

mountain view medical center, LLC  
**Mountain View Medical Center Redevelopment**  
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PROJECT NO. **2018\_041** DATE OF ISSUE **11.01.2018**

REVISION NO. **1** DATE **09.26.2018**  
**2** DATE **11.01.2018**

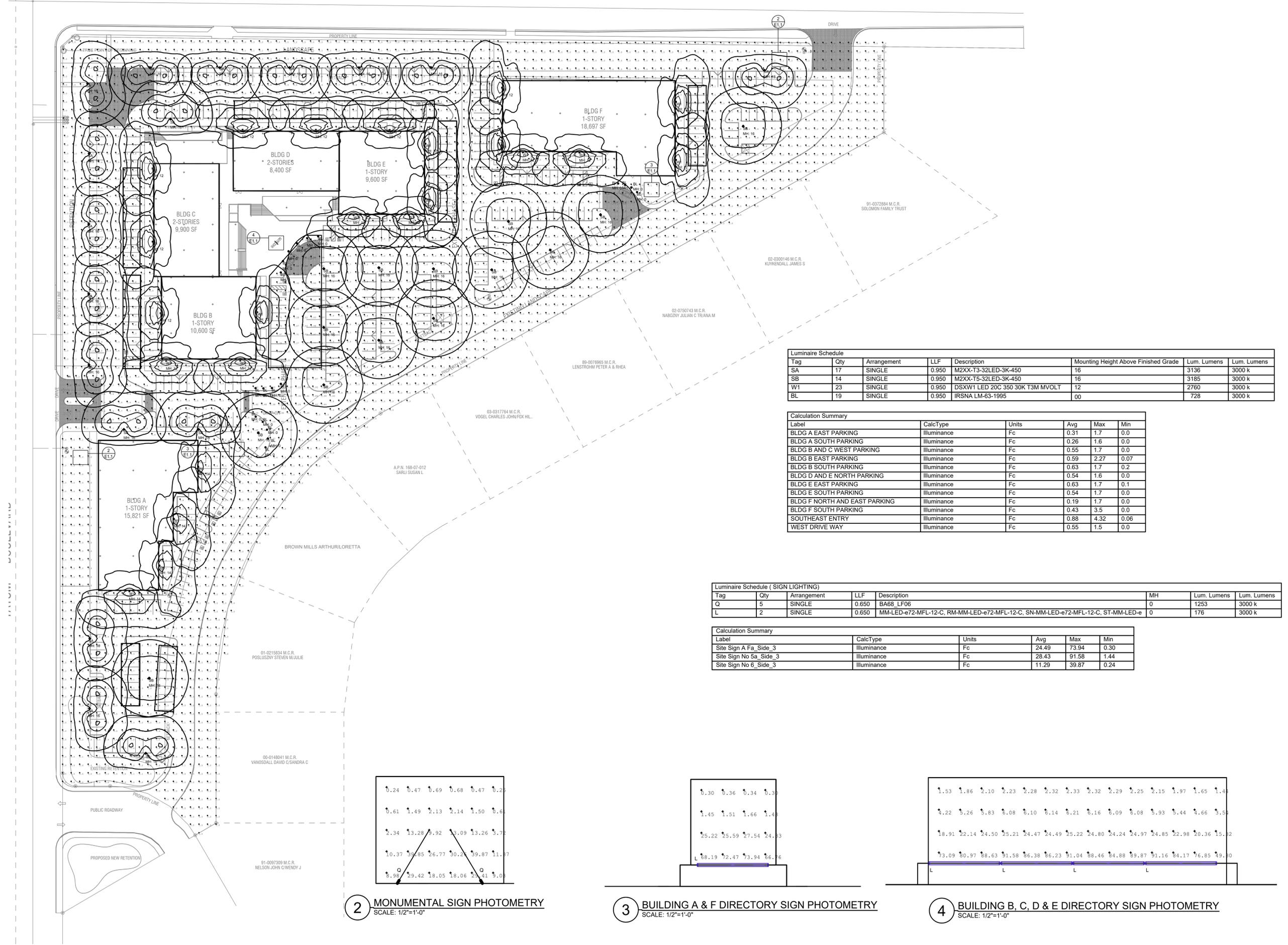
PROJECT TEAM **John Cantrell** DRAWN BY **BD**

PROJECT PHASE  
SUP major amendment  
Review #3

SHEET CONTENTS  
**photometric site plan**

SHEET NO.

