

1 ELECTRICAL SITE DEVELOPMENT PLAN
1" = 50'-0"

GENERAL NOTES

- PROJECT NAME/ADDRESS (ALSO SHOWN IN TITLE BLOCK): WIDEFIELD PARKS AND RECREATION FACILITY EXPANSION, 755 ASPEN DRIVE, COLORADO SPRINGS, COLORADO, 80911.
- REFER TO GESDCP PLAN COVER SHEET FOR VICINITY MAP.
- A PARTIAL SITE PLAN WITH PROPERTY BOUNDARY IS SHOWN TO MAINTAIN SCALE FOR NECESSARY LIGHTING INFORMATION SHOWN. REFER TO FINAL GRADING AND EROSION CONTROL PLAN CS-2 FOR COMPLETE SITE PLAN AND PROPERTY LINE AS NEEDED.
- THERE ARE NO NEW OR EXISTING RIGHT-OF-WAYS OR EASEMENTS FOR THIS PROJECT THAT REQUIRE LIGHTING.

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BCER
ENGINEERING | TECHNOLOGY | LIFE SAFETY
BCER PROJECT 23527039

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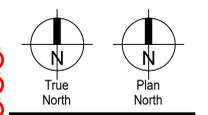
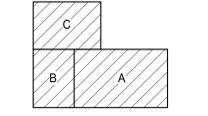
Widefield Parks and Recreation Facility Expansion
755 Aspen Drive, Colorado Springs, CO 80911
Widefield School District 3
1820 Main Street Colorado Springs, CO 80911



SITE DEVELOPMENT PLAN

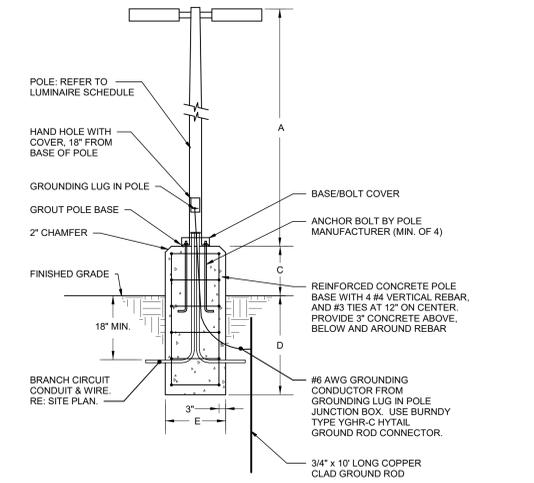
Drawn: _____ DGK
Checked: _____ JTV
Issued: _____ 24 February 2022
Revised: _____
C: PLANNING REVISIONS 15 April 2022

Area Key Plan



ELECTRICAL SITE DEVELOPMENT PLAN

E1.0S
Project No. 21-004
The LKA Partners Incorporated



- NOTES:**
- POLE BASE DIMENSIONS ARE BASED ON POLE HEIGHT PER TABLE BELOW UNLESS OTHERWISE NOTED. THE ABOVE GROUND DIMENSION C SHALL BE 6\"/>

POLE HEIGHT	POLE DIMENSION TABLE			DIAMETER
	ABOVE GROUND	BELOW	BELOW	
A	C	D	E	
10'	2'-6"	4'-0"	2'-0"	2'-0"
15'	2'-6"	5'-0"	2'-0"	2'-0"
20'	2'-6"	7'-0"	2'-0"	2'-0"
25'	2'-6"	8'-0"	3'-0"	3'-0"
30'	2'-6"	9'-0"	3'-0"	3'-0"
35'	2'-6"	9'-0"	3'-0"	3'-0"

