

# SIGNAL LIGHT RULES FOR SUEZ CANAL

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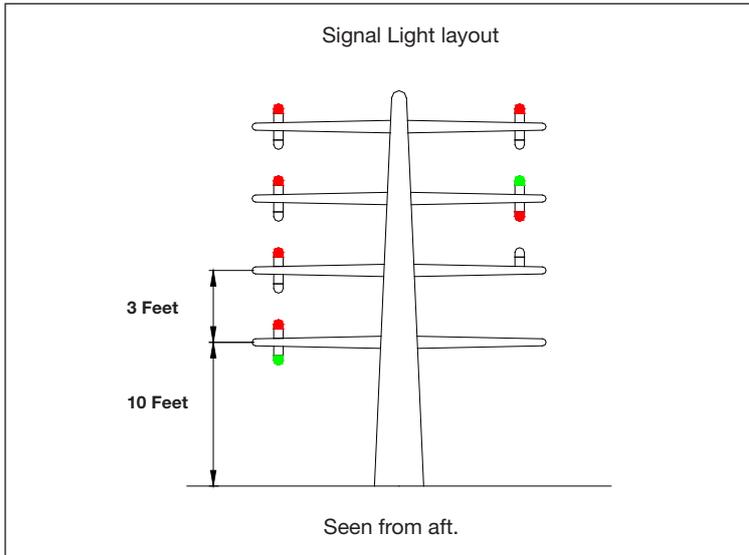


## SIGNAL LIGHTS

### Art. 92 - Signal Light

1)	Oil tanker carrying bulk petroleum (flash point between 73° and 150°F)	 RED  RED  WHITE	12)	Last vessel in the convoy	 GREEN  WHITE
2)	Vessels carrying 1 st. group dangerous cargo	 WHITE  RED  RED	13)	Vessel is making fast	 WHITE  WHITE
3)	Petroleum in bulk (flash point below 73°)	 RED  RED  RED	14)	Vessel is manoeuvring to get underway to sea	 WHITE  RED
4)	Vessels carrying radio active substances	 RED  RED  RED  RED	15)	Vessel is manoeuvring to get underway to Canal	 WHITE  RED
5)	Vessels requiring pilot	 WHITE  WHITE  WHITE	16)	Voluntary stopping Vessel is not ready and will not maintain her turn in the convoy	 WHITE  RED  WHITE
6)	I require free practice	 RED  WHITE	17)	Passage clear for tugs	 RED
8)	My vessel is under quarantine	 RED  GREEN	18)	Passage NOT clear for tugs	 RED  RED
			NOTE:	When made fast in the Canal, the 2 white lights are extinguished, and a RED light aft is switched on in lieu of the STERN light. All the time the vessel is moored and until actually underway.	

# SIGNAL LIGHT RULES FOR SUEZ CANAL



## NIGHT LIGHT

### Art. 28 - Searchlight

Before transiting the Canal, the vessel should be provided with a searchlight ( projector ) complying with the following conditions and specifications.

1. It should be placed on the bow in the axis of the vessel and show the Canal clearly.
2. Specifications are as follows :
  1. Minimum range of radiation of single beam 1800 m. ahead ( Brightness of 1 LUX approx, at the atmospheric transmission factor  $T = 0.85$  ).
  2. The power of the lamp must give a luminous intensity of single light beam not less than  $3 \times 10^6$  ( 3 million ) candles, which is equivalent to a high efficiency incandescent lamp of :
    1. 2000 watt for vessels up to 30000 SC.G.T.
    2. 3000 watt for vessels over 30000 SC.G.T.
    3. Or any kind of lamps which that fulfills the specifications, under item (2) above and to be of the nonexplosive type.
  3. The drum and stand should be of high corrosion resisting material and can be operated both horizontally and vertically.
  4. The front glass must be of hardened type and can stand rapid cooling.
  5. The reflector must be in two halves of precise ground glass mirror of highest quality or of polished aluminum having at least 95% the reflective capacity of the glass mirror.
  6. The two halves of the reflector can be brought together (zero position) to make a single reflector light beam and can be parted to give two separate light beams each of 5 degree at least on the horizontal level with adjustable dark sector from 0 to 10 degree.
  7. The searchlight drum must be watertight (pressure test 0.25 kg/cm<sup>2</sup>), and the electric system ( switches, plugs, socket

and cables ) must be of 1 st class marine type with degree of protection IP55.

