

TAT GLOBAL, LLC
175 S. Highpoint Drive
Romeoville, IL 60446

NO.	REVISIONS	DATE
	ISSUED FOR PERMIT	9/15/16
	ISSUED FOR HUD REVIEW	11/23/16
	REISSUED FOR PERMIT	02/17/17

ISSUED:	OWNERS APP:
DESIGN APP:	CHECKED BY: TH
DRAWN BY: MW, AW, HS	

PROJECT NO. 16.ECC.002
PROJECT FILE

SHEET TITLE
ELECTRICAL GENERAL NOTES & SYMBOLS

SHEET NO.
E0.0

Highpoint Town Square Apartments
Romeoville, IL 60446
6 -Unit Bldg-Pat. Pending No. 62166840 12-Unit Bldg-Pat Pending No. 62258728

GENERAL DEMOLITION NOTES	
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.	7. 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 & LOCAL CODES. A COMPLETE FIRE ALARM DEVICE LAYOUT SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.
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.	8. CONDUIT & WIRING FOR ALL FIRE ALARM DEVICES TO BE RUN WITHIN COLUMNS OR WALLS WHERE APPLICABLE. ALL WIRING SHALL BE CONCEALED.
3. CONTRACTOR IS RESPONSIBLE FOR TESTING SYSTEM TO CREATE A UL-LISTED, CODE-COMPLIANT FIRE ALARM SYSTEM AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.	9. ALL FIRE ALARMS TO BE AUDIBLE & VISUAL, & COMPLY FULLY TO ICC/ANSI A117.1 SECTION 702. ALL VISUAL ALARMS TO BE SYNCHRONIZED THROUGHOUT.
4. ALL FIRE ALARM PANELS SHALL BE AN APPROVED ADDRESSABLE TYPE.	10. ALL FIRE ALARM WIRING SHALL BE IN CONDUIT.
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.	11. UPON ACTIVATION OF A DUCT SMOKE DETECTOR, ALL MECHANICAL EQUIPMENT SHALL SHUT DOWN.
6. COORDINATE ALL WORK WITH LOCAL FIRE MARSHALL PRIOR TO BID.	12. RTU REMOTE TEST STATIONS SHALL HAVE LED INDICATOR.
	13. 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.

GENERAL NOTES	
1. THIS INSTALLATION SHALL BE IN COMPLIANCE WITH THE 2011 NEC AND ALL APPLICABLE LOCAL CODES.	16. 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.
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.	17. ALL BRANCH CIRCUITS SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR INSTALLED. COLOR OF NEUTRAL CONDUCTOR SHALL BE WHITE.
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.	18. 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.
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.	19. SPECIAL RECEPTABLES PLUS CONFIGURATION REQUIREMENTS SHALL BE COORDINATED WITH EQUIPMENT PLUG REQUIREMENTS PRIOR TO INSTALLATION.
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.	20. ALL FEEDER AND BRANCH CIRCUIT WIRING INSTALLED INDOORS SHALL USE THHN INSULATION. ALL WIRING INSTALLED OUTDOORS SHALL USE THWN INSULATION. REFER TO SPECIFICATION DOCUMENTS FOR COLOR CODED REQUIREMENTS.
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.	21. ALL POWER WIRING SHALL BE INSTALLED IN A DEDICATED RACEWAY SYSTEM. MINIMUM RACEWAY SIZE SHALL BE 3/4" UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL SIZE ALL CONDUITS SO AS TO NOT EXCEED 40% OF CONDUIT FILLING CAPACITY PER LOCAL CODE.
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.	22. ALL PULL BOXES AND JUNCTION BOXES SHALL BE SIZED PER NEC. BASED IN THE AMOUNT OF CABLE AND CONDUITS ENTERING/LEAVING THE BOX.
8. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE APPLICABLE CODES AND REGULATIONS.	23. ALL BREAKERS SERVING FIRE ALARM AND EXIT SIGNS EQUIPMENT SHALL BE KEY-LOCK STYLE.
9. ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.	24. 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 ARE NOT ACCEPTABLE.
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.	25. ALL FINAL CONNECTIONS TO MOTORS AND VIBRATING EQUIPMENT SHALL BE DONE WITH LIQUID TIGHT FLEXIBLE METAL CONDUIT. INSTALL GREEN GROUNDING CONDUCTOR.
11. FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS.	26. E.C. SHALL COORDINATE WITH HVAC CONTRACTOR EXACT POINT OF CONNECTION TO MECHANICAL UNIT PRIOR TO ROUGH-IN. E.C. SHALL ALSO VERIFY EXACT BREAKER SIZE AND WIRING WITH APPROVED MECHANICAL UNITS SHOP DRAWINGS PRIOR TO INSTALLATION.
12. ADJACENT POWER AND DATA/TELE DEVICES SHALL BE SPACED NO MORE THAN 4" APART. PROVIDE JUNCTION BOX MOUNTING BRACKET BETWEEN STUDS AS NEEDED.	27. SERVICE EQUIPMENT, BRANCH CIRCUIT PANELBOARDS, METER SOCKETS SHALL HAVE AN "ARC-FLASH HAZARD WARNING" LABEL INSTALLED. LABEL SHALL BE CLEARLY VISIBLE TO PERSONNEL.
13. ALL RECEPTABLES, 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.	28. SERVICE EQUIPMENT AND PANELBOARDS SHALL BE LABEL WITH A READILY VISIBLE LABEL PER NFPA STANDARD FOR SAFETY IN THE WORKPLACE. LABEL SHALL READ "CAUTION ARC FLASH HAZARD". SIZE AND COLOR OF TEXT SHALL BE PER STANDARD.
14. ALL FIRE ALARM NOTIFICATION DEVICES SHALL BE MOUNTED AT 80" AFF IN ACCORDANCE WITH ADA, UNLESS OTHERWISE NOTED.	29. ALL EQUIPMENT INSTALLED OUTSIDE SHALL BE WEATHER PROOF RATED. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.
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.	30. INSTALL CONDUIT FROM THE TOP OF THE BAR JOIST.
	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" FOR MECHANICAL THERMOSTAT. COORDINATE FINAL 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.