2 POLE FIXTURE MOUNTING DETAIL
NOT TO SCALE

KEY	SOURCE				POWER				DESCRIPTION	FINISH	MOUNTING			MANUFACTURER	CATALOG #	NOTES
	TYPE	CRI	CCT	DELIVERED LUMENS	VOLT	VA	DRIVER/BALLAST	DIMMING			TYPE	DEPTH	MOUNT HEIGHT			
DW	LED	80	4000	1624	277 V	19	0-10V	1%	6" SQUARE DOWNLIGHT (WET LISTED COVERED CEILING)	TBD BY ARCH	RECESSED	7.96"		PRESCOLITE	HOUSING: LTR-6SQD-H-SL15L-DM1 TRIM: LTR-6SQD-T-SL40KMD-SS-XX-XX	(13)
AA1	LED	70	4000	15605	277 V	110	0-10V	10%	17'-06" POLE MOUNTED SINGLE LED LUMINAIRE, TYPE 3 DISTRIBUTION, INTEGRAL OCCUPANCY SENSOR, DIA-CAST ALUMINUM, CORROSION RESISTANT HOUSING. SQUARE STRAIGHT STEEL POLE. POLE MOUNTED ON CONCRETE POLE BASE EXTENDING 2'-06" ABOVE FINISHED GRADE FOR OVERALL LUMINAIRE HEIGHT OF 20'-00"	BLACK MATTE TEXTURED	POLE	3.75"	20'-00"	HUBBELL	LUMINAIRE: ASL1-160L-115-4K7-3-UNV-ASQU-NXSPW30F-BLT POLE: SSS-H(17'-6")-40-A-1-_-BLT	(11)
AA1F	LED	70	4000	15605	277 V	110	0-10V	10%	18'-06" POLE MOUNTED SINGLE LED LUMINAIRE, TYPE 3 DISTRIBUTION, INTEGRAL OCCUPANCY SENSOR, DIA-CAST ALUMINUM, CORROSION RESISTANT HOUSING. SQUARE STRAIGHT STEEL POLE. POLE MOUNTED ON CONCRETE POLE BASE EXTENDING 0'-06" ABOVE FINISHED GRADE FOR OVERALL LUMINAIRE HEIGHT OF 20'-00"	BLACK MATTE TEXTURED	POLE	3.75"	20'-00"	HUBBELL	LUMINAIRE: ASL1-160L-115-4K7-3-UNV-ASQU-NXSPW30F-BLT POLE: SSS-H(19'-6")-40-A-1-_-BLT	(11)
AA1S	LED	70	4000	15605	277 V	110	0-10V	10%	14'-06" POLE MOUNTED SINGLE LED LUMINAIRE, TYPE 3 DISTRIBUTION, INTEGRAL OCCUPANCY SENSOR, DIA-CAST ALUMINUM, CORROSION RESISTANT HOUSING. SQUARE STRAIGHT STEEL POLE. POLE MOUNTED ON CONCRETE POLE BASE EXTENDING 0'-06" ABOVE FINISHED GRADE FOR OVERALL LUMINAIRE HEIGHT OF 15'-00"	BLACK MATTE TEXTURED	POLE	3.75"	15'-00"	HUBBELL	LUMINAIRE: ASL1-160L-115-4K7-3-UNV-ASQU-NXSPW30F-BLT POLE: SSS-H(14'-6")-40-A-1-_-BLT	(11)
AA2	LED	70	4000	31210	277 V	220	0-10V	10%	17'-06" POLE MOUNTED DOUBLE LED LUMINAIRE, TYPE 3 DISTRIBUTION, INTEGRAL OCCUPANCY SENSOR, DIA-CAST ALUMINUM, CORROSION RESISTANT HOUSING. SQUARE STRAIGHT STEEL POLE. POLE MOUNTED ON CONCRETE POLE BASE EXTENDING 2'-06" ABOVE FINISHED GRADE FOR OVERALL LUMINAIRE HEIGHT OF 20'-00"	BLACK MATTE TEXTURED	POLE	3.75"	20'-00"	HUBBELL	LUMINAIRE: (2) ASL1-160L-115-4K7-3-UNV-ASQU-NXSPW30F-BLT POLE: SSS-H(17'-6")-40-A-2-_-BLT	(11)
AAW	LED	70	4000	15605	277 V	110	0-10V	10%	WALL MOUNT SINGLE LED LUMINAIRE, TYPE 4 WIDE DISTRIBUTION, INTEGRAL OCCUPANCY SENSOR, DIA-CAST ALUMINUM, CORROSION RESISTANT HOUSING. SQUARE STRAIGHT STEEL POLE. POLE MOUNTED ON CONCRETE POLE BASE EXTENDING 2'-06" ABOVE FINISHED GRADE FOR OVERALL LUMINAIRE HEIGHT OF 20'-00"	BLACK MATTE TEXTURED	WALL	3.75"	20'-00"	HUBBELL	LUMINAIRE: ASL1-160L-115-4K7-4-UNV-ASQU-NXSPW30F-BLT WALL BRACKET: WB-AREA-BLT	(11)
WDE	LED	70	4000	3213	277 V	23	0-10V	10%	WALLPACK (SMALL FOOTPRINT), TYP 4 WIDE DISTRIBUTION, INTEGRAL OCCUPANCY SENSOR, EMERGENCY (COLD WEATHER BATTERY PACK)	BLACK MATTE TEXTURED	WALL	9"	10'-00"	HUBBELL	RWL1-48L-25-4K7-4-UNV-BLT-NXSPW14F-EH	(8)(11)
WHE	LED	70	4000	6336	277 V	55	0-10V	10%	WALLPACK FORWARD TYPE IV OPTICS, INTEGRAL OCCUPANCY SENSOR, EMERGENCY (COLD WEATHER BATTERY PACK)	BLACK MATTE TEXTURED	WALL	7.25"	10'-00"	BEACON	TRV-D-24L-55-4K7-4F-UNV-SWPM-MOB-BPC-BLT	(8)(11)

