

§ 149.707

§ 149.707 Applications for aids to navigation.

(a) 180 days before the installation of any structure at the deepwater port site the licensee must submit applications for obstruction lights and such other private aids to navigation appropriate for the particular construction site.

(b) 180 days before the commencement of oil transfer operations or changing the mooring facilities at the deepwater port the licensee must submit applications for private aids to navigation.

(c) Applications for private aids to navigation for deepwater ports must be submitted in accordance with § 66.01-5 of this chapter except that the applications must be submitted to the Commandant (G-M).

[CGD 75-002, 40 FR 52565, Nov. 10, 1975, as amended by CGD 88-052, 53 FR 25121, July 1, 1988]

SPECIFICATIONS FOR LIGHTS

§ 149.721 Light source.

Each light must have a tungsten-incandescent light source.

§ 149.723 Intensity.

(a) Each light on a buoy, hose string, and SPM must:

(1) Have at least the effective intensity required by this subpart for the light at all angles, the origin of which is the focal point of the light, that are included within $\pm 1^\circ$ from the focal plane of the light; and

(2) Have at least 50% of the effective intensity required by this subpart for the light at all angles, the origin of which is the focal point of the light, that are included within $\pm 2^\circ$ from the focal plane of the light.

(b) Each light on a platform, including the rotating lighted beacon, must:

(1) Have at least the effective intensity required by this subpart at all angles within $\pm 0.5^\circ$ of the horizontal plane that includes the focal point of the lens; and

(2) Have at least 50% of the effective intensity required by this subpart for the light at angles within $\pm 1^\circ$ of the horizontal plane that includes the focal point of the lens.

§ 149.724 Focus.

Each light using a lens must have a means to verify that the light source is at the focal point of the lens.

§ 149.725 Color.

The transparent cover of each light, including, where applicable, the top of the cover, must be uniform in color.

§ 149.727 Chromaticity.

The color emitted by a light at all angles, within the 50% effective intensity angle under § 149.723 must have chromaticity coordinates lying within the boundary defined by the corner coordinates in Table 149.727 when plotted on the International Commission on Illumination (CIE) Standard Observer Diagram.

TABLE 149.727—CHROMATICITY COORDINATES

Color	Chromaticity coordinates	
	x axis	y axis
White	0.285	0.332
	.453	.440
	.500	.440
	.500	.382
	.440	.382
	.285	.264
Green009	.720
	.284	.520
	.207	.397
	.013	.494
Red665	.335
	.645	.335
	.680	.300
	.700	.300
Yellow560	.440
	.555	.435
	.612	.382
	.618	.382

§ 149.729 Display of information.

(a) The following information must be displayed on each light:

(1) The manufacturer's name and date of manufacture.

(2) The model designation.

(3) The name of the manufacturer of the lamp to be used, and the manufacturer's ordering code for the lamp.

(4) The minimum voltage, measured at the input terminals of the lighting apparatus with the lamp burning, needed to operate the light in compliance with the intensity requirements of this subpart.

(b) The following information must be displayed on each rotating lighted beacon:

(1) The information prescribed in paragraph (a) of this section.

(2) The operating speed of the rotating apparatus.

(3) The type and level of electrical input required to maintain the operating speed.

OBSTRUCTION LIGHTS

§ 149.751 Number and location on a platform and SPM.

(a) A platform that is 30 feet or less on any side, or in diameter, must have at least one obstruction light.

(b) An SPM must have at least one obstruction light.

(c) A platform that is more than 30 feet but less than 50 feet on any side, or in diameter, must have at least two obstruction lights that are installed as far apart from each other on the platform as possible.

(d) A platform that is more than 50 feet on any one side must have one obstruction light installed on each corner.

(e) A circular platform that has a diameter of more than 50 feet must have at least 4 obstruction lights that are installed as far apart from each other on the platform as possible.

(f) At least one of the obstruction lights on each platform and SPM must be visible from the water regardless of the angle of approach to the structure.

(g) If a platform or SPM has more than one obstruction light, the lights must all be installed in the same horizontal plane.

(h) Each obstruction light on a platform must be installed at least 20 feet above mean high water.

(i) Each obstruction light on an SPM must be installed at least 10 feet above the water.

§ 149.753 Number and location on a floating hose string.

A floating hose string must have omnidirectional obstruction lights that are:

(a) Installed at equally spaced intervals of not more than 70 feet along the length of the hose string, except that the two sections of hose furthest from the SPM need not have lights; and

(b) Installed all at the same height and at no less than 2 nor more than 5 feet above the surface of the water.

§ 149.755 Characteristics.

(a) Each obstruction light on a platform or SPM must:

(1) Be white; and

(2) Flash 50 to 70 times per minute.

(b) If a platform or SPM has more than one obstruction light, the lights must flash simultaneously.

(c) Each obstruction light on a hose string must:

(1) Be yellow; and

(2) Flash 50 to 70 times per minute.

§ 149.757 Intensity.

(a) Each obstruction light on a platform must have an effective intensity of at least 75 candela.

(b) Each obstruction light on an SPM must have an effective intensity of at least 15 candela.

(c) Each obstruction light on a hose string must have an effective intensity of at least 1 candela.

§ 149.759 Leveling.

Each obstruction light installed on a platform must have:

(a) Mounting hardware incorporating devices that facilitate horizontal leveling of the light; and

(b) A leveling indicator, or indicators, each with an accuracy of ± 0.25 degrees, permanently attached to the light.

BUOYS

§ 149.771 Number and location.

Each lateral boundary of a traffic lane at a deepwater port must be marked with buoys that are no more than 5 miles apart.

§ 149.773 Characteristics.

(a) Each buoy at a deepwater port must:

(1) Meet the requirements in § 62.25 of this chapter for buoys in United States waters; and

(2) Have:

(i) A radar reflector; and

(ii) A light installed at least 8 feet above the water.

(b) For each traffic lane, the buoy that is furthest from the safety zone