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ELECTRICAL SYMBOLS	
	DUPLEX RECEPTACLE, # INDICATES CIRCUIT TP: TAMPER RESISTANT WP: WEATHER PROOF GF: GROUND FAULT INTERRUPT
	ABOVE COUNTER DUPLEX RECEPTACLE, MOUNT AT +4" ABOVE COUNTER, UNLESS NOTED OTHERWISE
	SIMPLEX RECEPTACLE
	QUADPLEX RECEPTACLE (# INDICATES CIRCUIT)
	SPECIAL RECEPTACLE
	HEAVY DUTY DISCONNECT SWITCH
	TELE/DATA OUTLET, INDICATES (1) DATA DROP & (1) PHONE DROP
	ABOVE COUNTER TELE/DATA OUTLET, MOUNT AT +40" AFF UNLESS NOTED OTHERWISE
	TV COAX WITH CAT6 PAIR
	JUNCTION BOX
	POWER POLE
	CARD READER
	DUAL TECH WALL MOUNTED OCCUPANCY SENSOR WITH AUTO-ON/AUTO-OFF FUNCTION
	DUAL TECH WALL MOUNTED OCCUPANCY SENSOR WITH MANUAL-ON/AUTO-OFF FUNCTION
	OVERRIDE SWITCH FOR CEILING OCCUPANCY SENSORS
	TOGGLE SWITCH
	3-WAY TOGGLE SWITCH
	DIMMER SWITCH
	MOMENTARY CONTACT CONTROL SWITCH ON-CENTER-OFF POSITION SPDT
	CEILING MOUNTED OCCUPANCY SENSOR
	3/4" STUB UP TO ABOVE ACCESSIBLE CEILING WITH END BUSHING
	CONDUIT CONCEALED IN WALL/ABOVE THE CEILING
	CONDUIT IN CONCRETE SLAB/UNDERGROUND
	CEILING MOUNTED SPEAKER
	SECURITY DOOR CONTACT (PREPARE DOOR, ROUGH-IN ONLY UP TO ABOVE ACCESSIBLE CEILING)
	SINGLE POLE DISCONNECT SWITCH TOGGLE STYLE
	MOTOR WITH MOTOR RATED DISCONNECT SWITCH.
	WIRELESS ACCESS POINT
	DAYLIGHT HARVEST SENSOR
	ELECTRICAL PANEL

FIRE ALARM SYMBOLS	
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM DOUBLE ACTION PULL STATION
	FIRE ALARM WALL MOUNTED STROBE
	FIRE ALARM WALL MOUNTED HORN/STROBE
	FIRE ALARM HEAT DETECTOR (SEE DRAWINGS FOR TYPE) 135FIX, 200FIX, RATE OF RISE (ROR)
	KNOX BOX
	RESET/TEST SWITCH FOR RTU DUCT DETECTOR
	DUCT DETECTOR
	FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR
	FIRE ALARM CARBON MONOXIDE DETECTOR

ELECTRICAL DRAWING LIST	
E0.0	- GENERAL NOTES & SYMBOLS
E0.1	- SITE LIGHTING & PHOTOMETRIC PLANS-ELECTRICAL
E1.1	- 6 UNIT BLDG 1ST FLOOR PLAN-ELECTRICAL
E1.2	- 6 UNIT BLDG 2ND & 3RD FLOOR PLANS-ELECTRICAL
E2.1	- 12 UNIT BLDG 1ST FLOOR PLAN-ELECTRICAL
E2.2	- 12 UNIT BLDG 2ND & 3RD FLOOR PLANS-ELECTRICAL
E3.1	- TYPICAL RISER DIAGRAM
E3.2	- TYPICAL ELECTRICAL PANEL SCHEDULES

INTERIOR ELECTRICAL MOUNTING HEIGHTS	
SWITCHES (@TYPICAL WALL)	46"
SWITCHES (@KITCHEN COUNTER)	44" (SEE NOTE 5)
TELEPHONE/TV OUTLETS (@TYPICAL WALL)	12"
TELEPHONE OUTLETS (@KITCHEN COUNTER)	44" (SEE NOTES 2,5)
OUTLETS (@TYPICAL WALL)	12"
OUTLETS (@KITCHEN COUNTER)	44" (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)
TELEPHONE & CATV TERMINAL CABINET	60"
SMOKE AND CO DETECTORS	CEILING
HVI DEVICES OR BOXES	96"
VANITY LIGHT FIXTURE	80"
ALARM KEYPAD	46" (SEE NOTE 1)
GATEWAY BOX	SHELF HEIGHT (SEE NOTE 6)

MOUNTING SCHEDULE NOTES:
(#) INDICATES NOTE NUMBER. ALL HEIGHTS ARE FROM FLOOR ELEVATION TO CENTERLINE OF DEVICE 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.

- TO TOP BUTTON/BREAKER ON PANEL
- DEVICE MOUNTED HORIZONTALLY
- COORDINATE WITH LOCATION OF MEDICINE CABINET. LOCATE AS CLOSE AS POSSIBLE TO MEDICINE CABINET (WITHOUT INTERFERENCE).
- OPERATING BUTTONS HEIGHT TO NOT EXCEED 48" AFF.
- IN ALL ANS1 UNITS, LOCATE MINIMUM OF 3'-0" AWAY FROM INSIDE CORNER OF KITCHEN
- COORDINATE SHELF HEIGHT WITH ARCHITECTURAL ELEVATIONS.

