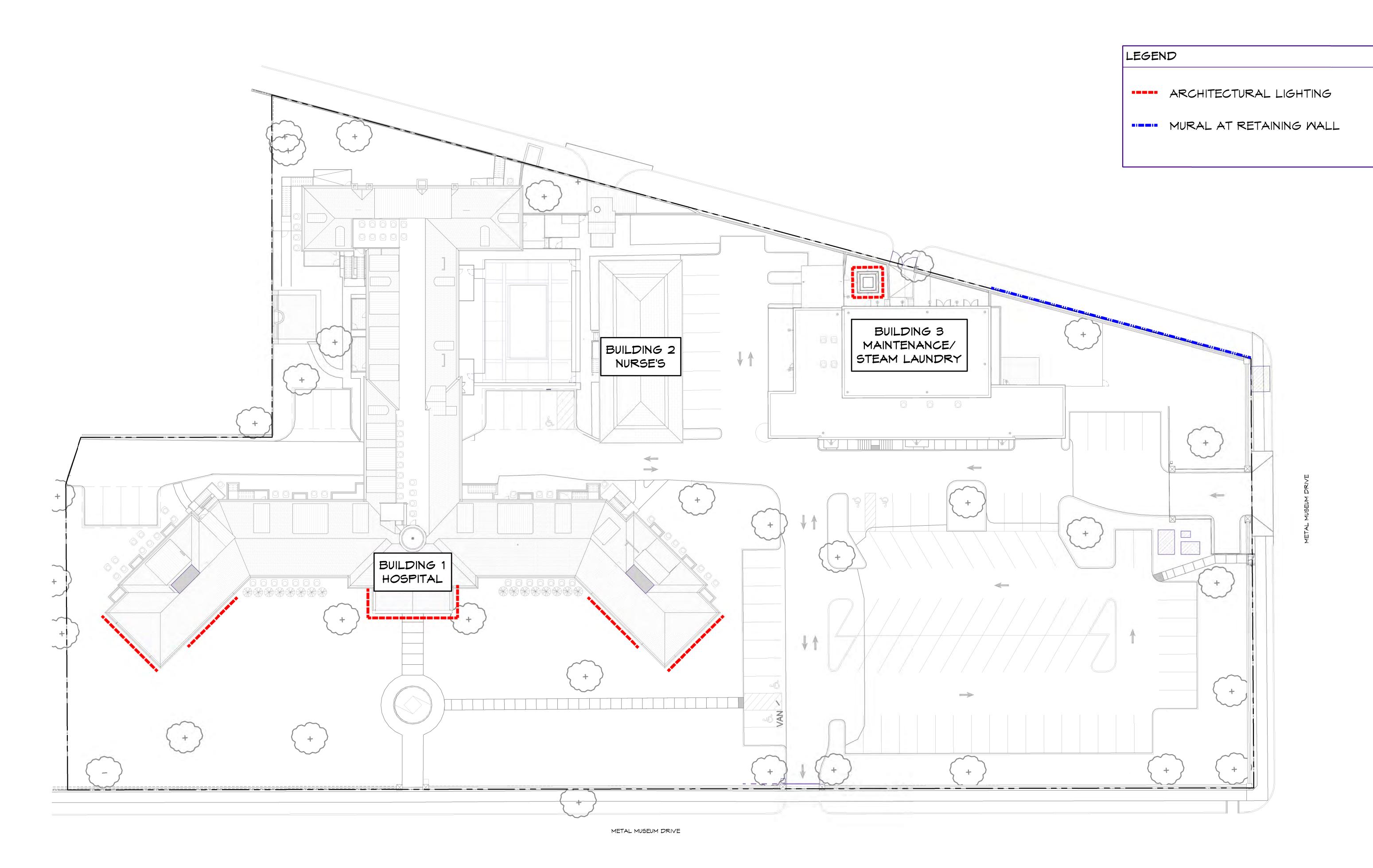


# **DESIGN REVIEW BOARD APPLICATION**

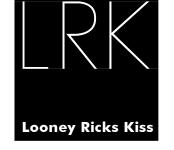
# Administered by: Design Review Board

Property Address*: 360 Metal M	useum Drive
Applicant Name & Mailing Address	Tony Pellicciotti, LRK Inc, 50 South B.B. King Blvd, Suite 600, Memphis, TN 38103
Applicant Phone Number: 90	1-521-1440 Applicant Fax Number: 901-525-1760
Property Owner's Name & Mailing	Address: Desoto Pointe Partners LLC, 2285 Lansingwood Drive, Germantown, TN 38139
Property Owner's Phone Number:	Lauren Crews, 901-309-1118
The proposed work consists of the Sign 🖄 New Build	Renovation
Project Description:	
Status of Project:	
before a regularly scheduled r	be submitted to the Development Department no later than two weeks meeting of the Design Review Board. Please contact Abe Lueders at atownmemphis.com with any questions and to submit an application.
Owner/Applicant Signature:	Lauren T. Crews
Dato	10 20 20

<sup>\*</sup>Applications for properties that are located within a Landmarks Historic District may require additional approval from the Landmarks Commission. Please contact the Shelby County Division of Planning & Developement at (901) 576-6601 for more information.