8. Gastight searchlight ( according to the classification rules ) for the vessel's having electric appliances within the dangerous area , and provided with a vent - out of which a flexible hose can be fitted on the drum to dissipate the heated air out of the searchlight in addition to a safety vent. On vessels carrying Petroleum products, L.N.G. or inflammable substances or vessels Not Gas Free, exit of hot air must be effectuated in a place devoid of inflammable gas.
  9. The searchlight must be equipped with 2 lamps carrier that can be turned into position to let the lamp exactly in the focus of the reflector, and the current must be switched on automatically.
  10. The searchlight must have a certificate for the "Type Test". This type test must include illuminate test to fulfill the above specifications, issued by one of the Classification Societies ( Lloyd's Register, etc. ). The original to be submitted to Suez Canal Officials and thereby,
3. On all vessels mentioned in item ( 2-h ) , electric cables installations for searchlight and all connections leading to it must be permanently fixed, insulated and gastight. At the end of the cables, a fixed and gastight nonexplosive type socket should be installed close to the searchlight.
  4. On board vessels, electrically propelled or having electrically driven gear ( steering, winches, etc. ) the number of generators and their individual power output must be sufficient to ensure uninterrupted functioning of the searchlight in the event of stoppage of one of the generators, No exception to this rule will be allowed except when there is an independent generator and circuit on board specifically set apart for the searchlight.
  5. A portable projector can be hired locally from the Canal Mooring and lights Company ( weight of projector about 22 kg ).
  6. For vessels fitted with their own projector, two shore electricians should operate the projector during the transit.
  7. Vessels with special cases :
    1. L.P.G. and L.N.G. vessels, without any exceptions, must be provided with their own searchlight.
    2. Vessels entering the Canal, direct from sea, must be provided also with their own searchlight.
    3. Yachts and tugs up to 150 SC.G.T. can transit with their own projectors, on condition that the unit is equipped with at least 2 projectors, each with a capacity of not less than 1000 watt, no shore electricians will board.
  8. If electrical connections and/or searchlight are not in conformity, the vessel is liable to transit only in day-time and therefore, subject to delay. An additional due of ( 4300 U.S. Dollar ) will be imposed when the searchlight and/or electrical connections are not in conformity with the 3rd transit and each following transits.

See Art. 105 (14) P. 203. (2) Containers on container ships are not considered as deck cargo. (3) Specially built vessels and barges carrying drillers or bulky deck cargo to be studied each separately. ( See Appendix P. 91, para B ).

# SIGNAL LIGHT RULES FOR SUEZ CANAL

## Art. 29 – Overhead Lights ( Deck Lights ) :

Overhead lights visible all round the horizon with a minimum range of 200 meters ( about 650 feet ).  
Kind of lamps to be the nonexplosive type.

## Art. 30 – Bridge Wing Projectors :

Bridge wing projectors on either side of the bridge must be fitted to

show the Canal banks clearly during the transit and mooring operations, they must have the following characteristics :

1. Power about 4 LUX at an atmospheric transmission factor (T = 0.74) and minimum range 200 m.
2. Kind of lamps to be the nonexplosive type.

## Art. 31 – Funnels :

Funnels must be lit to facilitate the identification of the vessel by night.

## RECOMMENDED EQUIPMENT

### SIGNAL LIGHTS

Description		Weight	Part No.
Signal light scheme 1, Incandescent	White	360°	2438 501
Signal light scheme 1, Incandescent	Green	360°	2438 601
Signal light scheme 1, Incandescent	Red	360°	2438 701

### STERN NAVIGATION LIGHT

Lantern 2870 ST.R	Stern suez red	135°	2,85 kg.	2870 321
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### BRIDGE WING LIGHT

Description	Watt	Volt	Peak Beam Candle Power	Range M 1lux at target	Divergence	Pan°	Tilt°	Part no.
305mm (12") Halogen	1000	230	2,3 x 10 <sup>6</sup>	1540	11°	370	-15 -35	2620213410

### SEARCHLIGHT

624 mm Halogen	2000	230		1800				2665010135
624mm Halogen	3000	230		1800				2665010136