

Camelback Bible Church Fellowship Hall Addition Project Narrative

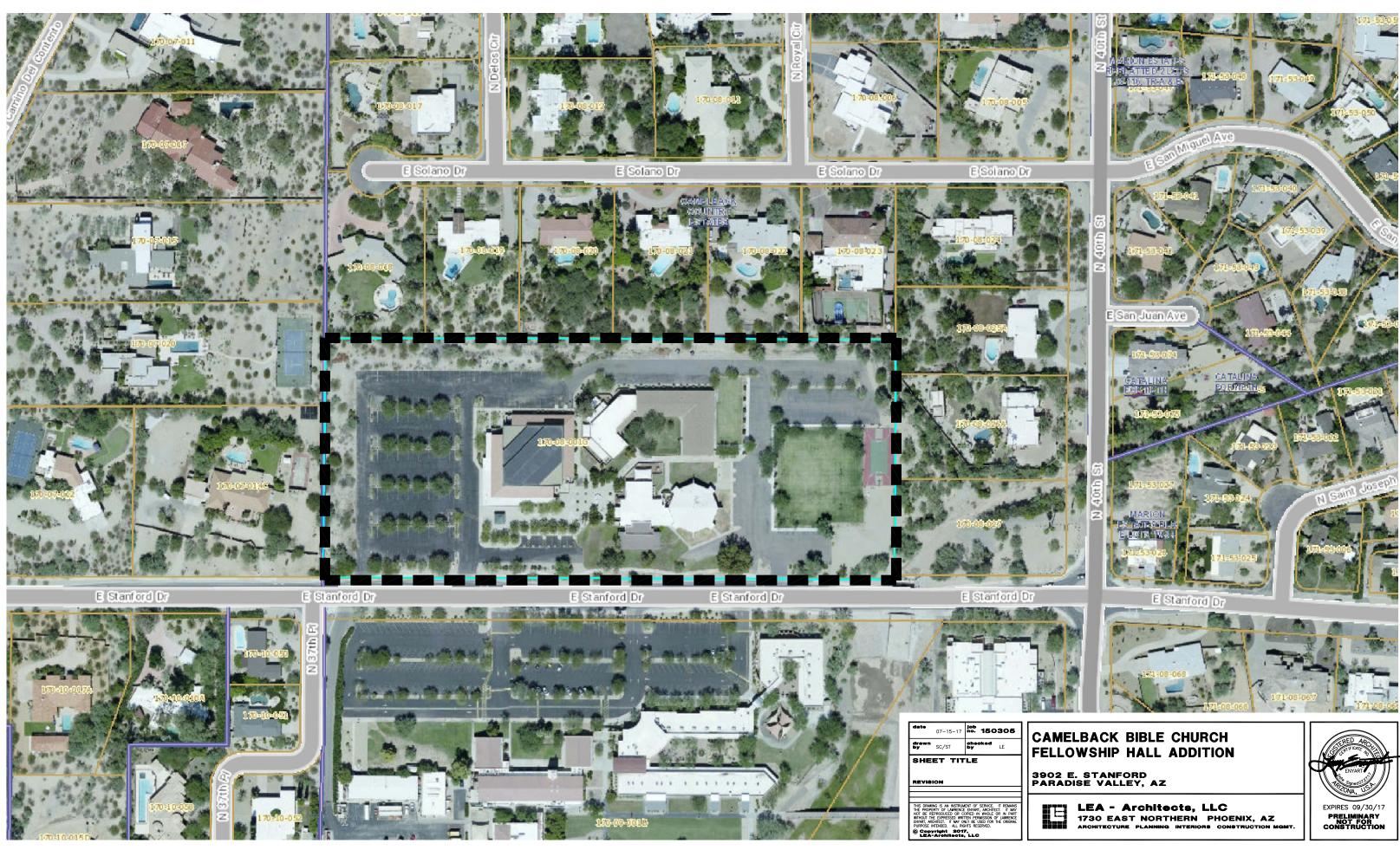
The proposed Minor Amendment to the existing Camelback Bible Church SUP includes a 5,000 SF addition to the existing 5,500 SF Fellowship Hall located on the south-east corner of the Camelback Bible Church Campus. The proposed new addition is located to the south and east of the existing Fellowship Hall and consists of new storage and administration program spaces for the Church. The massing of the proposed addition is varied in scale and materials, stepping down in height along the south elevation facing Stanford Drive. The new east facing entry sequence defined by the cantilevered roof projection creates a more open and inviting presence for the Church Administration on the east side of the campus. The additional 5,000 SF of new impervious roof area required for the new addition will be offset by the reconfiguration of the existing entry driveway and removal of approximately 5,000 SF of existing asphalt pavement to the south of the existing Fellowship Hall which will be replaced with new pervious landscaped areas.

