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Colorado Springs, CO 80910
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www.elpasoco.com

**EL PASO COUNTY PLANNING AND
COMMUNITY DEVELOPMENT
DEPARTMENT**

LIGHTING PLAN CHECKLIST

Revised: January 2022

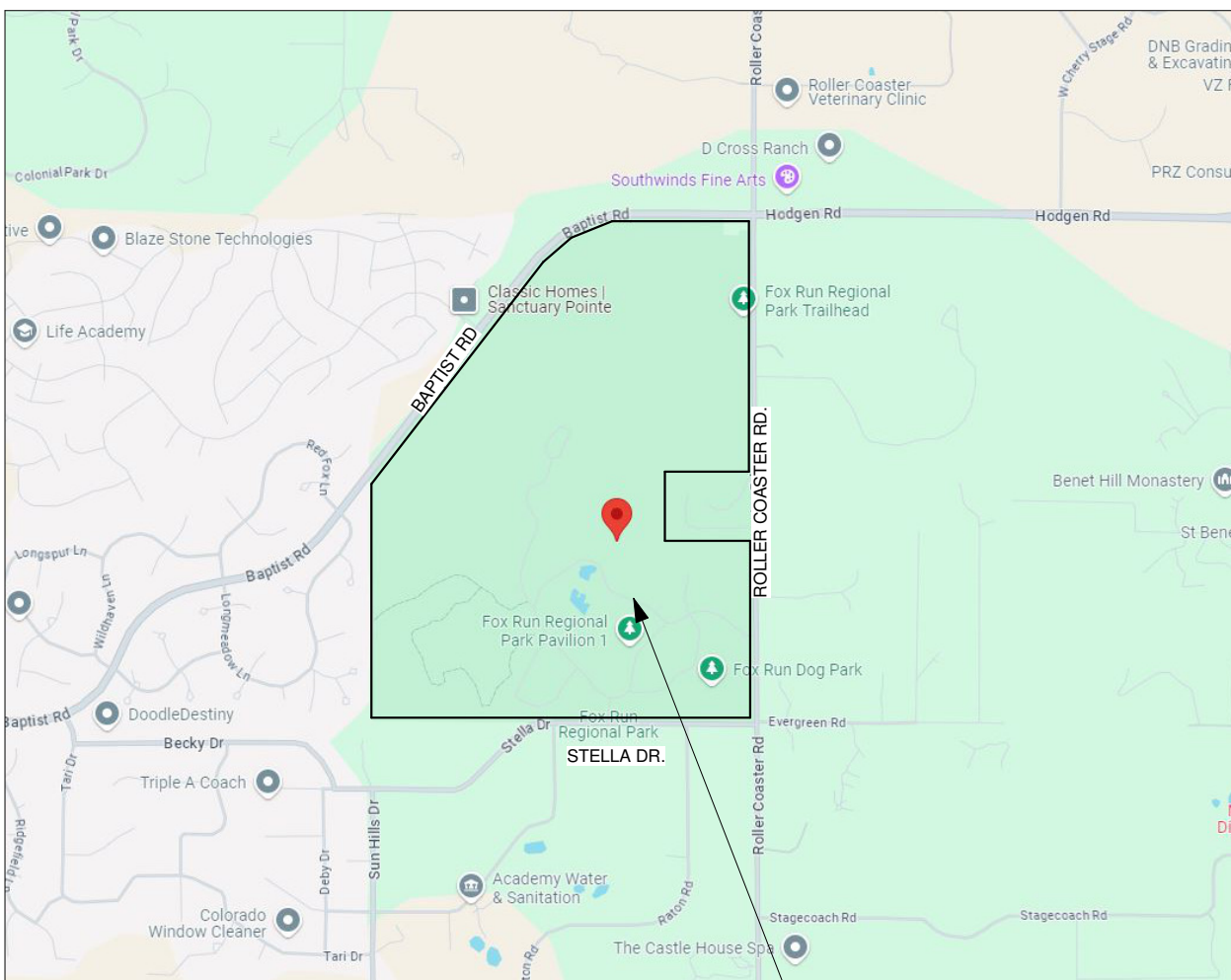
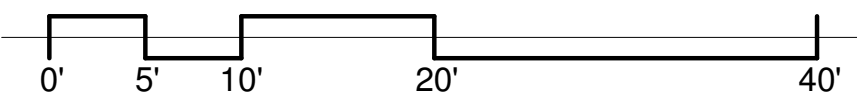
Lighting Plan		Applicant	PCD
The purpose of the lighting plan is to address the physical effects of lighting and the effects lighting may have on the surrounding neighborhood and public rights-of-way. The lighting plan shall meet the standards of Chapter 6 of the Land Development Code.			
The PCD Director may modify the applicable requirements, including requiring additional items or removing items, based upon the project and site-specific circumstances.			
NOTE: Please confirm each item below has been included by placing a check mark in the "Applicant" column. See right for an example. The "PCD" column is for office use only.		✓	Office use only
1	Owner name, contact telephone number, and email	X	
2	Applicant name (if not owner), contact telephone number, and email	X	
3	Plan preparer contact telephone number and email	X	
4	Property address	X	
5	Date, north arrow, and a graphic scale	X	
6	Vicinity map showing the property in relation to major roadways, if not otherwise provided with the associated site plan	X	
7	The building footprint for all structures depicted and labeled.	X	
8	The location and height of all existing and proposed illuminating devices, including but not limited to, all parking area lights and external structural lights.	X	
9	Detailed description of illuminating devices, fixtures, lamps, supports, reflectors, installation, and electrical details and other devices to include an elevation drawing. The description may include, but is not limited to, manufacturers specifications and catalog cuts sheets, and drawings. A key and legend may be required at the discretion of the PCD.	X	
10	Photometric data and plan, including maps and diagrams furnished by manufacturers or similar showing the angle of the cut off or light emission.	X	
11	Photometric plan depicting the lighting levels (foot candles) throughout the property, at property lines, and along any adjacent rights-of-way.	X	
12	Location of all existing and proposed easements		
13	Any other additional items as required by the PCD Director:		

