

## SECTION 26 51 13.13

## UNDER-CABINET LIGHTING SYSTEM

## PART 1 - GENERAL

## 1.1 CONDITIONS AND REQUIREMENTS

- A. The General Conditions, Supplementary Conditions, and Division 01 – General Requirements apply.

## 1.2 SECTION INCLUDES

- A. Under-cabinet lighting system.

## 1.3 RELATED SECTIONS

*Specifier Note: In this article, specify work specified in other sections that is related to work of this section.*

- A. Division 26 - Electrical: Electrical systems and components.

*Specifier Note: The following paragraph is a sample that may be used in this article. Add to or delete from the following as appropriate for the specific project.*

- B. Section [xxxxx] – [Section Title]: [Include brief description of work specified in another section that is related to the work of this section.]

## 1.4 SUBMITTALS

*Specifier Note: In this article, specify various types of data to be furnished by the contractor before, during, or after construction. Topics included in this article are: product data, shop drawings, samples, design data, test reports, certificates, manufacturers' instructions, manufacturers' field reports, qualification statements, and closeout submittals.*

- A. Submit under provisions of Section [01 33 00] [\_\_\_\_\_].
- B. Product Data: Submit for each type of product specified.
- C. Samples: Submit one (1) [\_\_\_\_\_] sample for each type of under-cabinet lighting system component specified with required color and finish. Show standard color and finish ranges available.

## 1.5 QUALITY ASSURANCE

*Specifier Note: In this article, describe qualifications, regulatory requirements, certifications, field samples, mock-ups, and pre-installation meetings.*

- A. Manufacturer Qualifications: Firms regularly engaged in manufacture of under-cabinet lighting system components of the types and sizes required, whose products have been in satisfactory use in similar service for not less than 10 years.
- B. Source Limitations: Obtain each type of under-cabinet lighting system component through one (1) source from a single manufacturer.
- C. Under-Cabinet Lighting System Components: Listed and labeled by cETLus.

## 1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver under-cabinet lighting system components in factory labeled packages.

- B. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
- C. Protect from damage due to weather, excessive temperature, and construction operations.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Basis-of-Design Product: The design for under-cabinet lighting system components is based on products manufactured by legrand®/adorne™, 60 Woodlawn Street, West Hartford, CT 06110; toll-free 877-295-3472, telephone 877-295-3472, Web Site: [www.legrand.us/adorne](http://www.legrand.us/adorne).
- B. Substitutions will be considered under provisions of Section 01 25 00.

### 2.2 UNDER-CABINET LIGHTING SYSTEM

*Specifier Note: Retain as many of the following products as required for a specific project and delete the others.*

- A. Under-Cabinet Lighting System: Modular, fully customizable system of components that can be either hard-wired or plugged into any home wiring configuration. Designed for use in kitchens, offices, hospitality, and healthcare applications.
- B. Modular Tracks:

*Specifier Note: Retain the type of modules required for a specific project and delete the others. If a project requires multiple modules include a schedule at the end of this section.*

1. 12" Modular Track: adorne™ Part No. APMT12TM2; 12-inch length includes one (1) outlet module and one (1) blank module; capable of supporting up to two (2) LED lights; provides 120V power via 15A outlet modules and 20A pass-through; module openings on six (6) inch centers; outlets are tamper resistant and ETL Listed.
2. 18" Modular Track: adorne™ Part No. APMT18TM4; 18-inch length includes one (1) outlet module and one (1) blank module; capable of supporting up to two (2) LED lights; provides 120V power via 15A outlet modules and 20A pass-through; module openings on nine (9) inch centers; outlets are tamper resistant and ETL Listed.
3. 27" Modular Track: adorne™ Part No. APMT27TM2; 27-inch length includes two (2) outlet modules and one (1) blank module; capable of supporting up to three (3) LED lights; provides 120V power via 15A outlet modules and 20A pass-through; module openings on nine (9) inch centers; outlets are tamper resistant and ETL Listed.
4. Short Modular Track: adorne™ Part No. APST9TM1; for use with narrow single cabinets; back feed power from in-wall wiring; 10-1/4-inch length with end caps; tamper resistant; ETL Listed.
5. 18" Modular Track Extender: adorne™ Part No. APME18TM2; 18-inch length blank module enables a perfect fit in any room; cut to length (minimum of six (6) inches); attach to end of modular track; does not contain any module openings; ETL Listed.
6. Modular Track Corner Connector: adorne™ Part No. APCCTM4; use with installations that include a right-angle corner to connect two (2) modular tracks;

allow three (3) inches on each side for installations with corner connectors; ETL Listed.

