

# SOLID STATE AREA LIGHTING

## COLONIAL SERIES-LED

### SPECIFICATIONS

#### HOUSING

Durable, corrosion resistant, heavy cast low copper aluminum assembly (A356 alloy, <0.2% copper). Minimum wall thickness is .188". Traditional styling of the housing provided with cast aluminum housing top hinges for easy access. All hardware is stainless steel.

#### ✓LED<sup>®</sup> OPTICAL MODULE

Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire ✓LED<sup>®</sup> Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

#### LED EMITTERS

High Output LED's are driven at 350mA for nominal 1 Watt output each or 525mA (COL21 and COL18 only) for nominal 1.5 Watt output each. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

#### LED DRIVER

UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimming and High-Low Driver options available.

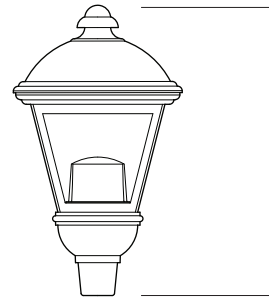
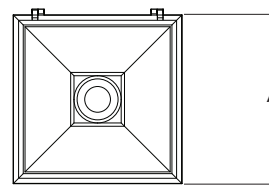
#### FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

PROJECT NAME **AMETHYST BROOK APARTMENTS**

FIXTURE TYPE:

**TYPE: SL2HS, SL2BHS**



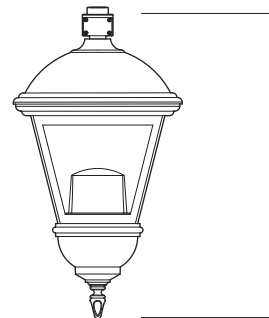
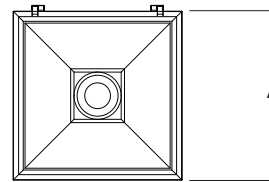
**COL**



PATENT PENDING

Fitter supplied to fit over 2 7/8" X 3" (73mm X 76mm) tennon.

FIXTURE	A	B
COL21-LED	21" 533mm	35" 889mm
COL18-LED	18" 457mm	31" 787mm
COL12-LED	12" 305mm	22" 559mm



**COL-PM-LED**



PATENT PENDING

FIXTURE	A	B
COL21-PM-LED	21" 533mm	36" 914mm
COL18-PM-LED	18" 457mm	32.5" 826mm
COL12-PM-LED	12" 305mm	24" 610mm



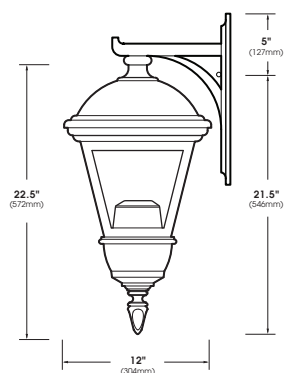
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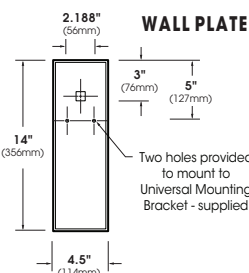
# COLONIAL SERIES - LED

## SPECIFICATIONS

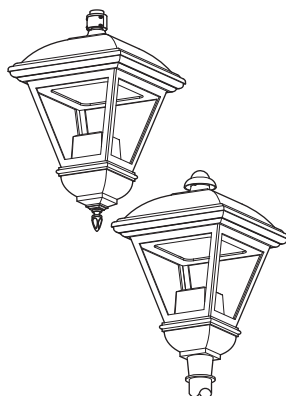
### WALL MOUNT



(COL12-WM shown)



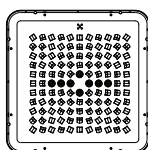
ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.



### COL21-LED

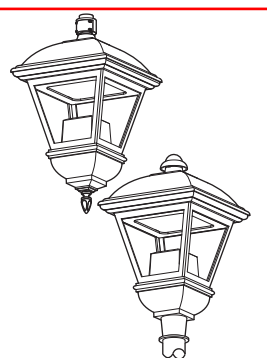
COL21 E.P.A. = 2.03  
COL21-PM E.P.A. = 1.93