FOX RUN NATURE CENTER
FOX RUN REGIONAL PARK, EL PASO COUNTY, COLORADO



PARK MAP

SCALE: NTS



VICINITY MAP

SCALE: NTS



PROJECT DATA

OWNER:
EL PASO COUNTY
200 S CASCADE AVE STE 150
COLORADO SPRINGS CO, 80903
719-520-7529
JASON MEYER
TODD MARTS

APPLICANT:
BASELINE CORPORATION
1046 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
719 531-6200
STEVE BAGGS

PROJECT ADDRESS:
2110 STELLA DR.
COLORADO SPRINGS, COLORADO
809021

TAX SCHEDULE NUMBER:
6100000297

LEGAL DESCRIPTION:
NW4 & SW4, EX NE4SW4 OF SEC 28-11-66 E2SE4, S2SE4NE4, THAT PART OF N2SE4NE4 OF SEC 29 LY
SELY OF A STRAIGHT LN CONNECTING SW4 AND NE COR OF SD N2 SEC 29-11-66

LOT SIZE:
398.5 ACRES

ZONING:
RR-5

PROJECT DESCRIPTION:
NEW SINGLE STORY, TWO BUILDING NATURE CENTER WITH A VIEWING TOWER AND CANOPY WALK.
THE NON-COMBUSTIBLE CONSTRUCTION BUILDING WITH A MULTI-PURPOSE ROOM, EXHIBIT SPACE,
OUTDOOR DECK, OFFICES, STORAGE AND RESTROOMS

TOTAL BUILDING AREA:
8,245 SQFT WITH A 4,565 SQFT OUTDOOR PATIO

NUMBER OF LEVELS:
1 STORY WITH CANOPY WALK AND VIEWING PLATFORM

BUILDING HEIGHT:
75'-0"

PARKING CALCULATIONS:
PARKING SPACES 39 SPACES
ACCESSIBLE PARKING SPACES 2 SPACES
TOTAL SPACES 41 SPACES

BUS PARKING 3 SPACES

PROJECT TEAM

OWNER:

El Paso County
200 S Cascade Ave Ste 150
Colorado Springs CO, 80903
719-520-7529
Jason Meyer
Todd Marts

STRUCTURAL ENGINEER:

RMG Engineers
2910 Austin Bluffs Parkway
Colorado Springs, CO 80918
719 548-0600
Mike Thompson

ARCHITECT:

TDG Architecture
201 E. Las Animas Street, Ste. 113
Colorado Springs, CO 80903
719-623-5641
Sharon Allen
Mark Tremmel

GREEN INITIATIVES, MECHANICAL,
ELECTRICAL, ENGINEER:

PCD Engineering, Inc.
4303 E. Brighton Boulevard, Suite #3
Denver, CO 80216
303 733-3078
Jacob Goodman, LEEDap, BEMP
Alex Pontasch
Walter Shoup

LANDSCAPE ARCHITECT:

Tapis Associates
540 Buckeye, Terrace Level
Colorado Springs, CO 80919
719 593-1540
Priscilla Marbaker

GEOTECHNICAL ENGINEERING:

RMG Engineers
2910 Austin Bluffs Parkway
Colorado Springs, CO 80918
719 548-0600
Kelli Zigler, PE

EXHIBIT DESIGNER:

Studio Tectonic
400 Marine Street, Carriage House
Boulder, CO 80302
720 398-3030
Seth Frankel
Zach Mosely

TRAFFIC ENGINEER:

SM Rocha, LLC
8703 Yates Drive, Suite 210
Westminster, CO 80031
719 203-6639
Mike Rocha, TOPS, TSOS
Brandon Wilson

CIVIL ENGINEER:

Baseline Engineering Corporation
112 N. Rubey Drive, #210
Golden, CO 80403
303 940-9966
Steven G. Baggs, PE
Alan Lunsford

COST ESTIMATOR:

Colarelli Construction
111 S. Tejon St., Suite 112
Colorado Springs, CO 80903
719 475-7997
Mike Senger

NOTE:
THE OWNER AGREES ON BEHALF OF HIM/HERSELF AND ANY DEVELOPER
OR BUILDING SUCCESSORS AND ASSIGNEES THAT SUBDIVIDER AND/OR
SUCCESSORS AND ASSIGNEES SHALL BE REQUIRED TO PAY TRAFFIC
IMPACT FEES IN ACCORDANCE WITH THE EL PASO COUNTY ROAD IMPACT
FEE PROGRAM RESOLUTION (RESOLUTION NO. 19-471), OR ANY
AMENDMENTS THERETO, AT OR PRIOR TO THE TIME OF BUILDING PERMIT
SUBMITTALS. THE FEE OBLIGATION, IF NOT PAID AT FINAL PLAT
RECORDING, SHALL BE DOCUMENTED ON ALL SALES DOCUMENTS AND ON
PLAT NOTES TO ENSURE THAT A TITLE SEARCH WOULD FIND THE FEE
OBLIGATION BEFORE SALE OF THE PROPERTY.

REVISIONS		
DATE	FOR	

NOT FOR
CONSTRUCTION

TDG Architecture

201 East Las Animas, Suite 113
Colorado Springs, CO 80903
719-623-5641 (Phone)
719-623-5643 (Fax)

FOX RUN NATURE CENTER

Fox Run Regional Park
2110 Stella Drive
Colorado Springs, CO 80921

DEVELOPMENT
PLAN - COVER
SHEET

DATE: 10/24/24

DRAWN BY: tdg

CHECKED BY: TDG

PROJECT NO.: 22164

SHEET:

DP-CS

1 OF XX

1 OF 6

1. ALL LIGHTING CONTROLS, FINISHES, ADDITIONAL OPTIONS, AND MOUNTING TYPES TO BE CONFIRMED/SELECTED BY ARCHITECT AND ENGINEER DESIGNING BUILDING ELECTRICAL SYSTEM.



