

HEADWATERS
MINIMAL RESIDENTIAL
HEALTH CARE
FACILITY

13860 & 13870 N FRANK LLOYD WRIGHT BL
SCOTTSDALE, AZ 85260



SANTULAN

ARCHITECTURE

3457 RINGSBY CT. #209
DENVER, CO 80216
303-825-2595

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SANTULAN ARCHITECTURE

SYDNOR

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REZONING SUBMITTAL #1
03/30/18

BELMONT CHANGES
2023.01.13

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PHOTOMETRY
SUMMARY

9-DR-2023
2/21/2024

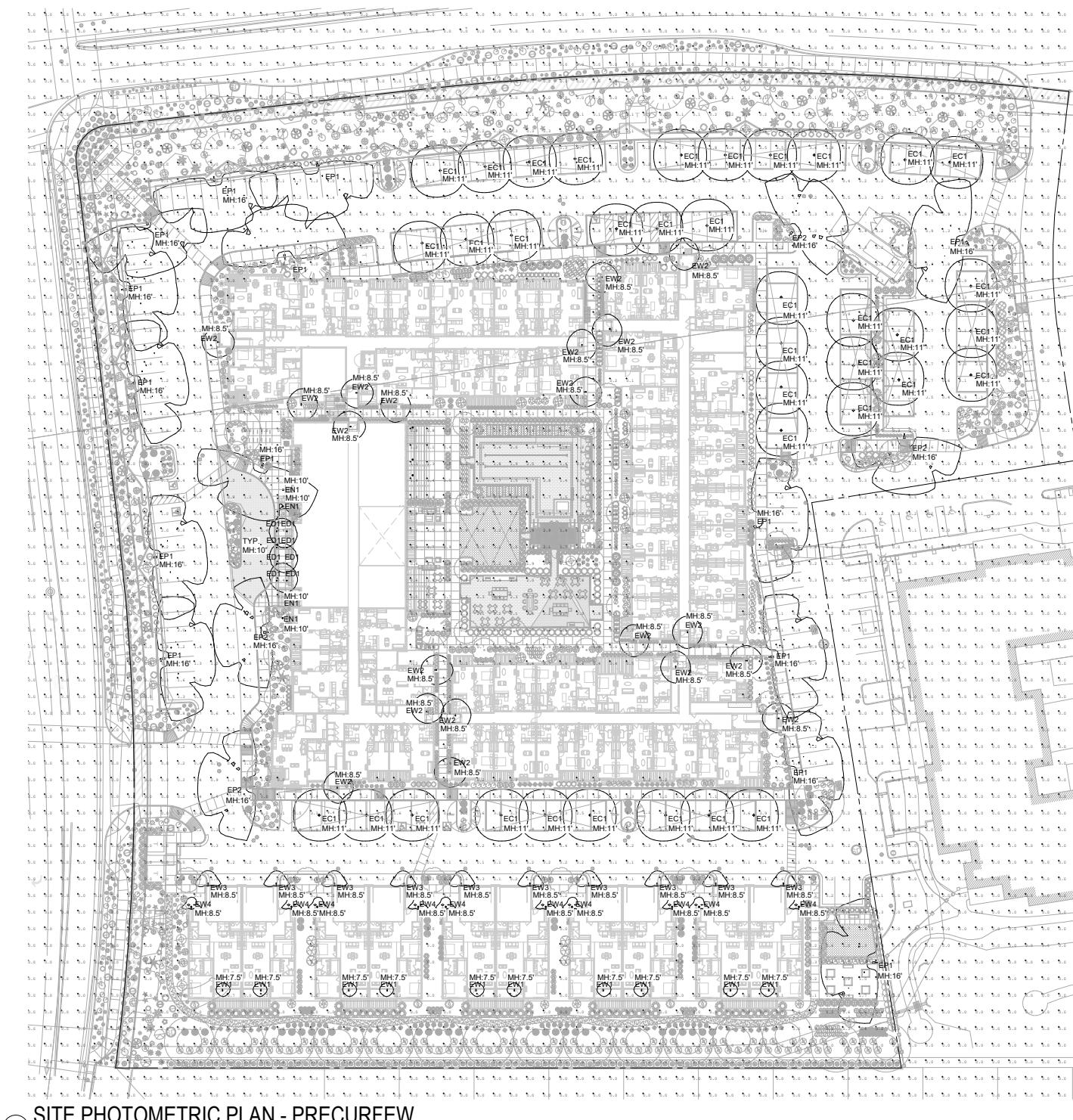
STIPULATION SET
RETAIN FOR RECORDS
APPROVED
03/19/2024
DATE APPROVED BY

LUMINAIRE SCHEDULE										
Type	Description	Manufacturer	Catalog #	Finish	CCT	Wattage	Voltage	Dim	Mounting / Height	Notes
EC1	2' VANDAL RESISTANT LUMINAIRE	LUMINAIRE	VPF4-2FT-MIN10-15W-30K-MVOLT-OP-BLK-WL	BLACK	3000	15	120-277	0-10	CEILING SURFACE / 11' AFG	
ED1	RECESSED 4" DOWNLIGHT, FULL CUTOFF	NORA	NIO-4RNDC-30X-BB + NHIOICD-48-LE4	BLACK	3000	14	120-277	0-10	RECESSED	
EL1	LED CATENARY SYSTEM	PRIMUS	DSW-24-120-G16.5F-27/200	--	2700	2/EACH	120	ELV	CABLE SUSPENDED / 9' AFG	
EL2	LED CATENARY SYSTEM	PRIMUS	DSW-24-120-G16.5F-27/200	--	2700	2/EACH	120	ELV	CABLE SUSPENDED / 9' AFG	
