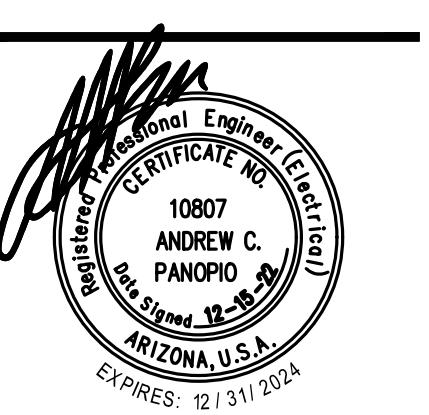
**MESA RIVERVIEW APARTMENTS**

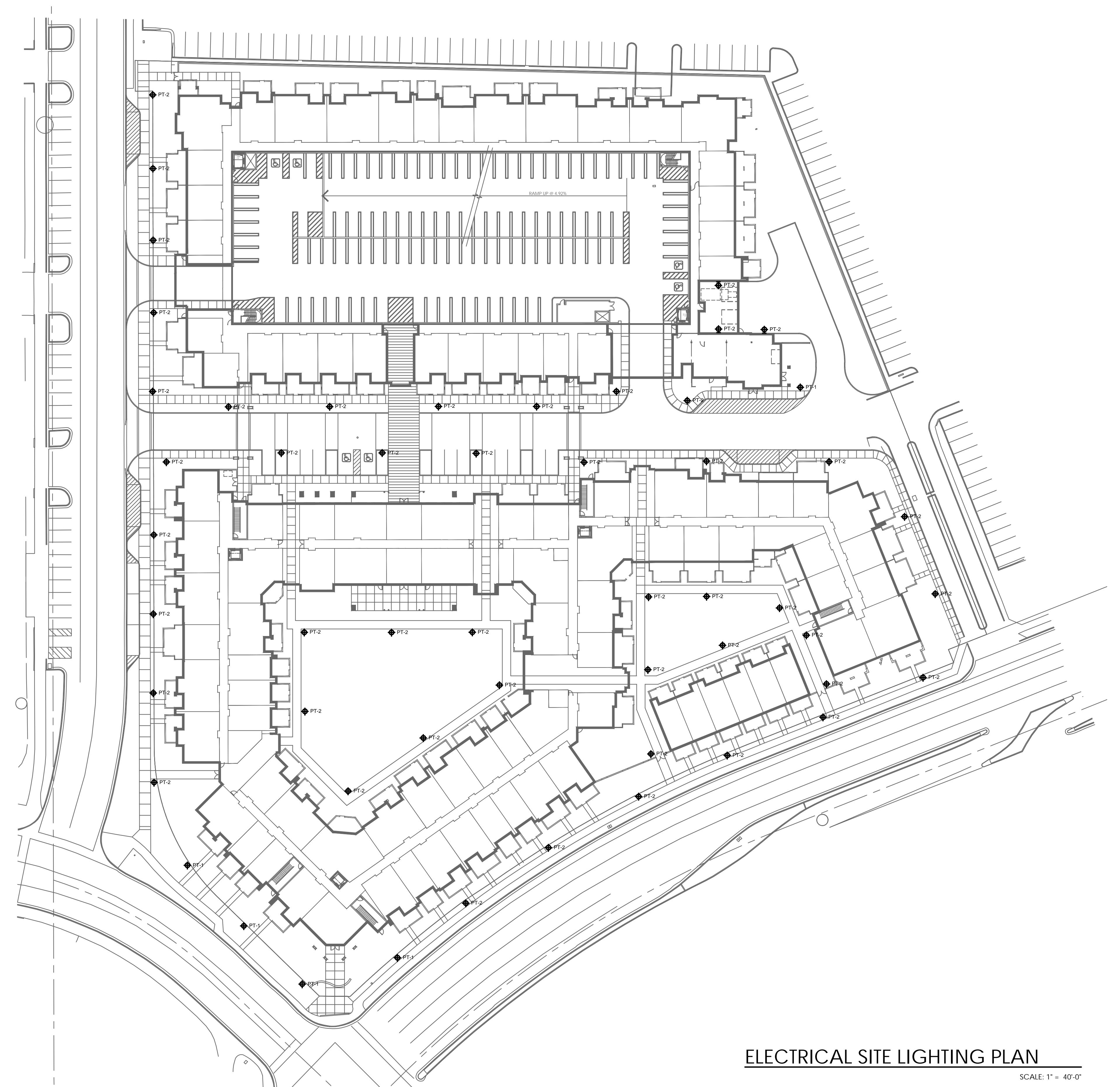
ELECTRICAL SITE LIGHTING PLAN
MESA, AZ



NP ENGINEERING INC.
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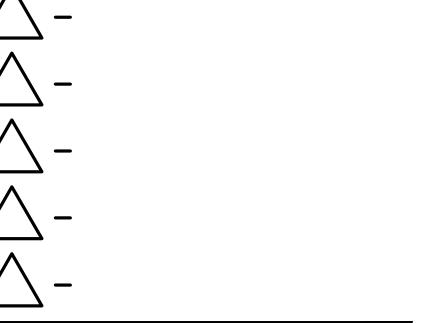
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NP Proj. No: 2022-147
Project Manager: RP
Drawn by: JCS
Date: 11/07/22

E1





MESA RIVERVIEW APARTMENTS

MESA, AZ

ELECTRICAL SITE LIGHTING CUT-SHEETS

Opulence Small Post Top (OPS)
Outdoor Decorative Post Top

Catalog #: Project: _____
Prepared By: _____ Date: _____ Type: PT-1



OVERVIEW

Lumen Output Range	3,000 - 14,000
Wattage	20 - 100
Efficacy Range (LPW)	114 - 148
Fixture Weight lbs (kg)	25.0 (11.3)

QUICK LINKS

- [Ordering Guide](#)
- [Performance](#)
- [Photometrics](#)
- [Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.

Optical System

- High density LED optical system delivers industry-leading optical performance and visual comfort.
- 7 distribution types 3W, 4F, 5Q, 5C, 5R, 5D & AD.
- Diffused lens version provides maximum visual comfort with reduced brightness and LED pixelization.
- Available in 5000K, 4000K, 3500K, 3000K and 2700K color temperatures per ANSI C78.377.
- Minimum CRI of 80
- External Shield available for field installation (see accessory ordering information and dimensions for details).

Electrical

- High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection (6kV surge standard).
- 0-10V dimming driver (optional extended leads).

Controls

- Integral passive infrared Bluetooth™ motion and photocell sensor options. Function operates independently and can be commissioned via an iOS or Android configuration app.
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

Installation

- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Power factor: >90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- Optional flush mount accessory slips inside the top of a 4" round pole for a virtually seamless transition from pole to luminaire.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K and warmer color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- ZG rated for ANSI C136.31 high vibration applications.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/GPL to confirm which versions are qualified.

Dimensions

OVERVIEW

Lumen Output Range	3,000 - 14,000
Wattage	20 - 100
Efficacy Range (LPW)	114 - 148
Fixture Weight lbs (kg)	25.0 (11.3)

QUICK LINKS

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- ZG rated for ANSI C136.31 high vibration applications.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/GPL to confirm which versions are qualified.

Dimensions

Opulence Small Post Top (OPS)
Outdoor Decorative Post Top

Catalog #: Project: _____
Prepared By: _____ Date: _____ Type: PT-2



OVERVIEW

Lumen Output Range	3,000 - 14,000
Wattage	20 - 100
Efficacy Range (LPW)	114 - 148
Fixture Weight lbs (kg)	25.0 (11.3)

QUICK LINKS

- [Ordering Guide](#)
- [Performance](#)
- [Photometrics](#)
- [Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- Total harmonic distortion: <20%
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- Optional flush mount accessory slips inside the top of a 4" round pole for a virtually seamless transition from pole to luminaire.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K and warmer color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- ZG rated for ANSI C136.31 high vibration applications.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/GPL to confirm which versions are qualified.