LIGHT POLE DETAIL – STANDARE BASE
SCALE: NONE



LIGHT POLE DETAIL – 3FT BELOW GRADE
SCALE: NONE



LIGHT POLE DETAIL – 4FT BELOW GRADE
SCALE: NONE



LIGHT POLE DETAIL – 2FT ABOVE GRADE
SCALE: NONE



LIGHT POLE DETAIL – 4FT ABOVE GRADE
SCALE: NONE

NOT FOR
CONSTRUCTION

TDG Architecture

201 East Las Animas, Suite 113
Colorado Springs, CO 80903
719.623.5641 (Phone)
719.623.5643 (Fax)

Bowman

323 3RD AVENUE, #100
LONGMONT, CO 80501
TEL: 1.303.678.1108
BOWMAN.COM

Fox Run Nature Center

Fox Run Regional Park
2110 Stella Drive
Colorado Springs, CO 80906

PHOTOMETRIC
SITE PLAN - POLE
BASE DETAILS

DATE: 10/21/24
DRAWN BY: CW/AP
CHECKED BY: AP/WN
PROJECT NO.: 230326

SHEET:
ES-3
3 OF 6

TYPE: A

FEATURES & SPECIFICATIONS

INTENDED USE: – Typical applications include corridors, lobbies, conference rooms and private offices.
CONSTRUCTION: – Galvanized steel mounting brackets provide extra galvanized metal junction box with hangers, chain covers and spring lugs. Reflectors are extruded aluminum spacers.

Vertically adjustable mounting brackets with commercial bar hangers provide a 3°-36° total adjustment.
Hole spacings: 11” 36” and 16” and 16” 1/2 footcandle for single through conduct sets. Capacity 8 ft Hx 4 ft, 8x, 12 ft Hx 6W conductor, rated for 90°C.

Auxiliary: 120V 200V ballast wiring
Passive cooling thermal management for 25°C standard; high ambient 140°F option available. Light engine and driver are air-cooled by convectional fanless design.

Max cable thickness 1.5”.

OPTICS: – LED array bonded to a 5-step Modikon Ellipse, 80° minimum, 90° optional.

LED light source connected with diffusing optical lens.

General Illumination lighting with 1.5 SMD/ft and 1.5 SMD/ft to source and space image.

Self-Ranging standard reflector to specify, series specific or master effect finish. Also available in white and black painted reflectors.

AA - OPTICAL LUMINAIRE: – This luminaire has a double canopy which has been designed and tested to provide consistent color appearance and out-of-the-box capability compatibility with simple construction when used with Acuity Brackets’ products. All configurations of this luminaire are calibrated and tested to meet the Acuity Brands’ specifications for chromatic consistency – including color rendering, color stability and color temperature tolerance around standard CIE chromaticity coordinates. To learn more about AA standards, specifications, and testing visit www.aacolor.com/resources.

DGR: – LED arrays for fixtures installed end-to-end with a cut-off equal to less than 66deg per IES TR-1996/Denmark fixture is limited lighting.

ELECTRICAL: – Multi-wire 120-277V, 50/60Hz to 10V dimming drivers mounted to junction box, 10% or 1% maximum dimming level available.

6-Watt dimming feature requires two (2) additional low-voltage wires to be pulled.

Lumen Maintenance Factor: – 50% lumen maintenance at 60,000 hours = 176,000 hours

LISTINGS: – Certified UL ETL and Canadian safety standards. Not location standard (overhead ceiling), IP54 rated. Drivers are RoHS compliant

QUALIFICATION REQUIREMENT: – BAA – Product with the BAA option qualifies as a domestic product under the Buy American Act if implemented in the F&B and DBAs. Product with the BAA option also qualifies as manufactured in the United States under 1917 and 1918.

BABA – Built America Buy America (Patriot) – Product with the BABA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.baa-usa.com/baa-usa-certification for the additional information.

WARRANTY: – 3 year limited warranty. This is the only warranty provided and no other statements or conditions specifications shall create any warranty of any kind. All other express or implied warranties are disclaimed. Complete warranty terms located at: www.lithonialighting.com/warranty and www.lithonia.com/termsandconditions

Notes: Actual performance may differ as a result of field installation and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

PERFORMANCE DATA

LEDS 300K AA LSS DICH1			
Nominal Lumens	Lumens	Wattage	Le/W
500	520	5.8	90.5
750	758.1	8.9	85.1
1000	958.1	10.4	91.9
1500	1458.1	15.5	94.4
2000	2008	22.5	89.1
2500	2504	28.3	88.6
3000	3001	34.8	86.9
4000	4003	44.1	90.6
5000	4975	52.7	96.3

Notes

- * Tested in accordance with EN50418 NEN 79-08.
- ** Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CR 70 typical.

Leading
Manufacturer

Notes

Type

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LDN6 STATIC WHITE

6" Open and Wallwash LED
Non-IC New Construction Downlight

TYPE: A

LDN6

ORDERING INFORMATION

Lead times vary depending on option selected. Consult with sales rep for representation.