# REFERENCE SITE PLAN



# The Marine Residences

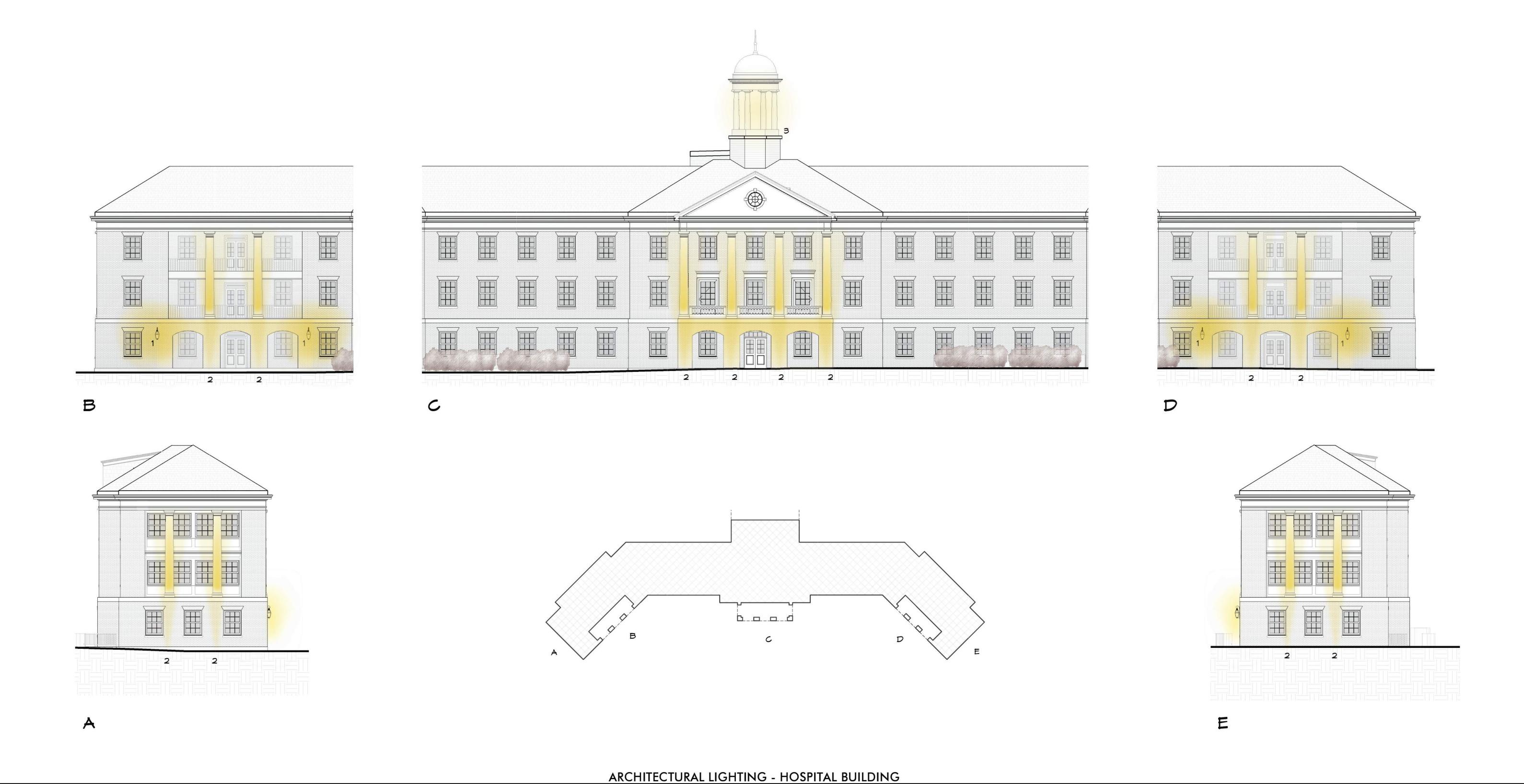


# ARTIST'S STATEMENT

I was honored to be ask to create a design for this location because of its rich history and cultural importance being in such close proximity to the Mississippi River. I used a collage aesthetic because in this way, we are able to incorporate a wide range of visual elements that each retain their own unique identity, yet simultaneously work together to form a harmonious composition that is visually dynamic. From left to right, the first black and white figure is author Mark Twain, who called this bend in the river "the most beautiful vista on the Mississippi." Because of the importance of the Chickasaw burial mounds on the bluffs, I also incorporated a lot of Chickasaw patterns, and some cropped portraits of a Chickasaw chief. There is a Chickasaw river monster in the traditional style which leads us to the middle of the composition, where the viewer sees the front of a more painterly and realistic catfish. The catfish transitions into some dramatically cropped portraits of Muddy Waters, who spent a great deal of time around Memphis and the Mississippi Delta. Muddy Waters was highly influential around the surrounding areas for his Delta Blues style, and one of his standards was called "Catfish Blues," where he speaks about bodies of water such as the river. I felt this was appropriate since the wall is a stone's throw to the banks of the Mississippi. There are also some additional Chickasaw Folk Art references and some text woven throughout the composition to keep your eye moving and transition one image to the next.