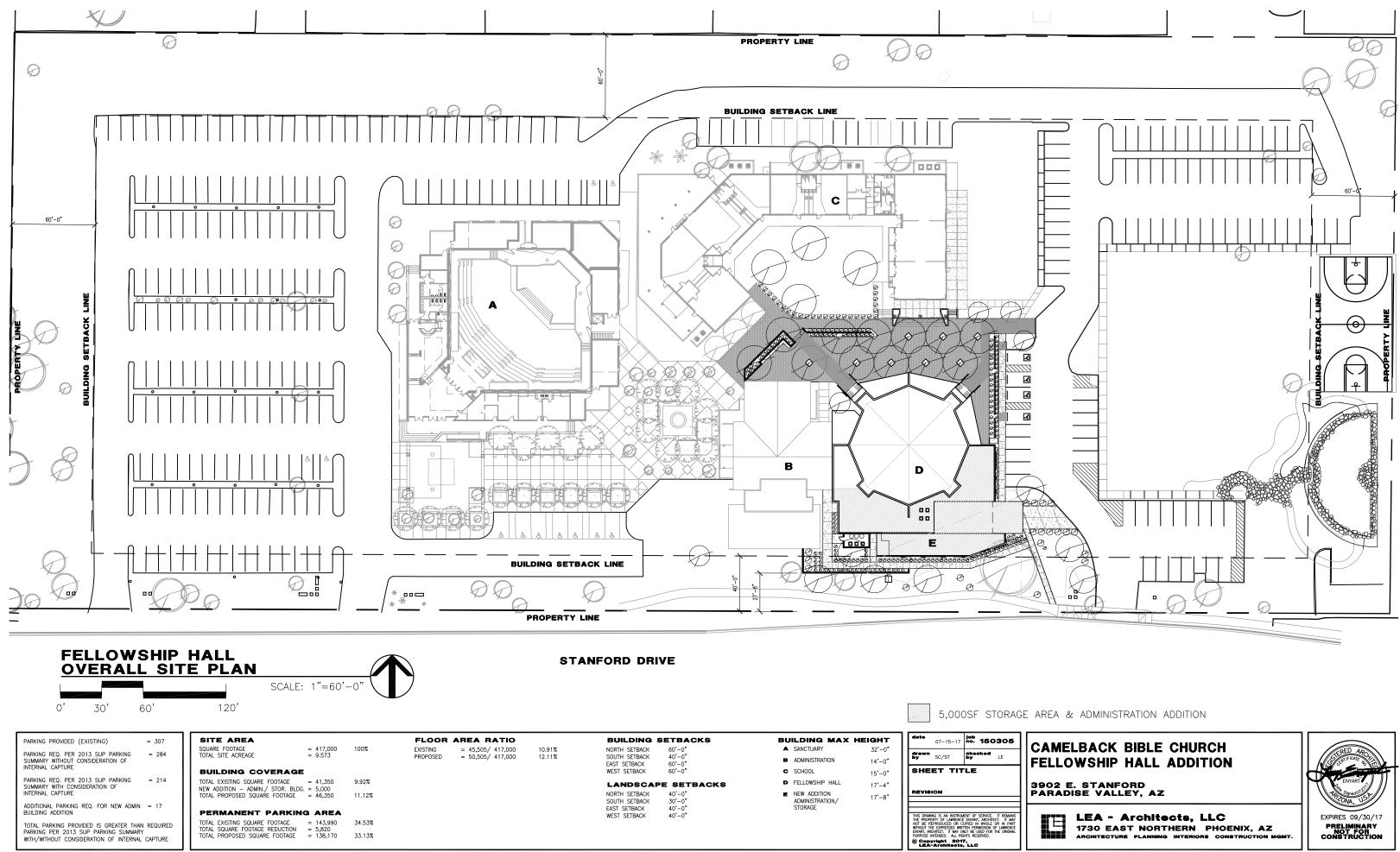


view north-west towards administration entry

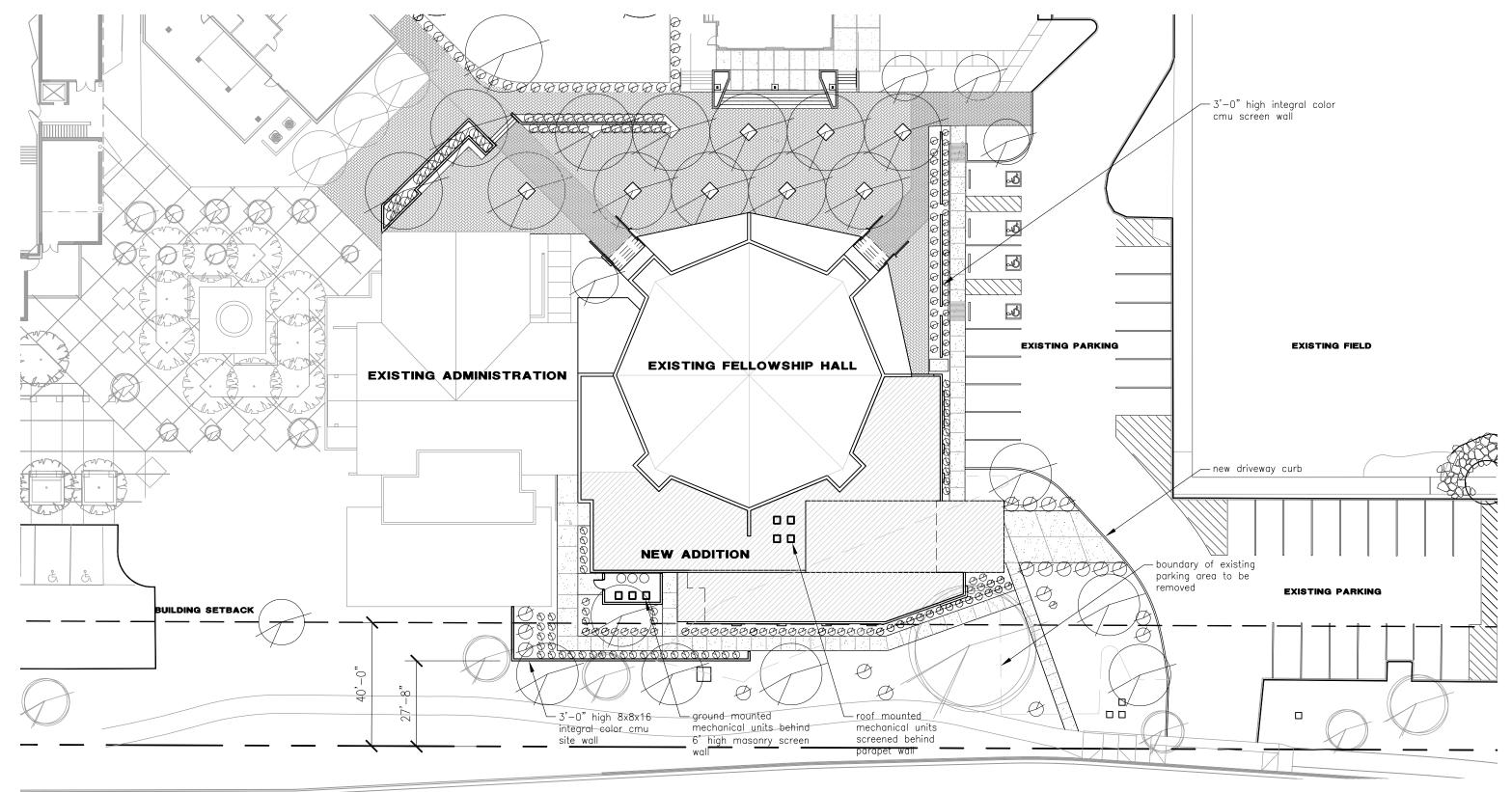


south elevation - view from Stanford Drive

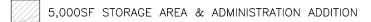


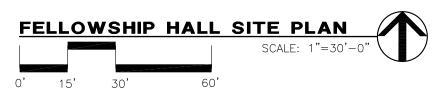


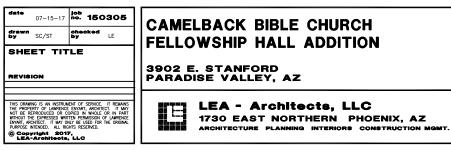


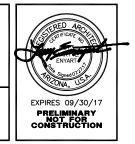


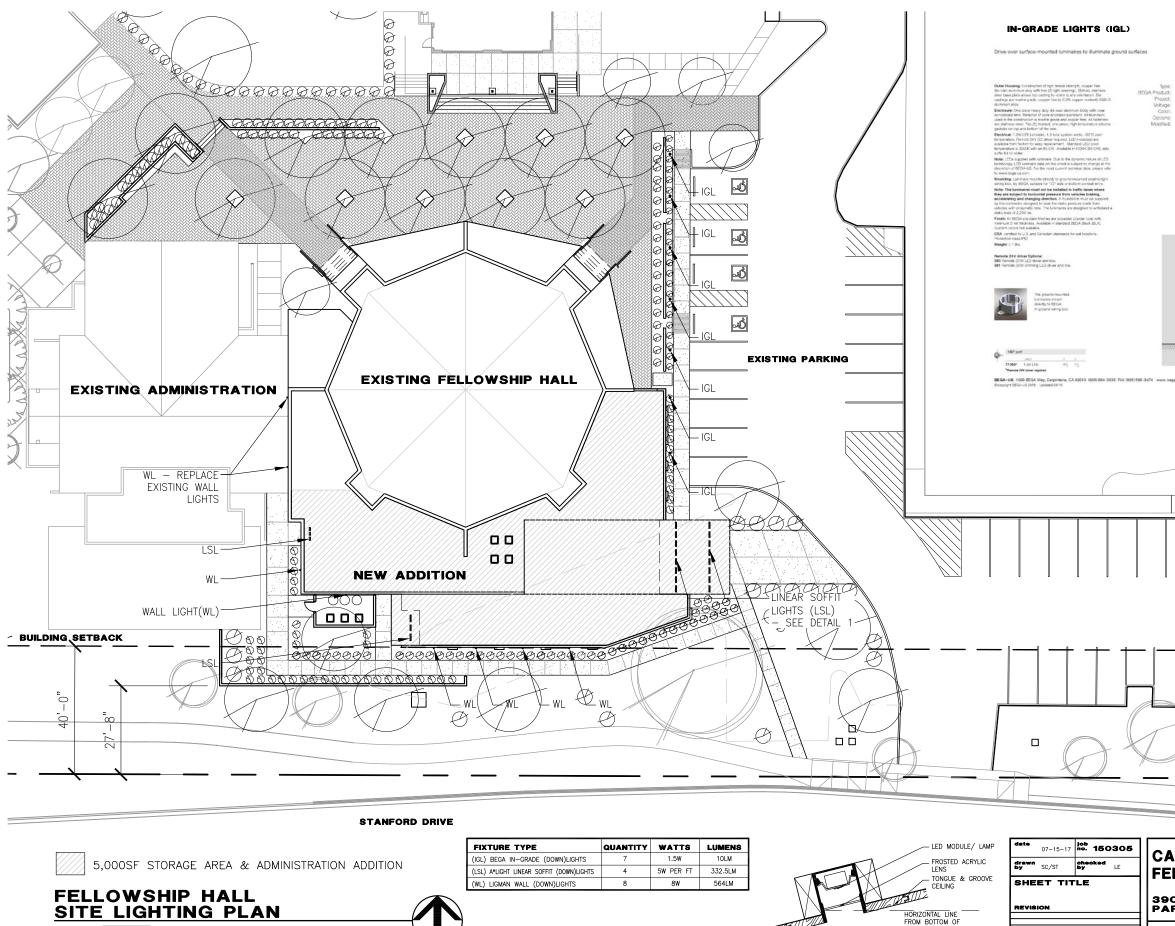
STANFORD DRIVE



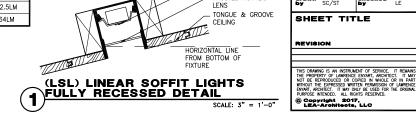


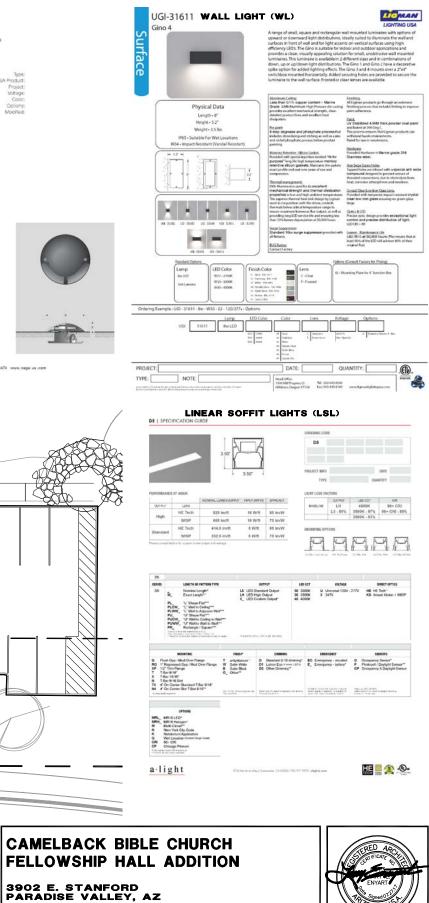












LEA - Architects, LLC 1730 EAST NORTHERN PHOENIX, AZ ARCHITECTURE PLANNING INTERIORS CONSTR



Drive-over surface-mounted luminaires to illuminate ground surfaces

Outer Housing: Constructed of high tensile strength, copper free die-cast aluminum alloy with two (2) light openings. Slotted, stainless steel base plate allows top casting to rotate to any orientation. Die castings are marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy.

Enclosure: One piece heavy duty die cast aluminum body with clear borosilicate lens. Reflector of pure anodized aluminum. All aluminum used in the construction is marine grade and copper free. All fasteners are stainless steel. Two (2) molded, one piece, high temperature silicone gaskets on top and bottom of the lens.