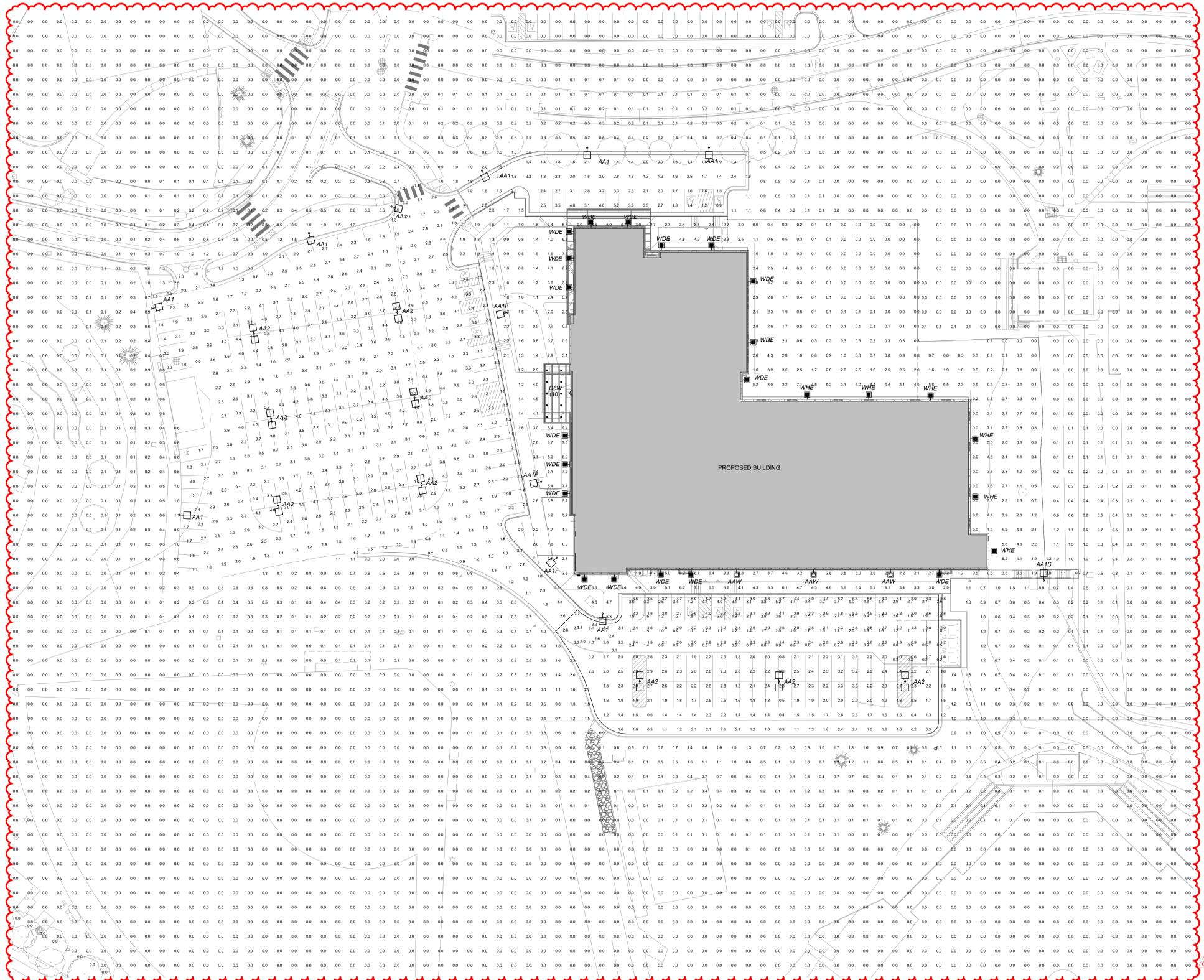
LUMINAIRE SCHEDULE GENERAL NOTES
H. DAYLIGHT CONTROL: EXTERIOR LIGHTING SHALL AUTOMATICALLY TURN ON AT DUSK AND OFF AT DAWN.

LUMINAIRE SCHEDULE PROJECT SPECIFIC NOTES
(8) INTEGRAL 90 MINUTE MINIMUM EMERGENCY BATTERY PACK.
(11) INTEGRAL OCCUPANCY SENSOR SHALL AUTOMATICALLY REDUCE TOTAL WATTAGE OF LUMINAIRE BY 50 PERCENT ANY TIME ACTIVITY HAS NOT BEEN DETECTED FOR 15 MINUTES OR MORE.
(13) DIMMED TO REDUCE TOTAL WATTAGE BY 50 PERCENT BETWEEN MIDNIGHT AND 6 AM.