LIGHTING FIXTURE SCHEDULE							
TAG	FIXTURE TYPE	VOLTS	LAMPS		MOUNTING	MANUFACTURER & CATALOG # OR APPROVED EQUAL	LOCATION & DESCRIPTION
			#	TYPE			
F1	LED	120V	-	LED	22.4W	FATON-PORTFOLIO LDBA-15-DO-TOTE-ERMGA-15-8-30-6LM0-LI	6" RECESSED LIGHT IN UNIT CEILING. ENERGY STAR RATED.
F2	LED	120V	-	LED	12.5W	LITHONIA LIGHTING UCLD-24IN-30K-90CRI-SWR-WH	2'-0" TASK LIGHT WITH TOGGLE SWITCH. ENERGY STAR RATED.
F3	FLUOR.	120V	2	T8 MED BI-PIN	25W	SEAGULL LIGHTING 49023LE-15	3'-0" CLOSET LIGHT. ENERGY STAR RATED.
F4	LED	120V	-	LED	21.7W	METALUX AP SERIES-FMLED FM-LED-16-WH-830-PR	16" D GARAGE LIGHT. ENERGY STAR RATED.
F5	LED	UNV	-	LED	43.6W	INDY LIGHTING LAMP: LC4-C-28-30-U-W-G3 *FOR EM FIXTURES, ADD -BR OPTICS: L400P-C-L-WH ACCESSORIES: C-18-C-W	EXTERIOR CYLINDER PENDANT LIGHT AT UNIT ENTRY. ENERGY STAR RATED *FOR EM FIXTURES USE EMERGENCY BATTERY PACK W/ INTEGRAL TEST SWITCH.
F6	LED	120V	1	FLUOR GU24 CFL	13W	SEAGULL LIGHTING 8547901BLE-12	EXTERIOR WALL MOUNTED LIGHT AT BALCONIES. SAFETY LISTED FOR WET LOCATIONS. PROVIDE ENERGY-STAR RATED LAMPS
F7	NOT USED	-	-	-	-	-	-
F8	LED	UNV	-	LED	43W	METALUX AP SERIES 4SLSTP4040DD-UNV	4'-0" BACK OF HOUSE STRIP LIGHT. ENERGY STAR RATED.
F9	LED	UNV	-	LED	72W	LITHONIA LIGHTING DSXO LED-20C-1000-30K-T4M-MVOLT-HS	PARKING LOT LIGHTING.
F10	LED	UNV	-	LED	39W	LITHONIA LIGHTING TWR1-3-40K-MVOLT-PE	WALL PACK.
F11	LED	UNV	-	LED	39W	HOLOPHONE WFLCZ-035HO-30K-AS-BK-L2-S-PCS	RESIDENTIAL STREET LIGHTING.
	MR16	120V	2	MR16 12W	24W	PHILIPS CHLORIDE-CM-25750 65X6N24W12	EMERGENCY BATTERY PACK.
	LED	120V	-	LED	5W	PHILIPS CHLORIDE SURE-LITES 44R-LU SERIES CE-10400	EMERGENCY EXIT SIGN.



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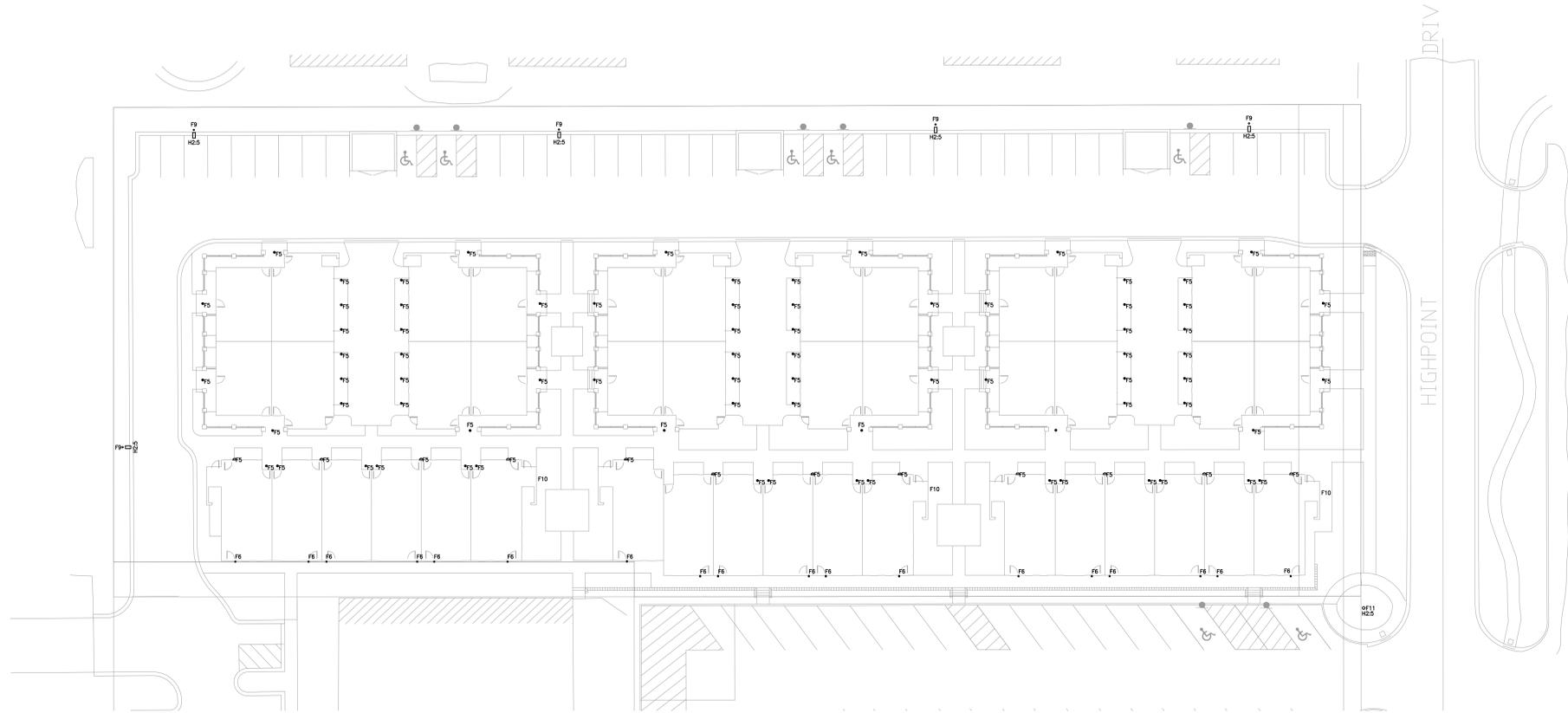
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SHEET TITLE
SITE LIGHTING & PHOTOMETRIC PLANS-ELECTRICAL