Electrical: 1.3W LED luminaire, 1.5 total system watts, -30°C start temperature. Remote 24V DC driver required. LED module(s) are available from factory for easy replacement. Standard LED color temperature is 3000K with an 85 CRI. Available in 4000K (85 CRI); add suffix K4 to order.

Note: LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

Mounting: Luminaire mounts directly to ground-mounted weathertight wiring box, by BEGA, suitable for 1/2" side or bottom conduit entry.

Note: The luminaires must not be installed in traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction. A foundation must be supplied by the contractor designed to bear the static pressure loads from vehicles with pneumatic tires. The luminaires are designed to withstand a static load of 2,200 lbs.

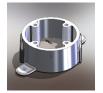
Finish: All BEGA standard finishes are polyester powder coat with minimum 3 mil thickness. Available in standard BEGA Black (BLK). Custom colors not available.

CSA certified to U.S. and Canadian standards for wet locations. Protection class IP67

Weight: 2.1 lbs.

Remote 24 V driver Options:

580 Remote 25 W LED driver and box591 Remote 50 W dimming LED driver and box



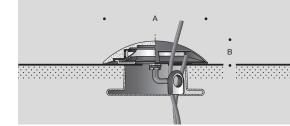
The ground-mounted luminaires mount directly to BEGA in-ground wiring box.

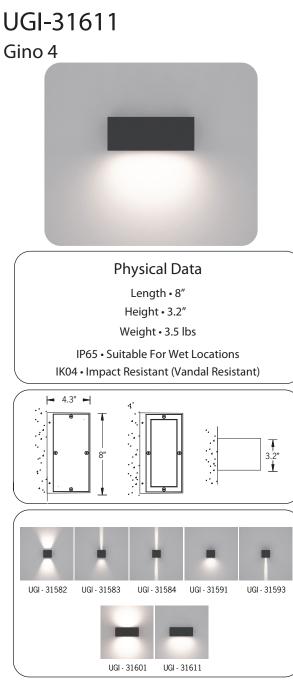
6	180° por	180° port				
Ý		Lamps	А	В		
	77 069*	1.3W LED	6¾	11/2		
	*Remote 24V driver required					

BEGA-US 1000 BEGA Way, Carpinteria, CA 93013 (805)684-0533 FAX (805)566-9474 www.bega-us.com ©copyright BEGA-US 2016 Updated 04/16

Type: BEGA Product: Project: Voltage: Color: Options: Modified:









A range of small, square and rectangular wall mounted luminaires with options of upward or downward light distributions. Ideally suited to illuminate the wall and surfaces in front of wall and for light accents on vertical surfaces using high efficiency LED's. The Gino is suitable for indoor and outdoor applications and provides a clean, visually appealing solution for small, unobtrusive wall mounted luminaires. This luminaire is available in 2 different sizes and in combinations of down, up or up/down light distributions. The Gino 1 and Gino 2 have a decorative spike option for added lighting effects. The Gino 3 and 4 mounts over a 2"x4" switchbox mounted horizontally. Added securing holes are provided to secure the luminaire to the wall surface. Frosted or clear lenses are available.