OWNER/APPLICANT:
WIDEFIELD SCHOOL DISTRICT 3
445 JERSEY LANE
COLORADO SPRINGS, CO 80911
CONTACT: DAVE GISH, GISHD@WSD3.ORG

BCER CONTACT LIST

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PROJECT ENGINEER / DESIGNER DAVE KAMBICH 303.638.6423 DKAMBICH@BCER.COM	PROJECT MANAGER CHRIS WREN 719.640.9821 CWREN@BCER.COM



- GENERAL NOTES**
1. THESE PHOTOMETRIC CALCULATIONS ARE BASED ON MANUFACTURER'S IES FILES AND 0.95 DEPRECIATION FACTORS.
 2. ACTUAL ILLUMINANCE LEVELS MAY DIFFER FROM THE FOOTCANDLE LEVELS SHOWN DUE TO VARIABLE FIELD CONDITIONS SUCH AS NEARBY EXISTING LUMINAIRES, LUMINAIRE DIRT DEPRECIATION, LANDSCAPING, AND FUTURE REDESIGNS.
 3. OFF-SITE ILLUMINATION GREATER THAN ZERO AT AND BEYOND THE PROPERTY BOUNDARY LINE IS NOT PERMITTED. CALCULATION GRID SHOWN IS WELL WITHIN PROPERTY BOUNDARY LINE, AND PERIMETER POINTS OF SUCH CALCULATION GRID HAVE FOOTCANDLE VALUES OF ZERO. THEREFORE, THE ILLUMINANCE LEVELS AT AND BEYOND THE PROPERTY BOUNDARY LINE ARE ZERO.
 4. BUILDING EXTERIOR LIGHTING SHALL BE CONTROLLED BY TIME BASED SCHEDULE WITH NEW LUTRON LUMINAIRE CONTROL SYSTEM.
 5. SEQUENCE OF CONTROL FOR BUILDING EXTERIOR LIGHTING:
DAYLIGHT SHUTOFF: AUTOMATICALLY TURNS LIGHTING ON AT DUSK AND OFF AT DAWN.
- LUMINAIRE SCHEDULE: LUMINAIRES WITH INTEGRAL OCCUPANCY SENSORS SHALL AUTOMATICALLY REDUCE WATTAGE AS INDICATED ON LUMINAIRE SCHEDULE. DBW LUMINAIRES IN CANOPY ABOVE WEST MAIN ENTRY SHALL BE DIMMED TO REDUCE TOTAL WATTAGE OF SUCH LUMINAIRES AS INDICATED ON LUMINAIRE SCHEDULE.

E - SITE ILLUMINANCE RESULTS

Calculation Points Name	Average	Maximum	Minimum	Avg/Min	Max/Min
MAIN PARKING LOT	3 fc	4.9 fc	0.2 fc	14.3	25.0
SOUTH PARKING	2 fc	6.6 fc	0.2 fc	11.7	31.2
NORTH PARKING LOT	2 fc	5.2 fc	0.9 fc	2.4	5.0
ENTRY CANOPY	11 fc	14.6 fc	5.3 fc	2.0	2.8
BUILDING PERIMETER THROUGHOUT THE PROPERTY	0 fc	9.4 fc	0.0 fc	27393183976.5	118063486799.0
PROPERTY CALCULATION BOUNDARY LINE	0 fc	0.0 fc	0.0 fc	763.1	35563.0

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1 ELECTRICAL SITE LIGHTING PLAN - PHOTOMETRY
1" = 30'-0"
30' 15' 0' 30'

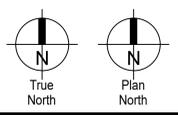
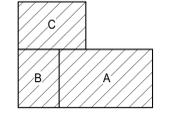
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755 Aspen Drive, Colorado Springs, CO 80911
Widefield School District 3
1620 Main Street Colorado Springs, CO 80911



SITE DEVELOPMENT PLAN

Drawn: DGK
Checked: JTV
Issued: 24 February 2022
Revised:
C PLANNING REVISIONS 15 April 2022

Area Key Plan



ELECTRICAL SITE LIGHTING PLAN - PHOTOMETRY

E1.1S
Project No. 21-004
The LKA Partners Incorporated



LTR-6SQD

LITEISTRY 6" SQUARE DOWNLIGHT

- FEATURES**
- 6" Architectural LED downlight delivering 600 - 9000 lm
 - Five beam distributions from 0.4 to 1.2 Spacing Criteria
 - Quiet reflector appearance with superior 50° optical cutoff
 - 2700K - 5000K, 80+ and 90+ CRI options
 - Available in New Construction (non-IC), IC and Chicago Plenum applications
 - Variety of dimming protocol options including 0-10V, DALI, DMX, Lutron Forward Phase, and Ecosystem
 - NX Distributed Intelligence™ wired and wireless controls capability available

