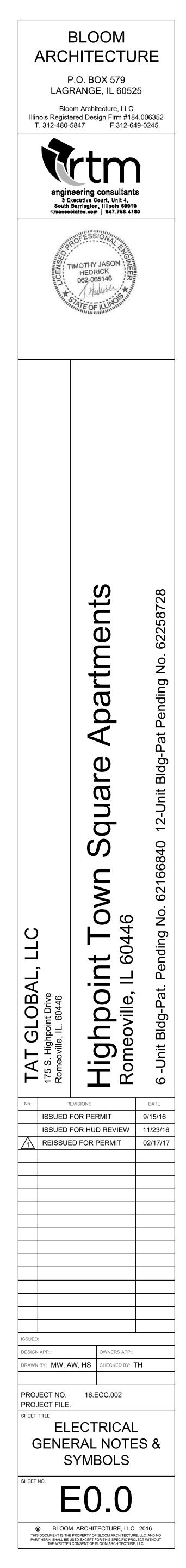
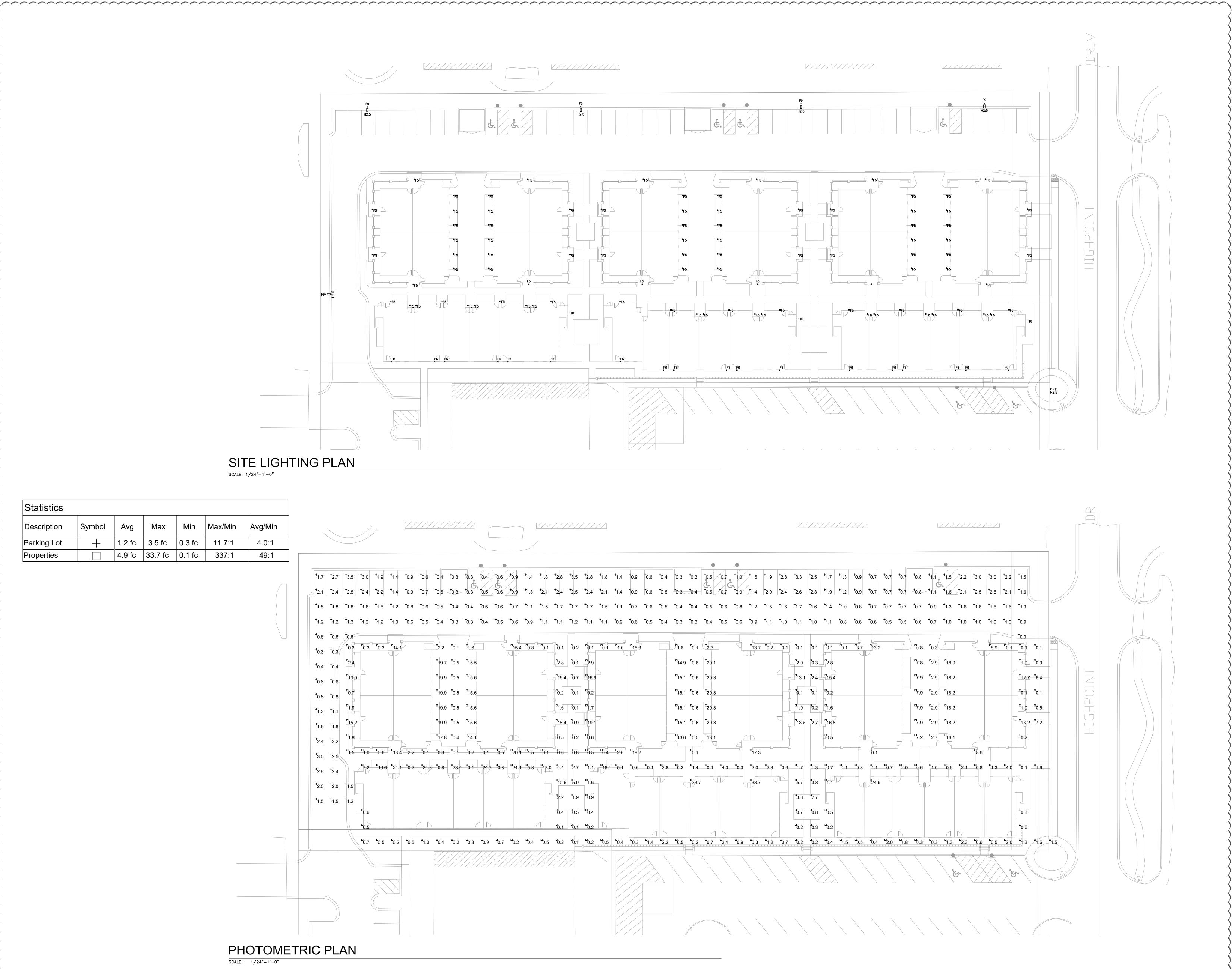
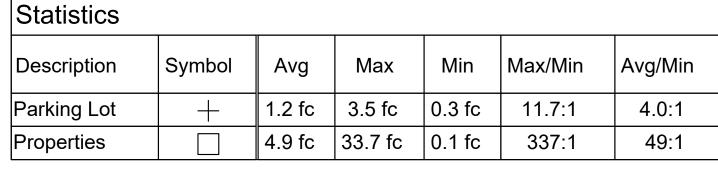
	GENERAL DEM	OL
1.	FIRE ALARM SHALL BE DESIGN—BUILD BY ELECTRICAL CONTRACTOR. DEVICES ARE SHOWN FOR REFERENCE ONLY. IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY ANY ADDITIONAL REQUIREMENTS WITH THE FIRE MARSHALL AS PART OF THE BASE BID.	
2.	THE FOLLOWING FIRE ALARM DRAWINGS ARE SCHEMATIC ONLY. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR BIDDING A COMPLETE & OPERATIONAL FIRE ALARM SYSTEM THAT MEETS LOCAL CODE. E.C. SHALL DEMO/DISCONNECT/RELOCATE ANY EXISTING DEVICES AS NECESSARY & PROVIDE NEW DEVICES AS REQUIRED TO MEET LOCAL MINIMUM REQUIREMENTS & NFPA FIRE CODE.	
3.	CONTRACTOR IS RESPONSIBLE FOR TESTING SYSTEM TO CREATE A UL-LISTED, CODE-COMPLIANT FIRE ALARM SYSTEM AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.	
4.	ALL FIRE ALARM PANELS SHALL BE AN APPROVED ADDRESSABLE TYPE.	
5.	A MAP INDICATING THE LOCATION OF ALL FIRE ALARM DEVICES SHALL BE POSTED DIRECTLY ADJACENT TO THE FIRE ALARM PANEL OR IN A LOCATION ACCEPTABLE TO THE FIRE PREVENTION BUREAU.	
6.	COORDINATE ALL WORK WITH LOCAL FIRE MARSHALL PRIOR TO BID.	
	GENERA	
1.	THIS INSTALLATION SHALL BE IN COMPLIANCE WITH THE 2011 NEC AND ALL APPLICABLE LOCAL CODES.	
2.	BEFORE COMMENCING WORK THE CONTRACTOR SHALL VISIT THE JOB SITE AND FULLY INFORM HIMSELF OF ALL CONDITIONS THAT AFFECT THE WORK, EXAMINE THE DRAWINGS AND SPECIFICATIONS, AND SUBMIT ANY QUESTIONS IN WRITING TO THE ENGINEER.	
3.	ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER DRAWINGS RELATED TO THE PERFORMANCE OF THE WORK.	
4.	THE CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THIS WORK SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS BEFORE COMMENCING ANY WORK. THE PROJECT SPECIFICATIONS AND DRAWINGS FORM THE BASIS OF THIS CONTRACT REQUIREMENTS AND INCLUDE THE TYPE AND GRADE OF MATERIALS TO BE INSTALLED, EQUIPMENT TO BE FURNISHED, THE MANNER BY WHICH TO BE INSTALLED AND WHERE TO BE LOCATED. IN THE EVENT OF A CONFLICT BETWEEN THE PROJECT SPECIFICATIONS AND DRAWINGS, SPECIFICATIONS GOVERN UNLESS THE ARCHITECT/ENGINEER DIRECTS OTHERWISE.	
5.	THE ELECTRICAL CONTRACTOR SHALL CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS THAT ARE PART OF THIS PROJECT TO ENSURE THAT NO FIXTURE, OUTLET, ALARM STATION OR CONTROL AND POWER WIRING IS OMITTED. HE SHALL CONSULT ALL TRADES FURNISHING EQUIPMENT AND OBTAIN FROM THEM ALL DATA. IN SOME CASES EQUIPMENT, FIXTURES AND DEVICES ARE SHOWN ONLY. ASCERTAIN AND PROVIDE THE WIRING AND CONTROL STATIONS REQUIRED FOR THE PROPER FUNCTION OF BUILDING EQUIPMENT. NO EXTRA CHARGES SHALL BE ACCEPTED BY OWNER AFTER BIDDING FOR SUCH EQUIPMENT AND LABOR.	