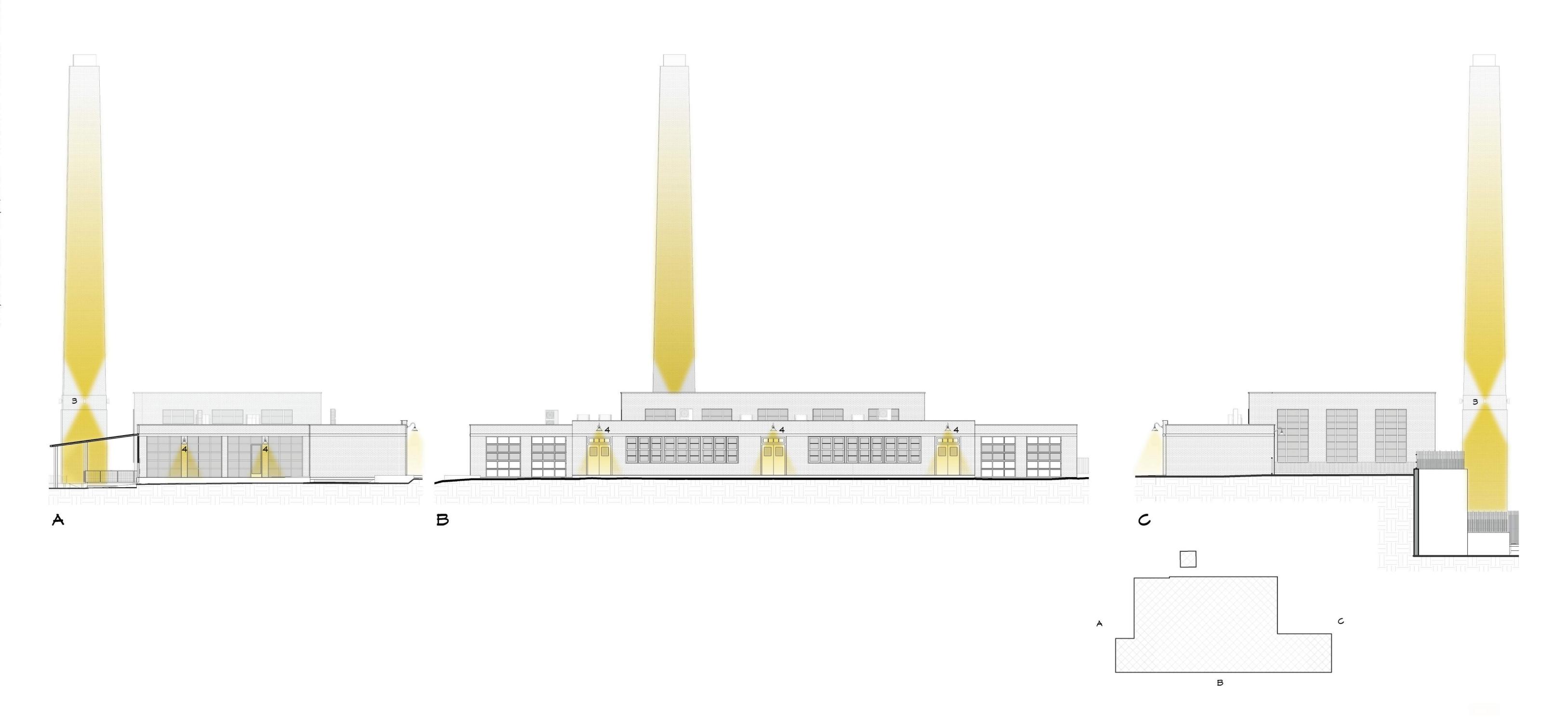


# **PUBLIC ART**





**Looney Ricks Kiss** 



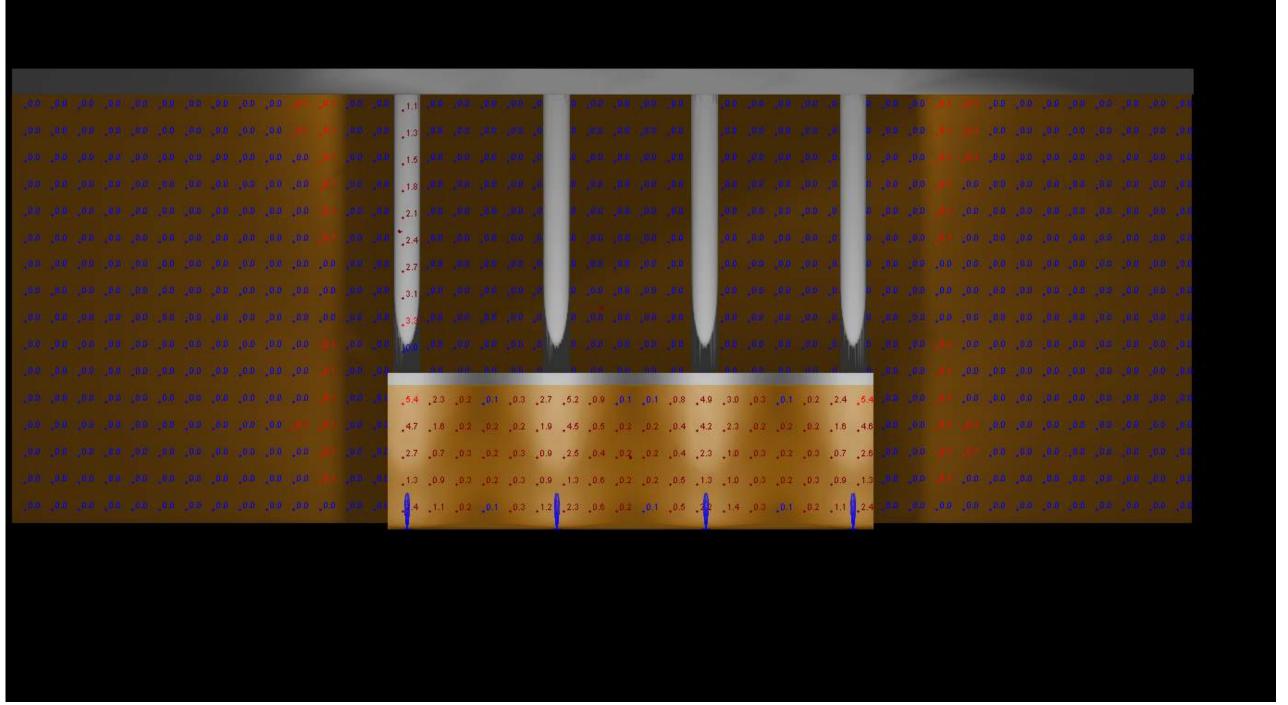
# ARCHITECTURAL LIGHTING - STEAM LAUNDRY BUILDING



Designer
John Ferloni Jr.
Date
9/15/2020
Scale
Not to Scale
Drawing No.

Summary

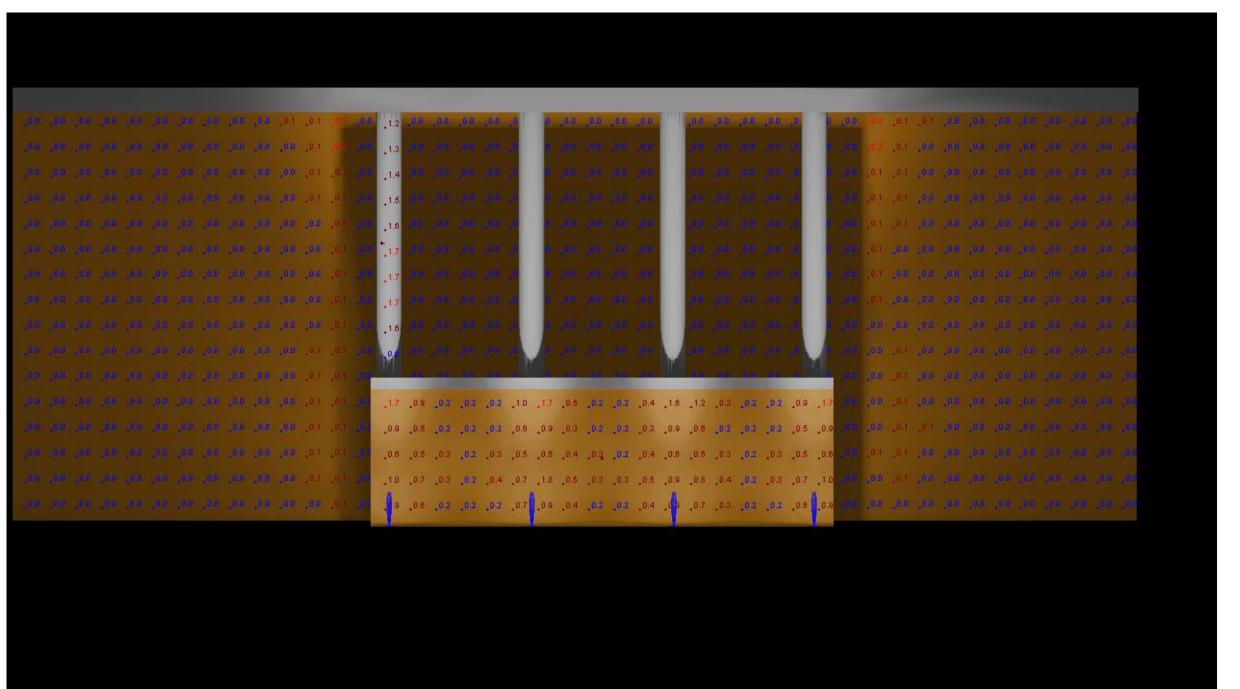
1 of 1



2' Setback

Schedule																	
Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename		Lumen Multiplie r	LLF	Wattage	Efficiency	Distribut ion	Polar Plot	Notes
	A		4	Hydrel	PDX10 18LED WHT41K NSP FLC	18"L. X 12"W X 12"H. LED LUMINAIRE. CLEAR LENS.	18LED		PDX10_18LED_ WHT41K_NSP_F LC.ies	1731	1	0.9	19.21	88%	2 X 2	Max: 20181cd	

CLEAR ADVANTAGE LIGHTING



31	Sathack	

Sche	dule																	
Syn	nbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Lumen Multiplie r	LLF	Wattage	Efficiency	Distribut ion	Polar Plot	Notes
		A		4	Hydrel	PDX10 18LED WHT41K NSP FLC	18"L. X 12"W X 12"H. LED LUMINAIRE. CLEAR LENS.	18LED		PDX10_18LED_ WHT41K_NSP_F LC.ies	1731	1	0.9	19.21	88%	2 X 2	Max: 20181cd	

Designer
John Ferloni Jr.
Date
9/15/2020
Scale
Not to Scale
Drawing No.

Summary

1 of 1

|--|--|--|--|

Avg/Min Max/Min N.A. N.A.

Description

N.A.

0.900 FCC820W-UNV-LED-3K-CR83-35L-35L-CC-USP-DSP

Min 0.0

Max 24.9

Total Lamp Lumens LLF

Avg 3.31

N.A.