Aluminum Casting Less than 0.1% copper content - Marine Grade LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.

Pre paint

8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket. Provided with special injection molded "fit for

purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management.

LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression

Standard 10kv surge suppressor provided with all fixtures.

BUG Rating Contact Factory

Finishing

All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint.

UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Hardware.

Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes

Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens.

Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED

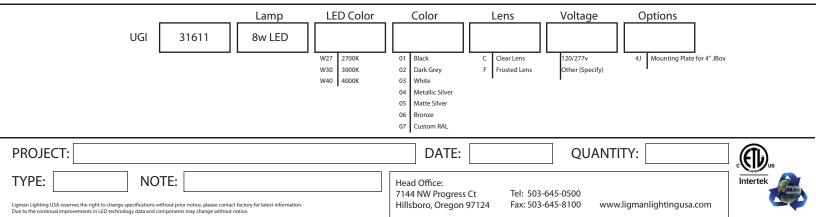
Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

Lumen - Maintenance Life

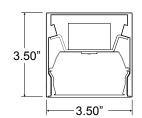
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Standard Options					Options (Consult Factory for Pricing)
Lamp 8w LED 564 Lumens	LED Color w27 • 2700K w30 • 3000K w40 • 4000K	Finish Color 01 - Black - RAL 9011 02 - Dark Grey - RAL 7043 03 - White - RAL 9003 04 - Metallic Silver - RAL 9006 05 - Matte Silver - RAL 9006 06 - Bronze - RAL 6014 07 - Custom RAL	01 02 03 04 05 06	Lens C•Clear F•Frosted	4J - Mounting Plate for 4" Junction Box

Ordering Example : UGI - 31611 - 8w - W30 - 02 - 120/277v - Options







PERFORMANCE AT 4000K

		NOMINAL LUMEN OUTPUT	INPUT WATTS	EFFICACY
OUTPUT	LENS			
High	HE Tech	829 lm/ft	10 W/ft	85 lm/W
	WISP	665 lm/ft	10 W/ft	70 lm/W
Standard	HE Tech	414.5 lm/ft	5 W/ft	85 lm/W
	WISP	332.5 lm/ft	5 W/ft	70 lm/W

Please consult factory for custom lumen output and wattage.

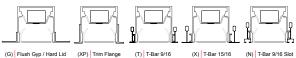
ORDERING CODE

D5	
PROJECT INFO	DATE
TYPE	QUANTITY

LIGHT LOSS FACTORS

	OUTPUT	LED CCT	CRI
BASELINE	LH	4000K	80+ CRI
	LS - 50%	3500K - 97%	90+ CRI - 80%
		3000K - 93%	

MOUNTING OPTIONS



(G) Flush Gyp / Hard Lid (XP) Trim Flange

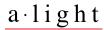
(T) T-Bar 9/16

(N) T-Bar 9/16 Slot

D5					
SERIES	LENGTH OR PATTERN TYPE	OUTPUT	LED CCT	VOLTAGE	DIRECT OPTICS
D5	Nominal Length* M_ Exact Length** PL_ "L" Shape Flat*** PLCW_ "L" Wall to Ceiling*** PLWW_ "L" Wall to Adjacent Wall*** PU_ "U" Shape Flat*** PUCW_ "U" Wall to Ceiling to Wall*** PUCW_ "U" Wall to Ceiling to Wall*** PUWW_ "U" Wall to Wall to Wall*** PR_ Rectangle / Square*** "Specify in feet to the nearest 10 (see Mt80.125) ""specify inches to the nearest 10 (see Mt80.125)	LS LED Standard Output LH LED High Output C_ LED Custom Output*	30 3000K 35 3500K 40 4000K	U Universal 120V - 277V 3 347V	HE HE Tech [™] KS Awash Kicker + WISP

	MOUNTING	FINISH*	DIMMING	EMERGENCY	SENSORS
G RG XP T X N T4	Flush Gyp / Mud Over Flange 1" Regressed Gyp / Mud Over Flange 1/2" Trim Flange T-Bar 9/16" T-Bar 9/16 Slot 4" On Center Standard T-Bar 9/16"	T a•lightanium [™] W Satin White B Satin Black O_ Other**	 D Standard 0-10 dimming* D1 Lutron Eco H series (LDE1) D3 Other Dimming** 	EC Emergency - circuited E_ Emergency - battery*	 Occupancy Sensor* Photocell / Daylight Sensor** OP Occupancy & Daylight Sensor
N4 *Housir	4" On Center Slot T-Bar 9/16"* ng slightly regressed	*RG, XP, T4, N4 mounting types only **Specify RAL#	*Dimming to 1% stated for standard 0-10v dimming **Specify model/series	*(1) ILB-SL-CP12 (1200Im for 90min). Specify desired quantity of batteries. Not available on fixtures < 4" length. Not available for 347V.	Wattstopper FS-205 (Ø1") Wattstopper FD-301 wired for daylight harvesting. Requires 0-10v dimming.