EN1	WALL CYLINDER, LAMBERTIAN DISTRIBUTION, 55deg CUTOFF	KLIK	LPMISTIK028CYL-30K-A-2.0W-FRS-FLT	BLACK	3000	2	24VDC	0-10	SURFACE CEILING / VARIES AFG	
EN2	SMALL ADJUSTABLE SURFACE CYLINDER, HALF SNOOT, WIDE FLOOD...	SPJ LIGHTING	MR UNIVERSE-B-6W-3000K-8-15V-54D	BLACK	3000	6	15VDC	0-10	SURFACE CEILING / 7.5' AFG	
EP1	EXTERIOR AREA POST TOP MOUNTED TO 14' TALL POLE AND BASE, TYPE 3 DISTRIBUTION, PERFORATED HOUSE SIDE SHIELD, DARK SKY	LIGMAN	UFOR-20001-48W-T3-W30-01-120/277V-DIM-C-PHSS	BLACK	3000	48	120/277	0-10	POLE / 16' AFG	REFER TO PHOTOMETRIC CALCULATIONS FOR ORIENTATION OF FIXTURE
EP2	EXTERIOR AREA POST TOP MOUNTED TO 14' TALL POLE AND BASE, TYPE 5 DISTRIBUTION, DARK SKY	LIGMAN	UFOR-20001-48W-T4-W30-01-120/277V-DIM-C-PHSS	BLACK	3000	48	120/277	0-10	POLE / 16' AFG	REFER TO PHOTOMETRIC CALCULATIONS FOR ORIENTATION OF FIXTURE
EW1	UNIT & CASITA PATIO WALL SCONCE, DARK SKY	MAXIM LIGHTING	86199ABK	BLACK	3000	6	120	NONE	WALL / 8' AFG	
EW2	AREA WALL SCONCE AT BUILDING ENTRY, FULL CUTOFF	MAXIM LIGHTING	52120AB	BRONZE	3000	15	120-277	NONE	WALL / 8.5' AFG	
EW3	GARAGE ENTRY WALL SCONCE	MODERN FORMS	WS-W57018	BLACK	3000	7.9	120	NONE	WALL / 8.5' AFG	
EW4	CASITA DOOR ENTRY WALL SONCE	MODERN FORMS	WS-W57014	BLACK	3000	7.9	120	NONE	WALL / 8.5' AFG	