Example: LDN6 35/15 100 40 18 LS MVL1 E702

LDN6	Series	Color temperature	Lumens	Trim Style	Trim Color	Trim Finish	Flange Color	Voltage
6000	6" round	27° 2700K	65 500 lumens	LD6 Downlight	BR	Clear	LS5 Specular	120V
4000	6" round	35° 3000K	67 700 lumens	LD6 Flushback	WH L	White	LS4 Matte/flat	120V
		25° 2700K			BR	Clear	FLSC	Flush mounted fixture only
		35° 3000K			WH L	White	FLSC	Flush mounted fixture only
		50° 5000K				Custom painted trim	FLSC	Flush mounted fixture only
			20 2000 lumens		TRALTRD	Matte painted trim		
			30 3000 lumens					
			40 4000 lumens					
			50 5000 lumens					

Driver	Beam	Beam Angle	Beam Diameter @ 10'	Beam Diameter @ 20'	Beam Diameter @ 30'	Beam Diameter @ 40'	Beam Diameter @ 50'	Beam Diameter @ 60'	Beam Diameter @ 70'	Beam Diameter @ 80'	Beam Diameter @ 90'	Beam Diameter @ 100'	Beam Diameter @ 110'	Beam Diameter @ 120'	Beam Diameter @ 130'	Beam Diameter @ 140'	Beam Diameter @ 150'	Beam Diameter @ 160'	Beam Diameter @ 170'	Beam Diameter @ 180'	Beam Diameter @ 190'	Beam Diameter @ 200'	Beam Diameter @ 210'	Beam Diameter @ 220'	Beam Diameter @ 230'	Beam Diameter @ 240'	Beam Diameter @ 250'	Beam Diameter @ 260'	Beam Diameter @ 270'	Beam Diameter @ 280'	Beam Diameter @ 290'	Beam Diameter @ 300'	Beam Diameter @ 310'	Beam Diameter @ 320'	Beam Diameter @ 330'	Beam Diameter @ 340'	Beam Diameter @ 350'	Beam Diameter @ 360'	Beam Diameter @ 370'	Beam Diameter @ 380'	Beam Diameter @ 390'	Beam Diameter @ 400'	Beam Diameter @ 410'	Beam Diameter @ 420'	Beam Diameter @ 430'	Beam Diameter @ 440'	Beam Diameter @ 450'	Beam Diameter @ 460'	Beam Diameter @ 470'	Beam Diameter @ 480'	Beam Diameter @ 490'	Beam Diameter @ 500'	Beam Diameter @ 510'	Beam Diameter @ 520'	Beam Diameter @ 530'	Beam Diameter @ 540'	Beam Diameter @ 550'	Beam Diameter @ 560'	Beam Diameter @ 570'	Beam Diameter @ 580'	Beam Diameter @ 590'	Beam Diameter @ 600'	Beam Diameter @ 610'	Beam Diameter @ 620'	Beam Diameter @ 630'	Beam Diameter @ 640'	Beam Diameter @ 650'	Beam Diameter @ 660'	Beam Diameter @ 670'	Beam Diameter @ 680'	Beam Diameter @ 690'	Beam Diameter @ 700'	Beam Diameter @ 710'	Beam Diameter @ 720'	Beam Diameter @ 730'	Beam Diameter @ 740'	Beam Diameter @ 750'	Beam Diameter @ 760'	Beam Diameter @ 770'	Beam Diameter @ 780'	Beam Diameter @ 790'	Beam Diameter @ 800'	Beam Diameter @ 810'	Beam Diameter @ 820'	Beam Diameter @ 830'	Beam Diameter @ 840'	Beam Diameter @ 850'	Beam Diameter @ 860'	Beam Diameter @ 870'	Beam Diameter @ 880'	Beam Diameter @ 890'	Beam Diameter @ 900'	Beam Diameter @ 910'	Beam Diameter @ 920'	Beam Diameter @ 930'	Beam Diameter @ 940'	Beam Diameter @ 950'	Beam Diameter @ 960'	Beam Diameter @ 970'	Beam Diameter @ 980'	Beam Diameter @ 990'	Beam Diameter @ 1000'	Beam Diameter @ 1010'	Beam Diameter @ 1020'	Beam Diameter @ 1030'	Beam Diameter @ 1040'	Beam Diameter @ 1050'	Beam Diameter @ 1060'	Beam Diameter @ 1070'	Beam Diameter @ 1080'	Beam Diameter @ 1090'	Beam Diameter @ 1100'	Beam Diameter @ 1110'	Beam Diameter @ 1120'	Beam Diameter @ 1130'	Beam Diameter @ 1140'	Beam Diameter @ 1150'	Beam Diameter @ 1160'	Beam Diameter @ 1170'	Beam Diameter @ 1180'	Beam Diameter @ 1190'	Beam Diameter @ 1200'	Beam Diameter @ 1210'	Beam Diameter @ 1220'	Beam Diameter @ 1230'	Beam Diameter @ 1240'	Beam Diameter @ 1250'	Beam Diameter @ 1260'	Beam Diameter @ 1270'	Beam Diameter @ 1280'	Beam Diameter @ 1290'	Beam Diameter @ 1300'	Beam Diameter @ 1310'	Beam Diameter @ 1320'	Beam Diameter @ 1330'	Beam Diameter @ 1340'	Beam Diameter @ 1350'	Beam Diameter @ 1360'	Beam Diameter @ 1370'	Beam Diameter @ 1380'	Beam Diameter @ 1390'	Beam Diameter @ 1400'	Beam Diameter @ 1410'	Beam Diameter @ 1420'	Beam Diameter @ 1430'	Beam Diameter @ 1440'	Beam Diameter @ 1450'	Beam Diameter @ 1460'	Beam Diameter @ 1470'	Beam Diameter @ 1480'	Beam Diameter @ 1490'	Beam Diameter @ 1500'	Beam Diameter @ 1510'	Beam Diameter @ 1520'	Beam Diameter @ 1530'	Beam Diameter @ 1540'	Beam Diameter @ 1550'	Beam Diameter @ 1560'	Beam Diameter @ 1570'	Beam Diameter @ 1580'	Beam Diameter @ 1590'	Beam Diameter @ 1600'	Beam Diameter @ 1610'	Beam Diameter @ 1620'	Beam Diameter @ 1630'	Beam Diameter @ 1640'	Beam Diameter @ 1650'	Beam Diameter @ 1660'	Beam Diameter @ 1670'	Beam Diameter @ 1680'	Beam Diameter @ 1690'	Beam Diameter @ 1700'	Beam Diameter @ 1710'	Beam Diameter @ 1720'	Beam Diameter @ 1730'	Beam Diameter @ 1740'	Beam Diameter @ 1750'	Beam Diameter @ 1760'	Beam Diameter @ 1770'	Beam Diameter @ 1780'	Beam Diameter @ 1790'	Beam Diameter @ 1800'	Beam Diameter @ 1810'	Beam Diameter @ 1820'	Beam Diameter @ 1830'	Beam Diameter @ 1840'	Beam Diameter @ 1850'	Beam Diameter @ 1860'	Beam Diameter @ 1870'	Beam Diameter @ 1880'	Beam Diameter @ 1890'	Beam Diameter @ 1900'	Beam Diameter @ 1910'	Beam Diameter @ 1920'	Beam Diameter @ 1930'	Beam Diameter @ 1940'	Beam Diameter @ 1950'	Beam Diameter @ 1960'	Beam Diameter @ 1970'	Beam Diameter @ 1980'	Beam Diameter @ 1990'	Beam Diameter @ 2000'	Beam Diameter @ 2010'	Beam Diameter @ 2020'	Beam Diameter @ 2030'	Beam Diameter @ 2040'	Beam Diameter @ 2050'	Beam Diameter @ 2060'	Beam Diameter @ 2070'	Beam Diameter @ 2080'	Beam Diameter @ 2090'	Beam Diameter @ 2100'	Beam Diameter @ 2110'	Beam Diameter @ 2120'	Beam Diameter @ 2130'	Beam Diameter @ 2140'	Beam Diameter @ 2150'	Beam Diameter @ 2160'	Beam Diameter @ 2170'	Beam Diameter @ 2180'	Beam Diameter @ 2190'	Beam Diameter @ 2200'	Beam Diameter @ 2210'	Beam Diameter @ 2220'	Beam Diameter @ 2230'	Beam Diameter @ 2240'	Beam Diameter @ 2250'	Beam Diameter @ 2260'	Beam Diameter @ 2270'	Beam Diameter @ 2280'	Beam Diameter @ 2290'	Beam Diameter @ 2300'	Beam Diameter @ 2310'	Beam Diameter @ 2320'	Beam Diameter @ 2330'	Beam Diameter @ 2340'	Beam Diameter @ 2350'	Beam Diameter @ 2360'	Beam Diameter @ 2370'	Beam Diameter @ 2380'	Beam Diameter @ 2390'	Beam Diameter @ 2400'	Beam Diameter @ 2410'	Beam Diameter @ 2420'	Beam Diameter @ 2430'	Beam Diameter @ 2440'	Beam Diameter @ 2450'	Beam Diameter @ 2460'	Beam Diameter @ 2
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[illegible]