Available in:  
120, 100, 80, & 64  
LED Module



120 LED Module

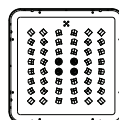
### VLED® MODULES



### COL18-LED

COL18 E.P.A. = 1.60  
COL18-PM E.P.A. = 1.55

Available in:  
64 & 48 LED Module



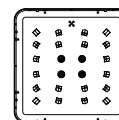
64 LED Module



### COL12-LED

COL12 E.P.A. = 0.90  
COL12-PM E.P.A. = 0.81

Available in:  
24 LED Module



24 LED Module

### MAX INPUT WATTAGE

# OF LED's	DRIVE CURRENT	350mA	525mA
120	130W	192W	
100	110W	164W	
80	85W	126W	
64	69W	103W	
48	55W	76W	
24	26W	-	

Spec/Order Example: COL21/VLED-VSQ/120LED CW/3-90/RAL7004/DF

SPEC / ORDERING INFORMATION						
LUMINAIRE	OPTICS	# of LED's	DRIVE CURRENT	COLOR TEMP - CCT	MOUNTING	FINISH
COL18-LED	VLED-II	48LED	350mA	WW	PT	RAL-XXXX-T
LUMINAIRE	OPTICS	LED		MOUNTING	FINISH	OPTIONS
LUMINAIRE	VLED®	# of LEDs	DRIVE CURRENT	COLOR TEMP - CCT	ARM MOUNT	STANDARD TEXTURED FINISH
<input type="checkbox"/> COL21-LED	<input type="checkbox"/> TYPE - II VLED - II	<input type="checkbox"/> COL21	<input type="checkbox"/> 350mA	<input type="checkbox"/> NW (4000K)*	<input type="checkbox"/> 1	<input type="checkbox"/> BLACK RAL-9005-T
<input type="checkbox"/> COL21-PM-LED	<input type="checkbox"/> TYPE - III VLED - III	<input type="checkbox"/> 100LED	<input type="checkbox"/> 525mA	<input type="checkbox"/> CW (5000K)*	<input type="checkbox"/> 2-180	<input type="checkbox"/> WHITE RAL-9003-T
	<input type="checkbox"/> TYPE - IV VLED - IV	<input type="checkbox"/> 80LED		<input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 2-90	<input type="checkbox"/> GREY RAL-7004-T
<input type="checkbox"/> COL18-LED	<input type="checkbox"/> TYPE - V-SQ VLED - VSQ	<input type="checkbox"/> COL18		OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 3-90	<input type="checkbox"/> DARK BRONZE RAL-8019-T
<input type="checkbox"/> COL18-PM-LED		<input type="checkbox"/> 64LED		VOLTAGE	<input type="checkbox"/> 3-120	<input type="checkbox"/> GREEN RAL-6005-T
		<input type="checkbox"/> 48LED		<input type="checkbox"/> 120	<input type="checkbox"/> 4-90	
				<input type="checkbox"/> 208		
				<input type="checkbox"/> 240		
				<input type="checkbox"/> 277		
				<input type="checkbox"/> 347		
				<input type="checkbox"/> 480		
<input type="checkbox"/> COL12-LED	<input type="checkbox"/> TYPE - ASYMMETRIC VLED - ASY	# of LEDs	COLOR TEMP - CCT	VOLTAGE	WALL MOUNT	FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9500)
<input type="checkbox"/> COL12-PM-LED	<input type="checkbox"/> TYPE - SYMMETRIC VLED - SYM	COL12	<input type="checkbox"/> NW (4000K)*	<input type="checkbox"/> 120	Refer to Sun Valley Lighting binder or website section - Arms/Wall Brackets	SEE USALTG.COM FOR ADDITIONAL COLORS
		<input type="checkbox"/> 24LED <sup>1</sup>	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 208		
		NOTES: 1 - 350mA ONLY	<input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 240		
			OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 277		
				<input type="checkbox"/> 347		
				<input type="checkbox"/> 480		
					POST TOP	
					<input type="checkbox"/> PT	



# SOLID STATE AREA LIGHTING

## COLONIAL SERIES-LED

### SPECIFICATIONS

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#### LED DRIVER

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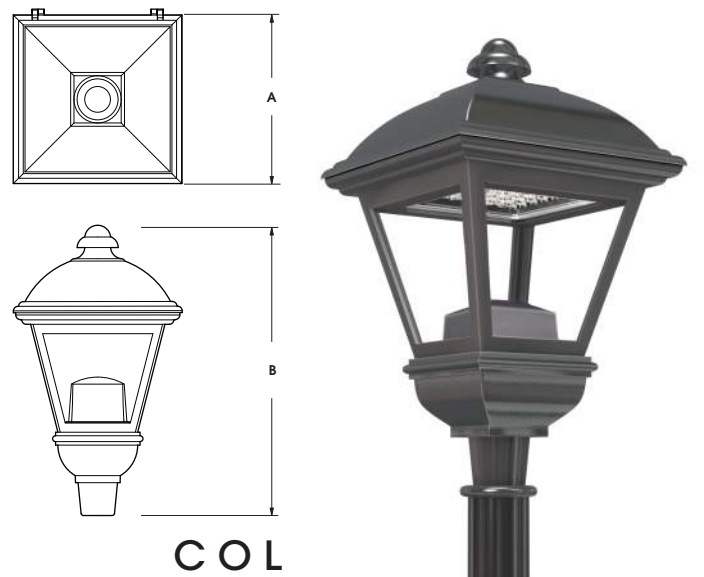
#### FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

PROJECT NAME **AMETHYST BROOK APARTMENTS**

FIXTURE TYPE:

**TYPE: SL4HS, SL4BHS**

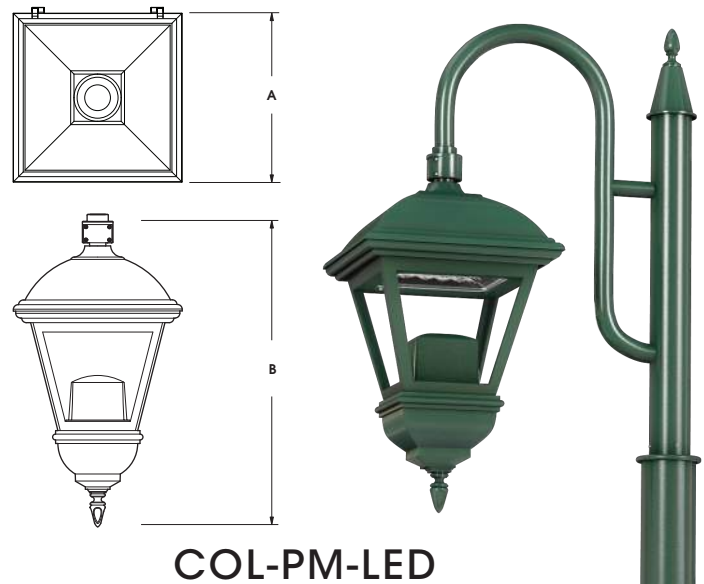


**COL**

PATENT PENDING

Fitter supplied to fit over 2 7/8" X 3" (73mm X 76mm) tennon.

FIXTURE	A	B
COL21-LED	21" 533mm	35" 889mm
COL18-LED	18" 457mm	31" 787mm
COL12-LED	12" 305mm	22" 559mm



**COL-PM-LED**

PATENT PENDING

FIXTURE	A	B
COL21-PM-LED	21" 533mm	36" 914mm
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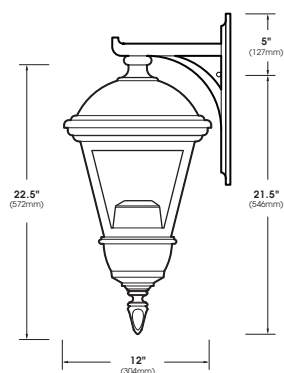
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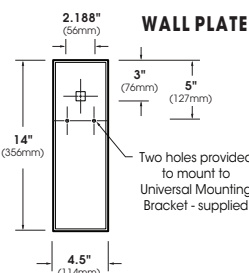
# COLONIAL SERIES - LED

## S P E C I F I C A T I O N S

### WALL MOUNT

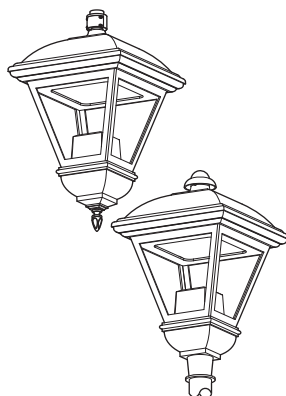


(COL12-WM shown)



ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.