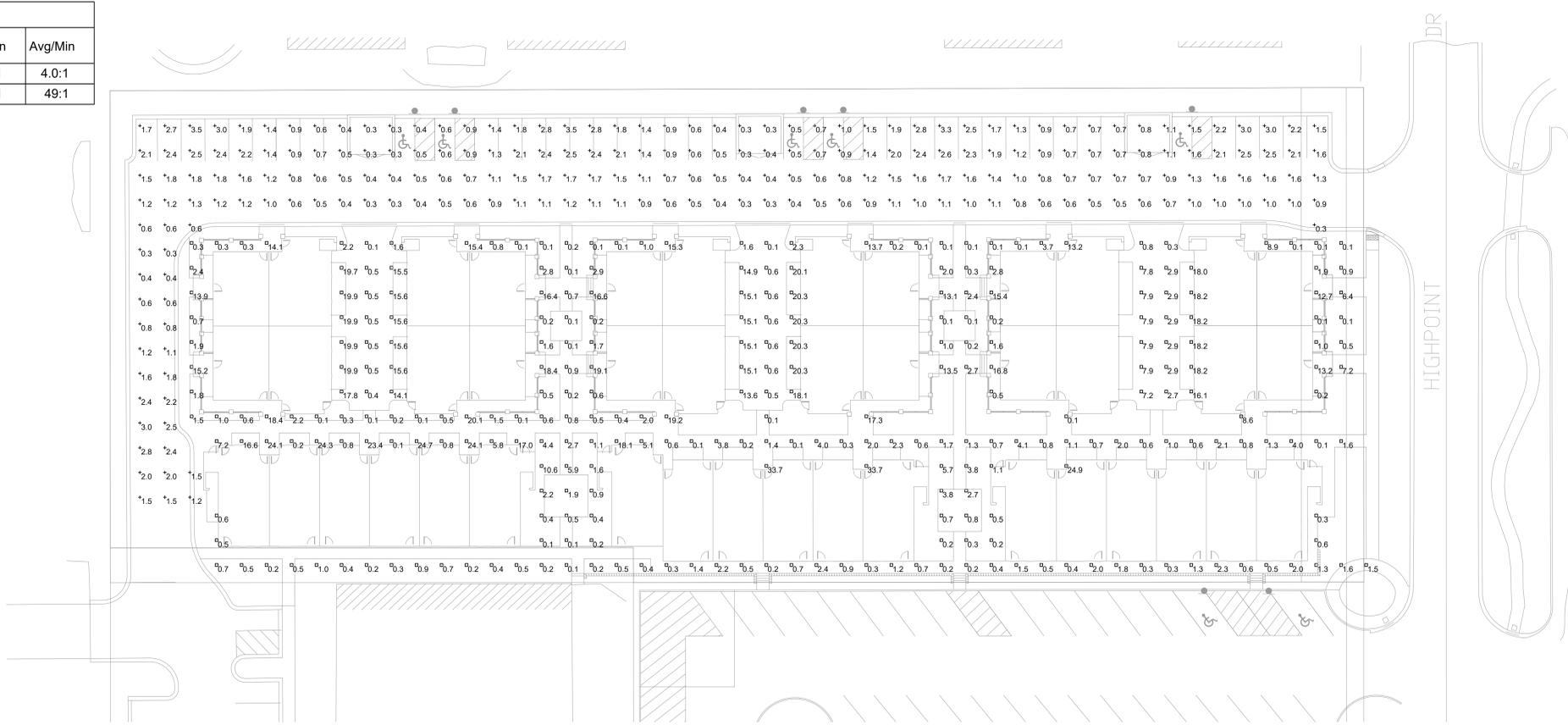
SHEET NO.
E0.1



SITE LIGHTING PLAN

SCALE: 1/24"=1'-0"

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot	+	1.2 fc	3.5 fc	0.3 fc	11.7:1	4.0:1
Properties	□	4.9 fc	33.7 fc	0.1 fc	337:1	49:1



PHOTOMETRIC PLAN

SCALE: 1/24"=1'-0"



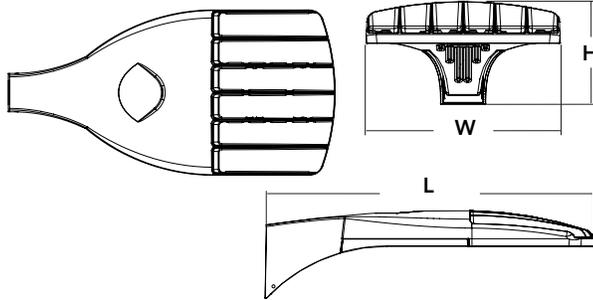
D-Series Size 0 LED Area Luminaire



d#series

Specifications

EPA:	0.95 ft ² (.09 m ²)
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

Type

Hit the Tab key or mouse over the page to see all interactive elements.

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 65% and expected service life of over 100,000 hours.

Ordering Information

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

DSX0 LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
	DSX0 LED	Forward optics 20C 20 LEDs (one engine) 40C 40 LEDs (two engines) Rotated optics¹ 30C 30 LEDs (one engine)	530 530 mA 700 700 mA 1000 1000 mA (1 A) ²	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted ³	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 Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control ^{2,4} LCCO Left corner cutoff ^{2,4} RCCO Right corner cutoff ^{2,4}	MVOLT ⁵ 120 ⁵ 208 ⁵ 240 ⁵ 277 ⁵ 347 ⁶ 480 ⁶	Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor ⁷ RPUMBA Round pole universal mounting adaptor ⁷ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁸

Control options	Other options	Finish (required)
Shipped installed PER NEMA twist-lock receptacle only (no controls) ⁹ PER5 Five-wire receptacle only (no controls) ^{9,10} PER7 Seven-wire receptacle only (no controls) ^{9,10} DMG 0-10V dimming driver (no controls) ¹¹ DCR Dimmable and controllable via ROAM [®] (no controls) ¹² PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ¹³ PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ¹³ PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ¹³	Shipped installed HS House-side shield ¹⁸ SF Single fuse (120, 277, 347V) ¹⁹ DF Double fuse (208, 240, 480V) ¹⁹ L90 Left rotated optics ¹ R90 Right rotated optics ¹ DDL Diffused drop lens ¹⁸ BS Bird spikes	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Controls & Shields

DL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁰
DL1347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁰
DL1480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁰
DSH0T SBK U	Shorting cap ²⁰
DSX0HS 20C U	House-side shield for 20 LED unit ¹⁸
DSX0HS 30C U	House-side shield for 30 LED unit ¹⁸
DSX0HS 40C U	House-side shield for 40 LED unit ¹⁸
DSX0DDL U	Diffused drop lens (polycarbonate) ¹⁷
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish) ⁷
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁸

NOTES

- 30 LEDs (30C option) and rotated options (L90 or R90) only available together.
- Not available with AMBPC.
- Only available with 530mA or 700mA.
- Not available with HS or DDL.
- MVOLT 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, 530mA product (20C 530 or 30C 530). Not available with BL30, 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 accessories.
- If ROAM[®] node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
- 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, PER5, PER7, BL30, BL50 or PNMT options. Node without integral dimming.