Dimensions

Opulence Small Post Top
Type: PT-1

ORDERING GUIDE

[Back to Quick Links](#)

TYPICAL ORDER EXAMPLE: OPS PT 8L 5Q UNV 40K8 BLK ALBCS1

Prefix	Mounting	Lumen Package*	Distribution
OPS - Opulence Small	PT - Post Top (2 3/8" 3" Tenon)	3L - 3,000 Lumens SL - 5,000 Lumens BL - 6,000 Lumens BQ - 8,000 Lumens TL - 10,000 Lumens 12L - 12,000 Lumens 14L - 14,000 Lumens	SC - Type 5 Square SC - Type 5 Concentrated SR - Type 5 Rectangular SP - Type 5 Plug (Row) AF - Type 4 Forward (Row) SD - Type 5 Diffused AD - Asymmetric Diffused

Voltage

UNV - Universal Voltage (120-277V)	50K8 - 5,000 CCT - 80 CRI	BRZ - Dark Bronze	Finish	Controls
HV - High Voltage (347-480V)	40K8 - 4,000 CCT - 80 CRI	BLK - Black	(Blank) - None	Wireless Controls System
	35K8 - 3,500 CCT - 80 CRI	GMG - Gun Metal Gray		ALBCS1 - ArtLink Blue Wireless Motion & Photo Sensor Controller (8-24 MHz)
	30K8 - 3,000 CCT - 80 CRI	GPT - Graphite		ALBCS2 - ArtLink Blue Wireless Motion & Photo Sensor Controller (25-40 MHz)
	27K8 - 2,700 CCT - 80 CRI	MSV - Metallic Silver		
		PLP - Platinum Plus		
		WHT - White		

Accessory Ordering Information

CONTROLS ACCESSORIES

Description	Order Number
Twist Lock Photocell (120V for use with CRTP)	122511
Twist Lock Photocell (208-277V for use with CRTP)	122515
Twist Lock Photocell (347V for use with CRTP)	122516
Twist Lock Photocell (480V for use with CRTP)	122518
AirLink 5 Pin Twist Lock Controller	661409
AirLink 5 Pin Twist Lock Controller	661410
Steering Cap for use with CRTP	149338

FUSING ACCESSORIES*

Description	Order Number
Single Fusing (120V)	FK120
Single Fusing (277V)	FK277
Double Fusing (480V)	DK480
Double Fusing (48V)	DK484

FOOTNOTES:

- 1 - 120-277V Only. Not available with 14L Lumen Package.
- 2 - Double fusing required for 208-277V. See Accessory Ordering Information.
- 3 - IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
- 4 - Accessories are shipped separately and field installed.
- 5 - Fixture must be located on hand hole of pole.
- 6 - CLP - Coated Finish. See Finish Options.

MOUNTING ACCESSORIES*

Description	Order Number
Internal Push Mount Adapter for 4" OD Round Pole	764020LR
Post Top Wall Mount Bracket	761587CLR
D180 Post Top Arm Bracket	761588CLR
Internal Tenon Adapter for 4" Square Pole	694630CLR
Internal Tenon Adapter for 5" Square Pole	694641CLR
AirLink 5 Pin Twist Lock Controller	661409
Internal Tenon Adapter for 5" Square Pole	694642CLR
Double Fusing Cap (4" Round Base)	482560CLR
10' Linear Bird Spike Kit (4' Recommended per Luminaire)	751632
EHS - External Shield (Black Finish Only)	781340

FUSING ACCESSORIES*

Description	Order Number
Single Fusing (120V)	FK120
Single Fusing (277V)	FK277
Double Fusing (480V)	DK480
Double Fusing (48V)	DK484

NOTES:

- 1 - 120-277V Only. Not available with 14L Lumen Package.
- 2 - Double fusing required for 208-277V. See Accessory Ordering Information.
- 3 - IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
- 4 - Accessories are shipped separately and field installed.
- 5 - Fixture must be located on hand hole of pole.
- 6 - CLP - Coated Finish. See Finish Options.