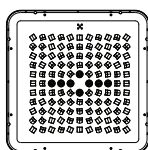
### VLED® MODULES



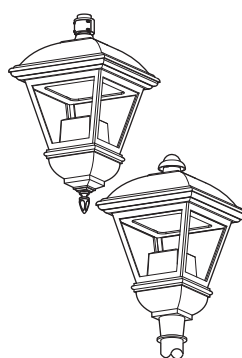
#### COL21-LED

COL21 E.P.A. = 2.03  
COL21-PM E.P.A. = 1.93

Available in:  
120, 100, 80, & 64  
LED Module



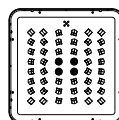
120 LED Module



#### COL18-LED

COL18 E.P.A. = 1.60  
COL18-PM E.P.A. = 1.55

Available in:  
64 & 48 LED Module



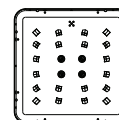
64 LED Module



#### COL12-LED

COL12 E.P.A. = 0.90  
COL12-PM E.P.A. = 0.81

Available in:  
24 LED Module



24 LED Module

### MAX INPUT WATTAGE

# OF LED's	DRIVE CURRENT	350mA	525mA
120	130W	192W	
100	110W	164W	
80	85W	126W	
64	69W	103W	
48	55W	76W	
24	26W	-	

Spec/Order Example: COL21/VLED-VSQ/120LED CW/3-90/RAL7004/DF

## S P E C / O R D E R I N G I N F O R M A T I O N

LUMINAIRE	OPTICS	# of LED's	DRIVE CURRENT	COLOR TEMP - CCT	MOUNTING	FINISH	OPTIONS
COL18-LED	VLED-IV	48LED	350mA	WW	PT	RAL-XXXX-T	HS
LUMINAIRE	OPTICS	LED			MOUNTING	FINISH	OPTIONS
LUMINAIRE	VLED®	# of LEDs	DRIVE CURRENT	COLOR TEMP - CCT	ARM MOUNT	STANDARD TEXTURED FINISH	
<input type="checkbox"/> COL21-LED	<input type="checkbox"/> TYPE - II VLED - II	<input type="checkbox"/> 120LED	<input checked="" type="checkbox"/> 350mA	<input type="checkbox"/> NW (4000K)* *STANDARD	<input type="checkbox"/> 1	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> INTERNAL HOUSE SIDE SHIELD.....HS
<input type="checkbox"/> COL21-PM-LED	<input type="checkbox"/> TYPE - III VLED - III	<input type="checkbox"/> 100LED	<input type="checkbox"/> 525mA	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 2-180	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V).....DIM
	<input checked="" type="checkbox"/> TYPE - IV VLED - IV	<input type="checkbox"/> 80LED		<input checked="" type="checkbox"/> WW (3000K)	<input type="checkbox"/> 2-90	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR.....HLSW
<input checked="" type="checkbox"/> COL18-LED	<input type="checkbox"/> TYPE - V-SQ VLED - VSQ	<input type="checkbox"/> 64LED		OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 3-90	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> 10KV SURGE PROTECTOR.....10SP
<input type="checkbox"/> COL18-PM-LED		COL18		VOLTAGE	<input type="checkbox"/> 3-120	<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only).....20SP
		<input type="checkbox"/> 64LED		<input type="checkbox"/> 120	<input type="checkbox"/> 4-90		<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V).....PC+V
		<input checked="" type="checkbox"/> 48LED		<input type="checkbox"/> 208			<input type="checkbox"/> TWIST LOCK PHOTOCELL RECEPTACLE ONLY.....TPR (COL21 & COL18 Only)
				<input type="checkbox"/> 240			<input type="checkbox"/> DOUBLE FUSE (208V, 240V).....DF
				<input type="checkbox"/> 277			
				<input type="checkbox"/> 347			
				<input type="checkbox"/> 480			
<input type="checkbox"/> COL12-LED	<input type="checkbox"/> TYPE - ASYMMETRIC VLED - ASY	# of LEDs	COLOR TEMP - CCT	VOLTAGE	WALL MOUNT Refer to Sun Valley Lighting binder or website section - Arms/Wall Brackets		
<input type="checkbox"/> COL12-PM-LED	<input type="checkbox"/> TYPE - SYMMETRIC VLED - SYM	COL12	<input type="checkbox"/> NW (4000K)* *STANDARD	<input type="checkbox"/> 120	<input type="checkbox"/> WM		
		<input type="checkbox"/> 24LED¹	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 208			
		NOTES: 1 - 350mA ONLY	<input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 240	POST TOP		
			OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 277	<input checked="" type="checkbox"/> PT	FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9500)	
				<input type="checkbox"/> 347		SEE USALTG.COM FOR ADDITIONAL COLORS	
				<input type="checkbox"/> 480			



# SOLID STATE AREA LIGHTING

## COLONIAL SERIES-LED

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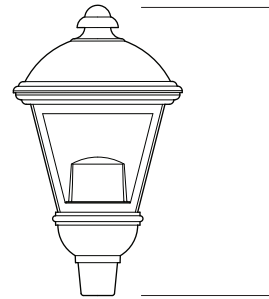
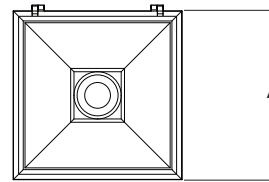
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PROJECT NAME **AMETHYST BROOK APARTMENTS**