- 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 PER5 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.
- Dimming driver standard. Not available with PER5, PER7, DMG, DCR, BL30, BL50, PNMT, PIR, PIRH, PIR1FC3V and PIRH1FC3V.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- For retrofit use only.

Accessories
Ordered and shipped separately.

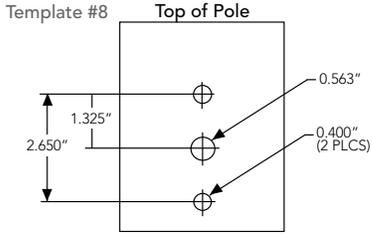
For more control options, visit [DTL](#) and [ROAM](#) online.



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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 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**For round pole mounting (RPA) only.

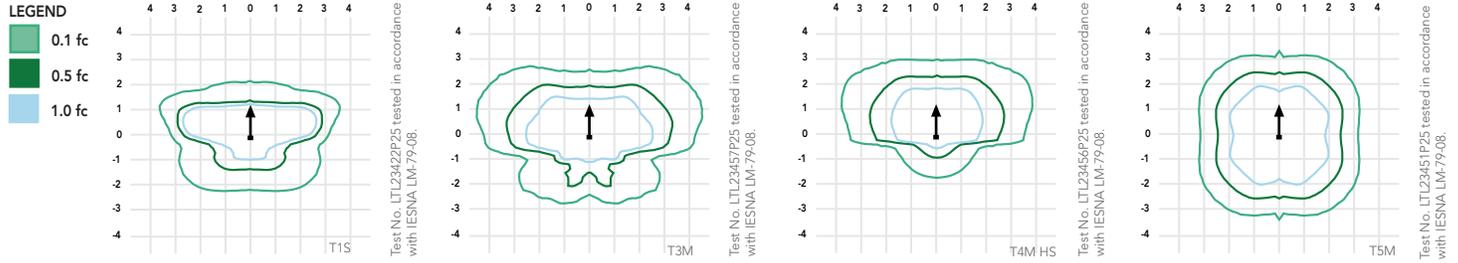
Tenon Mounting Slipfitter**

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

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		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

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
20C	530	35	0.34	0.22	0.21	0.20	--	--
	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
30C	530	52	0.51	0.31	0.28	0.25	--	--
	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
40C	530	68	0.71	0.41	0.36	0.33	0.25	0.19
	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
Lumen Maintenance Factor	DSX0 LED 20C 1000			
	1	0.98	0.96	0.93
	DSX0 LED 40C 1000			
	1	0.98	0.95	0.90
	DSX0 LED 40C 700			
	1	0.99	0.99	0.99

Performance Data

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																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)				40K (4000 K, 70 CRI)				50K (5000 K, 70 CRI)				AMBPC (Amber Phosphor Converted)							
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	530 mA	35 W	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
			FTM	4,135	1	0	1	118	4,440	1	0	2	127	4,468	1	0	2	128	2,540	1	0	1	73
			TSVS	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
			TSW	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					
	LCCO	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		
	FTM	5,252	1	0	2	117	5,640	1	0	2	125	5,675	1	0	2	126	3,143	1	0	1	70		
	TSVS	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		
	TSW	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							
	LCCO	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							
	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							
	T2M	7,138	1	0	2	99	7,665	2	0	2	106	7,713	2	0	2	107							
	T3S	7,129	1	0	1	99	7,656	2	0	2	106	7,704	2	0	2	107							
	T3M	7,194	1	0	2	100	7,725	2	0	2	107	7,773	2	0	2	108							
	T4M	7,292	1	0	2	101	7,830	2	0	2	109	7,879	2	0	2	109							
	FTM	7,183	1	0	2	100	7,713	1	0	2	107	7,761	1	0	2	108							
	TSVS	7,588	2	0	0	105	8,148	3	0	0	113	8,199	3	0	0	114							
T5S	7,644	2	0	0	106	8,208	2	0	0	114	8,259	2	0	0	115								
T5M	7,657	3	0	1	106	8,222	3	0	1	114	8,274	3	0	1	115								
TSW	7,545	3	0	1	105	8,102	3	0	2	113	8,153	3	0	2	113								
BLC	5,162	1	0	1	72	5,543	1	0	2	77	5,578	1	0	1	77								
LCCO	5,015	1	0	2	70	5,386	1	0	2	75	5,419	1	0	2	75								
RCCO	5,015	1	0	2	70	5,386	1	0	2	75	5,419	1	0	2	75								

Performance Data

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																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40C (40 LEDs)	530 mA	68 W	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
			FTM	8,035	1	0	2	118	8,628	2	0	2	127	8,682	2	0	2	128	4,876	1	0	2	72
			TSVS	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
			TSW	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					
			LCCO	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		
	FTM	10,205	2	0	2	112	10,958	2	0	3	120	11,027	2	0	3	121	6,203	1	0	2	68		
	TSVS	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		
	TSW	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							
	LCCO	7,596	1	0	2	83	8,157	1	0	2	90	8,208	1	0	2	90							
	RCCO	7,596	1	0	2	83	8,157	1	0	2	90	8,208	1	0	2	90							
	T1S	13,767	2	0	2	100	14,783	3	0	3	107	14,876	3	0	3	108							
	T2S	14,194	2	0	2	103	15,242	3	0	3	110	15,338	3	0	3	111							
	T2M	13,869	2	0	2	101	14,893	3	0	3	108	14,986	3	0	3	109							
	T3S	13,852	2	0	2	100	14,875	2	0	2	108	14,968	2	0	2	108							
	T3M	13,978	2	0	2	101	15,010	3	0	3	109	15,104	3	0	3	109							
	T4M	14,168	2	0	2	103	15,214	3	0	3	110	15,309	3	0	3	111							
	FTM	13,956	2	0	3	101	14,987	2	0	3	109	15,080	2	0	3	109							
	TSVS	14,744	3	0	1	107	15,832	3	0	1	115	15,931	4	0	1	115							
	T5S	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							
	TSW	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