**E-1.1**



**Luminaire Schedule**

| Tag | Qty | Arrangement | LLF   | Description                     | Mounting Height Above Finished Grade | Lum. Lumens | Lum. Lumens |
|-----|-----|-------------|-------|---------------------------------|--------------------------------------|-------------|-------------|
| SA  | 17  | SINGLE      | 0.950 | M2XX-T3-32LED-3K-450            | 16                                   | 3136        | 3000 k      |
| SB  | 14  | SINGLE      | 0.950 | M2XX-T5-32LED-3K-450            | 16                                   | 3185        | 3000 k      |
| W1  | 23  | SINGLE      | 0.950 | DSXW1 LED 20C 350 30K T3M MVOLT | 12                                   | 2760        | 3000 k      |
| BL  | 19  | SINGLE      | 0.950 | IRSNA LM-63-1995                | 00                                   | 728         | 3000 k      |

**Calculation Summary**

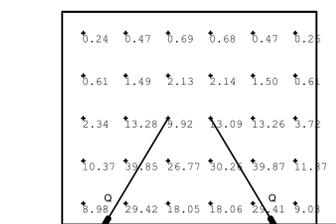
| Label                         | CalcType    | Units | Avg  | Max  | Min  |
|-------------------------------|-------------|-------|------|------|------|
| BLDG A EAST PARKING           | Illuminance | Fc    | 0.31 | 1.7  | 0.0  |
| BLDG A SOUTH PARKING          | Illuminance | Fc    | 0.26 | 1.6  | 0.0  |
| BLDG B AND C WEST PARKING     | Illuminance | Fc    | 0.55 | 1.7  | 0.0  |
| BLDG B EAST PARKING           | Illuminance | Fc    | 0.59 | 2.27 | 0.07 |
| BLDG B SOUTH PARKING          | Illuminance | Fc    | 0.63 | 1.7  | 0.2  |
| BLDG D AND E NORTH PARKING    | Illuminance | Fc    | 0.54 | 1.6  | 0.0  |
| BLDG E EAST PARKING           | Illuminance | Fc    | 0.63 | 1.7  | 0.1  |
| BLDG E SOUTH PARKING          | Illuminance | Fc    | 0.54 | 1.7  | 0.0  |
| BLDG F NORTH AND EAST PARKING | Illuminance | Fc    | 0.19 | 1.7  | 0.0  |
| BLDG F SOUTH PARKING          | Illuminance | Fc    | 0.43 | 3.5  | 0.0  |
| SOUTHEAST ENTRY               | Illuminance | Fc    | 0.88 | 4.32 | 0.06 |
| WEST DRIVE WAY                | Illuminance | Fc    | 0.55 | 1.5  | 0.0  |

**Luminaire Schedule ( SIGN LIGHTING)**

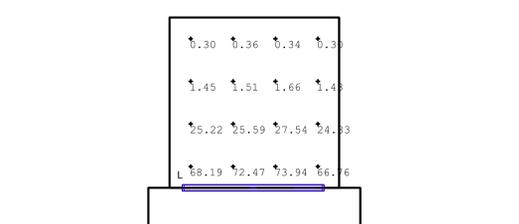
| Tag | Qty | Arrangement | LLF   | Description  | MH | Lum. Lumens | Lum. Lumens |
|-----|-----|-------------|-------|--|----|-------------|-------------|
| Q   | 5   | SINGLE      | 0.650 | BA68_LF06  | 0  | 1253        | 3000 k      |
| L   | 2   | SINGLE      | 0.650 | MM-LED-e72-MFL-12-C, RM-MM-LED-e72-MFL-12-C, SN-MM-LED-e72-MFL-12-C, ST-MM-LED-e | 0  | 176         | 3000 k      |