FIXTURE TYPE:

**TYPE: SL5, SL5B**



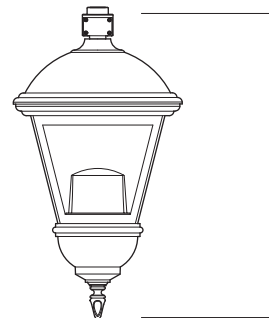
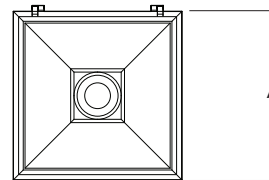
**COL**



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PATENT PENDING

FIXTURE	A	B
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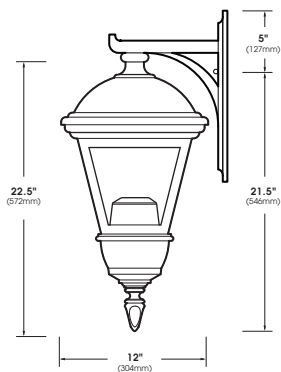




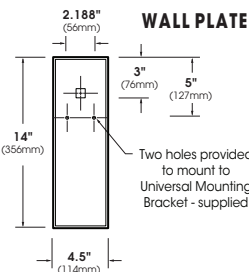
# COLONIAL SERIES - LED

## SPECIFICATIONS

### WALL MOUNT

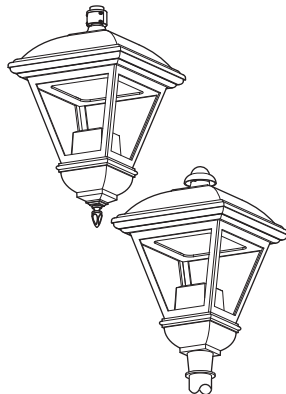


(COL12-WM shown)



ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.

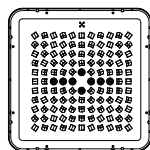
### VLED® MODULES



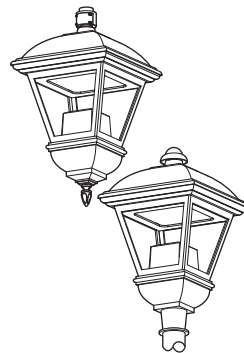
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COL21 E.P.A. = 2.03  
COL21-PM E.P.A. = 1.93

Available in:  
120, 100, 80, & 64  
LED Module



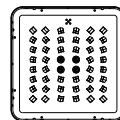
120 LED Module



#### COL18-LED

COL18 E.P.A. = 1.60  
COL18-PM E.P.A. = 1.55

Available in:  
64 & 48 LED Module



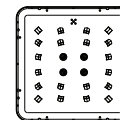
64 LED Module



#### COL12-LED

COL12 E.P.A. = 0.90  
COL12-PM E.P.A. = 0.81

Available in:  
24 LED Module










24 LED Module

### MAX INPUT WATTAGE

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24	26W	-	

Spec/Order Example: COL21/VLED-VSQ/120LED CW/3-90/RAL7004/DF

## SPEC / ORDERING INFORMATION

LUMINAIRE	OPTICS	# of LED's	DRIVE CURRENT	COLOR TEMP - CCT	MOUNTING	FINISH	OPTIONS
COL18-LED	VLED-VSQ	48LED	350mA	WW	PT	RAL-XXXX-T	
LUMINAIRE	OPTICS	LED	MOUNTING	FINISH	OPTIONS		
LUMINAIRE		# of LEDs	ARM MOUNT	STANDARD TEXTURED FINISH			
<input type="checkbox"/> COL21-LED	<input type="checkbox"/> TYPE - II VLED - II 	COL21	<input type="checkbox"/> 1	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> INTERNAL HOUSE SIDE SHIELD.....HS		
<input type="checkbox"/> COL21-PM-LED	<input type="checkbox"/> TYPE - III VLED - III 	<input type="checkbox"/> 120LED	<input type="checkbox"/> 2-180	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V).....DIM		
	<input type="checkbox"/> TYPE - IV VLED - IV 	<input type="checkbox"/> 100LED	<input type="checkbox"/> 2-90	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR.....HLSW		
<input checked="" type="checkbox"/> COL18-LED	<input type="checkbox"/> TYPE - V-SQ VLED - VSQ 	<input type="checkbox"/> 80LED	<input type="checkbox"/> 3-90	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> 10KV SURGE PROTECTOR.....10SP		
<input type="checkbox"/> COL18-PM-LED		<input type="checkbox"/> 64LED	<input type="checkbox"/> 3-120	<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only).....20SP		
		<input checked="" type="checkbox"/> 48LED	<input type="checkbox"/> 4-90		<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V).....PC+V		
					<input type="checkbox"/> TWIST LOCK PHOTOCCELL RECEPTACLE ONLY...TPR (COL21 & COL18 Only)		
<input type="checkbox"/> COL12-LED	<input type="checkbox"/> TYPE - ASYMMETRIC VLED - ASY 	# of LEDs	WALL MOUNT	FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9500)	<input type="checkbox"/> DOUBLE FUSE (208V, 240V).....DF		
<input type="checkbox"/> COL12-PM-LED	<input type="checkbox"/> TYPE - SYMMETRIC VLED - SYM 	COL12	Refer to Sun Valley Lighting binder or website section - Arms/Wall Brackets				
		<input type="checkbox"/> 24LED <sup>1</sup>	<input type="checkbox"/> WM				
		NOTES: 1 - 350mA ONLY	POST TOP				
			<input checked="" type="checkbox"/> PT				