	OPTIONS
MRL_	MR16 LED*
MRH_	MR16 Halogen*
M	Multi-Circuit**
Ν	New York City Code
κ	Natatorium Application
Q	Wet Location (Contact Design Assist)
CRI	90+ CRI
СР	Chicago Plenum
	tity. Submit MR16 addendum Iti-circuiting requirements





FXLuminaire.

Accent Lights

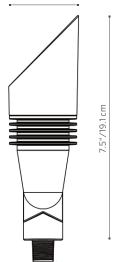


Similar in style to its bigger brother the NP, the FB fits nicely into smaller landscapes and tight spaces. Accommodating up to a 3 LED Board, the FB offers all the same up light benefits of the NP in a more compact package.

FB: Up Light

NUMBER OF LEDS:	1	3	ZDC
HALOGEN LUMEN OUTPUT EQUIVALENT:	10 Watt	20 Watt	10 Watt
USEFUL LED LIFE (L70):	50,000 hrs avg	50,000 hrs avg	50,000 hrs avg
INPUT VOLTAGE:	10 to 15V	10 to 15V	11 to 15V
VA TOTAL*:	2.4	4.5	7.2
WATTS USED:	2.0	4.2	6.0
LUMENS PER WATT (EFFICACY):	31	40	28
TOTAL LUMENS:	60	155	90
CRI (Ra):	79	78	81
CBCP (CENTER BEAM CANDLE POWER):	233	621	120
CCT:			
AMBER FILTER	2700K	2700K	N/A
FROSTED FILTER	3900K	3900K	N/A
GREEN FILTER	4500K	4500K	N/A
BLUE FILTER	5200K	5200K	N/A





*(Use this number to size the transformer)

INTEGRATED LED

ORDERING INFORMATION

FB: Up Light

FACTORY INSTALLED OPTIONS: Order 1 + 2 (optional) + 3 + 4

Step	Description	Code	
1	FIXTURE	FB	
2	LUXOR OPTION	ZD, ZDC [†] (Color)	
3	LAMP	1LED, 3LED, [†]	
4	FINISH	WG, FW, AL, BZ, DG, WI, SB, FB	

1LED

770600

1LEDFLLENS

1LEDWFLLENS

250015260000

250013550000

250015240000

3LED

771300

3LEDFLLENS

3LEDWFLLENS

250015260000

250013550000

250015240000

EXAMPLE: FB-ZD-3LED-SB = FB - ZD Option - 3LED Board - Sedona Brown Finish

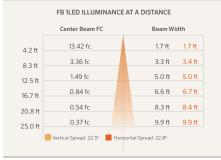
[†]Fixtures specified with ZDC Technology™ are available only in one circuit board configuration. Do not specify a number of LEDs when ordering.

FIELD INSTALLED OPTIONS: Order Individually

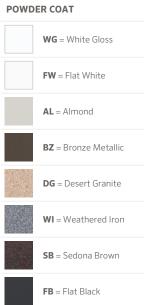
Mounts	Lens Accessories
Super Slot Spike (Included) (753900) 2" x 7"	LENS OPTIONS
Long Slot Spike (250015840000) 2.5" x 10"	Diffuser 18° (preassembled)
SuperJ-Box (SJ-XX**) 2.5" x 12"	Flood Lens 30-32° (1 notch)
Post Mount (<i>PM-XX**</i>) 2.5" x 13"	Wide Flood Lens 56-58° (2 notches)
Mini J-Box (<i>MJ-050-XX**</i>) 3.5" x 1.3"	Hex Baffle MR-16 Size
TreeBox (<i>TB-XX**</i>) 5.4" x 1.9"	Linear Spread Lens MR-16 Size
Gutter Mount (GM-SS) 4.0" x 4.0"	Solite Spread Lens MR-16 Size
Wall Plate: 1-gang (WP-1G-050-XX**) 3.4" x 5.1"	
Wall Plate: Round (WP-RD-050-XX**) 5.0" Diam.	
Coupling: Straight (COUP-XX**) 1.3" x 2.0"	
Coupling: 90-deg (ELBW-050-SS**) 1.3" x 2.0"	
Coupling: T-mount (TMNT-050-XX**) 3.0" x 2.2"	
Riser: Male Threaded (YY-R-XX)0.8" Diam.,	

1/2 NPSM

EXAMPLE: 250015840000 = Long Slot Spike **PHOTOMETRICS:**







The FB includes choice of LED board, choice of finish, 4 ft lead wire and a Super Slot Spike.