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				<table border="1"> <tr> <td rowspan="28">30C (30 LEDs)</td> <td rowspan="14">530 mA</td> <td rowspan="14">52 W</td> <td>T1S</td><td>6,130</td><td>2</td><td>0</td><td>2</td><td>118</td><td>6,583</td><td>2</td><td>0</td><td>2</td><td>127</td><td>6,624</td><td>2</td><td>0</td><td>2</td><td>127</td><td>3,841</td><td>2</td><td>0</td><td>2</td><td>74</td> </tr> <tr> <td>T2S</td><td>6,321</td><td>2</td><td>0</td><td>2</td><td>122</td><td>6,787</td><td>2</td><td>0</td><td>2</td><td>131</td><td>6,830</td><td>3</td><td>0</td><td>3</td><td>131</td><td>3,912</td><td>2</td><td>0</td><td>2</td><td>75</td> </tr> <tr> <td>T2M</td><td>6,176</td><td>2</td><td>0</td><td>2</td><td>119</td><td>6,632</td><td>3</td><td>0</td><td>3</td><td>128</td><td>6,673</td><td>3</td><td>0</td><td>3</td><td>128</td><td>3,837</td><td>2</td><td>0</td><td>2</td><td>74</td> </tr> <tr> <td>T3S</td><td>6,168</td><td>2</td><td>0</td><td>2</td><td>119</td><td>6,624</td><td>3</td><td>0</td><td>3</td><td>127</td><td>6,665</td><td>3</td><td>0</td><td>3</td><td>128</td><td>3,866</td><td>2</td><td>0</td><td>2</td><td>74</td> </tr> <tr> <td>T3M</td><td>6,224</td><td>3</td><td>0</td><td>3</td><td>120</td><td>6,684</td><td>3</td><td>0</td><td>3</td><td>129</td><td>6,726</td><td>3</td><td>0</td><td>3</td><td>129</td><td>3,904</td><td>2</td><td>0</td><td>2</td><td>75</td> </tr> <tr> <td>T4M</td><td>6,309</td><td>3</td><td>0</td><td>3</td><td>121</td><td>6,775</td><td>3</td><td>0</td><td>3</td><td>130</td><td>6,817</td><td>3</td><td>0</td><td>3</td><td>131</td><td>3,884</td><td>2</td><td>0</td><td>2</td><td>75</td> </tr> <tr> <td>TFTM</td><td>6,215</td><td>3</td><td>0</td><td>3</td><td>120</td><td>6,673</td><td>3</td><td>0</td><td>3</td><td>128</td><td>6,715</td><td>3</td><td>0</td><td>3</td><td>129</td><td>3,839</td><td>2</td><td>0</td><td>2</td><td>74</td> </tr> <tr> <td>TSVS</td><td>6,565</td><td>2</td><td>0</td><td>0</td><td>126</td><td>7,050</td><td>2</td><td>0</td><td>0</td><td>136</td><td>7,094</td><td>2</td><td>0</td><td>0</td><td>136</td><td>4,005</td><td>2</td><td>0</td><td>0</td><td>77</td> </tr> <tr> <td>T5S</td><td>6,613</td><td>2</td><td>0</td><td>0</td><td>127</td><td>7,102</td><td>2</td><td>0</td><td>0</td><td>137</td><td>7,146</td><td>2</td><td>0</td><td>0</td><td>137</td><td>4,065</td><td>2</td><td>0</td><td>0</td><td>78</td> </tr> <tr> <td>T5M</td><td>6,625</td><td>3</td><td>0</td><td>1</td><td>127</td><td>7,114</td><td>3</td><td>0</td><td>1</td><td>137</td><td>7,159</td><td>3</td><td>0</td><td>1</td><td>138</td><td>4,017</td><td>2</td><td>0</td><td>1</td><td>77</td> </tr> <tr> <td>TSW</td><td>6,528</td><td>3</td><td>0</td><td>1</td><td>126</td><td>7,010</td><td>3</td><td>0</td><td>2</td><td>135</td><td>7,054</td><td>3</td><td>0</td><td>2</td><td>136</td><td>4,025</td><td>3</td><td>0</td><td>1</td><td>77</td> </tr> <tr> <td>BLC</td><td>4,747</td><td>2</td><td>0</td><td>2</td><td>91</td><td>5,098</td><td>2</td><td>0</td><td>2</td><td>98</td><td>5,130</td><td>2</td><td>0</td><td>2</td><td>99</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>LCCO</td><td>4,612</td><td>1</td><td>0</td><td>2</td><td>89</td><td>4,953</td><td>1</td><td>0</td><td>2</td><td>95</td><td>4,984</td><td>1</td><td>0</td><td>2</td><td>96</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>RCCO</td><td>4,612</td><td>1</td><td>0</td><td>2</td><td>89</td><td>4,953</td><td>1</td><td>0</td><td>2</td><td>95</td><td>4,984</td><td>1</td><td>0</td><td>2</td><td>96</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td rowspan="14">700 mA</td> <td rowspan="14">70 W</td> <td>T1S</td><td>7,786</td><td>2</td><td>0</td><td>2</td><td>111</td><td>8,361</td><td>3</td><td>0</td><td>3</td><td>119</td><td>8,413</td><td>3</td><td>0</td><td>3</td><td>120</td><td>4,783</td><td>2</td><td>0</td><td>2</td><td>68</td> </tr> <tr> <td>T2S</td><td>8,028</td><td>2</td><td>0</td><td>2</td><td>115</td><td>8,620</td><td>3</td><td>0</td><td>3</td><td>123</td><td>8,674</td><td>3</td><td>0</td><td>3</td><td>124</td><td>4,873</td><td>2</td><td>0</td><td>2</td><td>70</td> </tr> <tr> <td>T2M</td><td>7,844</td><td>3</td><td>0</td><td>3</td><td>112</td><td>8,423</td><td>3</td><td>0</td><td>3</td><td>120</td><td>8,476</td><td>3</td><td>0</td><td>3</td><td>121</td><td>4,779</td><td>2</td><td>0</td><td>2</td><td>68</td> </tr> <tr> <td>T3S</td><td>7,834</td><td>3</td><td>0</td><td>3</td><td>112</td><td>8,413</td><td>3</td><td>0</td><td>3</td><td>120</td><td>8,465</td><td>3</td><td>0</td><td>3</td><td>121</td><td>4,815</td><td>2</td><td>0</td><td>2</td><td>69</td> </tr> <tr> <td>T3M</td><td>7,905</td><td>3</td><td>0</td><td>3</td><td>113</td><td>8,489</td><td>3</td><td>0</td><td>3</td><td>121</td><td>8,542</td><td>3</td><td>0</td><td>3</td><td>122</td><td>4,862</td