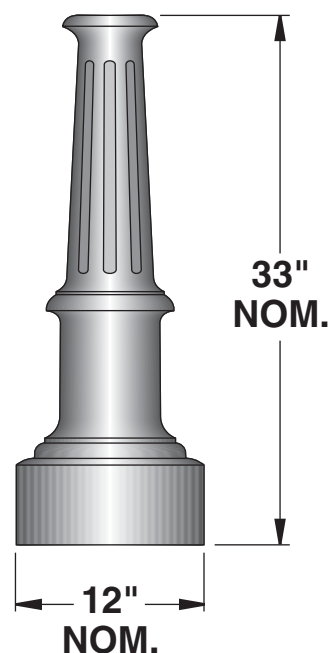
## BASE

ONE PIECE CORROSION RESISTANT, DURABLE CAST ALUMINUM CONSTRUCTION. MINIMUM .220 WALL THICKNESS. BASE CONSISTS OF A SMOOTH, STEPPED BOTTOM SECTION WITH FLUSH HAND HOLE AND A DECORATIVE TAPERED FLUTED SECTION CONSISTING OF EVENLY SPACED, HIGHLY DETAILED RAISED VERTICAL FLUTES. HAND HOLE COVER SUPPLIED WITH TAMPER RESISTANT HARDWARE. GROUNDING LUG PROVIDED INSIDE BASE OPPOSITE HAND HOLE.

**AMETHYST BROOK APARTMENTS  
TYPE: SL2HS, SL4HS, SL5, SL5B POLE**

## ANCHORAGE

A 3/4" CAST ALUMINUM ANCHOR RING IS WELDED 1" ABOVE BOTTOM OF BASE TO ACCEPT (4) FULLY GALVANIZED ANCHOR BOLTS. EACH BOLT SUPPLIED WITH TWO NUTS AND TWO WASHERS. ANCHORAGE IS FASTENED THROUGH HAND HOLE.

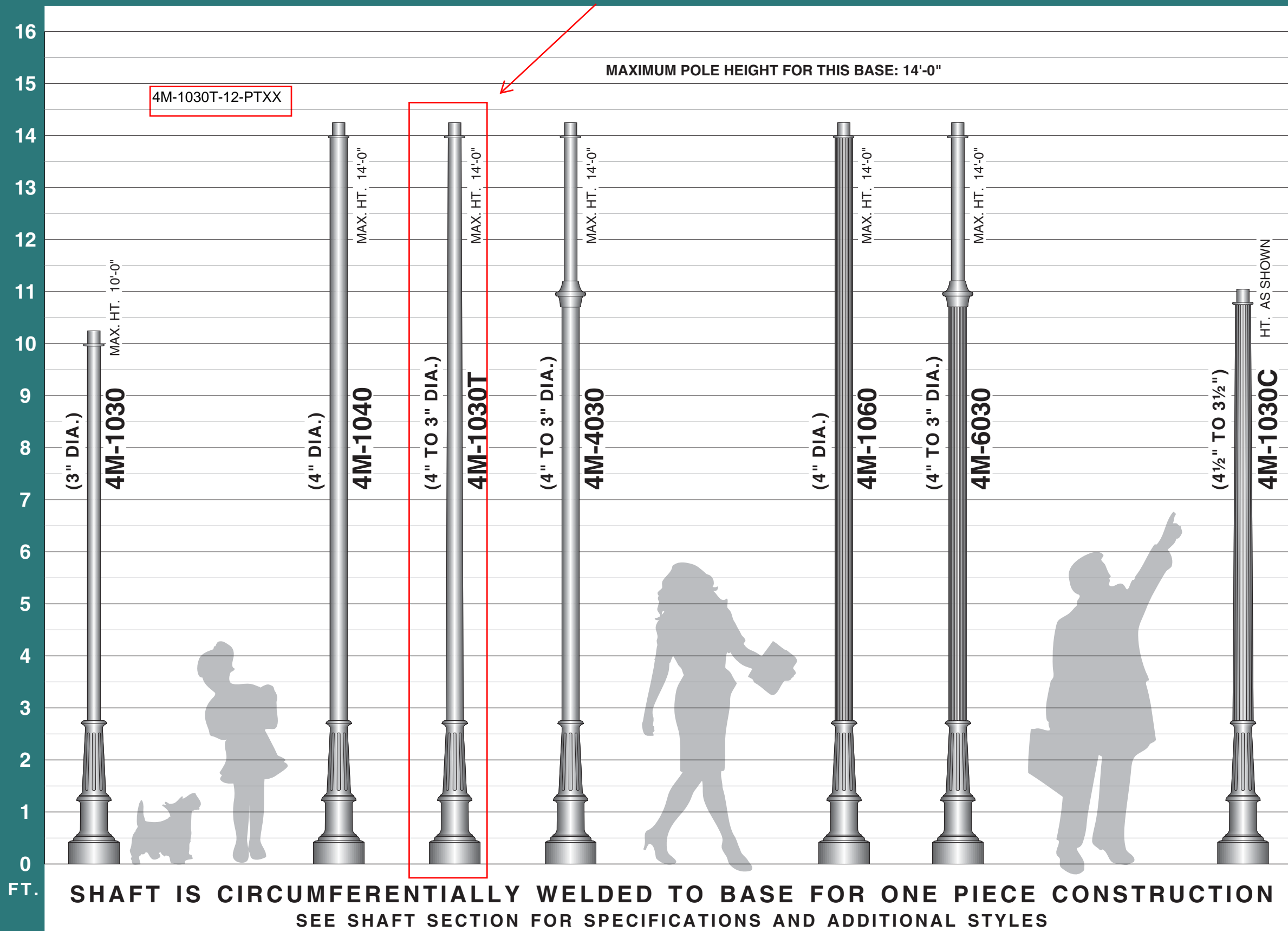


## FINISH

ELECTROSTATICALLY APPLIED BAKED ON TEXTURED ACRYLIC ENAMEL. (SEE PAGE 5 FOR OPTIONAL FINISH AND COLOR SELECTION)

# 4 O O M BASE

## POLE ACCESSORIES (SPECIFY AS SUFFIX TO CAT. NO.)



### TENONS

STANDARD: 2 7/8" O.D.  
OPTIONS: 2 3/8" O.D.  
3 1/2" O.D.