TYPE: A

LDN6

* All dimensions are inches (centimeters) unless otherwise noted.

LDN6 5000-3000 Lumens

Aperture: Ø 4.10\" (10.5)
 Ceiling Cutout: Ø 5.10\" (12.8) Self-flanged
 Overlap Trim: Ø 7.10\" (18.1)

LDN6 4000-5000 Lumens

Heated Housing: 5.4\" x 2.4\" x 1.0\"
 Aperture: Ø 4.10\" (10.5)
 Ceiling Cutout: Ø 5.10\" (12.8) Self-flanged
 Overlap Trim: Ø 7.10\" (18.1)

LDN6 CP

Aperture: 6.14\" (15.6)
 Ceiling Opening: 7.08\" (18.1)
 Overlap Trim: 7.12\" (18.1)

LDN6 EL

Heated Housing: 5.4\" x 2.4\" x 1.0\"
 Aperture: Ø 4.10\" (10.5)
 Ceiling Cutout: Ø 5.10\" (12.8) Self-flanged
 Overlap Trim: Ø 7.10\" (18.1)

LITHONIA LIGHTING

DOWNLIGHTING - One Lithonia Way Canyon, CA 90012 Phone: 800-755-5597 (7378) www.lithonia.com

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Rev. 10/0/2024

TYPE: G

LINO | SUSPENDED | SURFACE

PERFORMANCE

FEATURE	OUTPUT	OPTICS	NOMINAL	
			OUTPUT	INPUT WATTS
LIN3SP	LH1	HE Tech	1242 lm/Ti	12.5 W/Ti
	LH1	HE Tech	1028 lm/Ti	9.7 W/Ti
	LS	HE Tech	833 lm/Ti	4.8 W/Ti
LIN3WP	LH1	HE Tech	1300 lm/Ti	12.5 W/Ti
	LH1	HE Tech	1058 lm/Ti	9.4 W/Ti
	LS	HE Tech	847 lm/Ti	4.8 W/Ti

Based on optical widths 234-145 luminaire. For the complete photometric data of this luminaire refer to page 4.

DOWNLIGHT LENS OPTIONS

MULTIPLE CORNERS OPTIONS

LINO

Suspended - Surface

Combining clean line aesthetics with IP66 rated protection against the elements. Lino is a slim, linear luminaire that subtly integrates into exterior or interior environments.