**Calculation Summary**

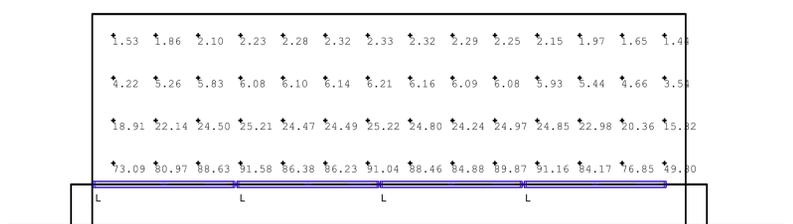
| Label                  | CalcType    | Units | Avg   | Max   | Min  |
|------------------------|-------------|-------|-------|-------|------|
| Site Sign A Fa_Side_3  | Illuminance | Fc    | 24.49 | 73.94 | 0.30 |
| Site Sign No 5a_Side_3 | Illuminance | Fc    | 28.43 | 91.58 | 1.44 |
| Site Sign No 6_Side_3  | Illuminance | Fc    | 11.29 | 39.87 | 0.24 |



**2 MONUMENTAL SIGN PHOTOMETRY**  
SCALE: 1/2"=1'-0"



**3 BUILDING A & F DIRECTORY SIGN PHOTOMETRY**  
SCALE: 1/2"=1'-0"



**4 BUILDING B, C, D & E DIRECTORY SIGN PHOTOMETRY**  
SCALE: 1/2"=1'-0"

**1 PHOTOMETRIC SITE PLAN**  
SCALE: 1"=40'-0"



**DELTA STAR™**

PROJECT: \_\_\_\_\_  
TYPE: \_\_\_\_\_  
CATALOG NUMBER: \_\_\_\_\_  
SOURCE: \_\_\_\_\_  
NOTES: \_\_\_\_\_

**CATALOG NUMBER LOGIC**

Example: DS - LED - e65 - SP - A7 - BZW - 12 - 11 - A - 360SL

**Material**  
Blank - Aluminum  
B - Brass  
S - Stainless Steel

**Series**  
DS - Delta Star™

**Source**  
LED - "i" Technology with Integral Dimming Driver (See Specifications for Dimming)  
Designed for use with recessed JWBK BSS™ transformers. Requires magnetic Low Voltage driver.

**LED Type**  
e64 - 7W LED/2.7K  
e65 - 7W LED/3K  
e66 - 7W LED/4K  
e74 - 7W LED/Amber

**Optics**  
NSP - Narrow Spot (Red Indicator)  
SP - Spot (Green Indicator)  
MFL - Medium Flood (Yellow Indicator)  
WFL - Wide Flood (Blue Indicator)

**Adjust-e-Lume® Output Intensity** (Choose factory setting)  
A9 Standards, A6, A7, A8, A9, A4, A3, A2, A1

**Finish**

| Aluminum Finish   |       | Brass Finish |          | Premium Finish |     |     |
|-------------------|-------|--------------|----------|----------------|-----|-----|
| Powder Coat Color | Satin | Winks        | MAC      | ABP            | CMG | RMG |
| Bronze            | BZP   | BZW          | Polished | AMG            | CMC | SDS |
| Black             | BLP   | BLW          | Matte    | ADW            | CMW | SMG |
| White (Gloss)     | WHP   | WHW          | Brushed  | BCW            | HWS | TFW |
| Aluminum          | SAP   | ---          | Polished | RGE            | MSD | WCP |
| Venise            | ---   | VEN          | Brushed  | BWP            | NBP | WNW |
|                   |       |              |          | CWP            | CCP |     |