6.	EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT SHALL BE FOLLOWED TO INSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATIONS MUST BE CAREFULLY CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.	
7.	INSTALL ELECTRICAL DEVICES AS INDICATED IN THIS SET OF DRAWINGS. ADJUST FINAL DEVICE LOCATIONS AS REQUIRED TO ACCOMMODATE WORK. COORDINATE WITH ALL TRADES INVOLVED AND WITH ARCHITECTURAL CASEWORK AND ELEVATIONS DRAWINGS. NOTIFY THE ENGINEER AND/OR THE ARCHITECT IF ANY CONFLICTS ARE FOUND PRIOR TO BIDDING PROJECT. INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.	
8.	ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE APPLICABLE CODES AND REGULATIONS.	
9.	ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.	
10.	CONDUIT RUNS SHOWN ON DRAWINGS ARE DIAGRAMMATIC. ALL CONDUITS SHALL RUN CONCEALED, EXCEPT IN EQUIPMENT ROOMS AND WHERE APPROVED BY ARCHITECT OR AS INDICATED ON DRAWINGS.	
11.	FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS.	
12.	ADJACENT POWER AND DATA/TELE DEVICES SHALL BE SPACED NO MORE THAN 4" APART. PROVIDE JUNCTION BOX MOUNTING BRACKET BETWEEN STUDS AS NEEDED.	
13.	ALL RECEPTACLES, TELEPHONE, AND DATA OUTLETS SHALL BE MOUNTED PER MOUNTING HEIGHT LEGEND OR TO MATCH BUILDING STANDARD (WHEN APPLICABLE), UNLESS OTHERWISE NOTED. ALL DEVICES SHALL BE NEW UNLESS OTHERWISE NOTED.	
14.	ALL FIRE ALARM NOTIFICATION DEVICES SHALL BE MOUNTED AT 80" AFF IN ACCORDANCE WITH ADA, UNLESS OTHERWISE NOTED.	
15.	DETERMINE, IN ADVANCE OF PURCHASE, THAT ALL ELECTRICAL MATERIALS AND EQUIPMENT TO BE INSTALLED SHALL FIT INTO THE ROOM OR SPACE ALLOCATED, AS INDICATED ON THE DRAWINGS, ALLOWING SUFFICIENT CLEARANCE FOR THE SAFE SERVICE AND/OR MAINTENANCE OF RELATED EQUIPMENT, INCLUDING THAT OF OTHER TRADES.	
	FIRE ALA	RM
1.	ALL DEVICES ARE NEW UNLESS OTHERWISE NOTED.	
2.	FIRE ALARM SHALL BE DESIGN—BUILD BY ELECTRICAL CONTRACTOR. DEVICES ARE SHOWN FOR REFERENCE ONLY. IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY ANY ADDITIONAL REQUIREMENTS WITH THE FIRE MARSHALL AS PART OF THE BASE BID.	ę
3.	THE FOLLOWING FIRE ALARM DRAWINGS ARE SCHEMATIC ONLY. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR BIDDING A COMPLETE & OPERATIONAL FIRE ALARM SYSTEM THAT MEETS LOCAL CODE. E.C. SHALL DEMO/DISCONNECT/RELOCATE ANY EXISTING DEVICES AS NECESSARY & PROVIDE NEW DEVICES AS REQUIRED TO MEET LOCAL MINIMUM REQUIREMENTS & NFPA FIRE CODE.	
4.	CONTRACTOR IS RESPONSIBLE FOR TESTING SYSTEM TO CREATE A UL-LISTED, CODE-COMPLIANT FIRE ALARM SYSTEM AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.	
5.	ALL FIRE ALARM PANELS SHALL BE AN APPROVED ADDRESSABLE TYPE.	
6.	A MAP INDICATING THE LOCATION OF ALL FIRE ALARM DEVICES SHALL BE POSTED DIRECTLY ADJACENT TO THE FIRE ALARM PANEL OR IN A LOCATION ACCEPTABLE TO THE FIRE PREVENTION BUREAU.	
7.	COORDINATE ALL WORK WITH LOCAL FIRE MARSHALL PRIOR TO BID.	

