

**WAC 296-304-06003 Illumination.** (1) All means of access and walkways leading to working areas as well as the working areas themselves must be adequately illuminated.

(a) For landside areas, you must provide illumination that meets the levels set forth in Table F-2.

**Table F-2  
Minimum Lighting Intensities in  
Foot-Candles**

Lumens (foot-candles)	Area or operation
3	General areas on vessels and vessel sections such as accessways, exits, gangways, stairs, and walkways.
5	General landside areas such as corridors, exits, stairs, and walkways.
5	All assigned work areas on any vessel or vessel section.
5	Landside tunnels, shafts, vaults, pumping stations, and underground work areas.
10	Landside work areas such as machine shops, electrical equipment rooms, carpenter shops, lofts, tool rooms, warehouses, and outdoor work areas.
10	Changing rooms, showers, sewer toilets, and eating, drinking, and break areas.
30	First-aid stations, infirmaries, and offices.

**Note to Table F-2:** The required illumination levels in this table do not apply to emergency or portable lights.

(b) For vessels and vessel sections, you must provide illumination that meets the levels set forth in the table to (a) of this subsection or meet ANSI/IESNA RP-7-01.

(c) When adequate illumination is not obtainable by permanent lighting sources, temporary lighting may be used as supplementation.

(d) You must ensure that neither matches nor open-flame devices are used for lighting.

(2) Temporary lights must meet the following requirements:

(a) Temporary lights must be equipped with guards to prevent accidental contact with the bulb, except that guards are not required when the construction of the reflector is such that the bulb is deeply recessed;

(b) Temporary lights must be equipped with heavy duty electric cords with connections and insulation maintained in safe condition. Temporary lights must not be suspended by their electric cords unless cords and lights are designed for this means of suspension. Splices must have insulation with a capacity that exceeds that of the original insulation of the cord; and

(c) Cords must be kept clear of working spaces and walkways or other locations in which they are readily exposed to damage.

(3) Exposed noncurrent-carrying metal parts of temporary lights furnished by you must be grounded either through a third wire in the

cable containing the circuit conductors or through a separate wire which is grounded at the source of the current. Grounding must be in accordance with the requirements of WAC 296-304-08003(2).

(4) Where temporary lighting from sources outside the vessel is the only means of illumination, portable emergency lighting equipment must be available to provide illumination for safe movement of employees. If natural sunlight provides sufficient illumination, portable or emergency lights are not required.

(5) Employees must not be permitted to enter dark spaces without a suitable portable light. The use of matches and open flame lights is prohibited. In nongas free spaces, portable lights must meet the requirements of WAC 296-304-02005 (2)(i).

(6) Temporary lighting stringers or streamers must be so arranged as to avoid overloading of branch circuits. Each branch circuit must be equipped with overcurrent protection of capacity not exceeding the rated current carrying capacity of the cord used.

(7) Explosion-proof, self-contained lights. You must provide and ensure that each employee uses only explosion-proof, self-contained temporary and portable lights, approved for hazardous conditions by a nationally recognized testing laboratory (NRTL), in any area that the atmosphere is determined to contain a concentration of flammable vapors that are at or above ten percent of the lower explosive limit (LEL).

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 17-18-075, § 296-304-06003, filed 9/5/17, effective 10/6/17. Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060, and chapter 49.17 RCW. WSR 12-12-060, § 296-304-06003, filed 6/5/12, effective 8/1/12. Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, and 49.17.060. WSR 03-04-099, § 296-304-06003, filed 2/4/03, effective 8/1/03; Order 74-25, § 296-304-06003, filed 5/7/74.]