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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

CJ/T 457-2014

Replacing CJ/T 3076-1998

**Technical requirements for high-mast lighting installation
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces CJ/T 3076-1998 "high pole lighting facilities technical conditions." this standard is CJ/T 3076-1998 "high pole lighting technology conditions" revision, compared with the CJ/T 3076-1998 main technology the changes are as follows.

- Increasing the mechanical transmission in tilted pole lighting (see 3.1.3, 4.7 and 5.4);
- Added general requirements (see Chapter 4);
- Increase the requirements of light electrical appliances (see 4.4.1);
- Increased high pole lighting LED and other new light source (see 4.4.3);
- Increasing the fixed pole lighting climbing device (see 4.5 and 5.2);
- Increasing the anti-corrosion treatment technology in the spray process (see 4.8.1, 4.8.2 and 5.5.4);
- Increased high pole lighting wireless remote control (see 4.9.6 and 5.6.3);
- Revised pole lighting pole height (see Chapter 1, 1998 edition Chapter 1);
- Modify the sealing performance of lighting (see 4.4.2, 1998 version 5.3.5);
- Modify the anti-corrosion treatment technology hot-dip galvanizing and hot dip aluminizing process (see 4.8.1, 4.8.2, 5.5.1 and 5.5.2, 1998 edition 5.6.1 and 5.6.2);
- Modify the quality requirements of the welding rod (see 5.1.5, 5.1.6, 5.1.7, 1998 version 5.2.5 and 5.2.8);

- Modify the requirements of the light pole (see 5.1.9, 1998 version 5.2.9);
- Modify the anti-corrosion treatment technology in the painting process (see 5.5.3, 1998 version 5.6.4);
- Modify the anticorrosive treatment in the anti-corrosion treatment dressing requirements (see 5.5.5.1, 1998 version 5.6.5);
- Remove the anti-corrosion technology in the thermal spraying process (see 1998 version 5.6.3);
- Deleted part of the pole lighting infrastructure (see 1998 version 5.9).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Road and Bridge Standardization Technical Committee.

1 Scope

This standard specifies the pole lighting facilities product classification and type, general requirements,, test methods, inspection rules and signs, packages Loading, transportation and storage.

This standard applies to pole height greater than or equal to 20m and less than or equal to 50m, as the city roads, highways, squares, stadiums, Airport, port terminals and other large lighting pole lighting facilities.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 699 high-quality carbon structural steel GB/T 700 carbon structural steel GB/T 1220 stainless steel rod GB/T 1591 low-alloy high-strength structural steel GB/T 3766 Hydraulic System General Specifications GB/T 3811 crane design specifications Paints and varnishes - Determination of film hardness by pencil method Luminaires - Part 1. General requirements and tests Road and street lighting security requirements GB 7000.7-2005 cast light lamps safety requirements Luminaires - Part 2-1. Particular requirements for fixed universal luminaires GB 7000.201-2008 GB/T 7935 hydraulic components General technical conditions GB 8918 important purpose wire rope GB/T 9286 Paints and varnishes - Cross-hatch test GB/T 9944 stainless steel wire rope GB/T 11345 Weld non-destructive testing ultrasonic testing techniques, testing levels and assessment GB/T 12467 (all parts) welding quality requirements of metallic materials GB/T 13148 stainless steel clad steel

welding technology requirements GB/T 13259 high-pressure sodium lamp GB/T 13912
metal - coated steel parts hot - dip galvanized coating technical requirements and test
methods Safety of machinery - Stationary installation into machines - Part 4. Stationary
ladders GB/T 18592 Metallic coatings - Hot dip aluminized steel products - Technical
conditions GB/T 18661 metal halide lamp (sodium scandium series) GB 19573 high
pressure sodium lamp energy efficiency limit value and energy efficiency rating GB 19574
high pressure sodium lamp ballast energy efficiency limit value and energy conservation
rating GB.20053 metal halide lamp ballast energy efficiency limit value and energy
efficiency rating GB.20054 metal halide lamp energy efficiency limit value and energy
efficiency rating