DATE: _____ LOCATION: _____
 TYPE: **DRW** PROJECT: _____
 CATALOG #:

LITEISTRY



- RELATED PRODUCTS**
- LTR-6SQD SpectraSync
 - LTR-6SQD PowerHub
 - LITEISTRY Family
- SERVICE PROGRAMS**
- STOCK
 - QS

CONTROL TECHNOLOGY

NX DISTRIBUTED INTELLIGENCE

SPECIFICATIONS

CONSTRUCTION

- Standard finish: Chicago Plenum and C options
- New Construction: Painted black durable steel platform with pre-installed bar hangers
- Pre-wired junction box with snap-on covers for easy access
- Snap-in connection from driver compartment allows easy installation
- Light Engine connectors use aluminum rated (CMF) cable
- Visually pleasing 50° cutoff to source and source image
- The light distribution is free of distracting bright spots or gradients and the perimeter has a smooth transition
- Optical grade silicone lens integral to light engine
- High purity four-panel aluminum reflector, self-fanged
- Flush Mount: flange option with mud ring available
- Large selection of anodized finishes and colors
- Painted cones and flange options available

ELECTRICAL

- Chicago-vented (CB) LED with 250CM
- Multiple CCT, 80+ or 90+ CRI
- Long LED life: L90 at 155,000 hours (TM 2)

ELECTRICAL CONTINUED

- Universal 0-10V/277V driver, 347V optional
- Class 2, inherent short circuit and overload protection, RoHS compliant
- Flicker free 0-10V dimming with 7% or 1% performance
- DALI, DMX, and Lutron Forward Phase and Ecosystem options
- NI or Lutron Vive control option available
- Integral and remote emergency controller and battery pack options available
- Refer to additional spec sheets for information on SpectraSync™, Tunable White or Dim-to-Warm or [PowerHub™](#) [Full-featured solutions](#)

INSTALLATION

- Accommodates ceiling thicknesses up to 125"
- Universal adjustable mounting brackets also accept 1/2" DMF conduit or 1/2" or 1/4" tubing channel by other or Prescolite accessory bar hangers (B24 or B8)
- Light Engine/Driver fully serviceable from above or below the ceiling

CERTIFICATIONS

- UL E188 certified to UL E188
- For 270L Marked spacing required 36" future center to center, 30" future center to lighting member, 0.5" above future

CERTIFICATIONS CONTINUED

- UL listed for wet locations, covered ceiling, EMI/EMC Suitable for damp locations.
- Approved for 8 ft (4 in) cut No. 2/0 AWG conductors rated for 90°C wiring
- EMER: Certified under UL 924 standard for emergency lighting and power equipment
- ENERGY STAR™ certified models available. (See list and additional information on page 1)
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 6/6/2020. See [Buy American Solutions](#)

WARRANTY

- 5-year warranty
- See [L1 Standard Warranty](#) for additional information

KEY DATA

Lumen Range	600-9000
Wattage Range	8-99
Efficacy Range (LPW)	87-99*
Life (Hours)	150 / 55,000*
Input Current (mA)	67-825 (220V)

* Based on Specular, 35K, 80 CRI

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LTR-6SQD

LITEISTRY 6" SQUARE DOWNLIGHT

ORDERING GUIDE

CATALOG # _____ Example: LTR-6SQD-H-SLXL-DML-LTR-6SQD-T-SL35K8MD-SS

HOUSING

Aperture/Shape/Function	Lumen Package	Driver Options	Control Options	Voltage	Housing Options
LTR-6SQD-H 6" Square Downlight New Construction Housing	SL Standard Lumen DL 800 SL 1000 ML Medium Lumen 25L 2500 30L 3000 HL High Lumen 35L 3500 40L 4000 45L 4500 VL Very High Lumen 55L 5500 60L 6000 XL Extra High Lumen** 90L 9000	DM1 0-10V Dimming to 75% DM01 0-10V Dimming to 100% DMX DMX with ECM dimming to 100% DALI DALI Dimming to 100% 2IM Lutron HiLume 2-wire Dimming to 75/100V Forward Phase only** EDM Lutron HiLume Ecosystem Dimming to 100%	NNE NX Dual SmartPDR™ NWE NX Wireless Enabled* NWD NX Wireless, Dual SmartPDR™ LV Lutron Vive Enabled, 0-10V (requires 0-10V driver) LVE Lutron Vive Enabled, Ecosystem, (requires EDM)	Standard 80/277V 34 347V*	CP Chicago Plenum** IC IC Rated** EM Emergency Battery Pack with integral test switch and indicator light† EMR Emergency Battery Pack with remote test switch and indicator light† GTD Generator Transfer Device † DTS Device Transfer Switch with Dimming Bypass †** F Flush*