Calculation Summary Label

Luminaire Schedule

Qty

Object\_5\_Side\_1

Symbol

CalcType

Label

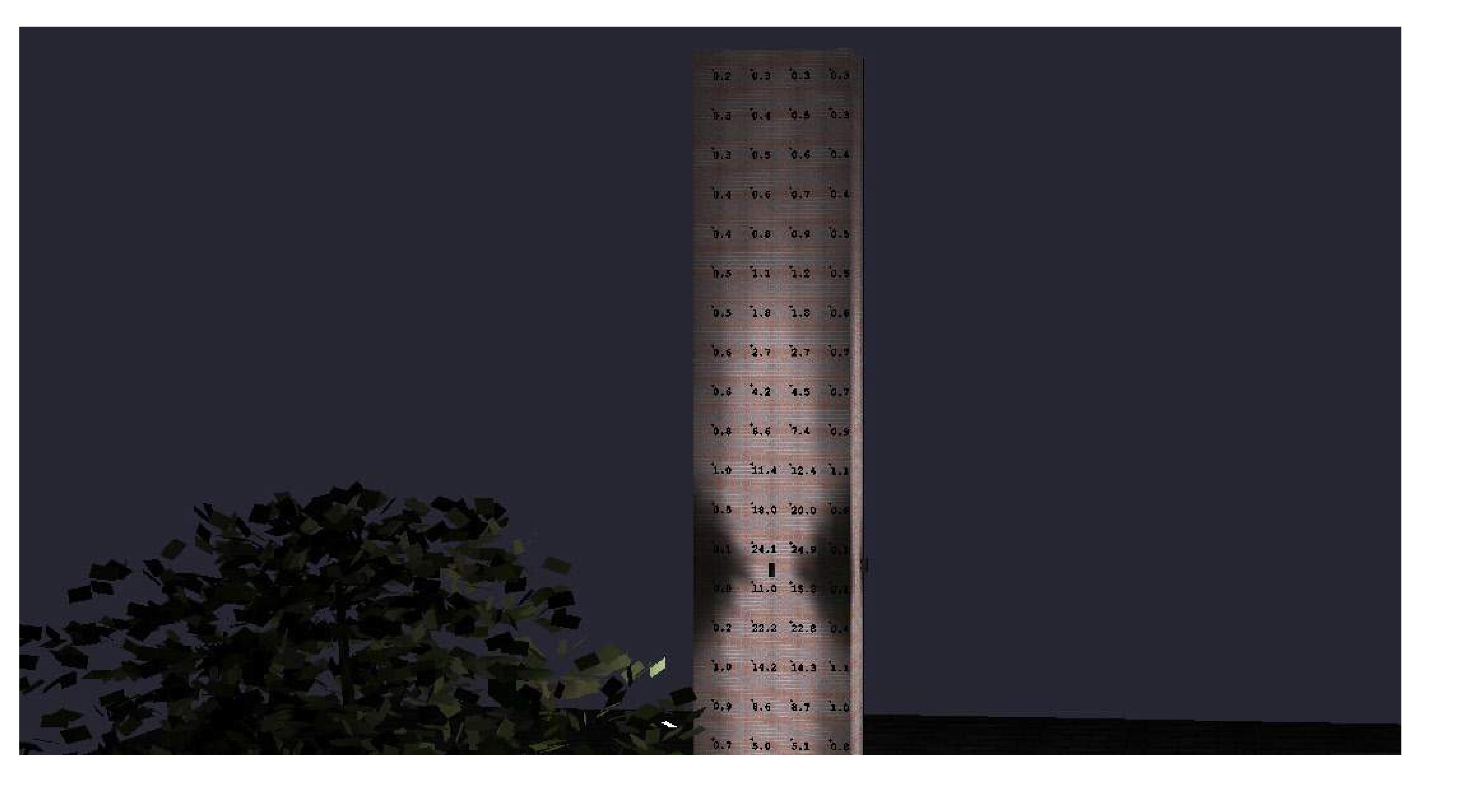
Illuminance

FCC820W-UNV-LED-3K-CR83-35L-35L SINGLE

Units

Arrangement

Fc





Submitted By CLEAR ADVANTAGE LIGHTING INC Catalog Number

1W 6130CLED 4ARC45T3 MDL03 CSA FHC/480WB STD

Confirm finish. Column mt.



# FIXTURE TYPE 1



# 6130\_LED HERITAGE SERIES



CLICK FOR FAQ's

FAQ

EPA 2.32 (ft<sup>2</sup>) WEIGHT 53 LBS

LUMEN RANGE 2.370 to 16,590

LIFE 7 YEAR WARRANTY SPAN L70 UP TO 100,000

**HOURS** 



JOB NAME		
FIXTURE TYPE		
MEMO		

#### **BUILD A PART NUMBER** ORDERING EXAMPLE: 2A-613OCLED-4ARC45T5-MDH03-CSA-PEC-FHD/480PM/3610FP4/BKT Option Photocontrol Option Chimney Mounting Config. Pole Fixture LED Arm Finish

# **Mounting Configuration**

#### (Click here to link to mounting configuration specification page)

- ·2A90 · 3A120 • 450PB PT 2APT • 4A SH44
- 1A • 3A 4APT • CH44 1APT ·3A90 • 1AM
- 3APT • 2A 2AM

W = Wall Mount PT = Post Top APT = Post Top Arm Mid-Mount A = Arm Mount AM = Arm Mid-Mount PB = Pier Base SH = Stem Hung CH = Chain Hung

#### **Fixture**

• 6130ALED • 6130CLED

# **LED**

6ARC • 4ARC • IRND 6AIR

#### **CCT - Color Temperature (K)**

•45(00) •35(00) •27(00)

#### Type

• T2 • T3 • T3R • T4 • T5

# **Driver**

- MDL03 (120v-277v, 350Ma)
- MDH03 (347v-480v, 350Ma)
- MDLO5 (120v-277v, 525Ma)
- MDH05 (347v-480v, 525Ma)

#### Lens

#### (Click here to link to lens specification page)

- SVI (Flat Medium Diffuse Acrylic Lens)
- SV2 (Flat Heavy Diffuse Acrylic Lens)
- CTA (Clear Textured Acrylic)
- CSA (Clear Seeded Acrylic)
- · FA (Frosted Acrylic)
- · PA (Prismatic Acrylic)
- ATA (Amber Textured Acrylic)

#### **Options**

- PEC Electronic Photocontrol (120v-277v)
- PEC4 Electronic Photocontrol (480v)
- FHD Double fuse and holder (208v, 240v & 480v)
- FHC Frosted Hurricane Chimney (not lighted)

# Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets. • 62C • 579 TASCR

• 6236 TA • 779

# Pole (Click here to link to pole specification page)

See Pole specification sheets.

#### Finish

#### Standard Finishes<sup>2</sup>

- BIKT Black Textured WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured **DBT** Dark Bronze Textured

\*\*Verifv\*\*

Smooth finishes are available upon request.

#### Custom Finishes<sup>3</sup>

- CM Custom Match
- OI Old Iron
- RT Rust
- · WBR Weathered Brown ·CD CeWdar
- · WBK Weathered Black
- •TT Two Tone
- <sup>3</sup>Custom colors require upcharge.

# Sternberg Select Finishes

- · VG Verde Green
- ·SI Swedish Iron
- · OWGT Old World Gray Textured

# **Specifications**

The Heritage Series is a modern replica of an elegantly styled fixture featuring a tapered six sided cage. The luminaire has a cast aluminum hinged roof for easy inside access and is appointed with a cast aluminum decorative finial. The luminaire measures 21-1/4" wide by 40" tall (6130CLED) or 40-1/2" tall (6130ALED). The luminaire shall be UL listed in the US and Canada.

The fitter or base shall be heavy wall cast aluminum, alloy for high tensile strength. The fitter shall have an inside diameter opening to accept a 3" OD x 3" tall pole or tenon.

#### LED's

The luminaire shall use high output, high brightness LED's. They shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface. The arrays shall be roof mounted. to minimize up-light. The LED's and printed circuit boards shall be shall be environmentally friendly and 100% recyclable, they shall also be protected from moisture and corrosion by a conformal coating of 1 to 3 mils. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. They shall operate in a -40°C (-40°F) to +50°C (122°F) ambient air temperature range. The High Performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4500K (3500K or 2700K option) color temperature with a minimum of 70 CRI. The luminaire shall \_ (see table) delivered have a minimum \_ initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

#### **Optics**

The luminaire shall be provided with individual acrylic, refractor type optics applied to each LED. The luminaire shall provide Type (2, 3, 3R, 4 or 5) light distribution per the IESNA classifications. Testing will be done in accordance with IESNA LM-79.

## **Electronic Driver**

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for optimized performance and longevity.

See next page





Submitted By CLEAR ADVANTAGE LIGHTING INC

Catalog Number
1W 6130CLED 4ARC45T3 MDL03 CSA FHC/480WB STD

Notes

Confirm finish. Column mt.

SA

# 6130\_LED HERITAGE SERIES



It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload as well as short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be dimmable using a 0-10v signal.

For sources over 50w: The driver shall have a minimum efficiency of 90%. The driver shall be rated at full load with THD<20% and a power factor of greater than 0.90. The driver shall contain over-heat protection which reduces output to less than half rating if the case temperature reaches 85°C.

For sources under 50w: The driver shall have a minimum efficiency of 88%.

#### **Photocontrols**

Button Style: On single post top fixtures the photocontrol shall be mounted in the fitter and pre-wired to ballast. On multiple head fixture assembly's photocontrol shall be mounted in the pole shaft on an access plate and are not pre-wired as ballast housing assemblies and fitters are packaged separately for ease of wiring to source. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

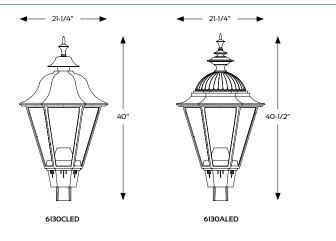
# Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

## Finish

Refer to website for details.