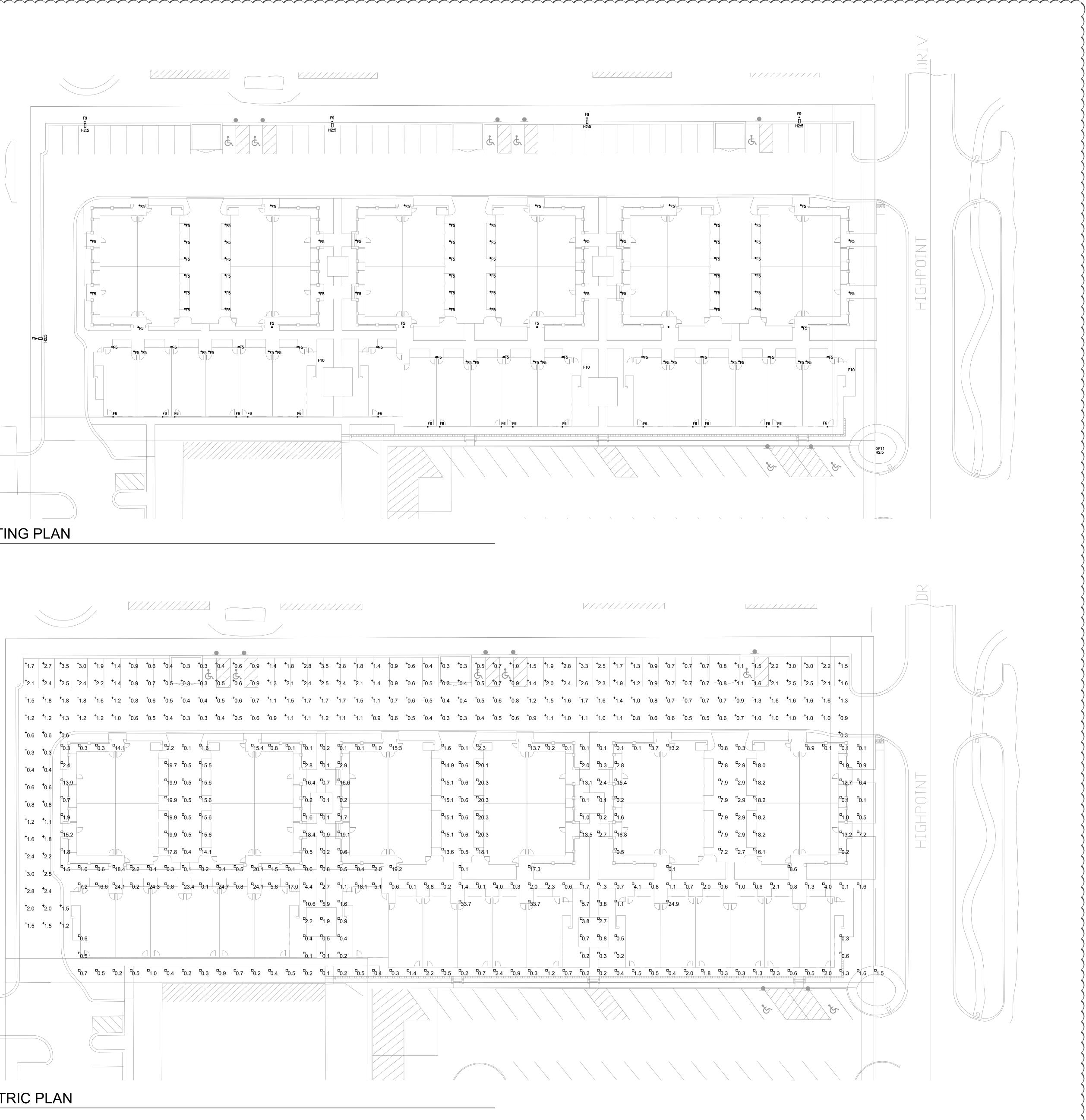
OLITION NOTES	ELECTRICAL SYMBOLS		ELE	CTRICA	AL DI	RAWI	NG L	IST		
<ol> <li>ALL AUDIO/VISUAL DEVICES MAY NOT BE SHOWN AS REQUIRED BY THE LOCAL JURISDICTION HAVING AUTHORITY. ALL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 72, ADA, STATE &amp; LOCAL CODES. A COMPLETE FIRE ALARM DEVICE LAYOUT SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.</li> <li>CONDUIT &amp; WIRING FOR ALL FIRE ALARM DEVICES TO BE RUN WITHIN COLUMNS OR WALLS WHERE APPLICABLE. ALL WIRING SHALL BE CONCEALED.</li> <li>ALL FIRE ALARMS TO BE AUDIBLE &amp; VISUAL, &amp; COMPLY FULLY TO ICC/ANSI A117.1 SECTION 702. ALL VISUAL ALARMS TO BE SYNCHRONIZED THROUGHOUT.</li> <li>ALL FIRE ALARM WIRING SHALL BE IN CONDUIT.</li> <li>UPON ACTIVATION OF A DUCT SMOKE DETECTOR, ALL MECHANICAL EQUIPMENT SHALL SHUT DOWN.</li> <li>RTU REMOTE TEST STATIONS SHALL HAVE LED INDICATOR.</li> <li>FIRE ALARM SMOKE DETECTORS NOT SHOWN ON PLAN. FIRE ALARM CONTRACTOR SHALL PLACE REQUIRED SMOKE DETECTORS THROUGHOUT THE CLUB ON THE CEILING AS REQUIRED PER LOCAL CODE.</li> </ol>	<ul> <li>➡ # DUPLEX RECEPTACLE, # INDICATES CIRCUIT TP: TAMPER RESISTANT WP: WEATHER PROOF GFI: GROUND FAULT INTERRUPT</li> <li>➡ ABOVE COUNTER DUPLEX RECEPTACLE, MOUNT AT +4" ABOVE COUNTER, UNLESS NOTED OTHERWISE</li> <li>➡ SIMPLEX RECEPTACLE</li> <li>➡ # QUADPLEX RECEPTACLE (# INDICATES CIRCUIT)</li> <li>➡ SPECIAL RECEPTACLE</li> <li>➡ HEAVY DUTY DISCONNECT SWITCH</li> </ul>	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	ITE LIGHTIN UNIT BLDO UNIT BLDO 2 UNIT BLD 2 UNIT BLD YPICAL RISE YPICAL ELE	TES & SYME G & PHOTOM G 1ST FLOOF G 2ND & 3R DG 1ST FLOC DG 2ND & 3 ER DIAGRAM CTRICAL PAN	METRIC F R PLAN- RD FLOOF OR PLAN- GRD FLOO EL SCHE	ELECTRIC/ R PLANS- -ELECTRIC DR PLANS	AL -ELECTRIC CAL S—ELECTRI	CAL		
L NOTES	TELE/DATA OUTLET, INDICATES (1) DATA DROP & (1) PHONE DROP					46"		g heig		
<ol> <li>ALL CIRCUITS SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR INSTALLED. COLOR OF GROUNDING CONDUCTOR SHALL BE GREEN. SIZE OF GROUNDING CONDUCTOR SHALL BE AS REQUIRED PER LOCAL CODE.</li> <li>ALL BRANCH CIRCUITS SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR INSTALLED. COLOR OF NEUTRAL CONDUCTOR SHALL BE WHITE.</li> <li>ALL CONDUCTOR SHALL BE MADE OF COPPER. MINIMUM WIRE SIZE SHALL BE #12AWG UNLESS OTHERWISE INDICATED, PER BUILDING OWNER REQUIREMENT. UTILIZE SOLID CONDUCTORS FOR WIRE GAGES UP TO #12AWG AND STRANDED CONDUCTOR FOR GAGES #10AWG AND LARGER.</li> <li>SPECIAL RECEPTACLES PLUG CONFIGURATION REQUIREMENTS SHALL BE COORDINATED WITH EQUIPMENT PLUG REQUIREMENTS PRIOR TO INSTALLATION.</li> <li>ALL FEEDER AND BRANCH CIRCUIT WIRING INSTALLED INDOORS SHALL USE THAN INSULATION. ALL WIRING INSTALLED OUTDOORS SHALL USE THANI INSULATION. REFER TO SPECIFICATION DOCUMENTS FOR COLOR CODED REQUIREMENTS.</li> <li>ALL POWER WIRING SHALL BE INSTALLED IN A DEDICATED RACEWAY SYSTEM. MINIMUM RACEWAY SIZE SHALL BE 3/4°C UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL SIZE ALL CONDUITS SO AS TO NOT EXCEED 40% OF CONDUT FILLING CAPACITY PER LOCAL CODE.</li> <li>ALL POWER WIRING SHALL BE INSTALLED IN A DEDICATED RACEWAY SYSTEM. MINIMUM RACEWAY SIZE SHALL BE 3/4°C UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL SIZE ALL CONDUITS SO AS TO NOT EXCEED 40% OF CONDUT FILLING CAPACITY PER LOCAL CODE.</li> <li>ALL PULL BOXES AND JUNCTION BOXES SHALL BE SIZED PER NEC. BASED IN THE AMOUNT OF CABLE AND CONDURS ENTERING/LEAVING THE BOX.</li> <li>ALL BRAKERS SERVING FIRE ALARM AND EXIT SIGNS EQUIPMENT SHALL BE KEY-LOCK STYLE.</li> <li>SERVICE EQUIPMENT AND BRANCH CIRCUIT PANELBOARDS SHALL HAVE AN UPDATED PANEL DIRECTORY INSTALLED UPON PROJECT COMPLETION. UTILIZE TYPE WRITER AS A MINIMUM FOR COMPLIANCE. HAND WRITTEN CARD DIRECTORIES AND VIBRITY EXACT BREAKER SIZE AND WIRING WITH AUPR</li></ol>	<ul> <li>ABOVE COUNTER TELE/DATA OUTLET, MOUNT AT +40"AFF UNLESS NOTED OTHERWISE</li> <li>TV COAX WITH CAT6 PAIR</li> <li>JUNCTION BOX</li> <li>PP POWER POLE</li> <li>CR CARD READER</li> <li>\$0S DUAL TECH WALL MOUNTED OCCUPANCY SENSOR WITH AUTO-ON/AUTO-OFF FUNCTION</li> <li>\$VS DUAL TECH WALL MOUNTED OCCUPANCY SENSOR WITH MANUAL-ON/AUTO-OFF FUNCTION</li> <li>\$VO OVERRIDE SWITCH FOR CEILING OCCUPANCY SENSORS</li> <li>\$ TOGGLE SWITCH</li> <li>\$D DIMMER SWITCH</li> <li>\$M MOMENTARY CONTACT CONTROL SWITCH ON-CENTER-OFF POSITION SPDT</li> <li>CEILING MOUNTED OCCUPANCY SENSOR</li> <li>\$J/4"C STUB UP TO ABOVE ACCESSIBLE CEILING WITH END BUSHING</li> <li>CONDUIT CONCEALED IN WALL/ABOVE THE CEILING</li> <li>CONDUIT IN CONCRETE SLAB/UNDERGROUND</li> <li>CEILING MOUNTED SPEAKER</li> <li>SECURITY DOOR CONTACT (PREPARE DOOR, ROUGH-IN ONLY UP TO ABOVE ACCESSIBLE CEILING</li> <li>SINGLE POLE DISCONNECT SWITCH TOGGLE STYLE</li> <li>MOTOR WITH MOTOR RATED DISCONNECT SWITCH.