Schedule										
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	SA	7	Lithonia Lighting	(2) DSXO LED P4 AMBLW T5W SPA DDBXD / SSS 13.5' W/2.5' BASE	PATTWIN-HEAD DSX Area Luminaire Size 0 P4 Lumen Package Limited Wavelength Amber Type T5W Distribution	LED	DSXO_LED_P4_AMBLW_T5W.ies	3094	0.91	107
	SB	1	Lithonia Lighting	(2) DSXO LED P4 AMBLW T2M SPA DDBXD / 13.5' W/2.5' BASE	PATTWIN-HEAD @ 90? DSX Area Luminaire Size 0 P4 Lumen Package Limited Wavelength Amber Type T2M Distribution	LED	DSXO_LED_P4_AMBLW_T2M.ies	2993	0.91	107
	SC	5	Lithonia Lighting	DSXO LED P4 AMBLW TFTM SPA DDBXD / SSS 13.5' W/2.5' BASE	HDSX Area Luminaire Size 0 P4 Lumen Package Limited Wavelength Amber Type TFTM Distribution with Houseside Shield	LED	DSXO_LED_P4_AMBLW_TFTM___HS.ies	2313	0.91	53.5
	SD	9	Lithonia Lighting	DSXO LED P4 AMBLW T4M WBA H DDBXD	HDSX Wall Mount Luminaire Size 0 P4 Lumen Package Limited Wavelength Amber Type T4M Distribution with Houseside Shield	LED	DSXO_LED_P4_AMBLW_T4M___HS.ies	2252	0.91	53.5
	SF	3	Luminis	SY610--L1L15--RS5--(VOLTAGE) BZ K27 SL (FACTORY LOCKED DOWN LIGHT FOR FULL CUTOFF)	Syrios Round 6	LED	SY610--L1L15--RS5.ies	1701	0.91	15.3
	SG	9	Lithonia Lighting	DSXO LED P1 AMBLW T4M WBA H DDBXD	HDSX Area Luminaire Size 0 P1 Lumen Package Limited Wavelength Amber Type T4M Distribution with Houseside Shield	LED	DSXO_LED_P1_AMBLW_T4M___HS.ies	1244	0.91	28.5

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE – FC @ GRADE	+	0.6 fc	15.5 fc	0.0 fc	N/A	N/A

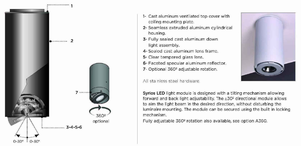
(FIXTURE SF)

LUMINIS.

SY610 SERIES
SYRIOS - LED
6" SURFACE CEILING DOWN LIGHT

TYPE:_____QUANTITY:_____PROJECT:_____

CATALOG NUMBER: FIXTURE | SUFFIX | REFLECTOR | VOLTAGE | FINISH | OPTION | OPTION | OPTION



1- Cast aluminum ventilated top cover with ceiling mounting posts
2- Seamless extruded aluminum cylindrical housing
3- Fully sealed cast aluminum door frame assembly
4- Sealed cast aluminum lens frame
5- Clear tempered glass lens
6- Faceted specular aluminum reflector.
7- Optional 360° adjustable rotation.

All stainless steel hardware.

Syrios LED light module is designed with a tilting mechanism allowing forward and back light adjustability. The ±30° directional module allows to aim the light beam in the desired direction, without disturbing the luminaire mounting. The module can be secured using the built in locking mechanism.

Fully adjustable 360° rotation also available, see option A360.

MATERIALS
Syrios LED is made of corrosion resistant 356 aluminum alloy with a copper content of less than 0.1%.
The main housing is made of seamless extruded aluminum, with an integrally sealed LED light source module designed for optimal heat dissipation, and lighting performances.
Syrios LED is standard with a unique proprietary design allowing the sealed LED module to be fully serviceable from below.
The top cast aluminum cover includes ventilation slots allowing air circulation and cooling of assembly.
Syrios LED SY610 series is standard with 309 optic. See options section for alternate selection.

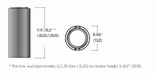
ELECTRICAL:
DRIVER: Standard driver is 0-10V dimmingready (down to 10%) with 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C/ -40°F to 50°C/122°F, output over temperature protection with auto-recovery, short circuit protection with auto-recovery.
LED: Standard 4000K /60CRI. Optional 2200K, 3000K & 5500K.
Optional Amber LED for turtle sensitive areas.
Wavelengths; 584.5nm to 597nm.

LIFE
60,000hrs L_{70} (based on IESNA TM-21 Test Method and LM-80 data).
Up to 70,000hrs L_{70} (calculated projection from LM-80 data).

FINISH
Five-stage preparation process including preheating of cast aluminum parts for oil extraction, and an environmentally friendly zinc rinse sealant. Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

MOUNTING
Maximum weight: 23lbs (10kg).
Mounts directly to standard outlet box 4" to 4" (102) octagonal electrical box using a 3.12" (80) O/C mounting holes.
Fixture must be installed on a finished ceiling for exterior applications and/or exposed to inclement weather.