# **Fixtures**



# **Optic**



Frosted Hurricane Chimney

# **Performance**

MODEL #	T2 Delivered Lumens	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T3R Delivered Lumens	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 Delivered Lumens	EFFICACY (LPW)	WATTS
6A1R27-MD_05	12940	68.8	12080	64.3	12540	66.7	12480	66.4	12545	66.7	188
6A1R35-MD_05	14765	78.5	13785	73.3	14305	76.1	14240	75.8	14315	76.2	188
6A1R45-MD_05	16590	88.2	15490	82.4	16075	85.5	16000	85.1	16085	85.6	188
6A1R27-MD_03	8970	72.4	8845	71.3	9140	73.7	9190	74.1	9210	74.3	124
6A1R35-MD_03	10240	82.6	10090	81.4	10430	84.1	10485	84.6	10505	84.7	124
6A1R45-MD_03	11505	92.8	11340	91.4	11715	94.5	11780	95.0	11805	95.2	124
6ARC27-MD_03	6685	69.6	6635	69.1	6875	71.6	6890	71.8	6885	71.7	96
6ARC35-MD_03	7630	79.5	7570	78.9	7845	81.7	7860	81.9	7855	81.8	96
6ARC45-MD_03	8570	89.3	8500	88.6	8815	91.8	8835	92.0	8825	91.9	96
4ARC27-MD_03	4640	70.3	4485	67.9	4600	69.7	4615	69.9	4630	70.2	66
4ARC35-MD_03	5295	80.2	5115	77.5	5245	79.5	5265	79.7	5285	80.1	66
4ARC45-MD_03	5950	90.2	5745	87.1	5895	89.3	5915	89.6	5935	90.0	66
1RND27-MD_03	2460	76.8	2370	74.0	2420	75.6	2400	75.0	2475	77.4	32
1RND35-MD_03	2805	87.7	2705	84.5	2760	86.3	2740	85.6	2825	88.3	32
1RND45-MD_03	3150	98.5	3035	94.9	3100	96.9	3075	96.2	3175	99.3	32







#### Specifications

Lenght:	18"
	457 mm
Width:	12"
	305 mm
Height	12"
	305 mm
Weight:	11lbs

# **PARADOX 10**

# **19W LED**

# 10" Architectural In-Grade

# **HIGHLIGHTS**

- Adjustable LED module for in-field aiming up to 15° tilt and 360° rotation
- Integral junction box for wire splicing
- Available with 0-10V low voltage dimming
- U.V. stabilized, impact and corrosion resistant housing
- Integral driver

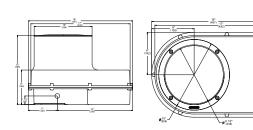




IP67



# **DIMENSIONS**



# **LUMEN PACKAGES**

	NSP	MFL	FL	WFL	HSP	HFL	VWFL
Delivered Lumens	1700	1700	1500	1700	1900	1600	1400
Watts	19	19	19	19	19	19	19
LPW	90	91	79	90	96	80	77

Note: Based on 41K



# **ORDERING INFORMATION**

#### EXAMPLE: PDX10 B 18LED WHT30K MVOLT NSP FLC 34S

Model*	Model* Door Material* LED Type*		LED Color* Voltage*		Voltage*	Light Distribution*			
PDX10 SS Stainless Steel  BSS¹ Brushed Stainless Steel  B Bronze		<b>18LED</b> 18 Chip LED array	WHT30K 3000K CCT WHT41K 4100K CCT WHT53K 5300K CCT AMBPC Phosphor Converted Amber BLU Blue GRN Green RED Red		<b>MVOLT</b> (120 - 277V)	MFL M FL Fl WFL W VWFL² Ve HSP Ho		Narrow Spot Medium Flood Flood Vide Flood Very Wide Flood (no optics) Horizontal Spot Horizontal Flood	
Lens*		Conduit Entries*		Accessories		Optio			sting
FLCAS <sup>1</sup> FLCSR <sup>1,3</sup>	Flat Lens Clear Flat Lens Clear, Anti-Slip Flat Lens Frosted, Slip Resistant	345 Two 3/4" NPT Sid 2554 Two 25mm Side	e (Standard)	FRF Frost External	nal Honeycomb Louver ed Filter orative Rock Guard	LDIM	0-10V Dimmir	g <b>I</b> E	EC <sup>4</sup> International Electrotechnical Commission

#### **ELECTRICAL LOAD**

				Current (A)							
Light Engines	Drive Current (mA)	System Watts	120	208	240	277	347	480			
18 LED	350	19	0.16	0.09	0.08	0.07	0.05	0.04			

#### PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the **Fixture** platform in a  $25^{\circ}\text{C}$  ambient, based on 8400 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.99	0.98	0.96

# **LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS**

Use these factors to determine relative lumen output for average ambient temperatures from 0-40  $^{\circ}$  C (32-104  $^{\circ}$  F).

An	Ambient						
0°C	32°F	1.02					
10°C	50°F	1.01					
20°C	68°F	1.00					
25°C	77°F	1.00					
30°C	86°F	0.99					
40°C	104°F	0.98					

SLIP RESISTANCE AND LOAD RATING	
PDX4	
MAXIMUM LOAD RATING	
Peak compression force of 4,944 lbs.	
LENS STATIC COEFFICIENT OF FRICTION	
PDX7 Anti-Slip Lens (FLCAS): Dry = 0.76; Wet = 0.20	
PDX7 Slip Resistant Lens (FLSR): Dry = 0.84; Wet = 0.65	

#### Notes:

- Not available with Decorative Rock Guard.
- FRF filter needed with VWFL
  Meets ADA requirements for coefficient of friction.
- Only for use in 50HZ applications.



# **PERFORMANCE DATA**

#### **LUMEN OUTPUT**

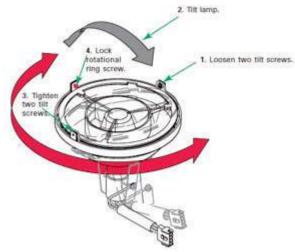
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

	Distribution	Nema Type	Beam Angle (50%) H x V	Field Angle (10%) H x V	Watts	LPW	Delivered Lumens
	NSP	2 x 2	14.8 x 14.8	27.1 x 27.1	19	53	1,000
	MFL	6 x 6	35.7 x 35.7	109 x 109	19	54	1,000
	FL	5 x 5	75.8 x 56.2	95.7 x 83.4	19	48	900
3000K 80CRI	WFL	7 x 7	114.2 x 114.2	136.1 x 136.1	19	54	1,000
333	HSP	3 x 3	20.8 x 20.8	38.9 x 38.9	20	57	1,100
	HFL	4 x 3	40.5 x 15.6	60.8 x 30.4	20	48	950
	VWFL	7 x 7	110.2 x 110.2	141 x 141	18	45	800
	NSP	2 x 2	14.8 x 14.8	27.1 x 27.1	19	90	1,700
	MFL	6 x 6	35.7 x 35.7	109 x 109	19	91	1,700
	FL	5 x 5	75.8 x 56.2	95.7 x 83.4	19	79	1,500
4100K 70CRI	WFL	7 x 7	114.2 x 114.2	136.1 x 136.1	19	90	1,700
700	HSP	3 x 3	20.8 x 20.8	38.9 x 38.9	20	96	1,900
	HFL	4 x 3	40.5 x 15.6	60.8 x 30.4	20	80	1,600
	VWFL	7 x 7	110.2 x 110.2	141 x 141	18	77	1,400
	NSP	2 x 2	14.8 x 14.8	27.1 x 27.1	19	90	1,700
	MFL	6 x 6	35.7 x 35.7	109 x 109	19	91	1,700
	FL	5 x 5	75.8 x 56.2	95.7 x 83.4	19	79	1,500
5300K 70CRI	WFL	7 x 7	114.2 x 114.2	136.1 x 136.1	19	90	1,700
, 3614	HSP	3 x 3	20.8 x 20.8	38.9 x 38.9	20	96	1,900
	HFL	4 x 3	40.5 x 15.6	60.8 x 30.4	20	80	1,600
	VWFL	7 x 7	110.2 x 110.2	141 x 141	18	77	1,400

**LED LIFE:** L70/60,000 hours

OPERATING TEMPERATURE: -30°C Through 40°C

# LAMP ADJUSTMENT DETAIL





#### SPECIFICATIONS AND FEATURES

DOOR MATERIAL: Die cast bronze or stainless steel.