><td>3</td><td>0</td><td>3</td><td>69</td> </tr> <tr> <td>T4M</td><td>8,013</td><td>3</td><td>0</td><td>3</td><td>114</td><td>8,604</td><td>3</td><td>0</td><td>3</td><td>123</td><td>8,658</td><td>3</td><td>0</td><td>3</td><td>124</td><td>4,837</td><td>3</td><td>0</td><td>3</td><td>69</td> </tr> <tr> <td>TFTM</td><td>7,893</td><td>3</td><td>0</td><td>3</td><td>113</td><td>8,476</td><td>3</td><td>0</td><td>3</td><td>121</td><td>8,529</td><td>3</td><td>0</td><td>3</td><td>122</td><td>4,781</td><td>3</td><td>0</td><td>3</td><td>68</td> </tr> <tr> <td>TSVS</td><td>8,338</td><td>2</td><td>0</td><td>0</td><td>119</td><td>8,954</td><td>3</td><td>0</td><td>0</td><td>128</td><td>9,010</td><td>3</td><td>0</td><td>0</td><td>129</td><td>4,988</td><td>2</td><td>0</td><td>0</td><td>71</td> </tr> <tr> <td>T5S</td><td>8,400</td><td>2</td><td>0</td><td>0</td><td>120</td><td>9,020</td><td>3</td><td>0</td><td>1</td><td>129</td><td>9,076</td><td>3</td><td>0</td><td>1</td><td>130</td><td>5,063</td><td>2</td><td>0</td><td>0</td><td>72</td> </tr> <tr> <td>T5M</td><td>8,414</td><td>3</td><td>0</td><td>1</td><td>120</td><td>9,036</td><td>3</td><td>0</td><td>2</td><td>129</td><td>9,092</td><td>3</td><td>0</td><td>2</td><td>130</td><td>5,003</td><td>3</td><td>0</td><td>1</td><td>71</td> </tr> <tr> <td>TSW</td><td>8,291</td><td>3</td><td>0</td><td>2</td><td>118</td><td>8,903</td><td>3</td><td>0</td><td>2</td><td>127</td><td>8,959</td><td>3</td><td>0</td><td>2</td><td>128</td><td>5,013</td><td>3</td><td>0</td><td>1</td><td>72</td> </tr> <tr> <td>BLC</td><td>6,044</td><td>2</td><td>0</td><td>2</td><td>86</td><td>6,490</td><td>3</td><td>0</td><td>3</td><td>93</td><td>6,530</td><td>3</td><td>0</td><td>3</td><td>93</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>LCCO</td><td>5,872</td><td>1</td><td>0</td><td>2</td><td>84</td><td>6,305</td><td>1</td><td>0</td><td>2</td><td>90</td><td>6,345</td><td>1</td><td>0</td><td>2</td><td>91</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>RCCO</td><td>5,872</td><td>1</td><td>0</td><td>2</td><td>84</td><td>6,305</td><td>1</td><td>0</td><td>2</td><td>90</td><td>6,345</td><td>1</td><td>0</td><td>2</td><td>91</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td rowspan="14">1000 mA</td> <td rowspan="14">104 W</td> <td>T1S</td><td>10,648</td><td>3</td><td>0</td><td>3</td><td>102</td><td>11,434</td><td>3</td><td>0</td><td>3</td><td>110</td><td>11,506</td><td>3</td><td>0</td><td>3</td><td>111</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>T2S</td><td>10,979</td><td>3</td><td>0</td><td>3</td><td>106</td><td>11,789</td><td>3</td><td>0</td><td>3</td><td>113</td><td>11,863</td><td>3</td><td>0</td><td>3</td><td>114</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>T2M</td><td>10,727</td><td>3</td><td>0</td><td>3</td><td>103</td><td>11,519</td><td>3</td><td>0</td><td>3</td><td>111</td><td>11,591</td><td>3</td><td>0</td><td>3</td><td>111</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>T3S</td><td>10,714</td><td>3</td><td>0</td><td>3</td><td>103</td><td>11,505</td><td>3</td><td>0</td><td>3</td><td>111</td><td>11,577</td><td>3</td><td>0</td><td>3</td><td>111</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>T3M</td><td>10,812</td><td>3</td><td>0</td><td>3</td><td>104</td><td>11,610</td><td>4</td><td>0</td><td>4</td><td>112</td><td>11,682</td><td>4</td><td>0</td><td>4</td><td>112</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>T4M</td><td>10,958</td><td>3</td><td>0</td><td>3</td><td>105</td><td>11,767</td><td>3</td><td>0</td><td>3</td><td>113</td><td>11,841</td><td>3</td><td>0</td><td>3</td><td>114</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>TFTM</td><td>10,795</td><td>3</td><td>0</td><td>3</td><td>104</td><td>11,592</td><td>3</td><td>0</td><td>3</td><td>111</td><td>11,664</td><td>4</td><td>0</td><td>4</td><td>112</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>TSVS</td><td>11,404</td><td>3</td><td>0</td><td>0</td><td>110</td><td>12,245</td><td>3</td><td>0</td><td>1</td><td>118</td><td>12,322</td><td>3</td><td>0</td><td>1</td><td>118</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>T5S</td><td>11,487</td><td>3</td><td>0</td><td>1</td><td>110</td><td>12,336</td><td>3</td><td>0</td><td>1</td><td>119</td><td>12,413</td><td>3</td><td>0</td><td>1</td><td>119</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>T5M</td><td>11,508</td><td>3</td><td>0</td><td>2</td><td>111</td><td>12,357</td><td>4</td><td>0</td><td>2</td><td>119</td><td>12,434</td><td>4</td><td>0</td><td>2</td><td>120</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>TSW</td><td>11,339</td><td>4</td><td>0</td><td>2</td><td>109</td><td>12,176</td><td>4</td><td>0</td><td>2</td><td>117</td><td>12,252</td><td>4</td><td>0</td><td>2</td><td>118</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>BLC</td><td>7,981</td><td>3</td><td>0</td><td>3</td><td>77</td><td>8,570</td><td>3</td><td>0</td><td>3</td><td>82</td><td>8,624</td><td>3</td><td>0</td><td>3</td><td>83</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>LCCO</td><td>7754</td><td>1</td><td>0</td><td>2</td><td>75</td><td>8326</td><td>2</td><td>0</td><td>2</td><td>80</td><td>8378</td><td>2</td><td>0</td><td>2</td><td>81</td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>RCCO</td><td>7754</td><td>1</td><td>0</td><td>2</td><td>75</td><td>8326</td><td>2</td><td>0</td><td>2</td><td>80</td><td>8378</td><td>2</td><td>0</td><td>2</td><td>81</td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																					