CERTIFICATION
Tested to UL 1598 and CSA 22.2 #250. ETL listed wet location.
Rated IP65. CC Certification on request.



* Flat for mounting in models LCL/R (less 1.4.2.35) & trimpate height is 0.42" (10.6)

Luminaires may be altered for design improvement or discontinued without prior notice.

LUMINIS.COM

1

(FIXTURES SA–SD)

D-Series Size 0
Amber Series
LED Area Luminaire

Specifications
EPA: 0.95 ft² (.09 m²)
Length: 26" (660 mm)
Width: 13" (330 mm)
Height_1: 3" (76 mm)
Height_2: 7" (178 mm)
Weight: 16 lbs (7.3 kg)

Introduction
The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information EXAMPLE: DSX0 LED P4 AMBLW T2M MVOLT SPA DDBXD

DSX0 LED

Series	CCTs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	Forward optics: P1 P2 P3 P4 P5 Rotated optics: P10 P12 P30	AMBLW Limited Wavelength Amber*	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Type IV forward throw, full cutoff TSFTG Type IV very forward throw, full cutoff	TST Type V short* TSTM Type V medium* TSTW Type V wide* RCCO Right corner cutoff LCCO Left corner cutoff BLC Backlight control RCCO LR corner cutoff BLCCO Right corner cutoff	MVOLT** 120* 208* 240* 277* 347* 480* Shipped separately: XVOLT** (specify 277, 347 or 480)

Control options		Other options		Finish
Shipped installed: NLTAIR2 nLight AIR generation 2 enabled** PER5 5-pin receptacle only (no controls) PER NEMA twist-lock (no controls) (120-277V)** PIR 180° motion sensor, 8' mounting height, ambient sensor enabled** PIR1FC3V 180° motion sensor, 15' mounting height, ambient sensor enabled** PIRH 180° motion sensor, 30' mounting height, ambient sensor enabled** PIRHFC3V 180° motion sensor, 30' mounting height, ambient sensor enabled** Shipped separately: BSP Bird spike** DMG 0-10V dimming wires pulled out through back of housing for external control (comes standard on all fixtures)	PE Photocell, SSL twist-lock (120-277V)** PER7 7-pin receptacle only (no controls) PIR1 180° motion sensor, 15' mounting height, ambient sensor enabled** PIRH1FC3V 180° motion sensor, 15' mounting height, ambient sensor enabled** SF Single fuse (120V) SFD Double fuse (208-277V) VG Vandal guard	Shipped installed: HS Houseside shield* SC Sunset color* SVF Single fuse (120, 277, 347V)* DF Double fuse (208, 240, 480V)* L90 Left corner cutoff* R90 Right corner cutoff* DBL Diffused backlight* Shipped separately: BS Bird spikes** EGS External grounding lug**	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Lithonia Lighting. COMMERCIAL OUTDOOR
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Rev. 07/20/18
Page 1 of 3

CITY OF FLAGSTAFF LIGHTING ORDIANCE

TABLE 10-50.70.500.A

FIXTURE DESIGNATION	LAMP WATTAGE	LAMP PER FIXTURE	TOTAL LUMENS THIS TYPE
SA (7)	LED AMBER (107)	2	43316 LUMENS
SB (1)	LED AMBER (107)	2	5986 LUMENS
SC (5)	LED AMBER (53.5)	1	11565 LUMENS
SD (9)	LED AMBER (53.5)	1	20268 LUMENS
SF (3)	LED AMBER (15.3)	1	5103 LUMENS
SG (9)	LED AMBER (28.5)	1	11196 LUMENS
	309000	(YES)	97434 LUMENS
TOTAL LUMENS 97434	TOTAL LUMENS ALLOWED PER TABLE:	IN – COMPLIANCE: (YES)	

Maximum Permitted TOTAL Lumens

Zone 1: 25,000 lumens/acre **Zone 2:** 50,000 lumens/acre **Zone 3:** 100,000 lumens/acre

- Step 1: Maximum permitted lumens/acre for your Zone 100,000 x 6.64 site acres = _____ **maximum permitted lumens for the entire site (if using no LED or NSALED lights)**
- Step 2: Input results from Step 1 above 664000 ÷ 1.43 = 464336 **maximum permitted lumens for the entire site (if using only LED and/or NSALED lights)** LUMENS USED 97434
- Step 3: Input results from Step 1 above _____ - proposed non-LED/non-NSALED lumens _____ = _____ ÷ 1.43 = _____ + desired non-LED lumens _____ = _____ **maximum permitted lumens for the entire site (if using both LED/NSALED and other types of lights)**