</li> </ul>	SWITCHES (@KITCHEN COUNTER)       44" (SEE NOTE 5)         TELEPHONE/TV OUTLETS (@TYPICAL WALL)       12"         TELEPHONE OUTLETS (@KITCHEN COUNTER)       44" (SEE NOTES 2,5)         OUTLETS (@KITCHEN COUNTER)       44" (SEE NOTES 2,5)         OUTLETS (@KITCHEN COUNTER)       44" (SEE NOTES 2,5)         OUTLETS (@KITCHEN COUNTER AT LOW WALL)       28" (SEE NOTES 2,5)         OUTLETS (@KITCHEN COUNTER AT LOW WALL)       28" (SEE NOTES 2,5)         OUTLETS (@VANITY NEAR MED CAB)       46" (SEE NOTES 2,3)         THERMOSTAT       48" (SEE NOTE 1)         CIRCUIT BREAKER PANEL       48" (SEE NOTE 1)         CIRCUIT BREAKER PANEL       48" (SEE NOTE 1)         TELEPHONE & CATV TERMINAL CABINET       60"         SMOKE AND CO DETECTORS       CELLING         HVI DEVICES OR BOXES       96"         VANITY LIGHT FIXTURE       80"         ALARM KEYPAD       46" (SEE NOTE 1)         GATEWAY BOX       SHELF HEIGHT (SEE NOTE 6) <b>MOUNTING SCHEDDULE NOTES:</b> MICH HEIGHT (SEE NOTE 6)         MOUNTED VERTICALLY UNLESS INDICATED OTHERWISE. ALL SWITCHES AND OUTLETS TO BE MOUNTED VERTICALLY UNLESS INDICATED OTHERWISE. WHEN A UNIT IS DESIGNATED AS MORE THAN ONE TYPE, THE MORE RESTRICTIVE RULE APPLIES.         1. TO TOP BUTTON/BREAKER ON PANEL       2. DEVICE MOUNTED HORIZONTALLY         3. COORDINATE WITH LOCAT				(SEE NOT (SEE NOT (SE	6)			
31. LABEL ALL J–BOX COVER PLATES AND RECEPTACLE COVER PLATES WITH CIRCUIT INFORMATION. 32. E.C. SHALL FURNISH AND INSTALL J–BOX AND $3/4$ °C FOR MECHANICAL THERMOSTAT. COORDINATE FINAL	W WIRELESS ACCESS POINT						IXTURE SCHEDULE			
LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. 33. CONTRACTOR SHALL SCHEDULE ROUGH INSPECTION FOR EACH UNIQUE UNIT TYPE FOR APPROVAL BY OWNER. WRITTEN CONFIRMATION REQUIRED PRIOR TO PROCEEDING WITH WORK.	OH       DAYLIGHT HARVEST SENSOR         ELECTRICAL PANEL		TAG	FIXTURE TYPE	VOLTS		AMPS E TOTAL WATTS			LOCATION & DESCRIPTION
	FIRE ALARM SYMBOLS	-	F1	LED	120V	- LED	22.4W	RECESSED	EATON-PORTFOLIO LD6A-15-D010TE-ERM6A-15-8-30- 6LM0-LI	6" RECESSED LIGHT IN UNIT CEILING. ENERGY STAR RATED.
	FACP       FIRE ALARM CONTROL PANEL         FAAP       FIRE ALARM ANNUCIATOR PANEL		F2	LED	120V		) 12.5W	SURFACE	LITHONIA LIGHTING UCLD-24IN-30K-90CRI-SWR-WH	2'-0" TASK LIGHT WITH TOGGLE
<ol> <li>ALL AUDIO/VISUAL DEVICES MAY NOT BE SHOWN AS REQUIRED BY THE LOCAL JURISDICTION HAVING AUTHORITY. ALL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 72, ADA, STATE &amp; LOCAL CODES. A COMPLETE FIRE ALARM DEVICE LAYOUT SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.</li> <li>CONDUIT &amp; WIRING FOR ALL FIRE ALARM DEVICES TO BE RUN WITHIN COLUMNS OR WALLS WHERE APPLICABLE. ALL WIRING SHALL BE CONCEALED.</li> </ol>	S     FIRE ALARM DOUBLE ACTION PULL STATION       V     FIRE ALARM WALL MOUNTED STROBE		F3	FLUOR.	120V	2 T8 BI-		SURFACE		SWITCH. ENERGY STAR RATED. 3'-0" CLOSET LIGHT. ENERGY STAR RATED.
<ol> <li>ALL FIRE ALARMS TO BE AUDIBLE &amp; VISUAL, &amp; COMPLY FULLY TO ICC/ANSI A117.1 SECTION 702. ALL VISUAL ALARMS TO BE SYNCHRONIZED THROUGHOUT.</li> <li>ALL FIRE ALARM WIRING SHALL BE IN CONDUIT.</li> </ol>	<ul> <li>FIRE ALARM WALL MOUNTED HORN/STROBE</li> <li>FIRE ALARM HEAT DETECTOR (SEE DRAWINGS FOR TYPE) 135FIX, 200FIX, RATE OF RISE (ROR)</li> </ul>		F4	LED	120V	– LED	) 21.7W	SURFACE	METALUX AP SERIES-FMLED FM-LED-16-WH-830-PR	16"D GARAGE LIGHT. ENERGY STAR RATED.
<ol> <li>UPON ACTIVATION OF A DUCT SMOKE DETECTOR, ALL MECHANICAL EQUIPMENT SHALL SHUT DOWN.</li> <li>RTU REMOTE TEST STATIONS SHALL HAVE LED INDICATOR.</li> </ol>	KB     KNOX BOX       RT     RESET/TEST SWITCH FOR RTU DUCT DETECTOR		F5	LED	UNV	– LED	) 43.6W	RECESSED	OPTICS: L400P-C-L-WH	EXTERIOR CYLINDER PENDANT LIGHT AT UNIT ENTRY. ENERGY STAR RATED *FOR EM FIXTURES USE EMERGENCY BATTERY PACK W/ INTEGRAL TEST
14. FIRE ALARM SMOKE DETECTORS NOT SHOWN ON PLAN. FIRE ALARM CONTRACTOR SHALL PLACE REQUIRED SMOKE DETECTORS THROUGHOUT THE CLUB ON THE CEILING AS REQUIRED PER LOCAL CODE.	DD DUCT DETECTOR SD FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR		F6	LED	120V	FLUC 1 GU2 CFL	24   13W	WALL	ACCESSORIES: C-18-C-W <u>SEAGULL LIGHTING</u> 8547901BLE-12	SWITCH. EXTERIOR WALL MOUNTED LIGHT AT BALCONIES. SAFETY LISTED FOR WET LOCATIONS. PROVIDE ENERGY-STAR RATED LAMPS
	CO FIRE ALARM CARBON MONOXIDE DETECTOR		F7	NOT USED	) _		-	_	_	
			F8	LED	UNV	– LED	) 43W	RECESSED	METALUX AP SERIES 4SLSTP4040DD-UNV	4'-0" BACK OF HOUSE STRIP LIGHT. ENERGY STAR RATED.
		$\wedge$	F9	LED	UNV	– LED			LITHONIA LIGHTING DSXO LED-20C-1000-30K-T4M- MVOLT-HS	PARKING LOT LIGHTING.
			F10	LED	UNV	– LED			LITHONIA_LIGHTING TWR1-3-40K-MVOLT-PE	WALL PACK.
			F11	LED	UNV	– LEC			HOLOPHANE WFCL2-035H0-30K-AS-BK-L2-S- PCS	RESIDENTIAL STREET LIGHTING.
										<u> </u>
				MR16	120V	2 MR1 12W	6 <sub>24W</sub>		PHILIPS CHLORIDE – CM – 25750 65X6N24W12	EMERGENCY BATTERY PACK.