**HOUSING:** Compression molded polyester with patent pending internal direct access junction box for through-branch wiring. Internal junction box provides 44in³ volume to ensure proper seal during installation. The housing is U.V. stabilized, impact and corrosion resistant for use in all types of environments. The housing has a side-car configuration and houses the lamp and power module components as well as the lens/ door finishing section.

LED TYPE: Monochromatic and White LEDs, 19W, 18 chip arrays. All within 3MacAdam ellipses VOLTAGE: MVOLT.

 $\pmb{\mathsf{LIGHT}}$   $\pmb{\mathsf{DISTRIBUTION}}.$  See Ordering Guide. LED module has 15° of internal tilt and 360° of rotation.

**LENS/SEAL:** Tempered clear flat borosilicate glass. The patent pending door / lens seal uses proprietary knife edge technology to secure the assembly to the housing. Three captive screws hold the assembly in place. The lens is notched to provide maximum aperture opening.

CONDUIT ENTRIES: Two molded %'' NPT side entries standard, bottom hubs are molded with a %'' NPT membrane knockout.

ACCESSORIES: See Ordering Guide.

POWER MODULE: Integrally mounted modular encapsulated LED driver.

FINISH: Natural bronze, stainless steel, or stainless steel with a brushed finish.

LISTING: cCSAus, suitable for wet locations, laboratory tests conducted by CSA to UL Standard III -1598 and III -8750

WARRANTY: 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

Consult factory for details.

**NOTE:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25  $^{\circ}$ C. Specifications subject to change without notice.



Submitted By CLEAR ADVANTAGE LIGHTING INC

Catalog Number FCC600 16 WM UNV 3K CR93 50L BZ U-40

SB2

# FIXTURE TYPE 3



# FCC600 Series









Date:	Approved:
Type:	
Fixture:	
Project:	

FCC600 Series Cylinders are the most versatile high output exterior cylinders in the market. These Cylinders are designed with outdoor applications in mind. Dry, damp or wet conditions and developed with the highest variety of mounting capabilities, power and output levels, optical distributions, and many featured options.

# **SPECIFICATIONS**

PHYSICAL	
beam spread	12°   15°   25°   40°   60°   72°
diameter/height	diameter: 6.31" height: 10"   12"   14"   16"   18"   20"
weight	8 lb
housing	heavy-walled, extruded aluminum housing with die-cast lens ring and cap with stainless steel hardware
lens	IK05 impact compliant, clear anti-glare tempered glass
mounting	mounts directly to standard recessed junction box   additional holes allow unit to be attached directly to mounting surface
ingress protection	continuous silicone gasket to seal out contaminants, IP65 rated for dry, damp or wet locations
vibration resistance	compliant with 1G ANSI C136.31, Seismic rated AC-156
finish	7-stage chemical stage pre-treatment process that includes iron phosphate, to prepare the substrate for a UV stable, super durable standard polyester powder coat

PERFORMANCE	
color temperature	2700K   3000K   3500K   4000K   5700K
delivered lumens	5000 Lm max - Selectable in 500 Lm increments   3000 Lm max for BBU (integral)
lifetime	> 70,000 hours / L70 or better
color consistency	2-step MacAdam Ellipse   83 CRI standard   optional 93 and 97 CRI
temperature	operating: -40°F to 104°F
warranty	5 year limited warranty (refer to website for details)

NON-LED	
CFL	13Q, 18T, 26T socket: PL: four pin plug-in type compact fluorescent lamp holder (lamp by others)
ballast	fluorescent electronic, UL listed ballast standard
HID	20W MH G12, 30W MH G12 socket: G12 base porcelain socket (lamp by others)
ballast	electronic ballast standard: ballast has a manufacturer issued 5 year warranty

ELECTRICAL	
input voltage	Universal 120–277V AC standard 347V optional
power supply	integral Class II, electronic high-power factor > 94%   EldoLED & Lutron optional
certification	CEC Title 24 - JA8 Compliant
standards	ETL / cETL or CE, tested to UL 1598 and UL 8750 standards / UL-Class I / IES LM-79 / LM-80 / FCC Part 15
power consumption	up to 60W max @ 120V
dimming interface	standard: LED dimming: 0-10V, 1%
	optional: ELV   TRIAC   dim to off   DMX   DALI

Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC Lighting terms and conditions. FCC Series Cylinder Lights are engineered and produced in our Illinois manufacturing facility.

US Commercial Lighting Manufacturer Since 1982



Submitted By CLEAR ADVANTAGE LIGHTING INC

Catalog Number FCC600 16 WM UNV 3K CR93 50L BZ U-40

Notes

SB2

# FCC600 Series

FCC-600															
nodel	height	mour	nting	voltag	je	CCT		CRI		lume	n output	finis	sh	optio	CS
CC-600 Ø6"	10	SF	Surface	UNV	120V-277V	27K	2700K	CR83	83 CRI	5L	500 Lm	ВК	black	12	12° Narrow Spot (deep optic)
	12	WM	Wall	347V	347V	3K	3000K	CR93	93 CRI	10L	1000 Lm	BZ	bronze	15	15° Spot (deep optic)
	14	PD	Pendant			35K	3500K (no 97 CRI)	CR97	97 CRI	15L	1500 Lm	WH	white	25	25° Mid-Spot
	<b>16</b>	CM	Cord			4K	4000K			20L	2000 Lm	SL	silver	<mark>40</mark>	40° Narrow Flood (deep optic)
	18	SM	Slope			57K	5700K (no 97 CRI)			25L	2500 Lm	CC	custom color	60	60° Flood
	20					R	Red			30L	3000 Lm			72	72° Wide Flood (deep optic)
						G	Green			35L	3500 Lm				
						В	Blue			40L	4000 Lm				o optics only interchangeable with
							factory for Non-LED			No 97	7 CRI on 45L-50L			othe	r deep optics noted in list above
						sources	;			45L	4500 Lm				

Standard Driver Included: LED dimming: 0-10V, 1%

**Driver Options** (all drivers are 120V-277V unless otherwise specified)

STANDARD (UNV) DRIVER OPTIONS	LUTRON DRIVER OPTIONS	eldoLED DRIVER OPTIONS	STANDARD CCT (347V) DRIVER OPTIONS
ET ELV or TRIAC	L2 Lutron 1%, 2-Wire, Forward Phase	E1 eldoLED 0-10V, Dim-to-Off	<b>P3</b> 347V 0-10V, Dim to 10%
LD 0-10V Dimming (1%)	L5 Lutron Ecosystem, 0.1%, Soft-on, Dim-to-Off	E2 eldoLED DALI, Dim-to-Off	
DMX DMX Dim to 0.1%,		<b>E5</b> <i>eldoLED</i> 0-10, Dim to 1%	
DL DALI Dim to 0.1%,		E6 eldoLED DALI, Dim to 1%	
		E7 eldoLED DMX, Dim-to-Off	

**Options** (choose one per fixture)

 SF
 Soft Field (solite)
 BBU1
 1500Lm: 15W (integral)

 CPLX
 Custom Length Pendant (X=inches)
 BBU2
 3000Lm: 30W (integral)

 CBLX
 Custom Length Cable (X=inches)
 BBUR1
 1500Lm: 15W (remote)

 OPC
 Opal Polycarbonate Lens
 BBUR2
 3000Lm: 30W (remote)

 CV
 Cut-Off Visor

Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC Lighting terms and conditions. FCC Series Cylinder Lights are engineered and produced in our Illinois manufacturing facility.