- IP66 rating for protection against the elements
- Incredibly small profile
- No visible hardware for clean line aesthetics
- Adjustable mounting options for ease of installation
- IK10 rating for SP profile and IK08 for WP profile

DIMENSIONS

MOUNTING OPTIONS

a.light

* Not for harsh environment applications

TYPE: G

LINO | SPECIFICATION

PERFORMANCE AT 3500K

FIXTURE	OUTPUT	OPTICS	NOMINAL		
			LUMEN OUTPUT	INPUT WATTS	EFFICACY
UNISIP	LVR	HE Tech	1062 lm/Ti	12.5 W/Ti	101 lm/W
	LH	HE Tech	1028 lm/Ti	9.7 W/Ti	104 lm/W
	LS	HE Tech	833 lm/Ti	4.8 W/Ti	111 lm/W
UNISIP	LVR	HE Tech	1300 lm/Ti	12.5 W/Ti	104 lm/W
	LH	HE Tech	1058 lm/Ti	9.6 W/Ti	112 lm/W
	LS	HE Tech	847 lm/Ti	4.8 W/Ti	114 lm/W

For the complete photometric data of this fixture see page 6.

PROJECT INFORMATION

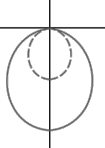
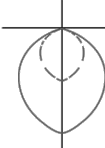

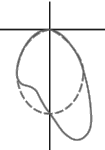
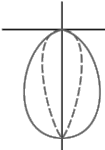
Project info	Date
Type	Quantity

Need help? Don't see what you need?

Please reach out to our talented Design team for any specific questions or questions you may have: design@alight.com

LIN

LIN										
SERIES	FIXTURE TYPE	FIXTURE SIZE	LENGTH OR PATTERN	OUTPUT	LED CCT	CRI	VOLTAGE			
LIN	1' Indirect 3 Direct	SP 3" X 2" WP 3" X 3"	Nominal Length 1' Beam Length 1' FL "L" shape 1' FL "T" shape 1' FL "x" shape 1' FL "U" shape 1' CF Custom pattern 1'	LVR Very High Output LH High Output LS Standard Output C Custom Output 1'	27 2700K 30 3000K 35 3500K 40 4000K	80+ CRI 95+ CRI	U 120-277V 3 347V			
<p>Specific to this is the nearest 1/8" in. If the nearest 1/8" is not available, the nearest 1/4" is used. The nearest 1/4" is used if the nearest 1/8" is not available. The nearest 1/2" is used if the nearest 1/4" is not available. The nearest 1" is used if the nearest 1/2" is not available. The nearest 2" is used if the nearest 1" is not available. The nearest 4" is used if the nearest 2" is not available. The nearest 8" is used if the nearest 4" is not available. The nearest 16" is used if the nearest 8" is not available. The nearest 32" is used if the nearest 16" is not available. The nearest 64" is used if the nearest 32" is not available. The nearest 128" is used if the nearest 64" is not available. The nearest 256" is used if the nearest 128" is not available. The nearest 512" is used if the nearest 256" is not available. The nearest 1024" is used if the nearest 512" is not available. The nearest 2048" is used if the nearest 1024" is not available. The nearest 4096" is used if the nearest 2048" is not available. The nearest 8192" is used if the nearest 4096" is not available. The nearest 16384" is used if the nearest 8192" is not available. The nearest 32768" is used if the nearest 16384" is not available. The nearest 65536" is used if the nearest 32768" is not available. The nearest 131072" is used if the nearest 65536" is not available. The nearest 262144" is used if the nearest 131072" is not available. The nearest 524288" is used if the nearest 262144" is not available. The nearest 1048576" is used if the nearest 524288" is not available. The nearest 2097152" is used if the nearest 1048576" is not available. The nearest 4194304" is used if the nearest 2097152" is not available. The nearest 8388608" is used if the nearest 4194304" is not available. The nearest 16777216" is used if the nearest 8388608" is not available. The nearest 33554432" is used if the nearest 16777216" is not available. The nearest 67108864" is used if the nearest 33554432" is not available. The nearest 134217728" is used if the nearest 67108864" is not available. The nearest 268435456" is used if the nearest 134217728" is not available. The nearest 536870912" is used if the nearest 268435456" is not available. The nearest 1073741824" is used if the nearest 536870912" is not available. The nearest 2147483648" is used if the nearest 1073741824" is not available. The nearest 4294967296" is used if the nearest 2147483648" is not available. The nearest 8589934592" is used if the nearest 4294967296" is not available. The nearest 17179869184" is used if the nearest 8589934592" is not available. The nearest 34359738368" is used if the nearest 17179869184" is not available. The nearest 68719476736" is used if the nearest 34359738368" is not available. The nearest 137438953472" is used if the nearest 68719476736" is not available. The nearest 274877907344" is used if the nearest 137438953472" is not available. The nearest 549755814688" is used if the nearest 274877907344" is not available. The nearest 1099511629376" is used if the nearest 549755814688" is not available. The nearest 2199023258752" is used if the nearest 1099511629376" is not available. The nearest 4398046517504" is used if the nearest 2199023258752" is not available. The nearest 8796093035008" is used if the nearest 4398046517504" is not available. The nearest 17592186070016" is used if the nearest 8796093035008" is not available. The nearest 35184372140032" is used if the nearest 17592186070016" is not available. The nearest 70368744280064" is used if the nearest 35184372140032" is not available. The nearest 140737488560128" is used if the nearest 70368744280064" is not available. The nearest 281474977120256" is used if the nearest 140737488560128" is not available. The nearest 562949954240512" is used if the nearest 281474977120256" is not available. The nearest 1125899908481024" is used if the nearest 562949954240512" is not available. The nearest 2251799816962048" is used if the nearest 1125899908481024" is not available. The nearest 4503599633924096" is used if the nearest 2251799816962048" is not available. The nearest 9007199267848192" is used if the nearest 4503599633924096" is not available. The nearest 18014398535696384" is used if the nearest 9007199267848192" is not available. The nearest 36028797071392768" is used if the nearest 18014398535696384" is not available. The nearest 72057594142785536" is used if the nearest 36028797071392768" is not available. The nearest 144115188285571072" is used if the nearest 72057594142785536" is not available. The nearest 288230376571142144" is used if the nearest 144115188285571072" is not available. The nearest 576460753142284288" is used if the nearest 288230376571142144" is not available. The nearest 1152921506284568576" is used if the nearest 576460753142284288" is not available. The nearest 2305843012569137152" is used if the nearest 1152921506284568576" is not available. The nearest 4611686025138274304" is used if the nearest 2305843012569137152" is not available. The nearest 9223372050276548608" is used if the nearest 4611686025138274304" is not available. The nearest 18446744100553097216" is used if the nearest 9223372050276548608" is not available. The nearest 36893488201106194432" is used if the nearest 18446744100553097216" is not available. The nearest 73786976402212388864" is used if the nearest 36893488201106194432" is not available. The nearest 147573952804424777728" is used if</p>										