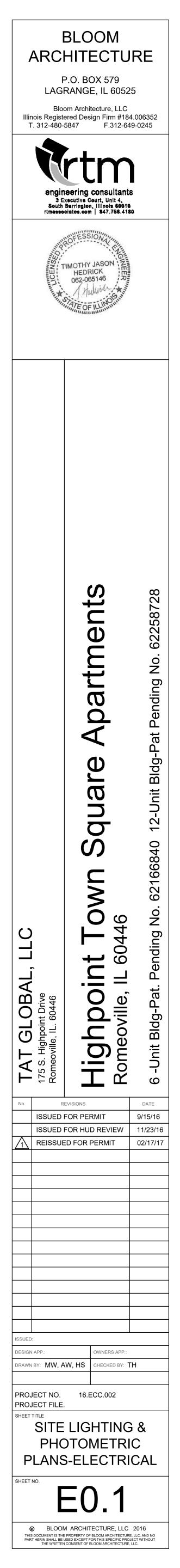










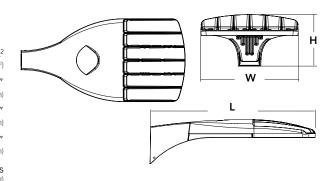


**D-Series** Size 0 ED Area Luminaire



d"series

Specifications									
EPA:	0.95 ft <sup>2</sup> (.09 m <sup>2</sup> )								
Length:	26" (66.0 cm)								
Width:	13" (33.0 cm)								
Height:	7″ (17.8 cm)								
Weight (max):	16 lbs (7.25 kg)								



Catalog	
Number	

Notes

Туре

# Introduction

The modern styling of the D-Series is striking vet 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 65% and expected service life of over 100,000 hours.

EXAMPLE: DSX0 LED 40C 1000 40K T3M MVOLT SPA DDBXD

# **Ordering Information**

DSX0 LED													
Series	LEDs		Drive o	urrent	Color ter	nperature	Distrib	ution			Voltage	Mounting	
DSX0 LED	Forw	ard optics	530	530 m A	30K	3000 K	T1S	Type   short	T5S	Type V short	MVOLT 5	Shipped include	d
	20C	20 LEDs (one engine)	700	700 mA	40K	4000 K	T2S	Type II short	T5M	Type V medium	120 <sup>5</sup>	SPA	Square pole mounting
	40C	40 LEDs (two engines)	1000	1000 mA	50K	5000 K	T2M	Type II medium	T5W	Type V wide	208 5	RPA	Round pole mounting
	Rota	ted optics <sup>1</sup>		(1 A) <sup>2</sup>	AMBPC	Amber	T3S	Type III short	BLC	Backlight control <sup>2,4</sup>	240 <sup>5</sup>	WBA	Wall bracket
	30C	30 LEDs (one engine)				phosphor	T3M	Type III medium	LCC0	Left corner cutoff <sup>2,4</sup>	277 5	SPUMBA	Square pole universal mounting adaptor 7
						converted <sup>3</sup>	T4M	Type IV medium	RCCO	Right corner	347 <sup>6</sup>	RPUMBA	Round pole universal mounting adaptor 7
							TFTM	Forward throw		cutoff <sup>2,4</sup>	4806	Shipped separa	tely
								medium				KMA8 DDBXD U	Mast arm mounting bracket adaptor

T5VS Type V very short

(specify finish)<sup>8</sup>

Control options			Other	options	Finish (requ	ired)
Shipped isstalled         PER       NEMA twist-lock receptacle only (no controls) <sup>9</sup> PER5       Five-wire receptacle only (no controls) <sup>9,10</sup> PER7       Seven-wire receptacle only (no controls) <sup>9,10</sup> DMG       0-10V dimming driver (no controls) <sup>11</sup> DCR       Dimmable and controllable via ROAM <sup>®</sup> (no controls) <sup>12</sup> PIR       Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>13</sup> PIRF4       Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>13</sup>	PIRH1FC3V BL30 BL50 PNMTDD3 PNMT5D3 PNMT6D3 PNMT7D3 FAO	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>13</sup> Bi-level switched dimming, 30% <sup>14,15</sup> Bi-level switched dimming, 50% <sup>14,15</sup> Part night, dim till dawn <sup>16</sup> Part night, dim 5 hrs <sup>16</sup> Part night, dim 6 hrs <sup>16</sup> Part night, dim 7 hrs <sup>16</sup> Field adjustable output <sup>17</sup>	Ship HS SF DF L90 R90 DDL BS	ped installed House-side shield <sup>18</sup> Single fuse (120, 277, 347V) <sup>19</sup> Double fuse (208, 240, 480V) <sup>19</sup> Left rotated optics <sup>1</sup> Right rotated optics <sup>1</sup> Diffused drop lens <sup>18</sup> Bird spikes	DDBXD DBLXD DNAXD DWHXD DDBTXD DBLBXD DNATXD DWHGXD	Dark bronze Black Natural aluminum White Textured dark bronze Textured black Textured natural aluminum Textured white

PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PERS or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required. Not available with PNMT options. Requires an additional switched circuit. Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7 or PNMT options. Not available with PIR1FC3V and PIRH1FC3V. Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7, BL30 or BL50. Not available with PIR1FC3V and PIRH1FC3V. Separate on/ off required. **Controls & Shields** NOTES 13 30 LEDs (30C option) and rotated options (L90 or R90) only available together. Not available with AMBPC. DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) 2 Not available with AMBPC. Only available with AMBPC. Not available with S30mA or 700mA. Not available with HS or DDL. MVQLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options). Not available with single board, S30mA product (20C 530 or 30C 530). Not available with B130, BL50 or PNMT options. Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31. Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included). Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) 20 eparately 45 DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) 20 Accessories DSHORT SBK U 15 Shorting cap 20 DSX0HS 20C U House-side shield for 20 LED unit 18 6 16 DSX0HS 30C U House-side shield for 30 LED unit 18 7 PERF, black in Decision 195 stream. Of required. Dimming driver standard. Not available with PER5, PER7, DMG, DCR, BL30, BL50, PNMT, PIR, PIRH, PIRT-PICA and RPCAD distribution. Also available as a DSXOHS 40C U House-side shield for 40 LED unit 18 17 8 DSXODDL U Diffused drop lens (polycarbonate) 17 18 PUMBA DDBXD U\* Square and round pole universal mount-9 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See separate accessory; see Accessories information. Single fuse (SF) requires 208V, 240V or 480V. ing bracket adaptor (specify finish)21 19 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuty Brands Controls. Not available with DCR. Node with integral dimming. DMG option for 347V or 480V requires 1000mA. 10 KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) 20 21 For retrofit use only.

DMG option for 347V or 480V requires 1000mA. Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net, N/A with PIR options, PERS, PER7, BL30, BL50 or PNMT options. Node without integral dimming.

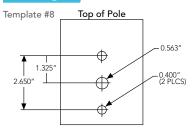
- Not available with BLC, LCCO and RCCO distribution. Also available as a
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.

For more control options, visit DTL and ROAM online



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DSX0-LED Rev. 10/19/16 Page 1 of 5 Drilling



DSX0 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.										
DM19AS	Single unit	DM29AS	2 at 90° *							
DM28AS	2 at 180°	DM39AS	3 at 90° *							
DM49AS	4 at 90° *	DM32AS	3 at 120° **							
Example: SSA 2	20 4C <b>DM19AS</b> DE	DBXD								

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools. "Round pole top must be 3.25" 0.0. minimum. ""For round pole mounting (RPA) only.

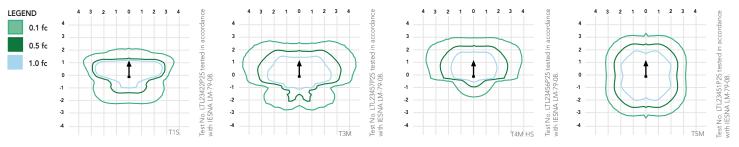
Tenon Mounting Slipfitter*	**
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Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8″	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4″	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

# **Photometric Diagrams**

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 0 homepage.

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').



## **Performance Data**

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## Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40  $^\circ C$  (32-104  $^\circ F).$ 

Amt	Lumen Multiplier	
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

## **Electrical Load**

LICCU	Loui Loui							
					Curre	nt (A)		
Number of LEDs	Drive Current (mA)	System Watts	120	208	240	277	347	480
	530	35	0.34	0.22	0.21	0.20		
20C	700	45	0.47	0.28	0.24	0.22	0.18	0.14
	1000	72	0.76	0.45	0.39	0.36	0.36	0.26
	530	52	0.51	0.31	0.28	0.25		
30C	700	70	0.72	0.43	0.37	0.34	0.25	0.19
	1000	104	1.11	0.64	0.56	0.49	0.47	0.34
	530	68	0.71	0.41	0.36	0.33	0.25	0.19
40C	700	91	0.94	0.55	0.48	0.42	0.33	0.24
	1000	138	1.45	0.84	0.73	0.64	0.69	0.50

## **Projected LED Lumen Maintenance**

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000		
		DSX0 LED	20C 1000			
	1	0.98	0.96	0.93		
Lumen Maintenance		DSX0 LED	40C 1000			
Factor	1	0.98	0.95	0.90		
	DSX0 LED 40C 700					
	1	0.99	0.99	0.99		



## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward	Optics																						
	Drive Current	System	Dist.							50K			АМВРС										
		Watts	Туре	(3000 K, 70 CRI)							K, 70 (	RI)			(5000	K, 70 C	IRI)		(Amber Phosphor Converted)				
	(mA)	Matts	туре	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW
			T1S	4,079	1	0	1	117	4,380	1	0	1	125	4,408	1	0	1	126	2,541	1	0	1	73
			T2S	4,206	1	0	1	120	4,516	1	0	1	129	4,544	1	0	1	130	2,589	1	0	1	74
			T2M	4,109	1	0	1	117	4,413	1	0	1	126	4,440	1	0	1	127	2,539	1	0	1	73
			T3S	4,104	1	0	1	117	4,407	1	0	1	126	4,435	1	0	1	127	2,558	1	0	1	73
			T3M	4,142	1	0	1	118	4,447	1	0	1	127	4,475	1	0	1	128	2,583	1	0	1	74
			T4M	4,198	1	0	1	120	4,508	1	0	1	129	4,536	1	0	1	130	2,570	1	0	1	73
	530 mA	35 W	TFTM	4,135	1	0	1	118	4,440	1	0	2	127	4,468	1	0	2	128	2,540	1	0	1	73
	550 11/1	35 11	T5VS	4,368	2	0	0	125	4,691	2	0	0	134	4,720	2	0	0	135	2,650	1	0	0	76
			T5S	4,401	2	0	2	126	4,725	2	0	0	135	4,755	2	0	0	136	2,690	1	0	0	77
			T5M	4,408	2	0	1	126	4,734	3	0	1	135	4,763	3	0	1	136	2,658	2	0	0	76
			T5W	4,344	3	0	1	124	4,664	3	0	1	133	4,693	3	0	1	134	2,663	2	0	1	76
			BLC	3,071	1	0	1	88	3,297	1	0	1	94	3,318	1	0	1	95					
			LCC0	2,983	1	0	1	85	3,204	1	0	1	92	3,224	1	0	1	92					
			RCCO	2,983	1	0	1	85	3,204	1	0	1	92	3,224	1	0	1	92					
			T1S	5,181	1	0	1	115	5,563	1	0	1	124	5,598	1	0	1	124	3,144	1	0	1	70
			T2S	5,342	1	0	1	119	5,736	1	0	1	127	5,772	1	0	1	128	3,203	1	0	1	71
			T2M	5,219	1	0	1	116	5,605	1	0	1	125	5,640	1	0	1	125	3,141	1	0	1	70
			T3S	5,213	1	0	1	116	5,598	1	0	1	124	5,633	1	0	1	125	3,165	1	0	1	70
			T3M	5,260	1	0	1	117	5,649	1	0	2	126	5,684	1	0	2	126	3,196	1	0	1	71
			T4M	5,332	1	0	1	118	5,725	1	0	2	127	5,761	1	0	2	128	3,179	1	0	1	71
20C	700 mA	45 W	TFTM	5,252	1	0	2	117	5,640	1	0	2	125	5,675	1	0	2	126	3,143	1	0	1	70
(20 LEDs)			T5VS	5,548	2	0	0	123	5,958	2	0	0	132	5,995	2	0	0	133	3,278	2	0	0	73
			T5S	5,589	2	0	0	124	6,002	2	0	0	133	6,039	2	0	0	134	3,328	2	0	0	74
			T5M	5,599	3	0	1	124	6,012	3	0	1	134	6,050	3	0	1	134	3,288	2	0	1	73
			T5W	5,517	3	0	1	123	5,924	3	0	1	132	5,961	3	0	1	132	3,295	2	0	1	73
			BLC	3,909	1	0	1	87	4,198	1	0	1	93	4,224	1	0	1	94					
			LCC0	3,798	1	0	1	84	4,078	1	0	1	91	4,104	1	0	1	91	]				
			RCCO	3,798	1	0	1	84	4,078	1	0	1	91	4,104	1	0	1	91	1				
			T1S	7,085	1	0	1	98	7,608	2	0	2	106	7,656	2	0	2	106	]				
			T2S	7,305	1	0	1	101	7,845	2	0	2	109	7,894	2	0	2	110	1				
			T2M	7,138	1	0	2	99	7,665	2	0	2	106	7,713	2	0	2	107	1				
			T3S	7,129	1	0	1	99	7,656	2	0	2	106	7,704	2	0	2	107	1				
			T3M	7,194	1	0	2	100	7,725	2	0	2	107	7,773	2	0	2	108	1				
			T4M	7,292	1	0	2	101	7,830	2	0	2	109	7,879	2	0	2	109	1				
			TFTM	7,183	1	0	2	100	7,713	1	0	2	107	7,761	1	0	2	108	1				
	1000 mA	72 W	T5VS	7,588	2	0	0	105	8,148	3	0	0	113	8,199	3	0	0	114	1				
			T5S	7,644	2	0	0	106	8,208	2	0	0	114	8,259	2	0	0	115	1				
			T5M	7,657	3	0	1	106	8,222	3	0	1	114	8,274	3	0	1	115	1				
			T5W	7,545	3	0	1	105	8,102	3	0	2	113	8,153	3	0	2	113	1				
			BLC	5,162	1	0	1	72	5,543	1	0	2	77	5,578	1	0	1	77	1				
			LCCO	5,015	1	0	2	70	5,386	1	0	2	75	5,419	1	0	2	75	1				
			RCCO	5,015	1	0	2	70	5,386	1	0	2	75	5,419	1	0	2	75	1				



## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current	System	Dist.							AMBPC													
		Watts	Туре	(3000 K, 70 CRI)						(4000	K, 70 C	RI)			(5000	K, 70 (	CRI)		(Amber Phosphor Converted)				
	(mA)	Watts	туре	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW
			T1S	7,926	2	0	2	117	8,511	2	0	2	125	8,564	2	0	2	126	4,878	1	0	1	72
			T2S	8,172	2	0	2	120	8,775	2	0	2	129	8,830	2	0	2	130	4,969	1	0	1	73
			T2M	7,985	2	0	2	117	8,574	2	0	2	126	8,628	2	0	2	127	4,874	1	0	1	72
			T3S	7,975	1	0	2	117	8,564	2	0	2	126	8,617	2	0	2	127	4,910	1	0	1	72
			T3M	8,047	2	0	2	118	8,642	2	0	2	127	8,696	2	0	2	128	4,958	1	0	2	73
			T4M	8,157	1	0	2	120	8,759	2	0	2	129	8,813	2	0	2	130	4,932	1	0	2	73
	530 mA	68 W	TFTM	8,035	1	0	2	118	8,628	2	0	2	127	8,682	2	0	2	128	4,876	1	0	2	72
	550 11/	00 11	T5VS	8,488	2	0	0	125	9,115	3	0	0	134	9,172	3	0	0	135	5,086	2	0	0	75
			T5S	8,550	2	0	0	126	9,182	3	0	1	135	9,239	3	0	1	136	5,163	2	0	0	76
			T5M	8,565	3	0	1	126	9,198	3	0	2	135	9,255	3	0	2	136	5,102	3	0	1	75
			T5W	8,440	3	0	2	124	9,063	3	0	2	133	9,120	3	0	2	134	5,112	3	0	1	75
			BLC	6,142	1	0	2	90	6,595	1	0	2	97	6,636	1	0	2	98					
			LCC0	5,967	1	0	2	88	6,407	1	0	2	94	6,447	1	0	2	95					
			RCCO	5,967	1	0	2	88	6,407	1	0	2	94	6,447	1	0	2	95					
			T1S	10,066	2	0	2	111	10,810	2	0	2	119	10,877	2	0	2	120	6,206	2	0	2	68
			T2S	10,379	2	0	2	114	11,145	2	0	2	122	11,215	2	0	2	123	6,322	2	0	2	69
			T2M	10,141	2	0	2	111	10,890	2	0	2	120	10,958	2	0	2	120	6,201	2	0	2	68
			T3S	10,129	2	0	2	111	10,877	2	0	2	120	10,945	2	0	2	120	6,247	1	0	2	69
			T3M	10,221	2	0	2	112	10,975	2	0	2	121	11,044	2	0	2	121	6,308	2	0	2	69
			T4M	10,359	2	0	2	114	11,124	2	0	2	122	11,194	2	0	2	123	6,275	1	0	2	69
40C	700 mA	91 W	TFTM	10,205	2	0	2	112	10,958	2	0	3	120	11,027	2	0	3	121	6,203	1	0	2	68
(40 LEDs)			T5VS	10,781	3	0	0	118	11,576	3	0	1	127	11,649	3	0	1	128	6,569	2	0	0	72
			T5S	10,860	3	0	1	119	11,662	3	0	1	128	11,734	3	0	1	129	6,569	2	0	0	72
			T5M	10,879	3	0	2	120	11,682	3	0	2	128	11,755	3	0	2	129	6,491	3	0	1	71
			T5W	10,719	3	0	2	118	11,511	4	0	2	126	11,583	4	0	2	127	6,504	3	0	2	71
			BLC	7,819	1	0	2	86	8,396	1	0	2	92	8,448	1	0	2	93					
			LCC0	7,596	1	0	2	83	8,157	1	0	2	90	8,208	1	0	2	90	1				
			RCCCO	7,596	1	0	2	83	8,157	1	0	2	90	8,208	1	0	2	90	1				
			T1S	13,767	2	0	2	100	14,783	3	0	3	107	14,876	3	0	3	108	1				
			T2S	14,194	2	0	2	103	15,242	3	0	3	110	15,338	3	0	3	111	1				
			T2M	13,869	2	0	2	101	14,893	3	0	3	108	14,986	3	0	3	109	1				
			T3S	13,852	2	0	2	100	14,875	2	0	2	108	14,968	2	0	2	108	1				
			T3M	13,978	2	0	2	101	15,010	3	0	3	109	15,104	3	0	3	109	1				
			T4M	14,168	2	0	2	103	15,214	3	0	3	110	15,309	3	0	3	111					
			TFTM	13,956	2	0	3	101	14,987	2	0	3	109	15,080	2	0	3	109	1				
	1000 mA	138 W	T5VS	14,744	3	0	1	107	15,832	3	0	1	115	15,931	4	0	1	115					
			TSS	14,852	3	0	1	108	15,948	3	0	1	116	16,048	3	0	1	116					
			T5M	14,878	4	0	2	108	15,976	4	0	2	116	16,076	4	0	2	116					
			T5W	14,660	4	0	2	106	15,742	4	0	2	114	15,840	4	0	2	115					
			BLC	10,325	1	0	2	75	11,087	1	0	2	80	11,156	1	0	2	81					
			LCCO	10,031	2	0	2	73	10,771	2	0	3	78	10,839	2	0	3	79					
			RCCO	10,031	2	0	2	73	10,771	2	0	3	78	10,839	2	0	3	79					