**Lens Type**  
12 - Soft Focus Lens  
13 - Rectilinear Lens

**Shielding**  
11 - Honeycomb Baffle

**Cap Style**  
A - 45°  
B - 90°  
D - 45° less Weep Hole (Interior Use Only)  
E - 90° less Weep Hole (Interior Use Only)

**Option**  
360SL - Rotational Knuckle Mounting System

**DRIVER DATA**

| Input Voltage     | Inrush Current      | Operating Current | Dimmable                    | Operation Ambient Temperature  |
|-------------------|---------------------|-------------------|-----------------------------|--------------------------------|
| 120V/240V 50/60Hz | <250mA (non-dimmed) | 700mA             | Magnetic Low Voltage Dimmer | -22° to 184° F (30° C - 90° C) |

**LM79 DATA**

| BK No. | CCT (Typ.)     | Input Watts (Typ.) | CR1 | CR2    | Beam Type    | Angle | e66  | Visual Indicator |
|--------|----------------|--------------------|-----|--------|--------------|-------|------|------------------|
| e64    | 2700K          | 7.0                | 80  | 50,000 | Narrow Spot  | 13°   | 6889 | Red Dot          |
| e65    | 3000K          | 7.0                | 80  | 50,000 | Spot         | 15°   | 5225 | Green Dot        |
| e66    | 4000K          | 7.0                | 80  | 50,000 | Medium Flood | 23°   | 1964 | Yellow Dot       |
| e74    | Amber (5500nm) | 7.0                | --- | ---    | Wide Flood   | 31°   | 1390 | Blue Dot         |

**L70 DATA**

| CR1 | CR2    | CR3    | CR4    | CR5    | CR6    | CR7    | CR8    | CR9    | CR10   |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 80  | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |

**OPTIONAL DATA**

| Beam Type    | Angle | e66  | Visual Indicator |
|--------------|-------|------|------------------|
| Narrow Spot  | 13°   | 6889 | Red Dot          |
| Spot         | 15°   | 5225 | Green Dot        |
| Medium Flood | 23°   | 1964 | Yellow Dot       |
| Wide Flood   | 31°   | 1390 | Blue Dot         |

**B-K LIGHTING** 40429 Brickyard Drive • Madera, CA 93606 • USA  
509.438.0900 • FAX 509.438.0900  
www.bklighting.com • info@bklighting.com

RELEASED 06-07-16 DRAWING NUMBER SUB000930

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**DELTA STAR™**

PROJECT: \_\_\_\_\_  
TYPE: \_\_\_\_\_  
CATALOG NUMBER: \_\_\_\_\_  
SOURCE: \_\_\_\_\_  
NOTES: \_\_\_\_\_

**"A/D" CAP** **"B/E" CAP**

**360 SL™**

**Accessories** (Configure separately)  
Mounting: Power Rail™, Power Canopy™, Tie Strap™, Storm, Canopy, LHM™, T8 Series, Power Rail™, LHM™

**Horizontal Rotation** (Optional 360SL™ Knuckle)

**Specifications**

**GreenSource Initiative™**  
Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy produced on-site. Recycled plastic and glass components. No chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling incentives. Consult www.bklighting.com/greensource for program requirements.

**Materials**  
Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

**Body**  
Fully machined from solid billet. Unidirectional design provides enclosed, water proof weep hole and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone "O" ring provides water tight seal.

**Knuckle**  
The "LOCK" rotating "O" Ring Compression Knuckle is composed of two components. The first is integral to the body and features an internal machined base. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper lock allows a full 360° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone "O" ring provides water tight seal and compressive resistance to maintain fixture position. Design achieves 73 to 80 degree beam angle adjustment to ensure maximum optical efficiency. If permissive for mounting.

**Optional 360SL™** additionally provides limited source control with 360° horizontal rotation in addition to vertical adjustment.

**Cap**  
Fully machined. Accommodates (1) lens or (lower media. Choose from 45° cap (A or D), or 90° deep bead with 90° cap (E or T) cap styles. A and B cap include weep hole for water and debris drainage. T and T' caps exclude weep hole and are for interior use only.