PHOTOMETRIC NARRATIVE										
THE LIGHTING FOR THIS SITE IS FULLY LED. EXTERIOR LIGHTING IS LOCATED AT BUILDING ENTRIES / EXITS, ALONG MAJOR PATHWAYS, AND ACROSS ALL PARKING AREAS AND PEDESTRIAL CROSSINGS.										
THIS LIGHTING LAYOUT AND SELECTED FIXTURES ARE IN COMPLIANCE WITH ALL LOCAL ZONING CODES AND REGULATIONS GOVERNING SITE LIGHTING, AS WELL AS THE IECC AND NEC CODES.										
THE CALCULATIONS SHOWN WERE PERFORMED ON A 10' X 10' GRID AND VALUES ARE SHOWN IN FOOTCANDLES (FC). LIGHT LEVELS ACROSS THE SITE HAVE A MAXIMUM OF 8.8 FC AT ANY ONE POINT, AND IS LOCATED DIRECTLY BEHIND A FIXTURE. HOWEVER, ALL LEVELS MEET REQUIREMENTS FOR LANDING AND EGRESS. EXISTING STREETLIGHTS ARE NOT INCLUDED IN THE PHOTOMETRIC ANALYSIS.										
FIXTURES TO BE CONTROLLED VIA A BUILDING RELAY SYSTEM WITH ASTROMONICAL TIMECLOCK AND PHOTOCELL CAPABILITIES. A PRE-CURFEW AND POST-CURFEW PLAN SHALL BE IMPLEMENTED WITH THE FOLLOWING STRATEGY:										
A. PRE-CURFEW: DUSK TO 10PM, ALL EXTERIOR FIXTURES SHALL BE ON VIA PHOTOCELL AND PROGRAMMABLE TIME-CLOCK PER IECC REQUIREMENTS.										
B. POST-CURFEW: 10PM TO DAWN, ALL EXTERIOR FIXTURES NOT USED FOR SECURITY PURPOSES SHALL BE TURNED OFF AUTOMATICALLY VIA PROGRAMMABLE TIME-CLOCK.										
a. FIXTURES 2,600 LUMENS OR MORE SHALL BE OFF, EXCEPT FOR SECURITY LIGHTING SHALL BE TURNED ON FOR 15-MINUTES DURATION VIA OCCUPANCY SENSOR.										
C. PROGRAMMABLE TIME-CLOCK WILL HAVE 1HR MANUAL OVERRIDE SWITCH.										
ALL PROPOSED LIGHT FIXTURES INSTALLED ON PRIVATE PROPERTY, ADJACENT TO THE PUBLIC RIGHT OF WAY, SHALL BE ORIENTED IN SUCH A MANNER OR LIMITED IN LUMEN OUTPUT TO PREVENT GLARE AND SHALL NOT EXCEED THE NATIONAL I.E.S. STANDARDS FOR DISABILITY GLARE.										

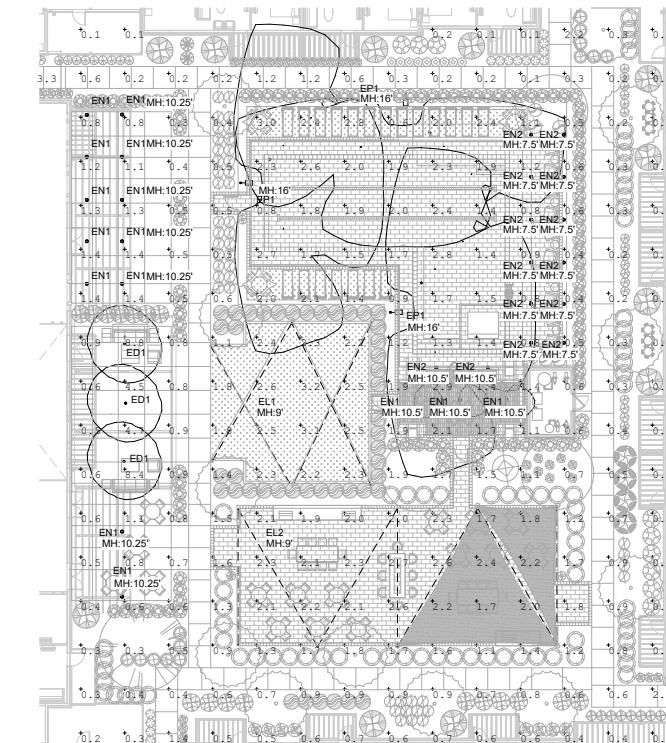
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CALCULATION SUMMARY (Fc)

AREA	Avg	Min	Max	Avg/Min
OVERALL SITE	0.38	0.0	8.80	N/A



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SITE LIGHTING PLAN
PRECURFEW