*Specifier Note: Every under-cabinet lighting system must include one of the below control boxes or direct wire connector. Retain the type of control boxes as required for a specific project and delete the others.*

C. Control Boxes:

1. Control Box with Paddle Dimmer: adorne™ Part No. APCB1TM4; connects to existing in-wall wiring; fits onto end of modular track, adding five (5) inches onto system length; includes adorne™ Paddle Dimmer Part No. ADPD453LM2 rated for 450W CFL/LED; GFCI protection must be provided at electrical panel; ETL Listed.
2. Control Box with Paddle Dimmer and 15A GFCI: adorne™ Part No. APCB2TM2; connects to existing in-wall wiring; fits onto end of modular track, adding 5-1/4 inches onto system length; includes adorne™ Paddle Dimmer Part No. ADPD453LM2 rated for 450W CFL/LED and 15A tamper-resistant GFCI outlet adorne™ Part No. AGFTR153M4; ETL Listed.
3. Plug-In Control Box: adorne™ Part No. APCB3TM4; snaps into any module opening on track and plugs into an existing outlet to provide system power; cord length of 24 inches can easily be shortened to match distance from outlet to modular track; ETL Listed.
4. One-Gang Control Box, No Devices: adorne™ Part No. APCB5TM1; connects to existing in-wall wiring; fits onto end of modular track, adding five (5) inches onto system length; customizes with choice of adorne™ dimmers, switches, or outlets; ETL Listed.
5. Two-Gang Control Box, No Devices: adorne™ Part No. APCB4TM1; connects to existing in-wall wiring; fits onto end of modular track, adding 5-1/4 inches onto system length; customizes with choice of adorne™ dimmers, switches, or outlets; ETL Listed.
6. Direct Wire Connector: adorne™ Part No. APDWCTM1; enables direct wire feed of power from in-wall wiring, eliminating need for a control box; connector is six (6) inches in length; ETL Listed.

*Specifier Note: Retain the type of LED lights as required for a specific project and delete the others.*

D. LED Lights:

1. LED Puck Light: adorne™ Part No. ALPKLEDTM4; seven (7) watts, 240 lumens; Correlated Color Temperature - 3000 degrees Kelvin, Color Rendering Index - 95; can be paired with adorne™ Part No. ADPD453L CFL/LED Paddle Dimmer to enable dimming; ETL Listed.
2. LED Linear Light: adorne™ Part No. ALLNLEDTM4; eight (8) watts, 280 lumens; Correlated Color Temperature - 3000 degrees Kelvin, Color Rendering Index - 95; Energy Star Certified; can be paired with adorne™ Part No. ADPD453L CFL/LED Paddle Dimmer to enable dimming; ETL Listed.
3. Light Extender: adorne™ Part No. ALEXTLEDTM4; enables adorne™ LED lights to be mounted up to 22 inches from backsplash by extending cord length beyond default 11 inches; ideal for corner cabinet installations; ETL Listed.

*Specifier Note: Retain the type of modules and accessories as required for a specific project and delete the others.*

- E. Modules and Accessories:
1. 15A Outlet Module: adorne™ Part No. APTR15TM4; provides two (2) power outlets by snapping into any module opening; tamper-resistant outlet designed with patented shutter system; included with 12-inch, 18-inch, and 27-inch module tracks; rated 15A, 120V; ETL Listed.
  2. USB Outlet Module: adorne™ Part No. APUSB2TM4; provides two (2) USB charging ports for devices such as mobile phones and tablets by snapping into any module opening; does not include charging cable; rated 2.1A, 5V; ETL Listed.
  3. Mobile Phone Cradle: adorne™ Part No. AAPCTM4; attaches anywhere along track to hold a mobile phone; use with USB outlet mobile while charging devices.
  4. Tablet Cradle: adorne™ Part No. AATCTM4; attaches anywhere along track to hold a tablet; use with USB outlet mobile while charging devices.
  5. Digital Music Kit: adorne™ Part No. AUDMTM1; includes two (2) inch full range drivers; digital signal processing for full, rich sound; Bluetooth® wireless technology is A2DP compatible; also includes USB charging capability; ETL Listed.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

*Specifier Note: Retain one (1) of the options in the first paragraph below and delete the other one.*

- A. Examine conditions under which under-cabinet lighting components are to be installed. Notify the [Architect/Engineer] [Construction Manager] in writing of conditions detrimental to proper completion of the work. Do not proceed with work until unsatisfactory conditions have been corrected.

#### 3.2 INSTALLATION

- A. Strictly comply with manufacturer's installation instructions and recommendations. Coordinate installation with adjacent work to ensure proper clearances and to prevent electrical hazards.

*Specifier Note: The under-cabinet lighting system can also be installed in front of wall finishes such as stone, tile, marble, etc. Retain either or both of the options in the following paragraph.*

- B. Install under-cabinet lighting system [at underside of wall-mounted cabinets] [in front of wall finishes].
1. Do not install under-cabinet lighting system directly above any direct heat or open flame source.
  2. Do not install under-cabinet lighting system in a high moisture content environment.
- C. Repair wall finishes and reinstall under-cabinet lighting components that do not fit flush.

#### 3.3 CLEANING AND PROTECTION

- A. Clean exposed surfaces using non-abrasive materials and methods recommended by manufacturer.
- B. Protect under-cabinet lighting components until acceptance.

END OF SECTION

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