## **Performance Data**

LEDs	Drive	Suctor	Dist.			30K					50K							MBPC					
	Current (mA)	System Watts		(3000 K, 70 CRI)						(5000 K, 70 CRI)					(Amber Phosphor Converted)								
		watts	Туре	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPV
			T1S	6,130	2	0	2	118	6,583	2	0	2	127	6,624	2	0	2	127	3,841	2	0	2	74
			T2S	6,321	2	0	2	122	6,787	2	0	2	131	6,830	3	0	3	131	3,912	2	0	2	7.
			T2M	6,176	2	0	2	119	6,632	3	0	3	128	6,673	3	0	3	128	3,837	2	0	2	7
			T3S	6,168	2	0	2	119	6,624	3	0	3	127	6,665	3	0	3	128	3,866	2	0	2	7
			T3M	6,224	3	0	3	120	6,684	3	0	3	129	6,726	3	0	3	129	3,904	2	0	2	7
			T4M	6,309	3	0	3	121	6,775	3	0	3	130	6,817	3	0	3	131	3,884	2	0	2	7
	530 mA	52 W	TFTM	6,215	3	0	3	120	6,673	3	0	3	128	6,715	3	0	3	129	3,839	2	0	2	7
	550	52.0	T5VS	6,565	2	0	0	126	7,050	2	0	0	136	7,094	2	0	0	136	4,005	2	0	0	7
			T5S	6,613	2	0	0	127	7,102	2	0	0	137	7,146	2	0	0	137	4,065	2	0	0	7
			T5M	6,625	3	0	1	127	7,114	3	0	1	137	7,159	3	0	1	138	4,017	2	0	1	7
		-	T5W	6,528	3	0	1	126	7,010	3	0	2	135	7,054	3	0	2	136	4,025	3	0	1	7
			BLC	4,747	2	0	2	91	5,098	2	0	2	98	5,130	2	0	2	99	-				
			LCCO	4,612	1	0	2	89	4,953	1	0	2	95	4,984	1	0	2	96	-				
			RCCO	4,612	1	0	2	89	4,953	1	0	2	95	4,984	1	0	2	96					
			T1S	7,786	2	0	2	111	8,361	3	0	3	119	8,413	3	0	3	120	4,783	2	0	2	6
			T2S	8,028	2	0	2	115	8,620	3	0	3	123	8,674	3	0	3	124	4,873	2	0	2	7
			T2M	7,844	3	0	3	112	8,423	3	0	3	120	8,476	3	0	3	121	4,779	2	0	2	6
			T3S	7,834	3	0	3	112	8,413	3	0	3	120	8,465	3	0	3	121	4,815	2	0	2	6
			T3M	7,905	3	0	3	113	8,489	3	0	3	121	8,542	3	0	3	122	4,862	3	0	3	6
200			T4M	8,013	3	0	3	114	8,604	3	0	3	123	8,658	3	0	3	124	4,837	3	0	3	6
	700 mA	70 W	TFTM	7,893	3	0	3	113	8,476	3	0	3	121	8,529	3	0	3	122	4,781	3	0	3	6
(30 LEDS)			T5VS	8,338	2	0	0	119	8,954	3	0	0	128	9,010	3	0	0	129	4,988	2	0	0	7
			TSS	8,400	2	0	0	120	9,020	3	0	1	129	9,076	3	0	1	130	5,063	2	0	0	7
			T5M	8,414	3	0	1	120	9,036	3	0	2	129	9,092	3	0	2	130	5,003	3	0	1	7
			T5W	8,291	3	0	2	118	8,903	3	0	2	127	8,959	3	0	2	128	5,013	3	0	1	7
			BLC	6,044	2	0	2	86	6,490	3	0	3	93	6,530	3	0	3	93	-				
30C (30 LEDs)			LCCO	5,872	1	0	2	84	6,305	1	0	2	90	6,345	1	0	2	91					
			RCCO	5,872	1	0	2	84	6,305	1	0	2	90	6,345	1	0	2	91					
			T1S	10,648	3	0	3	102	11,434	3	0	3	110	11,506	3	0	3	111	-				
			T2S T2M	10,979	3	0	3	106 103	11,789	3	0	3	113 111	11,863	3	0	3	114 111	-				
				10,727		0			11,519		0			11,591		-	3		-				
			T3S	10,714	3	0	3	103	11,505	3	0	3	111	11,577	3	0		111 112	-				
			T3M T4M	10,812 10,958	3	0	3	104 105	11,610 11,767	4	0	4	112 113	11,682 11,841	4	0	4	112	-				
				,		0	3		, ,		-	3		,		-			-				
	1000 mA	104 W	TFTM	10,795	3			104	11,592	3	0	3	111	11,664	4	0	4	112	-				
			T5VS T5S	11,404 11,487	3	0	0	110 110	12,245	3	0	1	118 119	12,322 12,413	3	0	1	118 119	-				
			T5M	,	3		2	110	12,336	4	-	2		,	4	-	2	119	-				
			T5W	11,508	4	0	2	109	12,357	4	0	2	119 117	12,434	4	0	2	120	-				
			BLC	11,339 7,981	4	0	2	77	12,176 8,570	4	0	3	82	12,252 8,624	4	0	3	83	-				
			LCCO	7,981	3	0	2	75	8,570	2	0	2	82	8,624	2	0	2	83	-				
			100		1	0		1 /2	01/0		0		U AU	01/0	1		1	ă I					

## **FEATURES & SPECIFICATIONS**

#### INTENDED USE

The sleek design of the D-Series Size 0 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 thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft<sup>o</sup>) for optimized pole wind loading.

#### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

#### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED<sup>®</sup> and Green Globes<sup>™</sup> criteria for eliminating wasteful uplight.

#### ELECTRICAL

Light engine(s) configurations consist of 20, 30 or 40 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an

expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

#### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS<sup>TM</sup> series pole drilling pattern (template #8). Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

#### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms\_and\_conditions.aspx

**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.