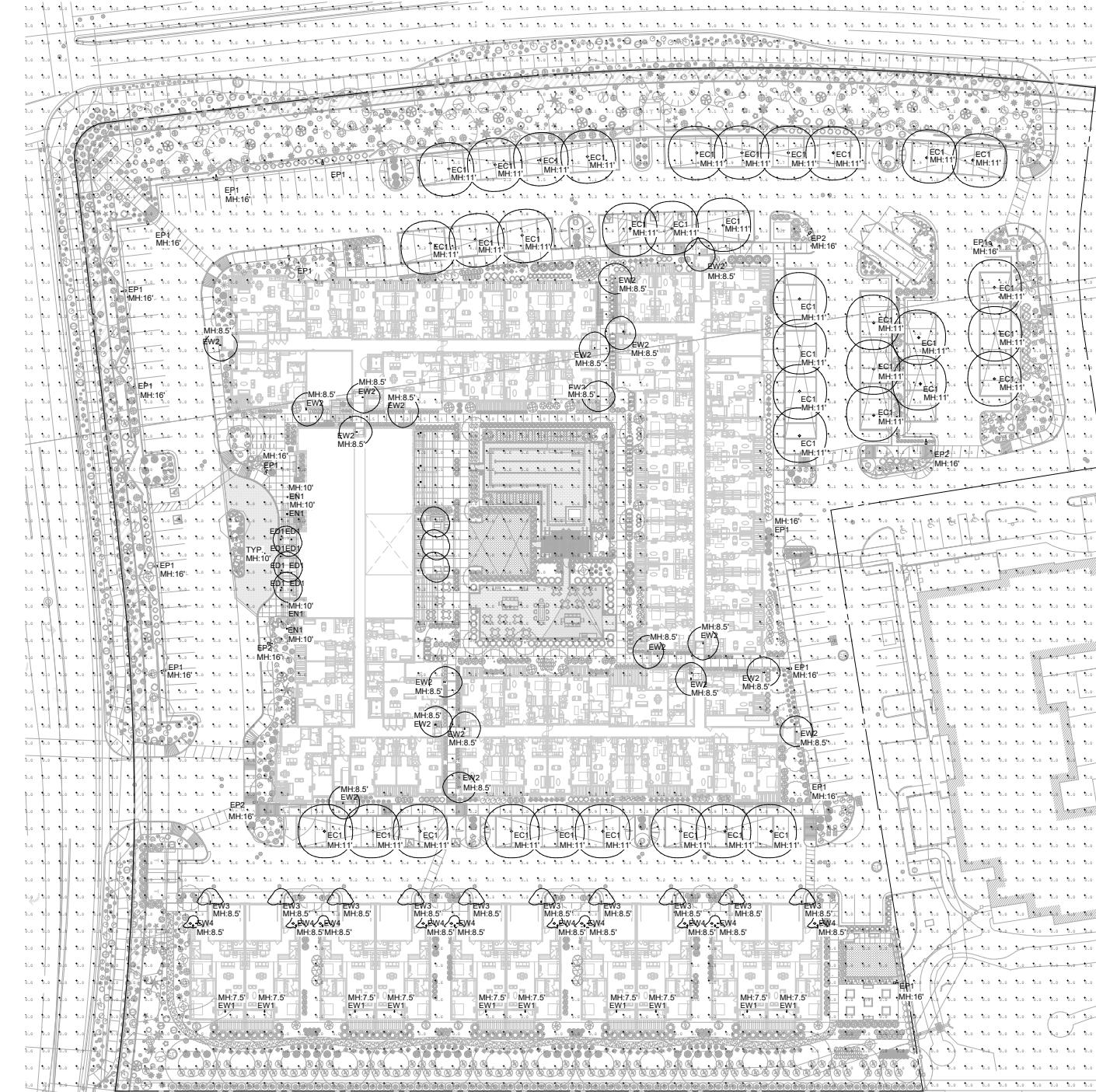
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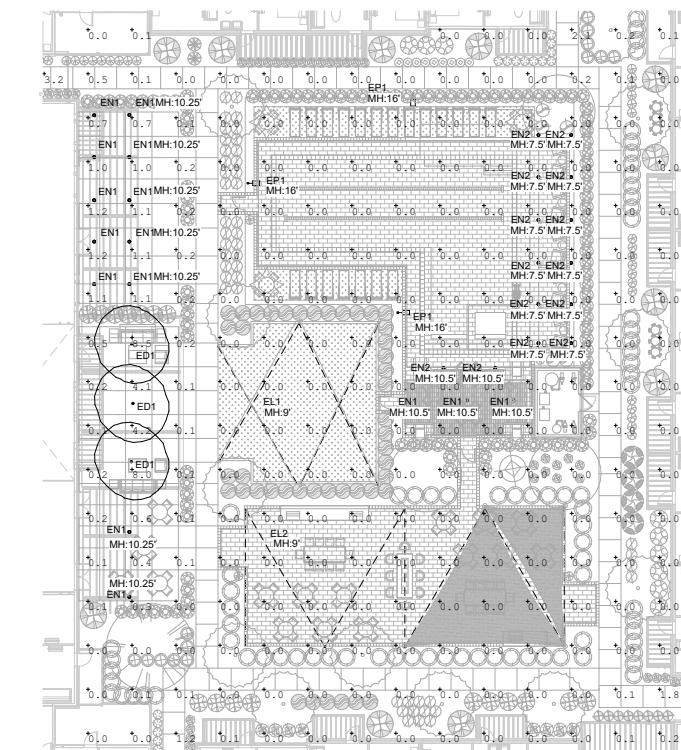
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SITE LIGHTING PLAN
POSTCURFEW