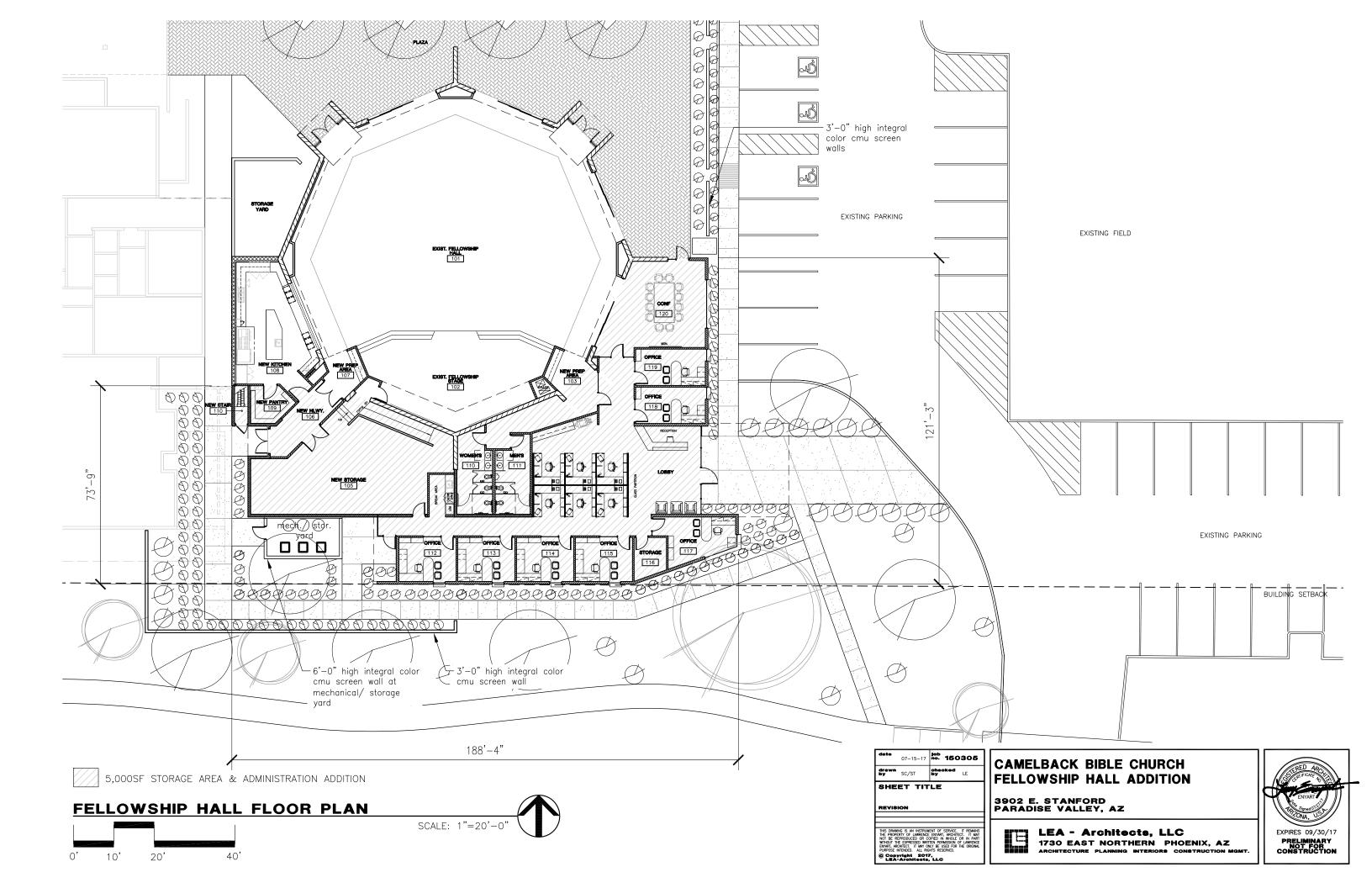
All FB up lights come standard with amber, green, blue and frosted filters

** Denotes finish code

Beam angle is calculated using LM-79 method for SSL Luminaires: "Beam angle is defined as two times the vertical angle at which the intensitv is 50% of the maximum."



FB ZDC ILLUMINANCE AT A DISTANCE Center Beam FC Beam Width 6.50 fc 4.0 ft 3.8 ft 4.3 ft 1.59 fc 7.8 ft 8.0 ft 8.7 ft 0.71 fc 11.6 ft 12.0 ft 13.0 ft 0.40 fc 15.4 ft 16.0 ft 17.3 ft 0.26 fc 19.4 ft 20.0 ft 21.7 ft 0.18 fc 23.2 ft 24.0 ft 26.0 ft Vertical Spread: 48.1° ead: 49.5%







CAMELBACK BIBLE CHURCH FELLOWSHIP HALL ADDITION

3902 E. STANFORD Paradise Valley, Az

LEA - Architects, LLC 1730 EAST NORTHERN PHOENIX, AZ ARCHITECTURE PLANNING INTERIORS CONSTRUCTION MG







Camelback Bible Church Fellowship Hall Addition south elevation - view from stanford drive