**Leak**  
Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical enclosure. Specify soft focus (S) or rectilinear (R) lens.

**BKSL™**  
Integrated solid state system with "i" technology is suitable for field upgrade. Modular design with electrical quick disconnects permits field maintenance - high power, forward three source complex with ANSI C78.373 electrical requirements. Exceeds ENERGY STAR™ lamp requirements. LM-80 certified components.

**Optics**  
Interchangeable OPTIK™ modules permit field changes to optical distribution. Color-coated for easy replacement. Narrow Spot (NSP) = Red, Spot (SP) = Green, Medium Flood (MFL) = Yellow, Wide Flood (WFL) = Blue.

**Wiring**  
Teflon coated, 18AWG, 600V, 250° C rated and certified to UL 1595 standard.

**Hardware**  
Tamper resistant, stainless steel hardware. LOCK™ aiming screw is additionally black oxide treated for additional corrosion resistance.

**Finish**  
Standard: our exclusive RoHS compliant, 15 stage chrome-free process cleans and corrosion resists. Popular powder coating. Lens components are available in powder coat or hardcoated metal finish. Stainless steel components are available in handcoated metal finish. (Brushed finish for interior use only).

**Warranty**  
3 year limited warranty.

**Certification and Listing**  
UL listed to ENEC LM-79 CL, listed Certified to CA/CESV/ANSI Standards, RoHS compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. (See Notes in USA.)

**Adjust-e-Lume®** (Pat. Pending)  
Integrates electronic dimmer, dynamic Lumen response at the individual fixture. Indexed (100% to 25% rms) lumen output. Maintains output at dimmed level or may be changed as conditions require. Specify factory preset output intensity.

**RoHS** **REACH**

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**adjust-e-lume TECHNOLOGY**

Select OptiK™ for desired distribution

RED - Narrow Spot (NSP)  
GREEN - Spot (SP)  
YELLOW - Medium Flood (MFL)  
BLUE - Wide Flood (WFL)

Select adjust-e-lume® Dial to desired output

**Narrow Spot** 4K 3K 2.7K

| Height | 4K    | 3K    | 2.7K  |
|--------|-------|-------|-------|
| 10'    | 17.2  | 15.3  | 15.0  |
| 8'     | 26.9  | 23.9  | 23.4  |
| 6'     | 47.6  | 42.6  | 41.6  |
| 4'     | 107.6 | 95.8  | 93.6  |
| 2'     | 430.6 | 383.3 | 374.6 |

**Spot** 4K 3K 2.7K

| Height | 4K    | 3K    | 2.7K  |
|--------|-------|-------|-------|
| 10'    | 13.1  | 11.6  | 11.4  |
| 8'     | 20.4  | 18.2  | 17.8  |
| 6'     | 31.6  | 30.3  | 31.6  |
| 4'     | 61.6  | 72.7  | 71.0  |
| 2'     | 306.6 | 290.0 | 284.1 |

**Medium Flood** 4K 3K 2.7K

| Height | 4K    | 3K    | 2.7K  |
|--------|-------|-------|-------|
| 10'    | 6.0   | 4.4   | 4.3   |
| 8'     | 11.8  | 10.3  | 10.0  |
| 6'     | 31.0  | 27.8  | 27.0  |
| 4'     | 124.0 | 110.4 | 107.8 |

**Wide Flood** 4K 3K 2.7K

| Height | 4K   | 3K   | 2.7K |
|--------|------|------|------|
| 10'    | 3.3  | 2.9  | 2.8  |
| 8'     | 5.1  | 4.5  | 4.4  |
| 6'     | 8.0  | 6.0  | 7.9  |
| 4'     | 20.0 | 18.1 | 17.7 |
| 2'     | 81.3 | 73.3 | 73.7 |