CALCULATION SUMMARY (Fc)

AREA	Avg	Min	Max	Avg/Min
OVERALL SITE	0.20	0.0	8.5	N/A



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VISION VPF4

Vandal Resistant	
Fixture Type	Date
Job Name	Approved By
Catalog Number	

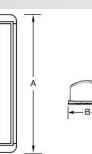
UL Listed ADA Compliant BAA

SPECIFICATIONS

Description	The Vision VPF4 series features an all aluminum, ligature resistant construction which allows it to be used in institutional environments. The housing is made of die cast aluminum, and the polycarbonate lens provides complete control of glare and LED image while maintaining the high efficiency of clear optical material. The Vision VPF4 series can be row mounted to any length. Natatorium finish is standard for all versions of this fixture.
Housing	Marine grade heat treated extruded aluminum, finished with Super Durable Corrosion Resistant powder coat (SDCP) that meets AAMA 2005 high performance specification, providing superior UV durability and corrosion resistance. Salt spray test: 4,000 hours.
Lens	Extruded UV stabilized polycarbonate with integral prisms. Maximum wall thickness 0.160". Secured to housing with 6 cast aluminum clamps and stainless steel TORX® head screws.
End Caps	Die cast marine grade aluminum with conduit knockouts that are visible from interior of end cap.
Drivers	Dimming to 1%, 10% or Programable Lumen Output driver options. Non-Dimming Driver also available.
LED	Samsung LM561B+ series @ 2700K, 3000K, 3500K, 4000K, or 5000K and 82 CRI wired in parallel-series. L _{0.9} projected life of over 130,000 hours at 50 C.
UL Listing	U.L. Damp Location Listing standard, Wet Location Listing optional.
Buy American Act	Luminaire LED, LLC products are assembled in the USA. Our products meet the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations. Please refer to www.acuitybrands.com/buy-america for additional information.
Warranty	Lifetime warranty against vandalism. Luminaire LED will repair or replace any fixture damaged due to vandalism for the lifetime of the installation.
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 °C. Specifications subject to change without notice.

DIMENSIONAL DATA

A	B	C
VPF4 1FT	15.50	4.35
VPF4 2FT	26.10	4.35
VPF4 3FT	37.88	4.35
VPF4 4FT	49.69	4.35
	2.70	2.70
	2.70	2.70
	2.70	2.70



Luminaire Led © One Lithonia Way, Conyers GA 30012 | 1.800.700.SERV (7378) | www.luminare.net
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LUMINAIRE-LED-VISION-VPF4-LED
Rev. 111522
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EL1/EL2

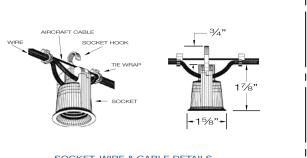


LED - DECOSTRING SERIES



SUSPENDED DECORATIVE STRINGLIGHT SYSTEMS

PROJECT:
TYPE:



Decorstrings are a perfect accent lighting solution to add a personal ambience to patios, courtyards, patios, restaurants, amusement parks and any open area. The "decorstring" system is typically strung between two anchorage points with optional intermediary support and cables fed from one end. The sockets can be either symmetrically spaced or randomly spaced to suit the application. Optional shades, guards and lenses complete the architectural design.