- Weathering copper standing seam panels

- 8x4x16 Integral color stacked bond cmu

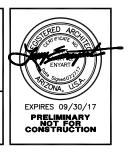
Weathering steel plate window hoods

SIN XON V

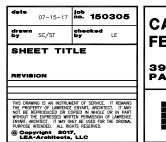
CAMELBACK BIBLE CHURCH FELLOWSHIP HALL ADDITION

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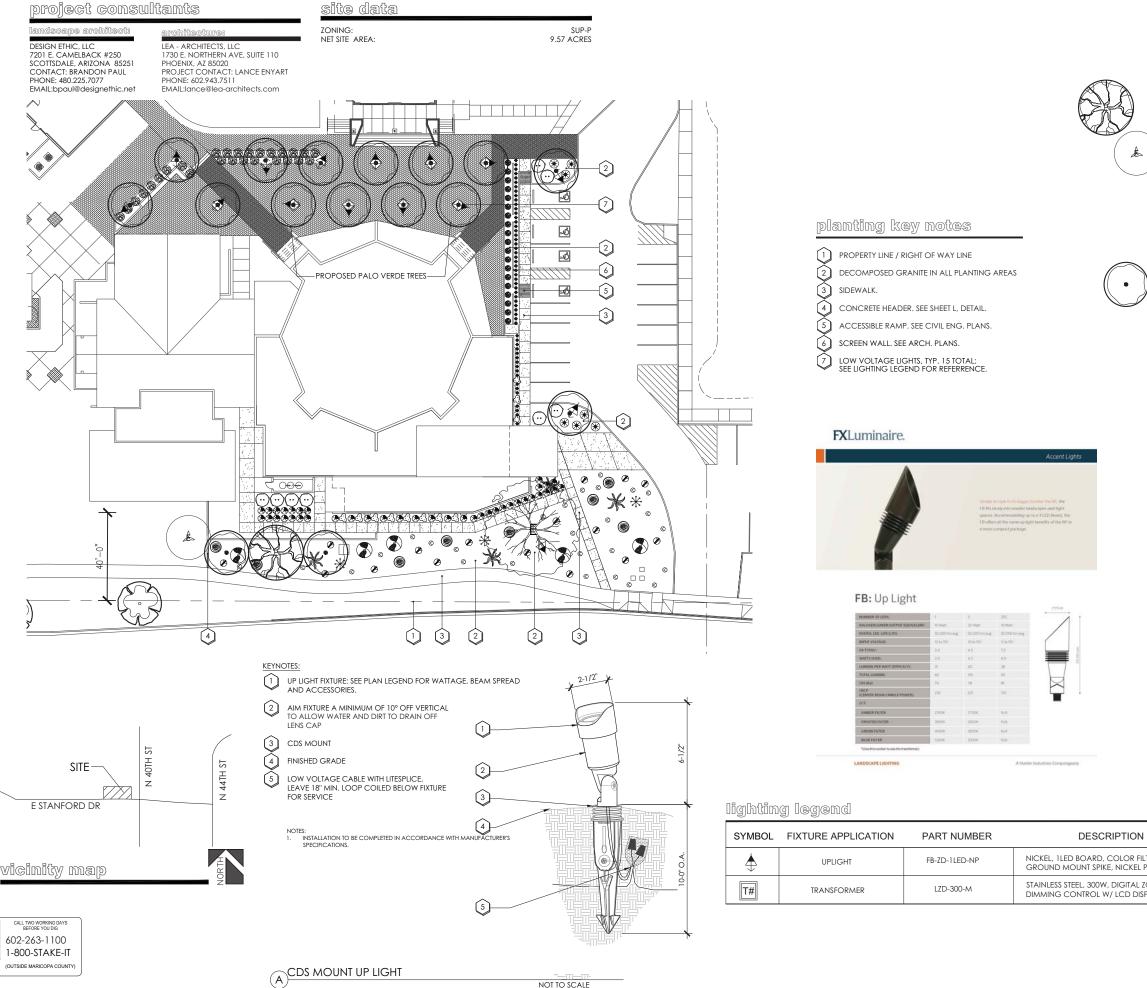
CAMELBACK BIBLE CHURCH FELLOWSHIP HALL ADDITION

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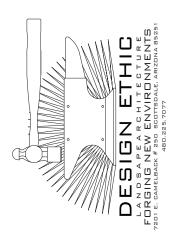
Camelback Bible Church - Fellowship Hall Addition

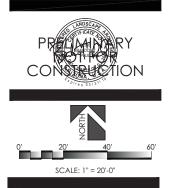


NOT TO SCALE

existin	g plant legend
	botanical name common name
existing trees	
(S)	PROSOPIS CHILENSIS 'THORNLESS' THORNLESS CHILEAN MESQUITE
- Cir	PROSOPIS PUBESCENS SCREWBEAN MESQUITE
A NY N	PYRUS CALLERYANA EVERGREEN PEAR
	ULMUS PARVIFOLIA VERGREEN ELM
plant lo	egend
	botanical name common name
<u>trees</u>	
shrubs	PARKINSONI HYBRID 'AZT' 'AZT' THORNLESS PALO VERDE
\odot	CORDIA PARVIFOLIA LITTLELEAF CORDIA
6	ENCELIA FARINOSA BRITTLEBUSH
Ø	ERICAMERIA LARICIFOLIA TURPENTINE BUSH
	LARREA TRIDENTATA CREOSOTE
® acconts	OLEA EUROPAEA 'LITTLE OLLIE' LITTLE OLLIE DWARF OLIVE
accents	ALOE X. BLUE ELF
	BLUE ELF ALOE
*	FEROCACTUS CYLINDRACEUS COMPASS BARREL
×	FOUQUIERIA SPLENDENS OCOTILLO
۲	MUHLENBERGIA CAPILLARIS REGAL MIST
ŝ	LOPHOCEREUS SCHOTTII MONSTROSE TOTEM POLE CACTUS
*	OPUNTIA ENGELMANNII ENGELMANN'S PRICKLY PEAR
•	PEDILANTHUS MACROCARPUS SLIPPER PLANT
groundcove	
Ø	AMBROSIA DELTOIDEA BURSAGE
€ ⊛	SPHAGNETICOLA TRILOBATA YELLOW DOT
~	1" MINUS DECOMPOSED GRANITE
2	TABLE MESA BROWN
	CONCRETE HEADER PLAIN CONCRETE

N	WATTS	LUM	QTY
FILTERS, 4.5 VA, L PLATE FINISH	4.2	155	15
L ZONING AND DISPLAY			-





DRIVE 85253 CHURCH RD Ŋ \triangleleft BIBLE ANFOF ~ ALLEY У О ST, >EAST ARADISE AMELBA 3902 \bigcirc Ъ

JOB NO: DATE: DRAWN BY: SUBMITTED: REVISED:

17-035

B. PAUL 08.01.2017

SHEET

L.01 of L.01