TRIM

Aperture/Shape/Function	Lumen Package	CCT	CRI	Distribution	Reflector Finish
LTR-6SQD-T 6" Square Downlight Light Engine/Tie Assembly	SL Standard Lumen ML Medium Lumen HL High Lumen VL Very High Lumen XL Extra High Lumen** 90K 9000*	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K*	8 80+ CRI 9 90+ CRI	VNR Very Narrow (0.4 SC295) NR Narrow (0.6 SC295) MD Medium (0.7 SC247) WD Wide (0.9 SC95) HW Extra Wide (2.5 SC95)	Finish not applicable with painter's reflectors (M or IC) S Specular SS Satin Specular VS SoftGloss VSS SoftSheen™

TRIM CONTINUED

Reflector Color	Flange Color Options	Mount Trim Options	Reflector Options
Standard Color	Standard machine reflector color	EM Pre-painted Reflector for Integral Switch	JAM Antimicrobial Coating*†
CG Champagne Gold BL Black LW Light Wheat PW White WC Painted White Cone and Flange BC Painted Black Cone and Flange	WT White Flange* BT Black Flange*	FM Flush Mount Mastin Ring†	

- Accessories**
- B24 Set of two (2) 24" bar hangers for T-bar ceilings
 - B8 Set of two bar hangers for ceiling just up to 24" centers
 - FM-8G Flush Mount Mastin Ring, 6" Square
 - LifeGear LifeGear™ Inverter, 120VA-250VA
 - LPS Series LightPower Micro-Inverter, 20VA-65VA
 - MOR8-SQ-WH Metal Overlaid Ring, 6" Square, White (0.25" outer dimension)
 - MOR8-SQ-BL Metal Overlaid Ring, 6" Square, Black (0.25" outer dimension)
- Notes:**
- Housing options (except Flush) not available in combination.
 - 5000K available in 80+ CRI only.
 - 2IM, EDM, DMX available in 10L, 25L, DMXL, DALI not available on 95L.
 - NI requires DMF over cable, not available in 80L.
 - WV not needed for WC, BT not needed for BC.
 - All available with IC or Specular Color (or both). Consult factory for other colors.
 - Flush Mount Flange (FM) requires IEM accessory (sold separately).
 - 0-10V requires DMF driver option, available 10L, 25L, not available with Custom, IC, CTD, CTS, EMS.
 - CP available up to 20L, not available with Control DS, or EDM options.
 - EM and EMR are 0-10V to 100V dimming.
 - XL (90L, 90K) require market spacing. See list for more details.
 - EDM available with DMX, DALI, or ECM not available with VUE.

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AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

FEATURES

- Compact sleek design with multiple LED configurations and simple installation
- The Airo includes a universal mounting block for easy pole installation or mast arm option for 2-3/8" OD roadway brackets
- Capable of replacing up to 1000W HID luminaires
- Micro Strike optical distributions of Type 2, 3, 4W or SOW
- Tool-less entry option for easy installation and maintenance
- LSG-rated for high vibration applications including bridges and overpasses



- RELATED PRODUCTS**
- BAG2-Ratio
 - BAG2-Ratio
 - Cinerson LED

CONTROL TECHNOLOGY

SiteSync™ NX DISTRIBUTED INTELLIGENCE

SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Separate optical and electrical compartment for improved thermal management and optional component operation
- TPC: thermoplastic polyester powder paint finish applied at nominal 2.5 mil thickness
- Optics
- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- Premium engineered individual acrylic lenses deliver IES Type 2, 3, 4W and SOW distributions
- Lens distributions are field rotatable (in 90° increments) or interchangeable for job site fine-tuning
- 3000K, 4000K, or 5000K (70 CR) CCT
- 80, 160, or 320 mcd power LEDs
- 3000K, 4000K or 5000K (70 CR) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Tool-less entry to wiring/driver compartment optional
- Universal mounting block works with #2 drill pattern
- Flange strips with slotted mounting block to accommodate wide range of drill patterns for easy retrofit opportunities
- Mast arm flange accessory or option available for 2-3/8" OD brackets with vertical tilt of +3°, 0° or -3°

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40° C to 40° C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA and 10kV protection meeting ANSI/IEEE C82.41.2 Category C, High and Surge Location Category C2. Automatically takes in-line for protection when device is consumed

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-gain ANSI C136.41-2013 photocentric response option available for twist lock photocentrics or wireless control modules (control accessories sold separately)
- Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6"
- SiteSync™ wireless control system is available via 7-pin. See ordering information and details at [www.hubbelllighting.com/siteync](#).
- NX Distributed Intelligence™ available with all future wireless control module, features dimming and occupancy sensor

CONTROLS (CONTINUED)