SPECIFICATIONS

LAMPHOLDER	Black phenolic, medium base UL weatherproof with hook for optional mounting.
POWER CORD	12/2 G. Black flexible duplex cable, UL rated for extended outdoor use.
SUPPORT CABLE	3/32" SCS aircraft cattery cable supports the system, 900ft test. Heavier cable available.
TERMINATION KITS	Heavy duty stainless steel hardware available.
LAMPS	Wet location rated LED and incandescent medium base A, G or S style lamps.
DIMMING	Dimmable to 10% with ELV trailing edge dimmers.
VOLTAGE	120V system (190 watts max load). No driver or transformer required.
ACCESSORIES	Optional brass, aluminum and acrylic shades. Consult factory for custom shades.
PHOTOMETRY	Bare lamp and shielded "BUG" rated. IES files available.
CERTIFICATION	ETL listed for permanent damp or wet installations. 2001431 MADE IN THE USA

PART NUMBER

SERIES	SPACING	VOLTS	LAMP	SHADE-FINISH	TERMINATION KIT	LENGTH	SPECIFY
DS5 DAMP	12' 120V	120V					
DSW WET	18' 120V						
	24' 240V						
	36' 360V						
	48' 480V						
(OTHER, SPECIFY)							

3570 Lexington Ave, El Monte, CA 91731 • PH. 626.442.4600 • primuslighting.com

P2 V-10 05/21

FULL SPECIFICATION SHEETS AVAILABLE AT [PRIMUSLIGHTING.COM](http://primuslighting.com).

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P3 V-10 05/21

VISION VPF4

Vandal Resistant

VPF4 Series

LED

EN1

KLIK USA



2840 N Brookfield Rd, Suite 3
Brookfield, WI 53045 | PH: 262.505.5124 | www.klikusa.com
PK: 262.753.6582 | sales@klikusa.com

MISTIK 028 CYL SPEC SHEET



Optics	Beam Angle	Lm	W	mA	System Lumens*
symmetrical		165	1.4	350	126
		235	2	500	174
		284	2.5	700	211

Colour 2200K - 2700K - 3000K - 4000K - 5000K - Red - Green - Blue - Amber - PC Amber
CRI 80-85
Binning 2 MacAdam Step

Fixture Driver Output 350 - 700mA Constant Current (Provided with fixture based on selected wattage. Compatible with KLIK 24VDC power supply)

Control 0-10V, DMX, DALI

Mounting By others - 0.25in hole provided top and bottom for surface mounting

Distribution symmetric - asymmetric - soft symmetric - soft asymmetric - frost symmetric - frost asymmetric

Weight 0.1lbs

* DMX control is for overall dimming only and not for individually addressable LED pods

** Lumens per fixture based on 4000K

Product Codes Follow the steps to specify your fixture. Enter Product Code in field at top of page. Example: LPMISTIK028CYL30KA2/0WFLD

Fixture Type	Color*	Distribution	Wattage	Lumens*	Mounting	Custom Bezel**
LPMISTIK028 CYL	20K 2200K	A - Asymmetric	2.0W	126	FLR	FLR
	30K 2700K	A - Asymmetric	2.0W	174	FLR	FLR
	40K 4000K	A - Asymmetric	2.0W	211	FLR	FLR
	50K 5000K	A - Asymmetric	2.0W	211	FLR	FLR
	AMBI Amber	A - Asymmetric	2.0W	211	FLR	FLR
	PCA Phosphor Coated Amber	A - Asymmetric	2.0W	211	FLR	FLR

1. Other colors on request.
2. Color temperature adjustment: FRS is heavy opaque; SFT is light filter.
3. Specify ETL wet location rating.
4. Additional charges and lead time apply to this fixture.
5. Covered under standard warranty, contact factory.