US Commercial Lighting Manufacturer Since 1982



Submitted By CLEAR ADVANTAGE LIGHTING INC

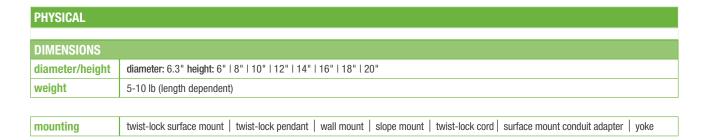
Catalog Number FCC600 16 WM UNV 3K CR93 50L BZ U-40

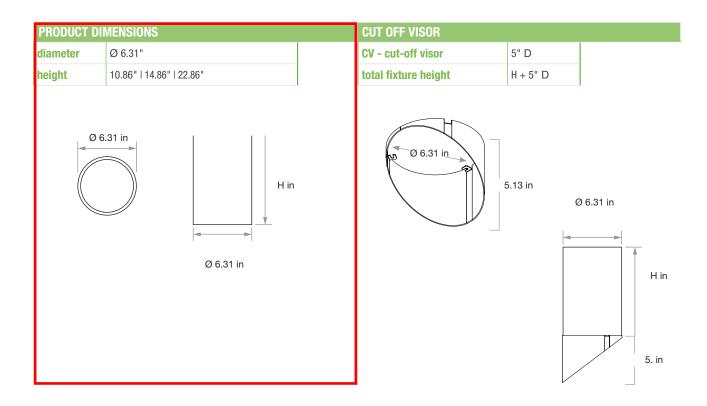
Notes

SB2



# **FCC600 Series**





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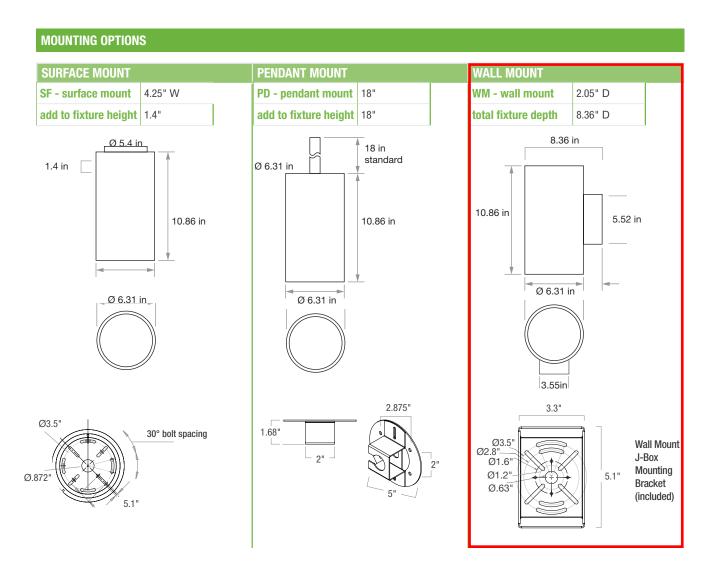
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Notes

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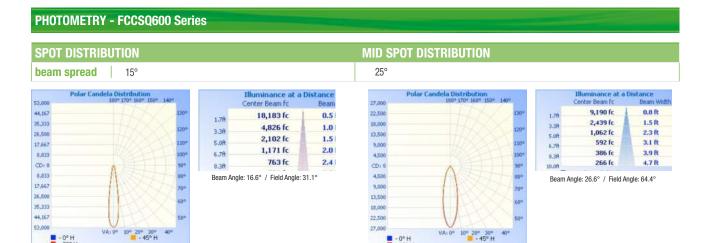


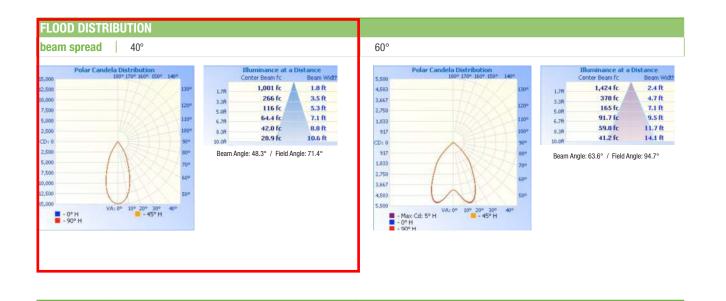
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REFER TO ADDITIONAL PHOTOMETRY AVAILABLE ON SOLIDSTATELUMINAIRES.COM

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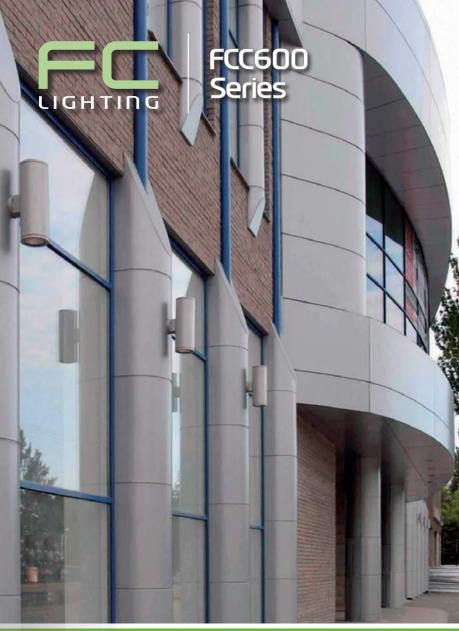


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Notes

SB2



# **DELIVERING UP TO 5000 LUMENS!**



# Exterior LED Cylinder Lighting To The Next Level

Design & Construction: FC Lighting has developed the latest durable, high ouptut exterior cylinder line on the market. Engineered with a revolutionary heat dissipation component, these fixtures come available with style, optics choices, mounting options and accessories that create limitless possibilities for any lighting specifiers dream application. These Cylinders provide an unmatched flexibility for specifying powerful lighting with an equally sophisticated style.

Style & Accessories: Add to your dream specification with an Angle Cut Visor or Up / Down Lighting solution. With design flexibility only limited by the imagination, specifiers can create an environment with contemporary style and mood enhancing control features that complement any application. FCC Series Cylinders come in 4", 6", 8" and 10" diameters that are available from 10" up to 20" long.

#### Output and Optics Flexibility:

American engineered performance features create high lumen output with a high efficacy. The engineers at FC Lighting have designed optics options that hand over control of beam and field angle effects. FCC Series Cylinders are the ultimate solution that allow designers the ability to customize lighting for their clients specific needs.

# Power Dimming & EMR Flexibility:

The latest development in the *FCC Series Cylinder* line created the widest variety of integral power, dimming and control solutions possible. EMR and wireless controls all compatible with Dali, DMX, ELV and 0-10% dimming protocols. Lutron Ecosystem® compatibility and eldoLED drivers are also available. *FCC Series Cylinders* are the most comprehensive cylinder lighting solutions available on the market today!

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US Commercial Lighting Manufacturer Since 1982



Submitted By CLEAR ADVANTAGE LIGHTING INC

Catalog Number
CAL I 12 17LED CRD 30K 120 FXX

Notes

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FIXTURE TYPE 4



# **Features**

- Provides excellent coverage and uniformity, suitable for general and localized lighting
- Available in sizes of 12", 14", and 16" in diameter
- Practical options for application and design flexibility
- Surge protection for internal components
- Quality components combined with the most current technology for high efficiency and reduced lighting costs

# **Applications**

The Calvin pendant is ideal for illuminating spaces where the quality of light, subtle style and economy are important. It lends itself to many commercial applications, from hospitality to agricultural.

Wall, and pole-mounted models are also available.





## **ESTABLISHED 1923**

#### Construction

High grade spun aluminum, brushed solid copper, brushed 316L stainless steel, with stainless steel mounting hardware, for indoor and outdoor applications. Reflectors are available in sizes of 12", 14", and 16" in diameter.

#### Lamp

Operates with integrated Cree™ LED (19W max.), compact fluorescent (42W max.), metal halide (100W max.) and incandescent (150W max.) sources. Specify 3000K, 3500K, or 4000K CCT for LED systems. A dimmable 17W LED lamp is also available (120V, PAR 38, CCT 4000K, E26 base).

Note: LED systems use 120-277V supply voltage, and are not compatible with 347V. Incandescent and metal halide systems, and those using the 17W LED PAR 38 lamp, use a medium base socket (E26).

# LED Driver / Ballast

The LED source is controlled by an advanced driver to deliver consistent power.

Ballasts are integral and electronic. They are efficient with a high power factor greater than 90%, and quiet with an "A" sound rating.

## Diffuser

Globe: clear and prismatic glass globes are available for greater diffusion and lamp

Globe with Cast Guard: the combination is available for greater diffusion and more robust lamp protection.

Note: G1, G3, G11 and G11P are used with 100IN, 32CF, and 15LED max. Globes are not available with the 17W LED PAR 38 lamps.

#### Ontion

Wire Guard: a steel, chrome-plated wire guard is available for lamp protection against light projectiles, wildlife, and serves as a vandal deterrent.

# Surge Supressor

All 120V, 277V, and universal voltage fixtures are equipped with a 6kV surge suppressor.

#### Dimming

CF dimming options include the Mark 7  $\ @$  (0-10V), Mark 10  $\ @$  (line voltage), DALI (addressable), or Ecosystem  $\ @$ .

The LED dimming option is the 0-10V, current-sinking type.

Note: Use a current-sinking dimming system (by others) for LED dimming.

Compatibility of this product is not guaranteed with all control systems.

Dimming is not available with 347V systems, or for outdoor CF applications.

# **Emergency**

For CF systems, an integral, canopy-mounted emergency back-up is available, in



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Catalog Number
CAL I 12 17LED CRD 30K 120 FXX

Notes

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# **ESTABLISHED 1923**

either the standard temperature or cold temperature type.

For LED systems, integral and remote mount emergency back-ups are available, in either the standard temperature or cold temperature type.

The test switch and indicator light would be remote.

Note: The emergency option is not available with the 17W LED PAR 38 lamp.

#### Finish

Select from specialty brushed, plated, and powder-coated finishes; see the "Finishes and Diffusers" chart. Custom and RAL finishes are available by special order.

Note: A clear coat is applied to copper, yet patina will form over a period.

#### Mounting

Mount to a ceiling, directly to a standard 4" electrical junction box. Calvin is available with either a stem mount (1/2" NPT std., IP23, indoor/outdoor), or the drop cord/aircraft cable mount (10 ft. / 3.048 m max., IP20, indoor).

Follow the installation instructions, and adhere to your local electrical code.

# **Mounting Accessories**

Aircraft Cable: for drop cord mounting, the steel cable provides additional support.

Ceiling Slope Adapter: for stem mounting, keeps the pendant hanging vertically, correcting up to a 20° slope.

Note: The aircraft cable or ceiling slope adapter may be required to comply with the local seismic/earthquake code.

# Compliances

Rated IP20, for indoor locations, with the drop cord/aircraft cable mount; or IP23, for indoor and outdoor locations, with the stem mount. QPS-C/US, or UL-C/US certified to UL1598 standards. Consult the factory for the Consultants Europe (CE) certification.



# **Features**

- Provides excellent coverage and uniformity, suitable for general and localized lighting
- Available in sizes of 12", 14", and 16" in diameter
- Practical options for application and design flexibility
- Surge protection for internal components
- Quality components combined with the most current technology for high efficiency and reduced lighting costs





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# Calvin

# **TMS**LIGHTING

**ESTABLISHED 1923** 



Project: Type: Quantity:

Note: Some options may not be

compatibility between options,

please visit tmslighting.com, on the "details" page of this

luminaire, and use the

configuration tool.

compatible with others. To ensure

Notes:

1 • Location

Indoor

O: Outdoor

2 • Size

12: 12" (305 mm) dia.

14: 14" (356 mm) dia. 16: 16" (406 mm) dia.

3 · Lamping

100IN: 100W Incandescent

17LED: 17W LED (supplied)

15LED: 15W LED

19LED: 19W LED (14" and 16" dia.)

26CF: 26W PL-T 32CF: 32W PL-T

42CF: 42W PL-T (14" and 16" dia.)

70MH: 70W MH (E-17)

4 • Mounting

CRD: Drop cord 120"

CRD: CF Drop cord 120"

CRD: MH Drop cord 120"

C\_: Stem mount 1", 6", 12", 18", 24", 36", 48" or 60"

7 • Finish

Please Confirm

Specialty

BR: Brushed aluminum

CO: Solid copper (brushed; stem mount would be black)

SS: Stainless steel (brushed 316L; stem mount would be silver metallic)

AN: Anodized (bright)

GA: Galvanized (rough; stem mount would be flat silver)

Powder-coated

F05: White

F06: Clay brown

F08: Midnight blue

F09: Pewter

F10: Fire red

F13: Forest green

F14: Sunshine yellow

F15: Matte black

F16: Gloss black

F19: Mirror silver

F21: Architectural bronze

RAL: RAL custom color (specify) These are some popular finishes. For the

complete collage, please see the "Finishes and Diffusers" chart.

9 • Dimming

None

DIM: CF dimming (Advance Mark 10 ®)

DIMV: CF dimming (Advance Mark 7 ®; 0-10V)

DIMD: CF dimming (Advance DALI)

DIME: CF dimming (Lutron Ecosystem ®)

DIML: LED dimming (0-10V; current-sinking)

Note: Use a current-sinking dimming system (by others)

for LED dimming.

Not available with 347V systems, or for outdoor CF applications.

Compatibility is not guaranteed with all control systems.

10 • Emergency

EM: Integral CF or LED (min. operating temp. +5°C/

EMC: Integral CF or LED cold pack (min. operating temp.

EMR: Remote LED (20 ft. / 6.096 m max. distance from EM to lamp; min. operating temp. +5°C/+40°F, dry location mounting)

EMCR: Remote LED cold pack (20 ft. / 6.096 m max. distance from EM to lamp; min. operation temp. -20°C/-4°F)

5 • LED CCT (color temp.)

3000K (CRI 80)

35K: 3500K (CRI 80)

40K: 4000K (CRI 80)

6 • Voltage

120: 120V

277: 277V

347: 347V (n/a with LED)

8 • Globes

G1: Clear, elongated globe

G3: Prismatic, elongated globe

G11: Clear, elongated globe with cast guard G11P: Prismatic, elongated globe with cast guard

Note: Globes are not available with the 17W LED PAR 38 lamps.

G1, G3, G11 and G11P are used with 100IN,

32CF, and 15LED max.

11. Mounting Accessories

BL: Ceiling slope adapter for stem mount (20° slope max.) ACC: Aircraft cable for drop cords (10 ft. / 3.048 m length)

Note: ACC or BL may be required to comply with the local seismic/earthquake code.

12 · Wire Guard

W12: 12" Wire guard W14: 14" Wire guard

W16: 16" Wire guard