- wiSCAPE™ available with in future wireless control module, features dimming and occupancy sensor via 7-pin
 - Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application
- CERTIFICATIONS**
- Listed to UL E188 and CSA C22.2/250.0-24 for wet locations and AIC ambient temperature
 - DLC_i (design) lights Consortium Qualified with some Premium Qualified configurations. Please refer to the DLC website for specification qualifications at [www.designlights.org](#)
 - 1.5-g rated for ANSI C136.31 high vibration applications
 - IP65 optical assembly
 - Meets DA recommendations using 3K CCT configuration at 0 degrees of tilt
 - This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See [Buy American Solutions](#)

WARRANTY

- 5-year warranty
- See [L1 Standard Warranty](#) for additional information

KEY DATA

Lumen Range	3,200-36,000
Wattage Range	25-255
Efficacy Range (LPW)	118-148
Weight (lbs. (kg))	14.5-175 (6.6-8.0)

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AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

ORDERING GUIDE

CATALOG # _____ Example: ASL1-B0L-50-3K7-2-UNV-ASQU-BLT-7PR8D-40P

ORDERING INFORMATION

Series	# LEDs	CCT/CRI	Distribution	Rotation/Orientation	Voltage	Mounting
ASL1 ASL Microstrike Series	80L/28 3,000 lm 80L/39 4,500 lm 80L/50 6,000 lm 80L/70 9,000 lm 80L/100 12,000 lm 80L/115 15,000 lm 80L/135 18,000 lm	3K7 3000K, 70 CRI 4K7 4000K, 70 CRI 5K7 5000K, 70 CRI	2 Type 1 3 Type 8 4W Type 4W 50W Type 50W	L Optic rotation left R Optic rotation right	UNV Universal 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	ASQU Arm Square w/ Universal Mount A3 AS with 3.5" x 1.5" OD FR&L LM A4 AS with 4.85" x 2" OD FR&L U A5 AS with 5.65" x 1" OD FR&L LM MAP Mast Arm Filter for 2-3/8" OD
ASL2 ASL Microstrike Series	320L/145 21,000 lm 320L/170 24,000 lm 320L/185 27,000 lm 320L/210 30,000 lm 320L/235 33,000 lm 320L/255 35,000 lm					

Control Options Network	Options	Color
SWP#1 SiteSync pre-commissioned	F# Flange BC Backlight Control TE Terminal Block T# Toolless Entry S# Stainless Steel Fasteners	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DMS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Gray Gloss Smooth LGT Light Gray Matte Textured PSS Platinum Gloss Smooth WHM White Matte Textured WHS White Gloss Smooth VST Venetian Gloss Textured
SWP#2 SiteSync wireless pre-commissioned w/ motion detection		
NXPW#1P NX Wireless, PR Occupancy Sensor, Dimming Daylight Harvesting, M Just white for WH, back for DB, GT, TT, gray for GS, PS		
NXPW#2P NX Wireless, PR Occupancy Sensor, Dimming Daylight Harvesting, 30° Just white for WH, back for DB, GT, TT, gray for GS, PS		
NXPW#4P NX, PR Occupancy Sensor, Dimming Daylight Harvesting, M Just white for WH, back for DB, GT, TT, gray for GS, PS		
NXPW#5P NX, PR Occupancy Sensor, Dimming Daylight Harvesting, 30° Just white for WH, back for DB, GT, TT, gray for GS, PS		
NXPW#6P NX, PR Occupancy Sensor, Dimming Daylight Harvesting, 30° Just white for WH, back for DB, GT, TT, gray for GS, PS		
SCAP# Remote control programmable line voltage sensor		
SCAP#P Remote control programmable line voltage sensor		
Control Options Color		CC Custom Color
7PR 7 Pin Receptacle		
7PR-SC 7 Pin Receptacle with shrouding cap		
7PR-MDF 7 pin receptacle with low voltage sensor at 8' mounting for external control accessory		
7PR-MDFP 7 pin receptacle with low voltage sensor at 40' mounting for external control accessory		
7PR-TL 7 Pin Receptacle with Photocontrol		
ADD AutoDim timer based dimming		
ADD AutoDim timer of day dimming		
BTS_F Bluetooth Programmable, PR Occupancy/Daylight Sensor, 302' max, up to 12' mounting height*		
BTSO_F Bluetooth Programmable, PR Occupancy/Daylight Sensor, 302' max, up to 12' mounting height*		

- Notes:**
- Not compatible with 80L configurations
 - Not compatible with 480V configurations
 - Mast arm voltage
 - Not available with a combination of 301/480 and flange
 - Mast arm voltage: 120V or 277V only
 - Order at least one SPC-30MCTE per project location to program and control the occupancy sensor
 - Replace * with "M" for up to 14' mounting height, "NAP" for 15-42' mounting height†
 - Replace * with "T" for up to 12' mounting height

