 in comparison with a conventional light

EFFICIENT LIGHT QUALITY

Light output should be always considered. With premium Led luminaires, better visual conditions are guaranteed and accidents can be reduced.



RoHS

HOW TO UPGRADE WITH

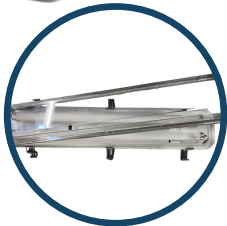
SEABRIGHT

MARINE BRIGHT SOLUTIONS

Seabright has designed and developed an [Led Upgrade Solution](#), consisting of kits for indoor / outdoor use as well as Led Floodlights.



INSTALLATION IN 4 SIMPLE STEPS



STEP 1

Remove the diffuser from the rest of the housing



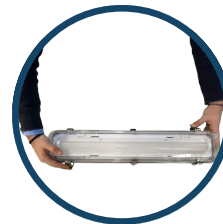
STEP 2

Remove the existing gear tray and disconnect the power (LNE)



STEP 3

Connect the power (LNE) of the new gear tray and replace



STEP 4

Reinstall the diffuser



SAVINGS ENGINEERING STUDY

Prior to each installation, our engineers may run a study to see the how much KW and money you will save by an Led upgrade.

INSTALLED CONVENTIONAL LIGHTS				SEABRIGHT LED UPGRADE KITS			
Type of light	QTY	Power consumption (WATT)	Total KW (Before Retrofit)	Type of light	QTY	Power consumption (WATT)	Total KW (after Retrofit)
Floodlight 200W Halogen	2	200	0,4	Apollo 50	2	55	0,11
Floodlight 300W Halogen	5	300	1,5	Apollo 50	5	55	0,275
Floodlight 500W Halogen	4	500	2	Apollo 50	4	55	0,22
Floodlight 400W HPS	20	460	9,2	Apollo 150	20	160	3,2
Floodlight 2x400W HPS	11	960	10,56	Apollo 300	11	320	3,52
Fluorescent light 2x20W	190	54	10,26	LED kit 18W	190	18	3,42
Fluorescent light 2x40W	284	96	27,264	LED kit 33W	284	33	9,372
Incadescent lamp 60W	76	60	4,56	Led lamp 7W	76	7	0,532
		Total kW in full operation	65,744			Total kW in full operation	20,649

**STUDY ON A 74,500 DWT CRUDE OIL TANKER **



SEABRIGHT
MARINE BRIGHT SOLUTIONS

THEY HAVE TRUSTED US:

