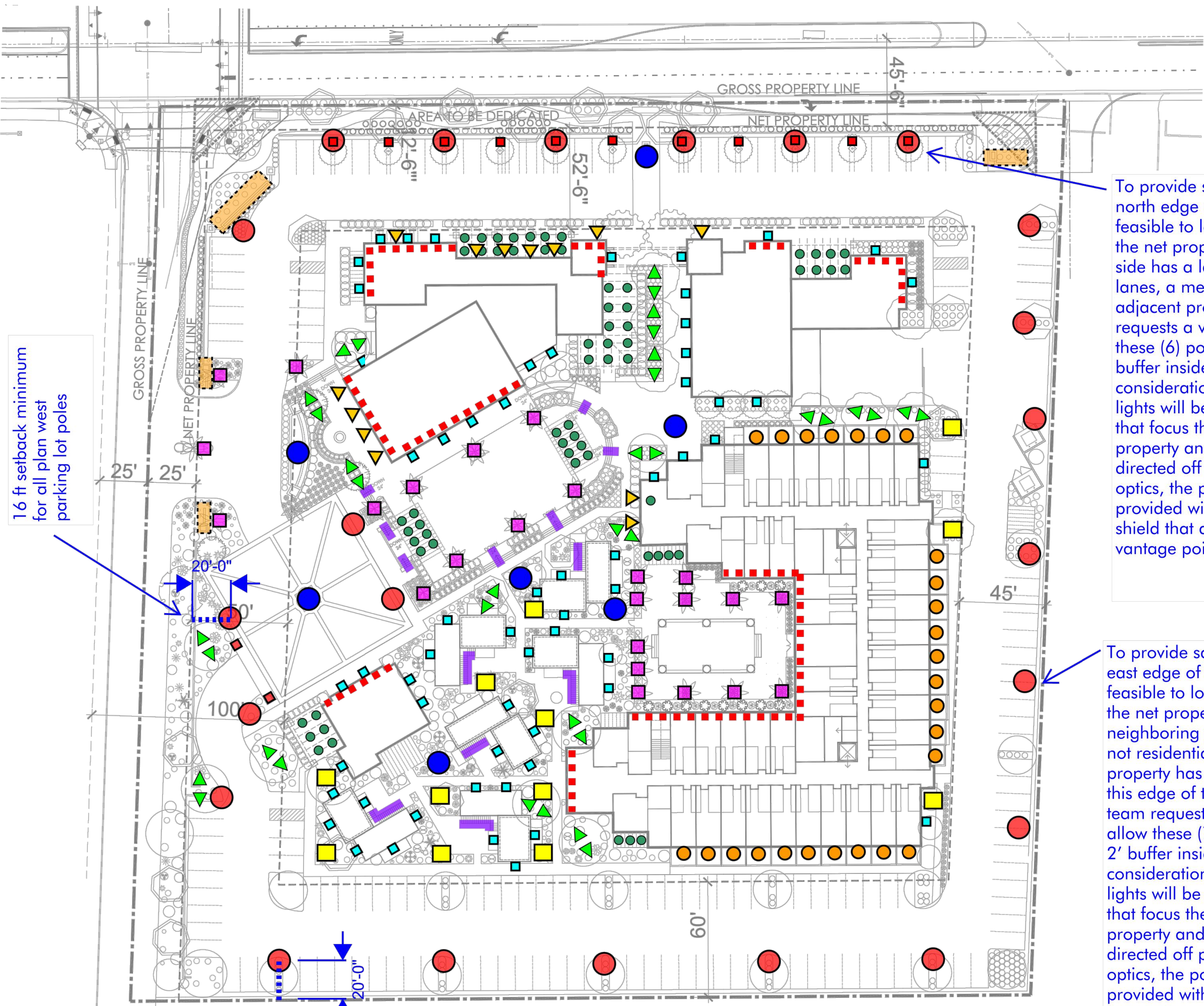


GROUND LEVEL LIGHTING



To provide safe levels of lighting on the north edge of the property, it may not be feasible to locate the pole lights 16' from the net property line. Note that the north side has a landscape buffer, 4 traffic lanes, a median, and wall between adjacent property. The design team requests a variance to the code to allow these (6) poles to be placed in the 2' buffer inside the property line. In consideration of this request, all pole lights will be provided with fixture optics that focus the light to aim onto our property and minimize light being directed off property. In addition to the optics, the pole fixtures will also be provided with a physical house-side shield that additionally block glare from vantage points off property.

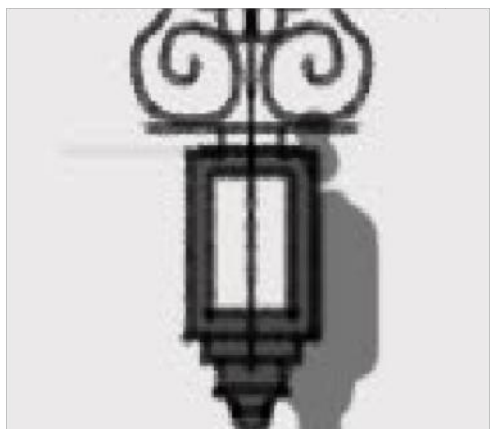
To provide safe levels of lighting on the east edge of the property, it may not be feasible to locate the pole lights 16' from the net property line. Note that the neighboring property on the east side is not residential and that this commercial property has parking and drive lanes at this edge of their property. The design team requests a variance to the code to allow these (7) poles to be placed in the 2' buffer inside the property line. In consideration of this request, all pole lights will be provided with fixture optics that focus the light to aim onto our property and minimize light being directed off property. In addition to the optics, the pole fixtures will also be provided with a physical house-side shield that additionally block glare from vantage points off property.

16 ft setback minimum for all plan west parking lot poles

16 ft setback minimum for all plan south parking lot poles



Custom backlit signage, light source completely shielded with no footcandle impact on ground, 2700K



Custom decorative fixture with semi-opaque glass panels to obscure light source, max 250 lumens



Submersible fixtures in water features by water feature consultant



TYPE BL
Symmetric bollard
fixture for way-finding



TYPE GU
Ground mounted landscape
fixture for accenting select
trees



TYPE HR
Handrail mounted puck
LED lights for safe
stair lighting



TYPE LU
Flush-to-grade fixture to uplig
landscape, pots, and key
architecture, max 250 lumen



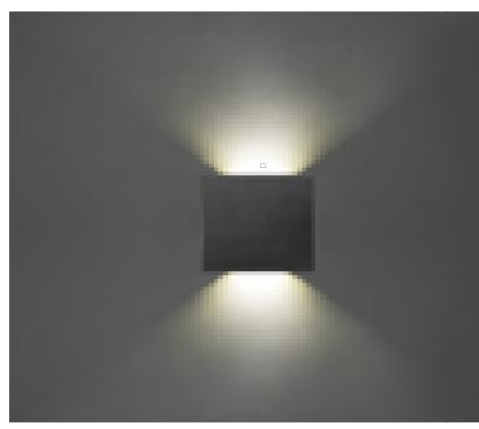
TYPE LT
Adjustable accent light trellis
mounted and concealed from
most vantage points



TYPE SA
Post-top thematic pole,
16' max pole height
(dark sky friendly with
house-side shield & optics)



TYPE TR
Palm tree ring for grazing
down sides of textured tree,
16' max mounting height



TYPE WP
Thematic wall sconce
for ambient illumination
& way-finding



TYPE WS
Decorative wall
sconce for patios
(dark sky friendly)



CREATIVE DESIGNS
IN LIGHTING



15982 N. 78th St. Suite A
Scottsdale, Arizona 85260

602.248.7822
design@cdltg.com
www.cdltg.com

1978 41 2019
years of architectural
lighting design

SMOKE TREE RESORT
7101 E LINCOLN DR, PARADISE VALLEY, AZ 85253

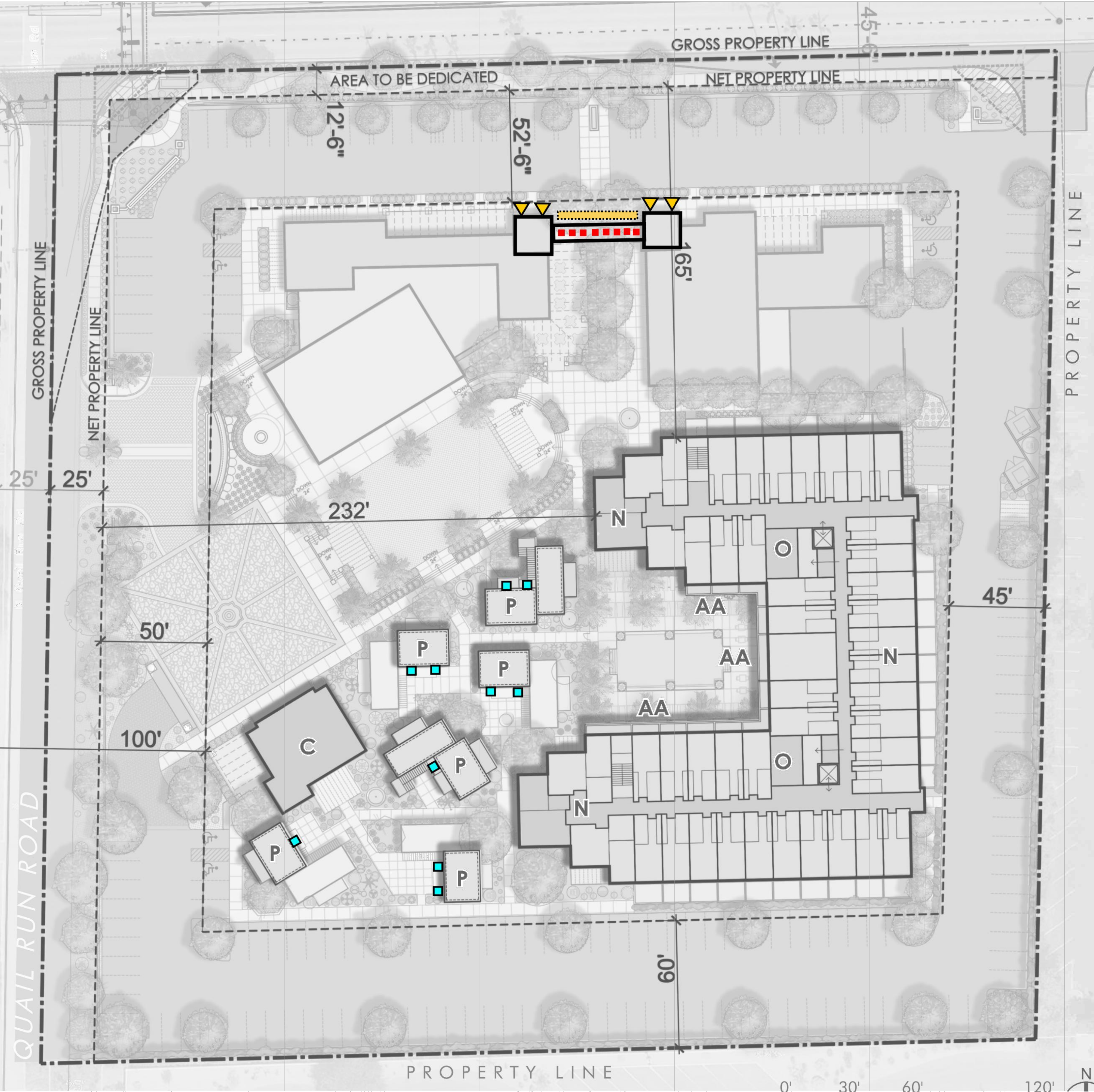
REVISIONS		
△		
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DATE	08-24-2020
SCALE	NTS
PROJECT NUMBER	116325-19
DRAWN BY	JG
CHECKED BY	MG
SHEET NAME	

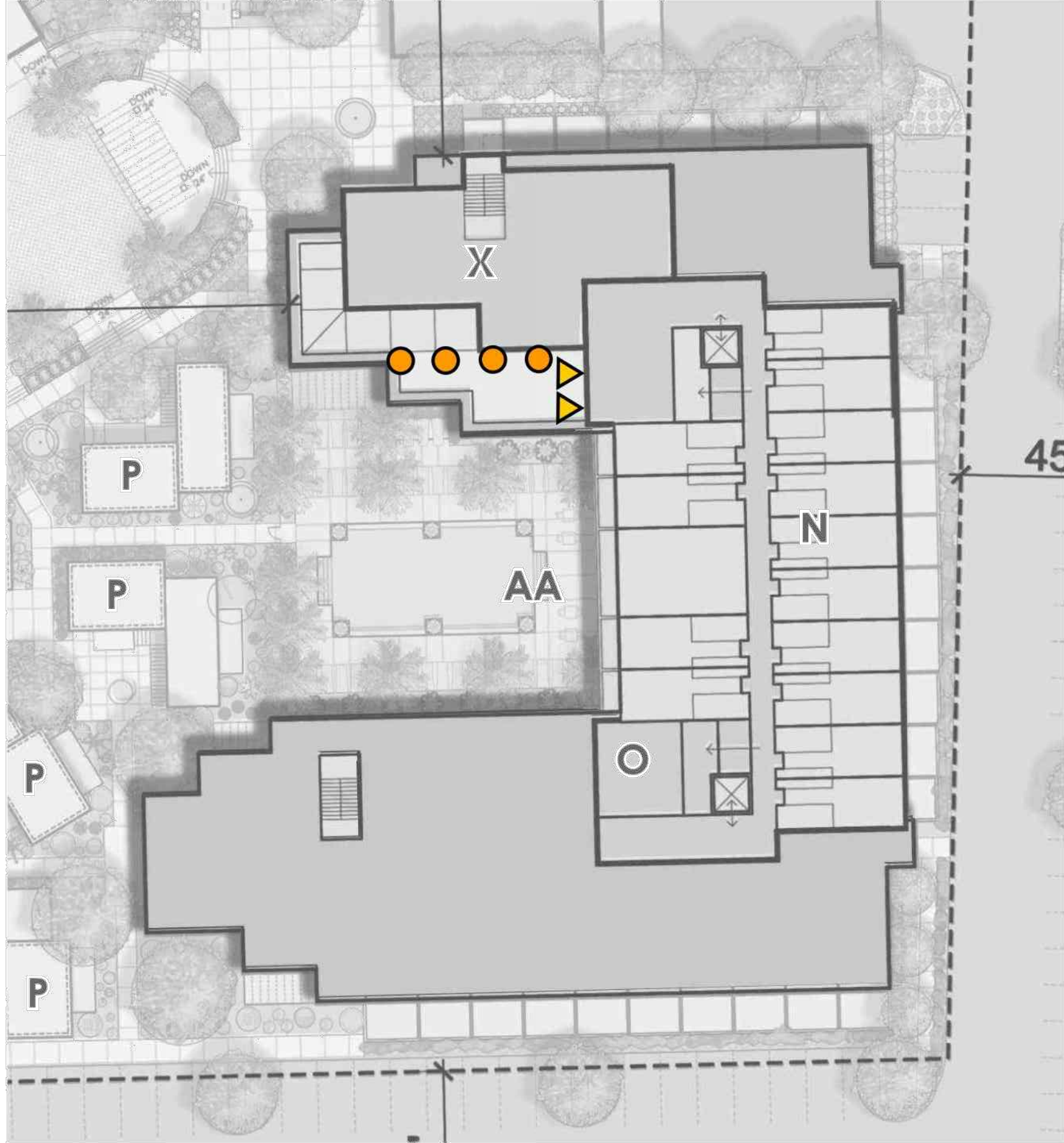
GROUND LEVEL
LIGHTING PLAN

SHEET NUMBER
AL3

SECOND LEVEL LIGHTING



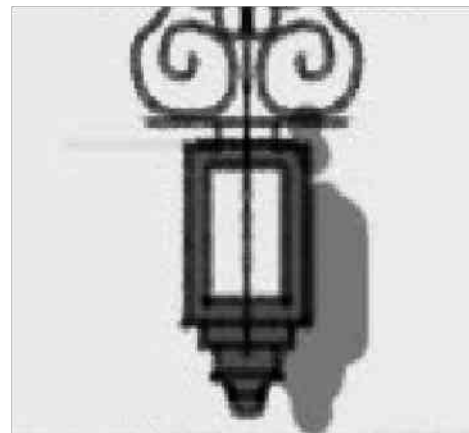
THIRD LEVEL LIGHTING



Custom backlit signage, light source completely shielded with no footcandle impact on ground, 2700K



TYPE WP
Thematic wall sconce for ambient illumination & way-finding



Custom decorative fixture with semi-opaque glass panels to obscure the light source, max 250 lumens



TYPE LU
Flush-to-grade fixture to uplight pots and key architecture, max 250 lumens



TYPE WS
Decorative wall sconce for patios (dark sky friendly)



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REVISIONS		
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△		
△		

DATE	08-24-2020
SCALE	NTS
PROJECT NUMBER	116325-19
DRAWN BY	JG
CHECKED BY	MG
SHEET NAME	

2ND & 3RD LEVEL
LIGHTING PLAN

SHEET NUMBER
AL4



CREATIVE DESIGNS
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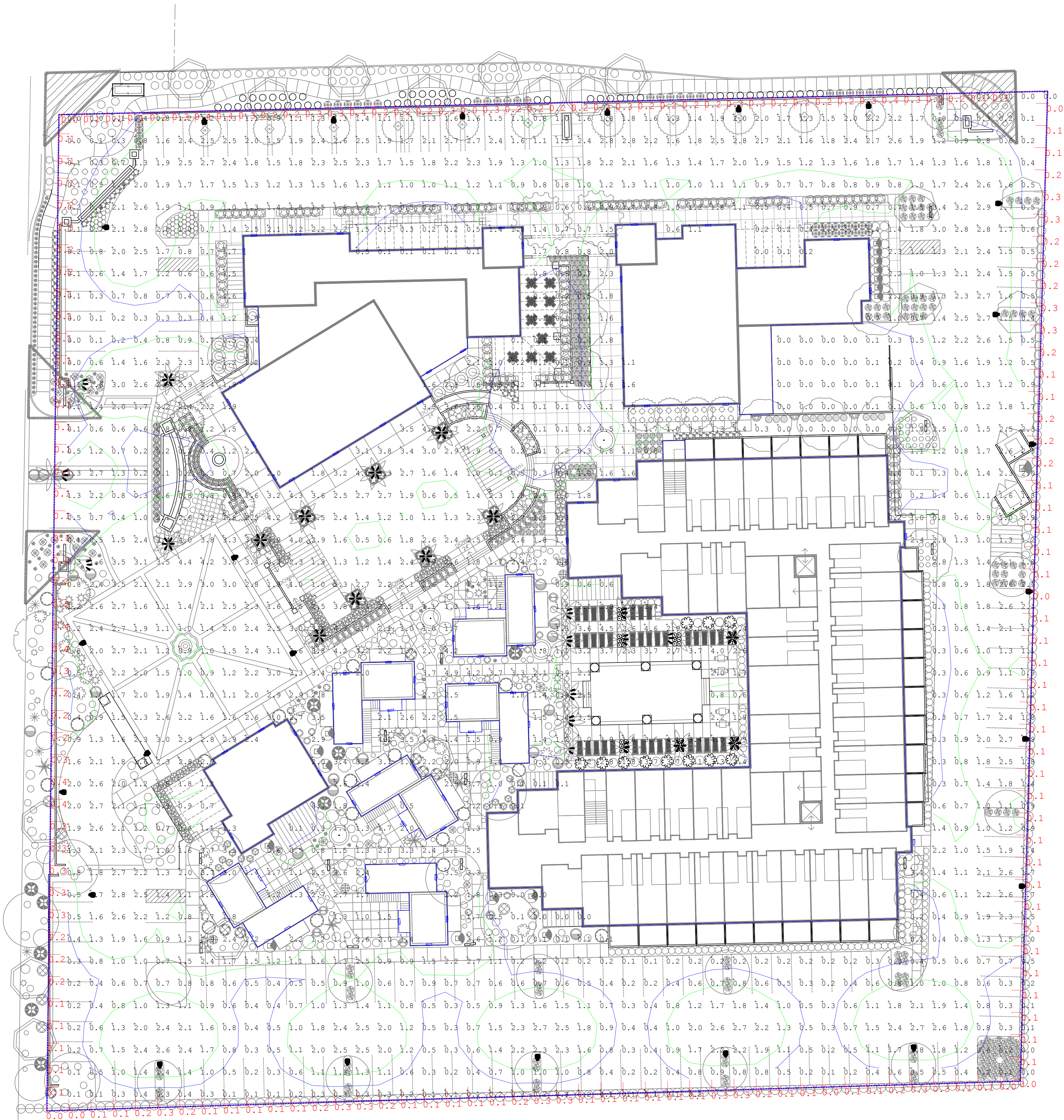
REVISIONS		
△		
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DATE	08.24.2020
SCALE	NTS
PROJECT NUMBER	116325-19
DRAWN BY	JG
CHECKED BY	MG
SHEET NAME	

GROUND LEVEL
PHOTOMETRY PLAN

SHEET NUMBER

AL5

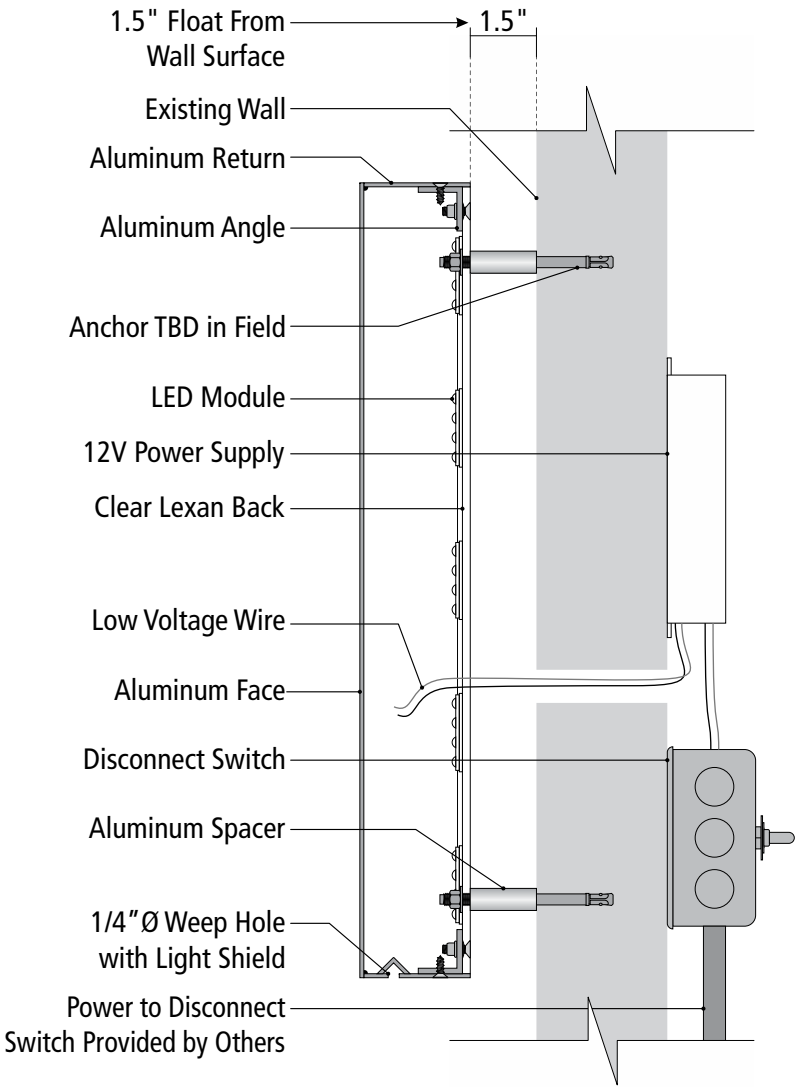


Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	
Light Trespass Calc	Illuminance	Fc	0.18	0.5	0.0	
Entrance Rd Interior Drives	Illuminance	Fc	1.08	4.4	0.0	
Pool Deck Function Areas	Illuminance	Fc	1.62	4.9	0.0	

DESIGN DEVELOPMENT SET - NOT FOR CONSTRUCTION



Custom backlit signage,
light source completely
shielded with no footcandle
impact on ground, **2700K**



This sign is intended to be installed in accordance with the requirements of article 600 of the national electrical code and/or other applicable local codes. This includes proper grounding and bonding of the sign. The location of the disconnect switch after installation shall comply with Article 600.6(A)(1) of the National Electrical Code. All signs fabricated as per 2008 N.E.C. Standards.

TYP. HALO ILLUMINATED LETTER SECTION

scale: nts

 Gretchen Wilde, owner / designer 1205 N. Miller Road Tempe, AZ 85281 480.966.6565 / 480.966.5668 (f) signs@airparksigns.com	Address	NOTES:		trc th	Phoenix Architecture	08.24.20
		Approved By: _____ Date: _____				Letter Section 1 PAGE



CREATIVE DESIGNS
IN LIGHTING



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lighting design

SMOKE TREE RESORT
7101 E LINCOLN DR, PARADISE VALLEY, AZ 85253

7101 E LINCOLN DR. PARADISE VALLEY, AZ 85253

REVISIONS

DATE
08.24.2020
SCALE
N.T.S.
PROJECT NUMBER
116325-19
DRAWN BY
JG
CHECKED BY
MG

SHEET NAME

LIGHTING CUTSHEETS

SHEET NUMBER

AL1

TYPE "BL"

VOLTAIRE CONCRETE BOLLARD – ARCHILINEAR

VCBA

LED

CATALOG #

TYPE

PROJECT:

NOTES:

EXAMPLE

VCBA – L9/830 – NC – AB – OPTIONS – 120

SIZES

LUMEN

COLOR

FINISH

ANCHOR

OPTIONS

VOLTAGE

SIZES

LUMEN

COLOR

FINISH

ANCHOR

OPTIONS

VOLTAGE

CROSS SECTIONS

FEATURES

- Concrete housing complements gardens, pathways, and pedestrian-area applications
- Aesthetically designed to blend seamlessly with a variety of architectural style
- Provides accent and security lighting
- Symmetric distribution
- Available in four concrete colors with light sandblast or glazed protective finish
- Engineered with the highest quality materials to ensure reliability and performance
- Rated >60,000 hours at 70% lumen maintenance (L70)
- ANSI 3000K, 4000K, or 5000K CCT
- Minimum 80 CRI
- Integral heatsink provides optimal passive thermal management
- Rated for -50°C to 40°C ambient operating temperature
- Direct line driven LED module
- This fixture is proudly made in the USA

ORDERING INFORMATION

SERIES

VCBA Voltaire Concrete Bollard – Archilinear

LED PACKAGE

Nominal lumens based on 120V input. See back for fixture performance data.

EXAMPLE L9/830			
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	ANCHOR MOUNTAGE
L9	830	830 – 80 CRI 3000K 840 – 80 CRI 4000K 850 – 80 CRI 5000K	17

CONCRETE FINISH

SANDBLAST FINISH

NC Natural
BF Buff
BN Brown
CP Copper

GLAZED SANDBLAST FINISH

L-GC Natural with glazed protective sandblast
B-GC Brown with glazed protective sandblast
B-GC Buff with glazed protective sandblast
C-GC Copper with glazed protective sandblast

ANCHOR BOLTS

LAB

PAB

Anchor bolts (4 each, shipped with fixture)¹
Less anchor bolts
Pre-shipped anchor bolts (4 each)¹

OPTIONS

SFW

DFW

Single fuse, wet location (120V, 277V, or 347V only must specify voltage)
Double fuse, wet location (208V, 240V, or 480V only must specify voltage)

VOLTAGE

120

208

240

277

347

480

277V (integral stepdown transformer)

347V (integral stepdown transformer)

480V (integral stepdown transformer)

¹ Four 3/8" x 12" cast in galvanized steel anchor J-bolts. Mounting template included.

H.E. Williams, Inc. • Carthage, Missouri • www.hewm.com • 417-358-4005

Boilers
Page 1 of 2

HK USA Lighting Group

TYPE 'GU'

ZX16-SOI

Area Accent ▲ ZX16 Series

Characteristics

- Listed
- Standard
- Solar compatible
- Wet/Dry location rated.
- Swivel Stem | facilitates 355° deg. rotation for aiming precision on any installation plane.
- Integral Thermal dissipation for the SORAA MR16 LED in a compact, aesthetic fixture.
- US patented.
- Reduces LED junction temperature by a tested 20-30C(68-86F).
- Allows entire catalogue of SORAA LED MR16 lamps to be used in an enclosed fixture without sacrificing the performance of the light bulb.
- For lamp selections, please refer to <http://www.soraa.com/products/specs-GUS-3-US>

Technical Data

Material	Housing/Cap/Stem - Machined silicone magnesium aluminum alloy 6061-T61 resistant to corrosion Stainless steel (SS304) hardware
Lamp	Soraa MR16
Dimmability	ELV, MLV
Hoods	A, B, C
Socket	Bi-pin, GX5.3
Voltage	12V
Color Temp	2,7K, 3K, 4K, 5K
Power Supply	Integral LED Driver

PROJECT

FIXTURE TYPE

Ordering Guide

Series	ZX16-SOI		
Hoods	A	B	C
Glare Shields (optional)	GSL USA GSS		GSL USA GSS
Voltage	12V		
Lamp	Soraa MR16		
Socket	Bi-pin GX5.3		
Color Temp	2,7K 3K 4K 5K		
Stem (optional)	SSS		
Finish	BR (black) BLZ (bronzite) WT (white) ABK (anodized black) ACL (anodized clear) NPS (natural brass) CC (custom)		

105 480 4881 FAX 805 480 4811 sales@hklightinggroup.com

ALPHA[®] LED[®] HANDS

Alpha[®] by Leda Brands

1574 Gateway Circle
Tustin, CA 92780

PH: 714.259.9959
FAX: 714.259.9959

www.alphaledhands.com

TYPE 'H'

Job Name:

Contact:

Ordering Code:

Fixture Type:

ZETA750

Description

The ZETA750 Series Puck is the most flexible and vandal resistant LED handrail lighting module on the market, offering unrivaled uniformity and photometric performance. Designed with the specifier in mind, it accommodates a wide range of options of beam distribution for a clean design.

The pucks can be installed in new handrail or retrofit into existing handrail, flat or oval metal structures and surfaces. Powerful yet small and unobtrusive, make the Handrail Puck ideal for incorporation into street sculptures, illuminating artwork or to wash walls with clean, white LED light.

The ZETA750 is engineered of electroplated 316 stainless steel. Other custom materials are available including aluminum, brass, and super-durable stainless steel (which offers exceptional corrosion resistance), as well as custom painted finishes. Please consult factory for these custom options.

At standard handrail height the pucks provide 11 foot-candles at the surface below. They are offered with wide, round, and asymmetric beam patterns. ETL wet rated for outdoor applications. For round handrail, the LED pucks are field installed with use of the ZETA750 series Drill Tool Kit. For flat surface the installer may use their own drill bits and threading tape. Please refer to the installation instructions.

Housing

Extremely durable 316 stainless steel marine grade housing, with 0.5" (12.7mm) 20AWG wire leads. Choice of Thin Wall (recommended for ease of installation), or Heavy Wall. Curved face or flat face options available in three different beam patterns 60°, 90° asymmetric, and 120°.

Mounting

Type of Surface- Install in metal surface only for proper thermal dissipation. Luminaire is for use in non-intrinsically recessed surfaces.

Fixing Rating - C98.0mm, 1.466in to 160.0mm, 3.937in.
Thin Wall Puck minimum wall thickness - 1.5mm, 0.059in.
Heavy Wall Puck minimum wall thickness - 2.5mm, 0.088in.

Minimum distance between lights - 101.6mm, 4.000inches (center to center), Max 16 lights may be connected in series.

Electrical / LED Driver

- 3VDC, 500mA, 15W (Remote Driver Required)

Listings

- ETLus Listed to UL1018 (suitable for wet locations)

- cETL Listed to CSA C22.2 #250.0

- Impact tested to IRT (EN62262)

- IP66 rated

- A2KA Compliant when using handrail diameter 31.75mm (1.25") to 38.1mm (1.5") O.D.

LED Performance

LED:	Cree XPG	Lumens:	CT:
UWB:	.001	194 lm	2700K
CTL:	2700K, 3000K, 4000K, 5000K	111 lm	3000K
CRI:	>80	119 lm	4000K
Life:	90% at 51k hrs based on LM-80 testing	127 lm	5000K
Warranty:	5 year limited warranty		
	*At 5000K CRI >70		

Ordering Codes

Follow the steps to specify your fixture, example: 750 - 4 - 2 - 1 - 1

Part Number	CCT	Beam	Face Type	Wall Thickness
750 Rail Puck	2	2700K	1 Curved	1 Heavy
	3	3000K	2 Symmetric 60°	2 Thin
	4	4000K	3 Asymmetric 90°	
	5	5000K		

Heavy Wall Curved Face

- Mounts to pipe size: Ø38mm - Ø100mm
- Wall thickness ≥ 2.5mm
- Mounting thread: M16x1mm
- Requires counterbore Ø16mm x 1.8mm T

Thin Wall Curved Face

- Mounts to pipe size: Ø38mm - Ø100mm
- Wall thickness ≥ 1.5mm
- Mounting thread: M16x1mm

Heavy Wall Flat Face

- Mounts to flat surfaces
- Wall thickness ≥ 2.5mm
- Mounting thread: M16x1mm
- Requires counterbore Ø16mm x 1.8mm T

Thin Wall Flat Face

- Mounts to flat surfaces
- Wall thickness ≥ 1.5mm
- Mounting thread: M16x1mm

LM-79

By a company affliated with the best quality possible we warrant the light's to shine, without noise, specifications or materials that we or anyone will not alter the function of the product, 11/25/2017 | ZETA750 | Page 3

TYPE 'L'

Lumière

DESCRIPTION

Cambrisa 203 is a low, voltage dimmable LED and halogen MR16 luminaire. It is available with a fully adjustable side swivel (model 203-FSL), an adjustable center rear swivel (203-CRS) or a stationary rear flush mount (203-FM). Side swivel models 203 and 203-FSL provide 340° and 360° rotation. Center rear swivel model CRS provides 200° tilt and 360° rotation. Various lenses, louvers and color or dichroic filters can be combined - up to three at once - to create multiple lighting effects. The Lumière exclusive Spingo Protection System (SPS) prevents water from siphoning into the fixture through its own lead wires.

SPECIFICATION FEATURES

Material

Housing, hood and mounting brackets are precision-machined from corrosion-resistant ball cast 6061-T6 aluminum. CS20 brass, CS32 bronze, C110 copper or 303/304 stainless steel.

Finish

Fixtures constructed from 6061-T6 aluminum are double protected by an RHOX compliant chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. A variety of standard colors are available.

Brass, Bronze, Copper or Stainless Steel

Fixtures coated with brass, bronze, copper or stainless steel are left unpainted to reveal the natural patina of the material. Brass, bronze and copper will patina naturally over time.

Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once. Lenses, louvers, filters to achieve multiple lighting effects. Model 203, CS20-FSL and 203-FM Wex holes prevent water and mineral salts from collecting on the lens, even in the straight-up position. Model 203-FSL The Flush lens design helps fixture length minimizes debris collection and prevents water and mineral salts from collecting on the lens.

Gasket

Housing and hood are sealed with a high temperature silicone gasket to prevent water intrusion.

Lens

Tempered glass lens, factory sealed with high temperature silicone to prevent water intrusion and breakage due to thermal shock.

Catalog #

Project

Comments

Prepared by

Type

Date

Mounting Stem

Model 203 and 203-FSL include fully adjustable side-mounted swivel stem, providing 340° and 360° rotation for any lighting. Center rear swivel (203-CRS) or stationary rear flush mount (203-FM) stems are also available. All models include 1/2" NPS threaded male fitting. Stainless steel anti-shock mechanisms are standard (not available on 203-FM). Lumière exclusive Spingo Protection System (SPS) prevents water from siphoning into the fixture through its own lead wires.

Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

Socket

Ceramic socket with 260° C Teflon® coated lead wires and GULS 3-pin base.

Electrical

120V/150V transformer required (not included). NOTE: Input power draw on LED equipped fixtures is 15 watts. When using transformer use 15 watts per LED fixture. Nominal power draw after start up is 15 watts or 10 watts accordingly. Also, LEDs are more voltage sensitive than standard halogen MR16 lamps. The LED module is designed to operate between the 10 and 13 volts. Any less or more voltage can cause premature failures.

Lamp

Halogen lamp not included. LED modules are included and are available in four color temperatures (2700, 3000, 4000, and 5200) and three distributions (spot, narrow, and flood). Both color temperature and distribution must be specified when ordering. Some lamp compatible (10W Max).

203

CAMBRIA

LED

HALOGEN

APPLICATIONS:

ACCENT / FLOOD

Technical diagrams of Lumière 203 luminaire models showing beam angles and dimensions:

- 203**: Side view showing beam angle 340° and dimensions 1.3" (33mm) height, 1.6" (41mm) width, and 1.6" (41mm) depth.
- 203-FSL**: Side view showing beam angle 360° and dimensions 1.3" (33mm) height, 1.6" (41mm) width, and 1.6" (41mm) depth.
- 203-CRS**: Top view showing beam angle 200° and dimensions 1.6" (41mm) width and 1.6" (41mm) depth.
- 203-FM**: Top view showing beam angle 180° and dimensions 1.6" (41mm) width and 1.6" (41mm) depth.

CERTIFICATION DATA

UL and ULX. Wet Location Listed
LMFV, LMN, GEM, and GEM-2

RoHS Compliant

RoHS Compliant

RoHS Compliant

RoHS Compliant

RoHS Compliant

RoHS Compliant

RoHS Compliant

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RoHS Compliant

RoHS Compliant

ORDERING INFORMATION

Sample Number: 203-FSL50M16-12-NS

Series	Construction	Source	Beam Angle	Voltage	Finish
203-LED-15W Cambrisa Accent Fixtures	Standard Side Swivel Stem, 12" NPS CS-20 Brass Rear Swivel Stem, 12" NPS FL-Flush Flush Mount, 12" NPS FL-Flush Lens, Side Swivel Stem, 12" NPS	50M16-12-NS 60-60-60-60 100-100-100-100 40-40-40-40 40-40-40-40 40-40-40-40			

VCBA

VOLTAIRE CONCRETE BOLLARD –

TYPE “BL”

LED

Catalog # VCBA-19/849-NC

SPECIFICATIONS

Housing – Steel reinforced precast concrete with a light sand-blasted finish.

Thermal Management – Integral aluminum heat-sinks and LED sleeves provide passive thermal management. Rated -20 °C to 40 °C ambient operating temperature.

LED Housing – High-grade cast aluminum with superior corrosion resistance. Silver-polyester powder-coat finish bonded to phosphoric-free, multi-stage protected metal, meets and exceeds AAMA 2604 specifications for outdoor durability.

LED Module – High quality mid-power LED chips. L70-160,000 hours.

Electrical – 100A/10KV surge protection standard.

Mounting – Minimum 4" recessed in ground with four-point bolt or galvanized 1/4" A308 steel baseplate. For accurate installation a false-cure mounting template is provided with each bollard and anchor bolt fixture. Fixture weight: 220 lbs.

Hardware Package – Grounded stainless steel plate with precast concrete secured with variable stainless toe fasteners.

Labels – CSA-cs certified as luminaires suitable for wet locations.

Certifications & Qualifications

- Calculated 35,000 lumens maintenance will exceed 50,000 hours per IES TM-21.
- IES Dark Sky approved.
- Tested to IES LM-79-08 standards.

RoHS Compliant

Warranty – 5-year limited warranty, see www.vcwa.com/warranty.

PHOTOMETRY INFORMATION

TEST REPORT INFORMATION

- Test Report # ATAL00242-R2
- Date: 05/27/15
- Rated Lumens: 332
- Watts: 16.8
- Lumens Per Watt: 55.3
- CRI: 81
- CCT: 3797K

FOOTCANDLE DISTRIBUTION

FIXTURE PERFORMANCE DATA

LED Package	Voltage	Flux (lm)	CRI	Wattage
LV830	120	888	83	17
LV840	120	889	81	17
LV850	120	888	82	17
LV830	208	818	83	16
LV840	208	831	81	16
LV850	208	856	82	16
LV830	240	822	83	15
LV840	240	844	81	15
LV850	240	865	82	15
LV830	277	826	83	20
LV840	277	849	81	20
LV850	277	870	82	20
LV830	347	894	83	19
LV840	347	884	81	19
LV850	347	904	82	19
LV830	480	822	83	19
LV840	480	844	81	19
LV850	480	865	82	19

MOUNTING DETAILS

MOUNTING TEMPLATE

Mounting template is provided with each order. A pdf file (not to scale) of the mounting template is available at www.vcwa.com.

Bollards
Page 2 of 2

H.E. Williams, Inc. • Carthage, Missouri
Information contained herein is subject to change without notice.

• www.vcwa.com • 417.359.4805
HEW00068 REV05/07

SORAA LED MR16 7.5W

SORAA
TYPE 'GU'

OUTPUT RANGE: VIVID SERIES	390-455 lumen; CRI=95, R9>90
OUTPUT RANGE: BRILLIANT SERIES	475-525 lumen; CRI=80
BEAM ANGLE RANGE	10°, 25°, 36°
COLOR TEMPERATURE RANGE	2700K, 3000K, 4000K, 5000K
APPLICATION	Halogen replacement for indoor & outdoor applications

POINT SOURCE OPTICS

Exceptional beam control enables nearly 10° narrow spot and smooth uniform beams

Single light source, single crisp shadow

PP3 VIVID COLOR AND VP3 NATURAL WHITE

VIVID series provides accurate color rendering across the visible spectrum from 400nm to 700nm; CRI=95, R9>90

Accurate color rendering across with >90% excitation of optical Brightening Agents with emphasis on extending 400nm to 440 nm

ENERGY EFFICIENCY AND LONG LIFE

5% more energy efficient than standard halogen lamps

Typical payback of one year or less

Rated lifetime of 35,000 hours. Three year warranty

CERTIFICATIONS

UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE

GENERAL SPECIFICATIONS

Form Factor	Operating Temperature	Electrical
Width: 50.1mm (1.97")	Minimum: -40°C (ambient)	Wattage: 7.5W Dimmable to < 20%
Height: 45.5mm (1.79")	Typical: 85°C - 95°C (base)	Power factor: 0.92 Frequency: 50/60Hz
Weight: 47g	Maximum: 100°C (base)	Voltage: 12V +/- 12V

COLOR RENDERING

DIMENSIONS

Soraa Inc. 6500 Kaiser Drive, Suite 110, Fremont, CA 94555
855 GO-SORAA / 855 467-6722 www.soraa.com

ALPHABET
LED® brands

Alphabet by Ledra Brands

15774 Gateway Circle
Tustin, CA 92780

PH: 714.259.9959
FAX: 714.259.9999

TYPE 'H'

Job Name:	Contact:
-----------	----------

Ordering Code:	Fixture Type:
----------------	---------------

60° STANDARD BEAM

W = Path Width H = handrail height (800mm nominal) S = LED spacing

STANDARD BEAM - LIGHT FROM ONE SIDE

path width	1.2m	2.0m	3.0m	4.0m					
LED Spacing	lx	u	lx	u	lx	u	lx	u	lx
0.5m	107	0.67	82	0.51	61	0.31	47	0.19	
1.0m	55	0.76	41	0.58	31	0.34	24	0.21	
2.0m	27	0.78	21	0.59	15	0.34	12	0.21	

lx = average lux u = uniformity color temp = 3000K

90° VERTICAL ASYMMETRIC

W = Path Width H = handrail height (800mm nominal) S = LED spacing

STANDARD BEAM - LIGHT FROM ONE SIDE

path width	1.2m	2.0m	3.0m	4.0m					
LED Spacing	lx	u	lx	u	lx	u	lx	u	lx
0.5m	95	0.8	73	0.45	52	0.71	40	0.15	
1.0m	48	0.89	37	0.51	27	0.23	20	0.16	
2.0m	23	0.89	18	0.51	13	0.23	10	0.16	

lx = average lux u = uniformity color temp = 3000K

STANDARD BEAM - LIGHT FROM BOTH SIDES

path width	1.2m	2.0m	3.0m	4.0m					
LED Spacing	lx	u	lx	u	lx	u	lx	u	lx
0.5m	193	0.89	148	0.8	105	0.77	81	0.62	
1.0m	97	0.9	74	0.8	53	0.86	41	0.66	
2.0m	48	0.84	37	0.8	27	0.84	20	0.68	

lx = average lux u = uniformity color temp = 3000K

120° VERTICAL SYMMETRIC

W = Path Width H = handrail height (800mm nominal) S = LED spacing

STANDARD BEAM - LIGHT FROM ONE SIDE

path width	1.2m	2.0m	3.0m	4.0m					
LED Spacing	lx	u	lx	u	lx	u	lx	u	lx
0.5m	147	0.7	113	0.4	79	0.12	58	0.02	
1.0m	74	0.71	57	0.44	40	0.12	29	0.02	
2.0m	36	0.22	28	0.11	19	0.03	14	0.01	

lx = average lux u = uniformity color temp = 3000K

STANDARD BEAM - LIGHT FROM BOTH SIDES

path width	1.2m	2.0m	3.0m	4.0m					
LED Spacing	lx	u	lx	u	lx	u	lx	u	lx
0.5m	195	0.87	103	0.56	61	0.12	46	0.02	
1.0m	95	0.88	52	0.62	32	0.11	24	0.02	
2.0m	43	0.25	25	0.15	15	0.05	11	0.01	

lx = average lux u = uniformity color temp = 3000K

FULLY SHIELDED LIGHTING

In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. \$115.10 / 1' ZET47510 Page 3 of 3

TYPE 'A'

OPTICAL CHARACTERISTICS - ORDER SPECIFICATION

Fluorescent (2.00" Diameter)	Optical Lens (2.00" Diameter)	Optical Lens (2.00" Diameter)
F71 = Pinch Diffuse; F72 = Amber Diffuse; F73 = Green Diffuse; F74 = Neon Blue; F75 = Yellow Diffuse; F76 = Clear Diffuse; F77 = Dark Blue Diffuse; F78 = Light Blue Diffuse; F79 = Neutral Diffuse; Diffuse; F80 = Magenta Diffuse; F82 = Red Color; F83 = Blue Color; F84 = Green Color; F86 = Yellow Color; F88 = Mercury Vapor	LLC=Linear Spread Lens (adjusts standard beam spread) DF=Diffused Lens (provides even illumination) OAS=Overall Spread Lens (increases standard beam spread)	LWH=40° Hex Cool Color (increases glare)

MOUNTING ACCESSORIES - ORDER SPECIFICATION

Ground Mounting
GS01 = 1/2" x 2 1/2" (30mm x 177mm) cast the ground spike. GS02 = 2 3/8" x 5/8" (90mm x 16mm) aluminum ground spike with integral 1/2" wiring compartment. Specify powder paint finish (BK, RZ, CS, LW, VT). GS04 = 1" x 1/8" (25mm x 43mm) aluminum ground spike with integral 1/2" wiring compartment. Specify powder paint finish (BK, RZ, CS, LW, VT). GS05 = 1" x 1/8" (25mm x 43mm) black polycarbonate ground spike with 1/2" height adjustment, requires hole with notched dim. GS06 = 2" x 1/8" (50mm x 26mm) plate base brass spiral ground spike. GS08 = 1 3/8" x 1/8" (35mm x 23mm) black ABS ground spike. GS09 = 3/8" x 1/8" (25mm x 16mm) brass stainless steel 3 prong ground spike.
Surface / Wall Mounting
FS1 = 2 3/8" x 4 5/8" (73mm x 117mm) rectangular wall plate or box with single 1/2 NPS mounting hole. FS2 = 2 3/8" x 4 5/8" (73mm x 117mm) rectangular wall plate or box cover with dual 1/2 NPS mounting holes. RS1 = 4 1/2" (114mm) machined aluminum standard round wall plate with single 1/2 NPS mounting hole. RS2 = 4 1/2" (114mm) machined aluminum standard round wall plate with single 1/2 NPS mounting hole. TM1 = 2 3/8" x 1 1/2" (30mm x 38mm) round mount for installation on trees or other wood surface (1/2 NPS mounting hole). TM2 = 3 1/8" x 2" (38mm x 51mm) rectangular treasurface mount with wiring compartment and single 1/2 NPS mounting hole. LM = Low Voltage Tree Mounting - specify finish (BK, RZ, CS, LW, VT).

LAMP OR LED MODULE PLACEMENT

CAMBIA 200 MR16 HALOGEN PHOTOMETRY DATA

CONE OF LIGHT		Horizontal Illuminance on Surface - Cambia 200 Standard Recessed Hood - 50W MR16	
Distance	Beam Diameter	Distance	Beam Diameter
1' 0"	5.0W MR16 NSP	1' 0"	5.0W MR16 NSP
Distance	FC Beam Diameter	Distance	FC Beam Diameter
2' 0"	2.50" 16°	2' 0"	2.50" 16°
4' 0"	1.25" 10°	4' 0"	1.25" 10°
6' 0"	0.83" 6°	6' 0"	0.83" 6°
8' 0"	0.63" 5°	8' 0"	0.63" 5°
10' 0"	0.50" 4°	10' 0"	0.50" 4°
12' 0"	0.42" 3°	12' 0"	0.42" 3°
15' 0"	0.33" 2°	15' 0"	0.33" 2°

CCT MULTIPLE TABLE

LAMP/TEMPLATE	MULTIPLIER	Lamp	200 50MR16 2-8 BK,FL,LS	Lamp	200 50MR16 2-8 BK,FL,LS
20W	0.32	Distance	FC Beam Diameter	Distance	FC Beam Diameter
30W	0.57	2' 0"	2.50" 16°	2' 0"	2.50" 16°
		4' 0"	1.25" 10°	4' 0"	1.25" 10°
		6' 0"	0.83" 6°	6' 0"	0.83" 6°
		8' 0"	0.63" 5°	8' 0"	0.63" 5°
		10' 0"	0.50" 4°	10' 0"	0.50" 4°
		12' 0"	0.42" 3°	12' 0"	0.42" 3°
		15' 0"	0.33" 2°	15' 0"	0.33" 2°

NOTES AND FORMULAS

- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.
- Base lamp data shown. Consult lamp manufacturers to obtain detailed specifications for their lamps.

EATON
Power Management Solutions

Eaton
1800 Lee Coffey Avenue
P.O. Box 303
Westborough, MA 01581

Specifications and
dimensions subject to
change without notice

ADL03452
July 22, 2016
2 of 3



602.248.7822
design@cdltg.com
www.cdltg.com

1978 **41** 2019
years of architectural
lighting design

SMOKE TREE RESORT
7101 E LINCOLN DR, PARADISE VALLEY, AZ 85253

REVISIONS

DATE
08.24.202

SCALE
NOTES

PROJECT NUM

DRAWN BY

JG

MG

SHEET NAME

Keywords: *depression, mood, anxiety, self-esteem, self-efficacy, self-esteem, self-efficacy*

GETTING
ITSELF

CONCLUSION

100

—

I

AL

TYPE 'LU'

WAC

LANDSCAPE LIGHTING

3" INGROUND 120V

5032

Rock Guard

Protects the fixture face



5030-GRD-BZ
Bronze on Aluminum

5030-GRD-BBR
Bronze on Brass

Optics

Enhances saturation of florals and foliage



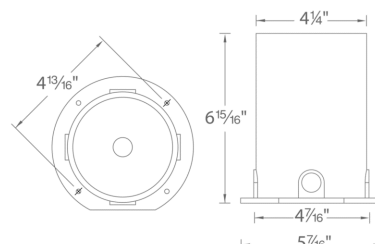
LENS-25-AMB <i>Amber</i>	LENS-25-RED <i>Red</i>	LENS-25-FR <i>Frosted</i>
LENS-25-GRN <i>Green</i>	LENS-25-BLU <i>Blue</i>	LENS-25-HCL <i>Honeycomb Lower</i> <i>Reduces glare</i>

Concrete Pour Kit

*For installation in concrete
Five 1/2" NPT threaded holes, PC*

5030-PIP-PVC

Shown with temporary dense foam cap

waclighting.com
Phone (800) 526-2588
Fax (800) 526-2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive
Port Washington, NY 11050

Central Distribution Center
1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. AUG 2017

URBAN

- model: WS-W11

LED Modern or Sconce Luminaire

TYPE "WS"

MODERN FORMS

Fixture Type:

Catalog Number:

Project:

Location:

PRODUCT DESCRIPTION

Like urban renewal, the Urban sconce gives new life to the conventional step baffle. Form follows function in this simplified indirect wall sconce. Clean styling and robust LED performance are combined in this modern dark sky luminaire.

FEATURES

- ETL & cETL listed for wet locations, IP65
- Interior light and down light
- Low profile design
- Replaceable LED module
- 277V option available *special order*
- *50,000* hour *potential life*.
- **Color Temp: 3000K**
- **Cri: 85**

SPECIFICATIONS

Construction: Aluminum.

Power: No driver or transformer required.

Light Source: High output LED.

Dimming: Dim to 10% with an electronic low voltage (ELV) dimmer.

Mounting: Mounts directly to junction box.

Finish: Black (BK), Bronze (BZ), Graphite (GH), White (WT).

Standards: ETL & cETL listed. ADA compliant. Dark Sky friendly. IP65. Wet location.

ORDER NUMBER

Model	Height	Watt	# of LEDs	LED Lumens	Photometric Lumens	Finish	
WS-W11	10	10"	12W	3	220	370	BK Black
	16	16"	16W	4	960	490	BZ Bronze
	22	22"	20W	5	1200	610	GH Graphite
							WT White

WS-W11

Example: WS-W1116-GH

For 277V special order, add an "F" before the finish: WS-W1116F-GH

REPLACEMENT GLASS

Part	Fixture
RPL-GLA-1122-02	WS-W1122
RPL-GLA-1122-01	
RPL-GLA-1116-02	WS-W1116
RPL-GLA-1116-01	
RPL-GLA-1110-02	WS-W1110
RPL-GLA-1110-01	

modform.com

Phone (800) 526-2588

Fax (800) 526-2585

Headquarters/Eastern Distribution Center

44 Hallock Park Drive

Port Washington, NY 11050

Central Distribution Center

1600 Distribution Ct

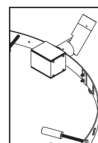
Lithia Springs, GA 30122

Western Distribution Center

1750 Archibald Avenue

Ontario, CA 91760

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BKSSL
SOLID STATE LIGHTING

the cover is...  ...the cover is

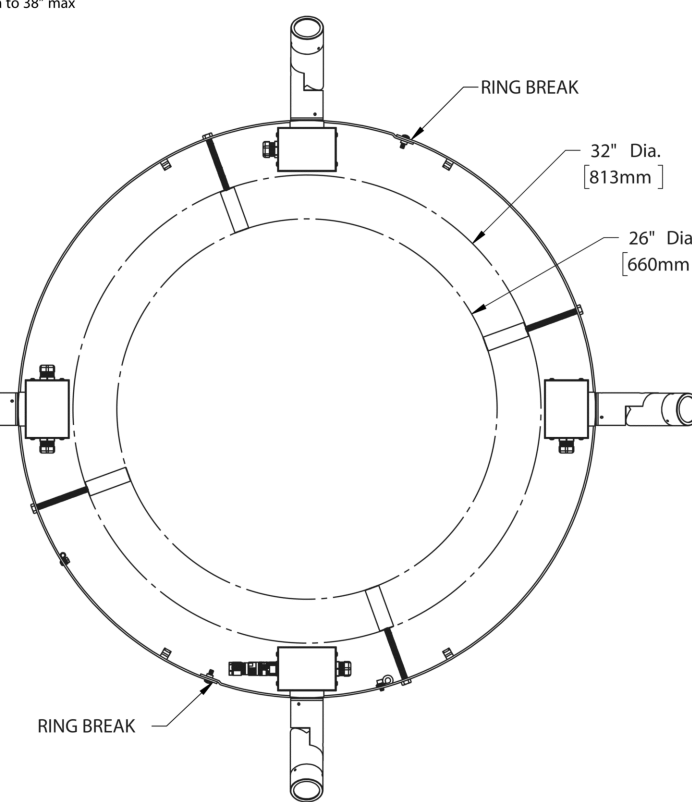
PALM TREE RING INTEGRAL

ARTISTAR™

PROJECT:	
TYPE:	

TOP VIEW

16 - 16" min to 22" max
21 - 21" min to 22" max
26 - 26" min to 32" max (shown)
31 - 31" min to 38" max



FIXTURE QUANTITY

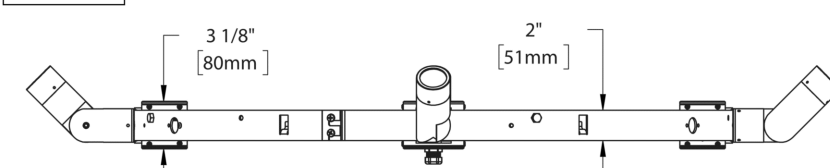
2 FIXTURES

3 FIXTURES

4 FIXTURES

6 FIXTURES

SIDE VIEW



All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

B-K LIGHTING

40429 Brockway Drive • Modesto, CA 95368 • USA
509-835-2900 • FAX 509-835-2900
www.bklighting.com • info@bklighting.com

RELEASED
6-30-2019

DRAWING NUMBER
SUB2801-00

Cypher™ – CY1 Accent Scale

TYPE

LUMINAIRE PERFORMANCE

Nominal Output (lm)	Downlight only	Average System Wattage	Distribution	Configuration											
				Bright White (5000K)				Neutral White (4000K)				Warm White (3000K)			
				Delivered Lumens	Efficiency (lm/W)	BUS Rating	B U G	Delivered Lumens	Efficiency (lm/W)	BUS Rating	B U G	Delivered Lumens	Efficiency (lm/W)	BUS Rating	B U G
1,500	17			5000K 70 CRI				4000K 70 CRI				3000K 70 CRI			
				Type 1	1917	101	0 0 0	1928	113	0 0 0	1825	101	0 0 0	0	0
				Type 2	1786	102	0 0 0	1730	102	0 0 0	1638	96	0 0 0	0	0
				Type 3	1750	100	0 0 1	1755	103	0 0 1	1661	98	0 0 1	0	1
				Type 4	1757	103	0 0 0	1762	104	0 0 0	1668	98	0 0 0	0	0
				Wall Grate	1971	114	1 0 0	1976	116	1 0 0	1871	110	1 0 0	0	0
				Spot Column	1782	103	2 0 0	1791	106	2 0 0	1701	100	2 0 0	0	0
				Type 1 Diffused	1619	96	1 0 0	1636	96	1 0 0	1547	91	1 0 0	0	0
				Type 2 Diffused	1573	91	1 0 1	1577	93	1 0 0	1493	88	1 0 0	0	0
				Type 3 Diffused	1415	84	1 0 0	1429	84	1 0 0	1353	80	1 0 0	0	0
				Type 4 Diffused	1600	84	1 0 1	1607	85	1 0 0	1521	80	1 0 0	0	0
2,500	26			5000K 70 CRI				4000K 70 CRI				3000K 70 CRI			
				Type 1	2517	96	0 0 0	2524	97	0 0 0	2390	92	0 0 0	0	0
				Type 2	2323	85	1 0 1	2339	86	1 0 1	2152	82	1 0 1	0	1
				Type 3	2219	85	1 0 1	2236	85	1 0 1	2117	80	1 0 1	0	1
				Type 4	2319	88	1 0 1	2325	89	1 0 1	2201	85	1 0 1	0	1
				Wall Grate	2544	104	2 0 0	2573	106	2 0 0	2455	100	2 0 0	0	0
				Spot Column	2471	94	2 0 0	2478	95	2 0 0	2346	90	2 0 0	0	0
				Type 1 Diffused	2344	86	1 0 1	2350	86	1 0 1	2225	86	1 0 1	0	1
				Type 2 Diffused	2064	79	1 0 1	2068	80	1 0 1	1958	75	1 0 1	0	0
				Type 3 Diffused	2059	78	1 0 1	2095	79	1 0 1	1946	75	1 0 1	0	1
				Type 4 Diffused	2123	80	1 0 1	2129	82	1 0 1	2016	78	1 0 1	0	1

ISOLINE TEMPLATES 10' Mounting Height, 10' Grid Spacing

Isoline templates for CY1-25-11, CY1-25-12, CY1-25-13, CY1-25-14, CY1-25-1D, CY1-25-2D, CY1-25-3D