PT23  
PT31

DUPLEX OR G.F.I.  
RECEPTACLE  
WITH COVER

DUP  
GFI

FIELD ROTATABLE  
OR FIXED BANNER  
ARM

RBA  
FBA

BANNER  
EYE BOLT

BEB

BREAK AWAY  
BANNER ARM

BBA

FIELD ROTATABLE  
OR FIXED BASKET  
HOLDER

RBH  
FBH

FIELD ROTATABLE  
STREET SIGN

RSS

FIELD ROTATABLE  
LADDER REST

RLR

1 3/8" I.D.

FIELD ROTATABLE  
OR FIXED FLAG  
HOLDER

RFH  
FFH



**sun valley**  
LIGHTING

660 WEST AVENUE O, PALMDALE, CA 93551  
(661) 233-2000  
FAX (661) 233-2001  
www.sunvalleylighting.com



## BASE

ONE PIECE CORROSION RESISTANT, DURABLE CAST ALUMINUM CONSTRUCTION. MINIMUM .220 WALL THICKNESS. BASE CONSISTS OF A SMOOTH, STEPPED BOTTOM SECTION WITH FLUSH HAND HOLE AND A DECORATIVE TAPERED FLUTED SECTION CONSISTING OF EVENLY SPACED, HIGHLY DETAILED RAISED VERTICAL FLUTES. HAND HOLE COVER SUPPLIED WITH TAMPER RESISTANT HARDWARE. GROUNDING LUG PROVIDED INSIDE BASE OPPOSITE HAND HOLE.

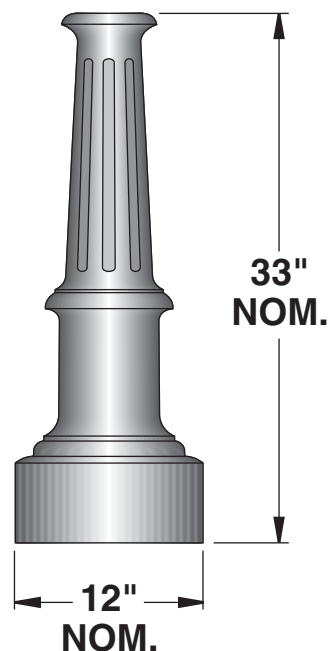
## ANCHORAGE

A 3/4" CAST ALUMINUM ANCHOR RING IS WELDED 1" ABOVE BOTTOM OF BASE TO ACCEPT (4) FULLY GALVANIZED ANCHOR BOLTS. EACH BOLT SUPPLIED WITH TWO NUTS AND TWO WASHERS. ANCHORAGE IS FASTENED THROUGH HAND HOLE.

## FINISH

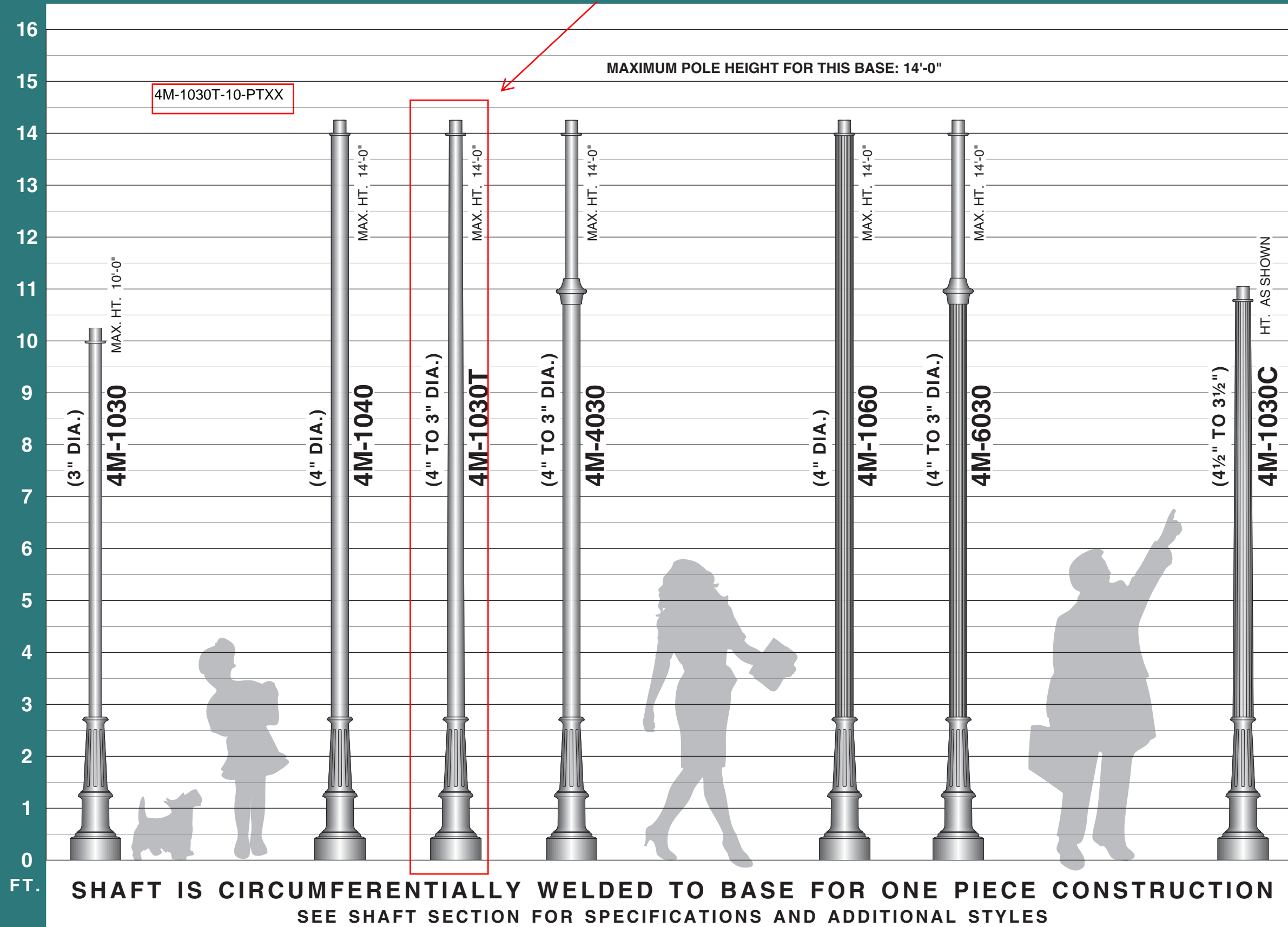
ELECTROSTATICALLY APPLIED BAKED ON TEXTURED ACRYLIC ENAMEL. (SEE PAGE 5 FOR OPTIONAL FINISH AND COLOR SELECTION)