LINO PHOTOMETRY			
PHOTOMETRIC DATA LINO WP			
<p>DIRECT HIT TECH</p> <p>LVH: 4FT- 3500K</p> <p>Lumens: 1300 lm/ft Input watts: 12.5 W/ft Efficacy: 104 lm/W</p> 	<p>DIRECT FLAT BLADE LOUVERS</p> <p>LVH: 4FT- 3500K- White finish</p> <p>Lumens: 969 lm/ft Input watts: 12.5 W/ft Efficacy: 79 lm/W</p> 	<p>DIRECT BATHWING</p> <p>LVH: 4FT- 3500K</p> <p>Lumens: 1016 lm/ft Input watts: 12.5 W/ft Efficacy: 81 lm/W</p> 	
<p>DIRECT ASYMMETRIC</p> <p>LVH: 4FT- 3500K</p> <p>Lumens: 1016 lm/ft Input watts: 12.5 W/ft Efficacy: 81 lm/W</p> 	<p>DIRECT WALL GRAZER</p> <p>LVH: 4FT- 3500K</p> <p>Lumens: 1102 lm/ft Input watts: 12.5 W/ft Efficacy: 88 lm/W</p> 		

TYPE: G

LINO | PHOTOMETRY

LIGHT LOSS FACTORS (LLF)

		LINO LP											
OUTPUT	CCT	LF RATIO		HE Tech		CRI 90 +		Rd Rodde Lower		DIRECT		Solving	
		CR-60	CR-90	CR-60	CR-90	CR-60	CR-90	CR-60	CR-90	CR-60	CR-90	CR-60	CR-90
LVH	4000K	102.1%	92.2%	1289	1158	1010	974	881	881	858	755	823	847
	5000K	100.0%	92.3%	1242	1102	954	918	825	825	801	700	763	787
	5700K	96.2%	92.4%	1214	1040	918	878	786	835	777	677	734	759
	6500K	92.1%	91.5%	1147	984	861	822	764	805	749	649	707	732
	7500K	85.0%	92.2%	1050	927	793	753	701	722	639	601	707	727
LVH	4000K	102.1%	92.2%	1028	897	774	734	641	641	708	615	768	684
	5000K	98.2%	92.4%	989	847	724	684	591	591	658	565	744	660
	5700K	92.8%	91.5%	917	803	679	639	547	547	615	523	674	590
	6500K	100.1%	92.2%	844	741	617	577	485	485	553	461	612	528
	7500K	100.0%	87.3%	521	443	367	327	245	245	315	223	304	264
LS	4000K	96.2%	92.4%	1013	881	758	718	625	625	692	600	753	669
	5000K	100.1%	92.3%	944	812	687	647	555	555	622	530	683	599
	5700K	96.2%	91.5%	878	746	629	589	497	497	565	473	626	542
	6500K	100.1%	87.3%	521	443	367	327	245	245	315	223	304	264
	7500K	96.2%	87.5%	479	414	337	297	215	215	285	193	274	234

TUNABLE WHITE | LIGHT LOSS FACTORS (LLF)

		LINO LP											
OUTPUT	CCT	LF RATIO		HE Tech		CRI 90 +		Rd Rodde Lower		DIRECT		Solving	
		CR-60	CR-90	CR-60	CR-90	CR-60	CR-90	CR-60	CR-90	CR-60	CR-90	CR-60	CR-90
LVH	5000K	100.0%	1262	1107	954	910	870	815	815	943	835	935	827
	5700K	92.4%	1181	1027	873	829	784	729	729	857	750	847	739
	6500K	92.4%	1028	873	779	735	690	635	635	763	656	753	645
	7500K	92.4%	899	767	672	628	583	528	528	656	549	646	538
	8500K	92.4%	822	690	595	551	506	451	451	579	472	569	461
LVH	5000K	100.0%	1300	1145	991	946	901	846	846	974	866	966	858
	5700K	92.4											

TYPE: SP3H, SP4H, SPFH

[illegible]

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

Illuminance plots for the CDD LED F7 40K 70CR. Distances are in units of mounting height (D).

LEGEND

0.1 fc
0.5 fc
1.0 fc

71K

75K

79K

83K

87K

91K

95K

99K

103K

107K

111K

115K

119K

123K

127K

131K

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CDD
Rev. 03/20
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Performance Data														
Lumen Ambient Temperature (LAT) Multipliers					Electrical Load									
Use these factors to determine luminaire output for average ambient temperature from 44°C (110°F) to 140°F					Current (A)									
Ambient	Lumen Factor (%)				Continuous Voltage (V)	LED Count	Per Luminaire (A)	Per Meter	120V	208V	240V	277V	347V	480V
44°C	100%	100%	1.04		P1	20	520	5.4	0.26	0.16	0.14	0.10	0.07	
57°C	47%	47%	1.04		P2	20	760	6.6	0.38	0.23	0.19	0.13	0.09	
71°C	30%	30%	1.04		P3	20	1000	6.9	0.57	0.33	0.29	0.21	0.14	
100°C	10%	10%	1.02		P4	20	1500	8.9	0.81	0.45	0.39	0.28	0.19	
127°C	68%	68%	1.01		P5	40	1400	5.4	0.76	0.45	0.39	0.34	0.27	0.19
140°C	77%	77%	1.00		P6	40	700	8.9	0.75	0.43	0.38	0.33	0.26	0.19
153°C	86%	86%	0.99		P6	40	1000	10.6	1.15	0.66	0.57	0.46	0.30	0.20
167°C	95%	95%	0.98		P7	40	1400	17.9	1.42	0.82	0.71	0.62	0.46	0.32
180°C	100%	100%	0.97		P10	30	500	51	0.44	0.24	0.21	0.18	0.15	0.11
					P11	30	700	47	0.57	0.33	0.28	0.25	0.20	0.14
					P12	30	1000	60	0.86	0.50	0.43	0.37	0.30	0.22
					P13	30	1500	13.9	1.07	0.64	0.54	0.46	0.37	0.27

