 5	Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL Chapter: 01 - Yale Design Standard Division: Electrical Standards	Section: 26 56.00 Exterior Lighting
		Date: 6/15/16
		Author: Office of Facilities
CC: Project Folder		

## Change History

Date	Description of Change	Pages / Sections Modified	Change Approver Initials
6/15/16	Updated division section from 16522 to 26 56 00, removed references to other section	-	mgl44

### A. Summary

This section contains design criteria for general, exterior-use luminaires and poles.

### B. System Design and Performance Requirements

1. Design and locate all exterior luminaires to minimize damage from vandalism.
2. Design and locate all exterior luminaires to minimize illumination of adjoining private property not owned by Yale University or its affiliates.
3. Design exterior luminaires, poles, and foundations to withstand sustained winds of minimum 90 miles per hour.
4. Avoid luminaires that use unusual lamps. Unless justified by specific design conditions, restrict lamp types to those described in [Standard: Interior Lighting](#).
5. Avoid custom fixtures; however, minor modifications to stock fixtures are acceptable.


### C. Submittals

Submit the following design and construction documentation.

1. **Designer Submittals**  
Submit catalog cuts.
2. **Construction Documents**  
Submit shop drawings and product data.

### D. Product Standards

Ensure that all products conform to the following standards:

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- NEMA FA1, Outdoor Floodlighting Equipment
- UL 1570, Fluorescent Lighting Fixtures
- UL 1571, Incandescent Lighting Fixtures
- UL 1572, High-Intensity Discharge Lighting Fixtures

## E. Manufacturers

Select luminaires that contribute to the aesthetic appeal of Yale University facilities while maintaining high standards of quality, energy efficiency, maintainability, and cost-effectiveness. The following manufacturers offer such features. However, this list does not exclude other manufacturers who, based on the experience of design professionals, might also produce acceptable luminaires.


1. Area and flood lights:
  - Holophane
  - Hubbell
  - Lumark
  - McGraw-Edison
  - Moldcast
  - Ruud
2. Decorative, high-intensity discharge lighting:
  - Architectural Area Lighting
  - Hadco
  - Hanover
  - Herwig
  - Sentry

## F. Materials

Use aluminum poles and stainless steel hardware (including the grounding screw). Do not use break-away poles unless the poles are located adjacent to vehicular thoroughfares and are in accordance with AASHTO guidelines.

## G. Equipment

1. Use at least two feet of flexible cord to connect luminaires that are movable for aiming or relamping to an adjacent junction box. Specify fittings for strain relief.

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2. Do not provide luminaires with fuses.

## H. Installation Guidelines

Install walkway lighting fixtures in accordance with standard detail, Walkway Lighting Details.

## I. Cleaning and Adjusting

Clean and adjust luminaires at the end of the construction period. If necessary, aim the lights after dark.

**“END OF SECTION”**