**AMETHYST BROOK APARTMENTS  
TYPE: SL2BHS, SL4BHS POLE**



# 4 O O M BASE

## POLE ACCESSORIES (SPECIFY AS SUFFIX TO CAT. NO.)



### TENONS

STANDARD: 2 7/8" O.D.  
OPTIONS: 2 3/8" O.D.  
3 1/2" O.D.

PT23  
PT31

DUPLEX OR G.F.I.  
RECEPTACLE  
WITH COVER

DUP  
GFI

FIELD ROTATABLE  
OR FIXED BANNER  
ARM

RBA  
FBA

BANNER  
EYE BOLT

BEB

BREAK AWAY  
BANNER ARM

BBA

FIELD ROTATABLE  
OR FIXED BASKET  
HOLDER

RBH  
FBH

FIELD ROTATABLE  
STREET SIGN

RSS

FIELD ROTATABLE  
LADDER REST

RLR  
20"

FIELD ROTATABLE  
OR FIXED FLAG  
HOLDER

RFH  
FFH  
1 3/8" I.D.



**sun valley**  
LIGHTING

660 WEST AVENUE O, PALMDALE, CA 93551  
(661) 233-2000  
FAX (661) 233-2001  
www.sunvalleylighting.com

# 3-4081

## Wall Mount, Outdoor

**AMETHYST BROOK APARTMENTS**  
**TYPE: WM1**

### Features

#### Housing

Die-cast Aluminum with Powder Coated Finish  
Finish Option: -06 White

#### Electrical

High Power Factor, Low THD  
Built-in with or without Photo Cell

#### Lamp

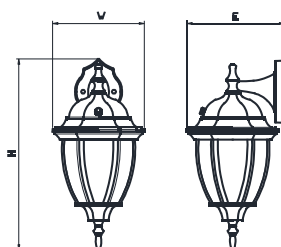
Built-in LED Module: Color Temperature Option 3000K, 4000K, 5000K  
GU24 Type: LED Bulb Color Temperature Option 3000K, 4000K  
CFL Bulb Color Temperature Option 2700K, 4000K

#### Certification

UL/cUL, ETL/cETL Listed, Suitable for Wet Locations

#### Warranty

5 Years Warranty on LED Driver and Module



### Built-in LED Type

Model	Input Voltage	Input Wattage	LED CT/CRI	Lumen (TYP)	Shade	Dimension (H x W X E)	Energy Star	Note
3-4081D-05-xxxxK	120V	14W	3000K / 80	1140	Glass	16.5" x 8.1" x 8.5"	Yes	---
3-4081D-05-xxxxK-11W	120V	11W	3000K / 80	770	Glass	16.5" x 8.1" x 8.5"	Yes	Driver on Board

### GU24 Type

Model	Input Voltage	Input Wattage	Lamp	Finish / Lumen(Typ)	Shade	Dimension (H x W X E)	Energy Star
3-4081PG-05	120V	18W	1 x 18W GU24	Black	Glass	16.5" x 8.1" x 8.5"	---

# SOLID STATE LIGHTING

## COLONIAL WALL MOUNT-PLED

### SPECIFICATIONS

#### FIXTURE HOUSING

Hub, Cage, and Top (Hood) consist of cast low copper (A356 alloy; < 0.2%Cu) aluminum. Hood is fastened to the top of the Cage with a stainless steel hinge and secured with a single stainless steel hex head cap screw 180° opposite the hinge. Hood and Cage are sealed with an extruded closed cell silicone gasket. Cage is welded to the Hub with blended or concealed weldments to create an open frame appearance. Driver/wiring accessed through top of Electrical Access Hub. All exposed hardware is stainless steel. Optical Assembly secures in Hood.

#### ARM

One piece unitized arm and Wall Mount plate consisting of cast low copper (A356 alloy; < 0.2% Cu) aluminum. Arm is welded to the Wall Mount plate and entire Arm/Wall Mount assembly is either welded to the COL12 Hood (WM-P) or mechanically fastened to the Hub (WM-T). All welds are blended to create a homogeneous appearance. Wall Mount plate affixed to mounting surface covering a recessed j-box.

#### PLED™ OPTICS

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. LED refractors produce standard asymmetric site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

#### LED DRIVER(S)

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

#### LED EMITTERS

High output LED's are utilized with drive currents ranging from 175mA to 700mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

#### AMBER LED's

**PCA** (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. **TRA** (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

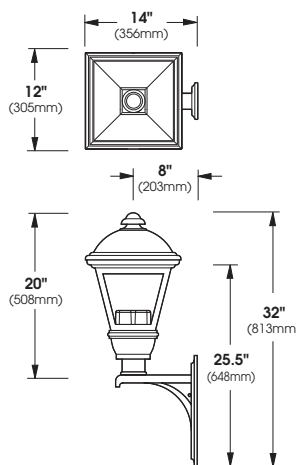
#### FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

PROJECT NAME **AMETHYST BROOK APARTMENTS**

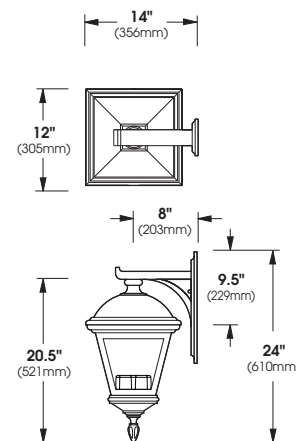
FIXTURE TYPE:

**TYPE: WP4, WP4EM**



## COL12/XCA-UT (Post Top Mount)

PATENT PENDING



## COL12/XCA-UP (Pendant Mount)

PATENT PENDING



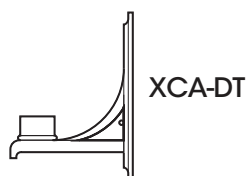
2019319



# COLONIAL WALL MOUNT - PLED

## SPECIFICATIONS

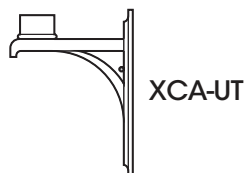
### MOUNTING OPTIONS



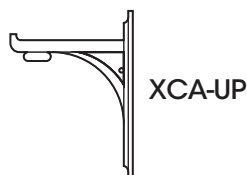
XCA-DT



XCA-DP

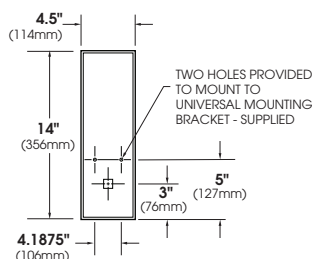


XCA-UT



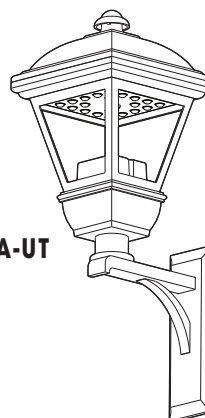
XCA-UP

### WALL PLATE



MOUNTING HARDWARE BY OTHERS.

### PLED® MODULES



**COL12/XCA-UT**  
E.P.A. = .94  
Available in:  
20 LED Max.



20 LED MODULE

**COL12/XCA-UP**  
E.P.A. = .82  
Available in:  
20 LED Max.



Spec/Order Example: COL12/XCA-UP/PLED-III M/20LED-700mA/NW/277V/RAL-9005-T/PC+V

## SPEC / ORDERING INFORMATION

LUMINAIRE & MOUNTING	OPTICS	# of LED's	DRIVE CURRENT	COLOR	VOLTAGE	FINISH	OPTIONS
COL12/XCA-UP	PLED-IV-FT	20LED	525mA	WW	XX	RAL-XXXX-T	HS-PLED
LUMINAIRE & MOUNTING	OPTICS	LED			VOLTAGE	FINISH	OPTIONS
	<b>PLED® MODULES</b> IES DISTRIBUTION TYPE	# of LED's	DRIVE CURRENT	COLOR TEMP-CCT	VOLTAGE	STANDARD TEXTURED FINISH	
<input type="checkbox"/> COL12/XCA-DT	<input type="checkbox"/> TYPE II PLED-II	<input checked="" type="checkbox"/> 20LED	<input type="checkbox"/> 175mA	<input type="checkbox"/> NW (4000K) * STANDARD	<input type="checkbox"/> 120	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> HOUSE SIDE SHIELDS... <b>HS-PLED</b>
<input type="checkbox"/> COL12/XCA-DP	<input type="checkbox"/> TYPE II FRONT ROW PLED-II-FR		<input type="checkbox"/> 350mA	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 208	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR..... <b>HLSW</b>
<input type="checkbox"/> COL12/XCA-UT	<input type="checkbox"/> TYPE III MED. PLED-III-M		<input type="checkbox"/> 450mA	<input checked="" type="checkbox"/> WW (3000K)	<input type="checkbox"/> 240	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V)..... <b>PC+V</b>
<input checked="" type="checkbox"/> COL12/XCA-UP	<input type="checkbox"/> TYPE III WIDE PLED-III-W		<input checked="" type="checkbox"/> 525mA	OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 277	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> SINGLE FUSE (120V, 277V)..... <b>SF</b>
	<input type="checkbox"/> TYPE IV PLED-IV		<input type="checkbox"/> 700mA <sup>1</sup>	<b>AMBER<sup>2</sup></b>	<input type="checkbox"/> 347	<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> DOUBLE FUSE (208V, 240V)..... <b>DF</b>
	<input checked="" type="checkbox"/> TYPE IV PLED-IV-FT			<input type="checkbox"/> PHOSPHOR CONVERTED AMBER <b>PCA</b>	<input type="checkbox"/> 480		
				<input type="checkbox"/> TRUE AMBER <sup>3</sup> <b>TRA</b>		FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9500-S)	CONTACT FACTORY FOR STEP DIM MOTION SENSOR (PROGRAMMED 25-50/100)
				NOTES: 1 - 700mA NOT FOR USE WITH TRA LED'S 2 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT 3 - AVAILABLE IN DRIVE CURRENTS UP TO 525mA ONLY		SEE USALTG.COM FOR ADDITIONAL COLORS	





# COLONIAL WALL MOUNT - PLED

## ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)-TM21	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
20	LED	20 PLED® Optical Module - 175mA	1,141 - 1,257	1,084 - 1,194	1,198 - 1,320	85,000+	-20°F	11	120 277	0.09 0.04
20	LED	20 PLED® Optical Module - 350mA	2,074 - 2,285	1,970 - 2,171	2,178 - 2,399	85,000+	-20°F	22	120 277	0.18 0.09
20	LED	20 PLED® Optical Module - 450mA	2,564 - 2,824	2,435 - 2,683	2,692 - 2,966	85,000+	-20°F	29	120 277	0.23 0.10
20	LED	20 PLED® Optical Module - 525mA	2,987 - 3,290	2,837 - 3,126	3,136 - 3,455	85,000+	-20°F	33	120 277	0.27 0.12
20	LED	20 PLED® Optical Module - 700mA	3,788 - 4,173	3,598 - 3,964	3,977 - 4,382	85,000+	-20°F	44	120 277	0.36 0.16

### NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV - 20KV surge suppressors.
5. L70(14K) - TM-21 6x rule applied  
L70(14K) - Calculated = 244,000 @ 700mA

**WARNING:** All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