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www.bklighting.com

**3 LUMINAIRE TYPE "Q"**  
NTS

**Linealuce**

Design: Jean Michel Wilmotte (Kozzi)

may 2015

**Linealuce**

code BA68

**Technical description**  
Luminaire with direct wall-washer emission designed for use with LED sources. Monochromatic, with plate for 28x1W Warm White (3100K) LEDs, optic with plastic lenses, FLOOD version. Complete with lamp and built-in electronic ballast. Extruded aluminium body subjected to phosphochromatization treatment, double primer, passivation at 120° C, die-cast aluminium end caps with 50/60. Shows a silicone gaskets subjected to post-curing treatment at 200° C. Acrylic liquid paint finish with high resistance to atmospheric agents and UV rays, baking at 150° C. The optical assembly is closed with sodium-calcium tempered transparent clear semi-acid finished glass with artistic properties (in compliance with R12 class according to DIN 51330), 4mm thickness, fixed with silicone. Aluminium outer casing for installation with technopolymer caps to be ordered separately. Ready for through wiring by means of two PG11 nickel-plated brass cable clamps suitable for a 6.5-11mm cables contained in thermoplastic box fixed to the optical assembly. All external screws are made of stainless steel A2.

**Installation**  
Recessed installation in pavement, wall and ceiling with outer casing to be ordered separately.

**Size (mm)**  
1268x101x117

**Colour**  
Grey (15)

**Weight (kg)**  
6.30

**Mounting**  
wall recessed | ceiling recessed | ground recessed

**Wiring info**  
Electronic ballast inside the luminaire, 220-240V 50-60Hz.

**Notes**  
Available with Cool White (6700K), red, green and amber LED on demand. Available accessories: chromatic filters, outer casing and safety cables for wall and ceiling installation.

Complies with EN60598-1 and pertinent regulations

850°K IK10 IP67

CE RoHS REACH ENEC

**Product configuration: BA68+LED**  
LED: LED warm white

**Product characteristics**  
Total lighting output [Lm]: 1253.38  
Total power [W]: 37.2  
Luminous efficacy (lm/W): 33.69  
Life Time: 50,000h - L70 - B20 (Ta 25°C)

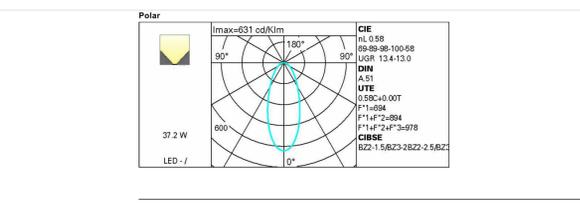
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: 0  
Voltage [V]: -  
Number of optical assemblies: 1

**Optical assembly Characteristics 1**  
Light Output Ratio (L.O.R.) [%]: 58  
Lamp code: LED  
ZVEE Code: LED  
Nominal power [W]: 32  
Nominal luminous [Lm]: 2163  
Lamp maximum intensity [cd]: -  
Beam angle [°]: 42°

Number of lamps for optical assembly: 1  
Socket: -  
Ballast losses [W]: 5.2  
Colour temperature [K]: 3200  
CRI: 80  
Wavelength [nm]: -  
MacAdam Step: <3

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RELEASED 06-07-16 DRAWING NUMBER SUB000930



**4 LUMINAIRE TYPE "L"**  
NTS

BA68\_EN 1 / 2

BA68\_EN 2 / 2

**orcutt winslow**

2929 n central ave  
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phoenix arizona 85012

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www.owp.com

REGISTERED ARCHITECT  
NOT FOR CONSTRUCTION  
PHOENIX, ARIZONA, U.S.A.

**HENDERSON ENGINEERS**

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PHOENIX, AZ 85016  
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AZ. CORPORATE NUMBER: 10470-0  
EXPIRES 06/30/19

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**PROJECT TEAM**  
John Cantrell

**DRAWN BY**  
BD

**PROJECT PHASE**  
SUP major amendment  
Review #3

**SHEET CONTENTS**

photometric light fixture cut sheets

SHEET NO.

**E-1.3**