Projected LED Lumen Maintenance			
Once adjusted for thermal performance projections for the algorithms noted in 20°C ambient, based on 10,000 hours of LED testing based per IESNA LM-79 and projected per IESNA LM-80, see 113.			
Operating Hours	Lumen Loss (%) Factor		
10,000	0.94		
50,000	0.89		
100,000	0.80		

FAO Dimming Settings			
FAO Setting	Dimming Range	Lumen Output	
1	100%	100%	
2	75%	75%	
3	50%	50%	
4	25%	25%	
5	0%	0%	
6	0%	0%	
7	0%	0%	
8	0%	0%	
9	0%	0%	
10	0%	0%	
11	0%	0%	
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60	0%	0%	</

TYPE: SP3H, SP4H, SPFH

Dimensions

SP3H with RPA, RPA5, SP4S, SP4H, SPFH mount
Weight: 25 lbs

SP3H with WBA mount
Weight: 27 lb

SP3H with HA mount
Weight: 28 lbs

SPA (STANDARD ARM)

RPA

SPA5

RPA5

SP4H

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DDO-LE
Rev. 03/2021
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TYPE: SP3H, SP4H, SPFH

Night Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR PIRHN

Top

Side

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Side reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-piece die cast aluminum housing has integral heat sink fins to optimize the thermal management through conduction and convective cooling. Modular design allows for easy maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to provide long operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP60). Vibration rated per ASTM C1363 for 3G, Low EMI and 60 Hz for optimized power-level loading.

FINISH

Exterior parts are protected by a zinc-influenced Super Durable TiGIC thermoplastic powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled powder process ensures a minimum 1.5 mil thickness for a finish that can withstand extreme climate change without cracking or peeling. Available in both textured and non-textured finishes.

COASTAL CONSTRUCTION (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of bare material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with no visible signs of 10. Additional lead times may apply.

OPTICS

Precision-molded polycarbonate lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K color temperatures. IGC® configurations are also available for use in high bay applications. Light engines are available in "Nighttime Friendly" product, meaning it is consistent with the LEED® and Green Globes® criteria for eliminating waste light at night.

ELECTRICAL

Power factor correction consists of high-efficiency LED's mounted to metal-core driver boards to maximize heat dissipation and promote long life up to LED 100,000 hours at 25°C. Class 1 electronic drivers are designed to have a power factor of 0.95. THD < 5% and an expected life of 100,000 hours with <1% failure rate. Easily accessible 10V surge protection device meets a minimum UL 1449 Low Voltage Protection Class 2, 600V and 1000V.

STANDARD CONTROLS

Standard controls include a number of control options. DGS SW, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA built-in photocell receptacle. PIR triggered motion control can be used on board photometrically adjustable programming and are suitable for mounting heights up to 40 feet. Control light features a bi-level device that allows a second control circuit to switch at light engine's low-level, 30% or 50%, light output.

NIGHT AIR CONTROLS

The D2X0 LED area luminaire is also available with nLight AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocell functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLARITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor override can be achieved when used with the Nightingale Edge™. Additional information about nLight AIR can be found here.

INSTALLATION

Integral mounting arms allow for fast mounting using Lihonda standard #8 drill and accommodate pole drilling from 2.41 to 3.12" on centers. The standard SP3H option for square poles and the "8000" option for round poles is the #8 drilling. For pipe drilling, use SP4H or SPFH, which allow poles to be installed using wall bracket (WSB) and mate arm (MA) option that allows luminaire attachment to a 2.38" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Lipo engines are IP65 rated, and luminaires are IP66 rated. Rated for 400° minimum ambient temperature. Design Lights Consortium (DLC) qualified product and DLC qualified power supply. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products list at www.designlights.org/dlc. To confirm which versions are qualified.

International Dark Sky Association (IDA) Fixture Seal of Approval (SFA) is available for all products on the page listing 3000K color temperature only.

GOVERNMENT PROCUREMENT

BAA - Buy American(s) Act: Product with the BAA option qualifies as a domestic end product under Buy American Act(s) as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy American regulations.

BAA - Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Where refer to www.acuitybrands.com/definitions for additional information.

5-year limited warranty. This is the only warranty provided and no other express or implied warranty, including a warranty of any kind, all other express and implied warranties are disclaimed. Complete warranty terms located at www.acuitybrands.com/warranty.

All Actual performance may differ as a result of end use environment and application. All values are direct or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

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Model: SP3H, SP4H, SPFH

2000
2000
Page 7

REVISIONS		
	DATE	FOR
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NOT FOR
CONSTRUCTION

TDG Architecture

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Bowman

323 3RD AVENUE, #100
LONGMONT, CO 80501
TEL.: 1.303.678.1108

Fox Run Nature Center

Fox Run Regional Park
2110 Stella Drive
Colorado Springs, CO 80904

PHOTOMETRIC
SITE PLAN -
CUTSHEETS

DATE: 10/21/24

DRAWN BY: CW/AF

CHECKED BY: AP/WM

PROJECT NO.: 230326

SHEET:

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