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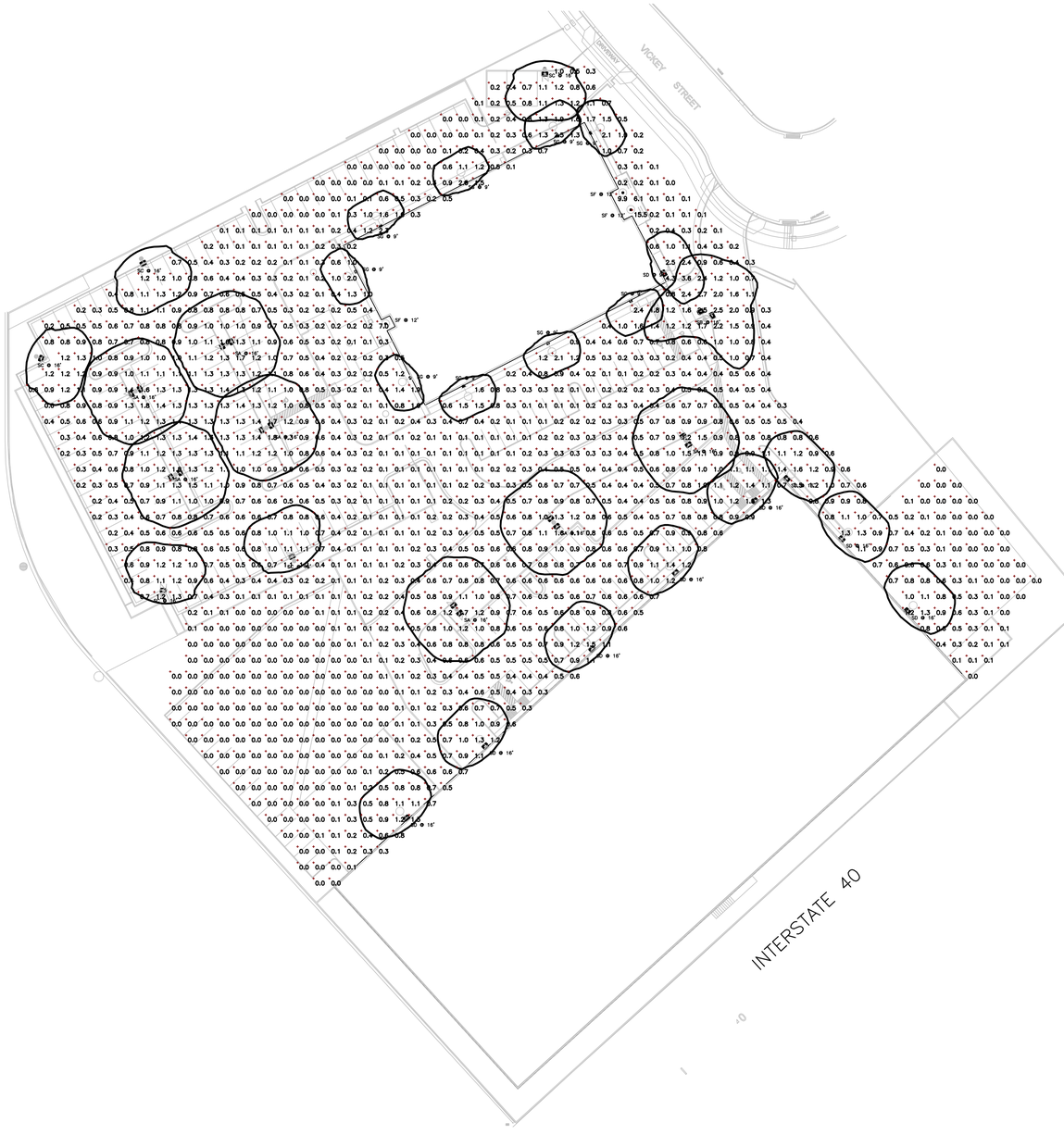

SITE PHOTO MECTICS
SCALE: 1"=40'

UNITED DESIGN
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CONSULTING ENGINEERS
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8313 N. 85TH PLACE
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E-MAIL: greeves100@gmail.com
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CELL: 602-329-0509
GEORGE G. REEVES III S.D.

Expires 3/31/21
RECORDED PROFESSIONAL ENGINEER (ELECTRICAL)
CERTIFICATE NO.
21621
ROBERT T. HAINES
DATE SIGNED 1/9/20
Robert T. Haines

Andy Pilgrim
7045 N 23RD WAY
PHOENIX, ARIZONA 85020
Phone: (602) 254-1500
ANDY152@AOL.COM

SITE PLAN LIGHTING & PM

DCS OFFICES & MYGRANT GLASS FACILITY

2163 N VICKEY STREET, FLAGSTAFF AZ 86004

REVISIONS
1 CITY COMMENTS 6-29-2020
2
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4
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DATE 02-14-2020
DRWN BY
CHKD BY RTH

JOB #
STK PLN

Sheet Number:
PM C

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