Dimming optional
SELV Power Supply
24VDC
24VDC Red +
24VDC Black -
24VDC Black -
24VDC Red +

R2.0 20210922 | KLIK MISTIK 028 | Page 1 of 1

EW3



Project:
Location:
Fixture Type:
Catalog Number:

AVAILABLE FINISHES:

Model & Size	Color Temp	Finish	LED Watts	LED Lumens	Delivered Lumens
WS-W57018 18"	3000K	CK-BKAB Black & Aged Brass	7.5W	600	217

Example: WS-W57018-BK/AB
For custom requests please contact customers@modernforms.com

ModernForms.com | Phone: (866) 810-6615 | Fax: (866) 536-2585
Central Distribution Center: 1600 Distribution Ct Lithia Springs, GA 30122
Western Distribution Center: 1750 Archibald Avenue, Ontario, CA 91760

MODERN FORMS

ModernForms.com | Phone: (866) 810-6615 | Fax: (866) 536-2585
Central Distribution Center: 1600 Distribution Ct Lithia Springs, GA 30122
Western Distribution Center: 1750 Archibald Avenue, Ontario, CA 91760

MODERN FORMS

EN2

SPJ LIGHTING Inc.
ARCHITECTURAL LANDSCAPE & OUTDOOR LIGHTING

SPECIFICATION SHEET
Directional Light
MR. UNIVERSE



Project Name:
Specifier:
Location:
Product Code:

POST DIAMETER Ø38 - Ø42 - Ø48
DIAMETER Ø44

Use #8 fastener
0.5P
Allow 3/8" in for power entry

Barriers by others
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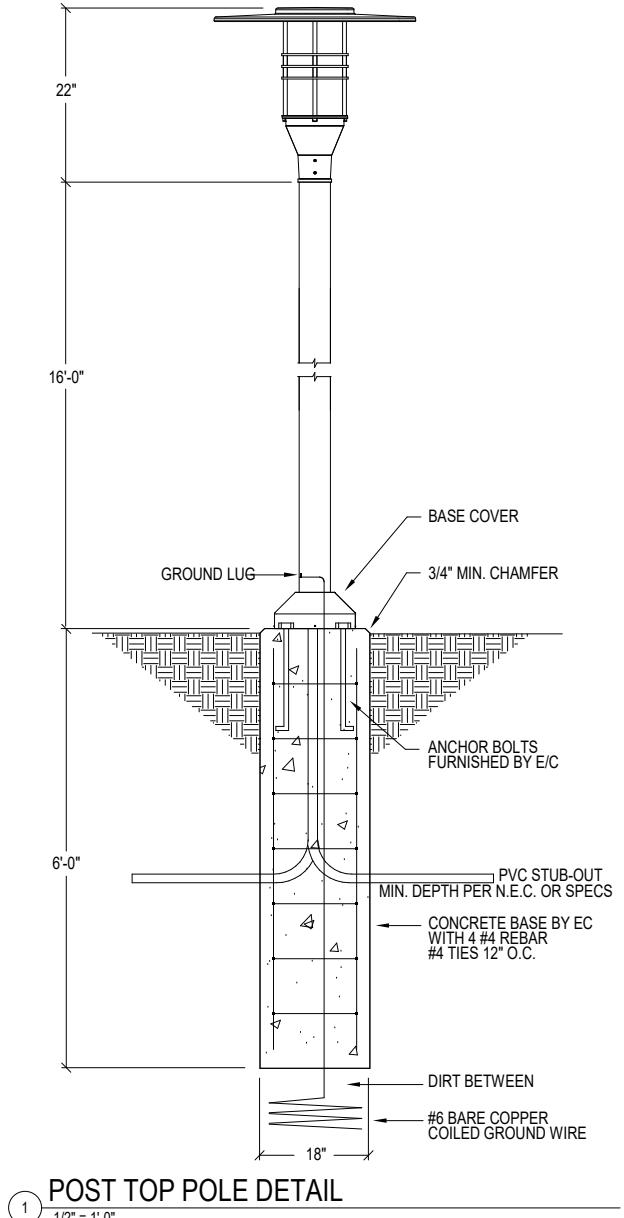
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LIGHTING DETAILS

STIPULATION SET
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