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AIRO Micro Strike

AREA/SITE/ROAD LIGHTER

CONTROL ACCESSORIES (ORDERED SEPARATELY)

Catalog Number	Description
<input type="checkbox"/> SCP-Remote	Remote Control for SCPL option. Order at least one per project to program and control the occupancy sensor.
<input type="checkbox"/> SW5TB	SiteSync™ Software on USB
<input type="checkbox"/> SWTAB	SiteSync™ Windows Tablet
<input type="checkbox"/> SWR3	SiteSync™ Wireless Bridge Node
<input type="checkbox"/> SWBFC	SiteSync™ Field Commission Sense
<input type="checkbox"/> SW7PR	SiteSync™ on feature module via 7PR
<input type="checkbox"/> WIR-REM-L	wiSCAPE External Fixture Module
<input type="checkbox"/> NXPW-FRD-UNV	NX Wireless, Daylight Harvesting, BLE, 7 pin beaded lock

- Notes:**
- When ordering SiteSync on at least one of two interface options must be ordered per project
 - Available as a SiteSync remote option for houses with an existing 7-pin receptacle

ACCESSORIES (ORDERED SEPARATELY)

Catalog Number	Description
<input type="checkbox"/> ASL1-HSS-90-B-XXX*	House Side Shields Back 90 deg
<input type="checkbox"/> ASL1-HSS-90-F-XXX*	House Side Shields Front 90 deg
<input type="checkbox"/> ASL1-HSS-90-S-XXX*	House Side Shields Side 90 deg
<input type="checkbox"/> ASL1-HSS-270-BSS-XXX*	House Side Shields Front, Side & Back 270 deg
<input type="checkbox"/> ASL1-HSS-270-FSS-XXX*	House Side Shields Front, Side & Back 270 deg
<input type="checkbox"/> ASL1-HSS-270-FSB-XXX*	House Side Shields Front, Side & Back 270 deg
<input type="checkbox"/> ASL1-HSS-360-XXX*	House Side Shields 360 deg
<input type="checkbox"/> ASL1-HSS-90-B-XXX*	House Side Shields Back 90 deg
<input type="checkbox"/> ASL1-HSS-90-F-XXX*	House Side Shields Front 90 deg
<input type="checkbox"/> ASL1-HSS-90-S-XXX*	House Side Shields Side 90 deg
<input type="checkbox"/> ASL1-HSS-270-FSS-XXX*	House Side Shields Front, Side & Back 270 deg
<input type="checkbox"/> ASL1-HSS-270-FSS-XXX*	House Side Shields Front, Side & Back 270 deg
<input type="checkbox"/> ASL1-HSS-360-XXX*	House Side Shields 360 deg
<input type="checkbox"/> ASL-MAF	Mast arm kit with width shield for mounting on 2-3/8" OD arms
<input type="checkbox"/> SETA2-XXX†	Square pole tenon adapter at 90 degrees (2-3/8" OD tenon), requires CL15-RPM-ACC-XXX for each luminaire
<input type="checkbox"/> RARRBC90L	Backlight Control 90L
<input type="checkbox"/> RARRBC90L	Backlight Control 90L
<input type="checkbox"/> RARRBC90L	Backlight Control 90L
<input type="checkbox"/> RARRBC48L	Backlight Control 48L
<input type="checkbox"/> CL15-RPM-ACC-XXX†	Round Pole Adapter - (tenon pole diameter: 2-3/8" - 3-1/4" - 3-7/8" - 4")
<input type="checkbox"/> ASL-ARM-FIT-XXX†	Arm mounting kit for pole of pole attachment
<input type="checkbox"/> WR-AREA-XXX†	Wall bracket. Compatible with standard arm-mount option
<input type="checkbox"/> WR-AREA-XXX†	Wall bracket. Compatible with standard arm-mount option
<input type="checkbox"/> ASL-MAF	Mast arm kit with width shield for mounting on 2-3/8" OD arms

- * Replace XXX or XXX with color code, e.g. DB for Dark Bronze or BLT for Black Matte Textured

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Widefield Parks and Recreation Facility Expansion
 755 Aspen Drive, Colorado Springs, CO 80911

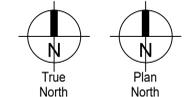
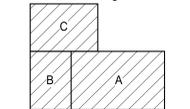
Widefield School District 3
 1620 Main Street Colorado Springs, CO 80911



SITE DEVELOPMENT PLAN

Drawn: _____ DGK
 Checked: _____ JTV
 Issued: 24 February 2022
 Revised: C PLANNING REVISIONS 15 April 2022

Area Key Plan



ELECTRICAL SITE DEVELOPMENT PLAN CUT SHEETS

E1.2S

Project No. 21-004
 The LKA Partners Incorporated