CONTROLS ACCESSORIES

Description	Order Number
Internal Push Mount Adapter for 4" OD Round Pole	764020LR
Post Top Wall Mount Bracket	761587CLR
D180 Post Top Arm Bracket	761588CLR
Internal Tenon Adapter for 4" Square Pole	694630CLR
Internal Tenon Adapter for 5" Square Pole	694641CLR
AirLink 5 Pin Twist Lock Controller	661409
Internal Tenon Adapter for 5" Square Pole	694642CLR
Double Fusing Cap (4" Round Base)	482560CLR
10' Linear Bird Spike Kit (4' Recommended per Luminaire)	751632
EHS - External Shield (Black Finish Only)	781340

MOUNTING ACCESSORIES*

Description	Order Number
Internal Push Mount Adapter for 4" OD Round Pole	764020LR
Post Top Wall Mount Bracket	761587CLR
D180 Post Top Arm Bracket	761588CLR
Internal Tenon Adapter for 4" Square Pole	694630CLR
Internal Tenon Adapter for 5" Square Pole	694641CLR
AirLink 5 Pin Twist Lock Controller	661409
Internal Tenon Adapter for 5" Square Pole	694642CLR
Double Fusing Cap (4" Round Base)	482560CLR
10' Linear Bird Spike Kit (4' Recommended per Luminaire)	751632
EHS - External Shield (Black Finish Only)	781340

Accessories

CONTROLS ACCESSORIES

Description	Order Number
Internal Push Photocell (120V for use with CRTP)	122514
Twist Lock Photocell (208-277V for use with CRTP)	122515
Twist Lock Photocell (347V for use with CRTP)	122516
Internal Tenon Adapter for 4" Square Pole	694630CLR
Internal Tenon Adapter for 5" Square Pole	694641CLR
AirLink 5 Pin Twist Lock Controller	661409
Internal Tenon Adapter for 5" Square Pole	694642CLR
Double Fusing Cap (4" Round Base)	482560CLR
10' Linear Bird Spike Kit (4' Recommended per Luminaire)	751632
EHS - External Shield (Black Finish Only)	781340

FUSING ACCESSORIES*

Description	Order Number
Single Fusing (120V)	FK120
Single Fusing (277V)	FK277
Double Fusing (480V)	DK480
Double Fusing (48V)	DK484

NOTES:

- 1 - 120-277V Only. Not available with 14L Lumen Package.
- 2 - Double fusing required for 208-277V. See Accessory Ordering Information.
- 3 - IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
- 4 - Accessories are shipped separately and field installed.
- 5 - Fixture must be located on hand hole of pole.
- 6 - CLP - Coated Finish. See Finish Options.

CONTROLS ACCESSORIES

Description	Order Number
Internal Push Photocell (120V for use with CRTP)	122514
Twist Lock Photocell (208-277V for use with CRTP)	122515
Twist Lock Photocell (347V for use with CRTP)	122516
Internal Tenon Adapter for 4" Square Pole	694630CLR
Internal Tenon Adapter for 5" Square Pole	694641CLR
AirLink 5 Pin Twist Lock Controller	661409
Internal Tenon Adapter for 5" Square Pole	694642CLR
Double Fusing Cap (4" Round Base)	482560CLR
10' Linear Bird Spike Kit (4' Recommended per Luminaire)	751632
EHS - External Shield (Black Finish Only)	781340

FUSING ACCESSORIES*

Description	Order Number
Single Fusing (120V)	FK120
Single Fusing (277V)	FK277
Double Fusing (480V)	DK480
Double Fusing (48V)	DK484

NOTES:

- 1 - 120-277V Only. Not available with 14L Lumen Package.
- 2 - Double fusing required for 208-277V. See Accessory Ordering Information.
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Single Fusing (120	