30C (30 LEDs)	530 mA	52 W	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	75	T2M	6,176	2	0	2	119	6,632	3	0	3	128	6,673	3	0	3	128	3,837	2	0	2	74	T3S	6,168	2	0	2	119	6,624	3	0	3	127	6,665	3	0	3	128	3,866	2	0	2	74	T3M	6,224	3	0	3	120	6,684	3	0	3	129	6,726	3	0	3	129	3,904	2	0	2	75	T4M	6,309	3	0	3	121	6,775	3	0	3	130	6,817	3	0	3	131	3,884	2	0	2	75	TFTM	6,215	3	0	3	120	6,673	3	0	3	128	6,715	3	0	3	129	3,839	2	0	2	74	TSVS	6,565	2	0	0	126	7,050	2	0	0	136	7,094	2	0	0	136	4,005	2	0	0	77	T5S	6,613	2	0	0	127	7,102	2	0	0	137	7,146	2	0	0	137	4,065	2	0	0	78	T5M	6,625	3	0	1	127	7,114	3	0	1	137	7,159	3	0	1	138	4,017	2	0	1	77	TSW	6,528	3	0	1	126	7,010	3	0	2	135	7,054	3	0	2	136	4,025	3	0	1	77	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						700 mA	70 W	T1S	7,786	2	0	2	111	8,361	3	0	3	119	8,413	3	0	3	120	4,783	2	0	2	68	T2S	8,028	2	0	2	115	8,620	3	0	3	123	8,674	3	0	3	124	4,873	2	0	2	70	T2M	7,844	3	0	3	112	8,423	3	0	3	120	8,476	3	0	3	121	4,779	2	0	2	68	T3S	7,834	3	0	3	112	8,413	3	0	3	120	8,465	3	0	3	121	4,815	2	0	2	69	T3M	7,905	3	0	3	113	8,489	3	0	3	121	8,542	3	0	3	122	4,862	3	0	3	69	T4M	8,013	3	0	3	114	8,604	3	0	3	123	8,658	3	0	3	124	4,837	3	0	3	69	TFTM	7,893	3	0	3	113	8,476	3	0	3	121	8,529	3	0	3	122	4,781	3	0	3	68	TSVS	8,338	2	0	0	119	8,954	3	0	0	128	9,010	3	0	0	129	4,988	2	0	0	71	T5S	8,400	2	0	0	120	9,020	3	0	1	129	9,076	3	0	1	130	5,063	2	0	0	72	T5M	8,414	3	0	1	120	9,036	3	0	2	129	9,092	3	0	2	130	5,003	3	0	1	71	TSW	8,291	3	0	2	118	8,903	3	0	2	127	8,959	3	0	2	128	5,013	3	0	1	72	BLC	6,044	2	0	2	86	6,490	3	0	3	93	6,530	3	0	3	93						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						1000 mA	104 W	T1S	10,648	3	0	3	102	11,434	3	0	3	110	11,506	3	0	3	111						T2S	10,979	3	0	3	106	11,789	3	0	3	113	11,863	3	0	3	114						T2M	10,727	3	0	3	103	11,519	3	0	3	111	11,591	3	0	3	111						T3S	10,714	3	0	3	103	11,505	3	0	3	111	11,577	3	0	3	111						T3M	10,812	3	0	3	104	11,610	4	0	4	112	11,682	4	0	4	112						T4M	10,958	3	0	3	105	11,767	3	0	3	113	11,841	3	0	3	114						TFTM	10,795	3	0	3	104	11,592	3	0	3	111	11,664	4	0	4	112						TSVS	11,404	3	0	0	110	12,245	3	0	1	118	12,322	3	0	1	118						T5S	11,487	3	0	1	110	12,336	3	0	1	119	12,413	3	0	1	119						T5M	11,508	3	0	2	111	12,357	4	0	2	119	12,434	4	0	2	120						TSW	11,339	4	0	2	109	12,176	4	0	2	117	12,252	4	0	2	118						BLC	7,981	3	0	3	77	8,570	3	0	3	82	8,624	3	0	3	83						LCCO	7754	1	0	2	75	8326	2	0	2	80	8378	2	0	2	81						RCCO	7754	1	0	2	75	8326	2	0	2	80	8378	2	0	2	81	
30C (30 LEDs)	530 mA	52 W	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	75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T2M	6,176	2	0	2	119	6,632	3	0	3	128	6,673	3	0	3	128	3,837	2	0	2	74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T3S	6,168	2	0	2	119	6,624	3	0	3	127	6,665	3	0	3	128	3,866	2	0	2	74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T3M	6,224	3	0	3	120	6,684	3	0	3	129	6,726	3	0	3	129	3,904	2	0	2	75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T4M	6,309	3	0	3	121	6,775	3	0	3	130	6,817	3	0	3	131	3,884	2	0	2	75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			TFTM	6,215	3	0	3	120	6,673	3	0	3	128	6,715	3	0	3	129	3,839	2	0	2	74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			TSVS	6,565	2	0	0	126	7,050	2	0	0	136	7,094	2	0	0	136	4,005	2	0	0	77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T5S	6,613	2	0	0	127	7,102	2	0	0	137	7,146	2	0	0	137	4,065	2	0	0	78																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T5M	6,625	3	0	1	127	7,114	3	0	1	137	7,159	3	0	1	138	4,017	2	0	1	77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			TSW	6,528	3	0	1	126	7,010	3	0	2	135	7,054	3	0	2	136	4,025	3	0	1	77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	700 mA	70 W	T1S	7,786	2	0	2	111	8,361	3	0	3	119	8,413	3	0	3	120	4,783	2	0	2	68																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T2S	8,028	2	0	2	115	8,620	3	0	3	123	8,674	3	0	3	124	4,873	2	0	2	70																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T2M	7,844	3	0	3	112	8,423	3	0	3	120	8,476	3	0	3	121	4,779	2	0	2	68																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T3S	7,834	3	0	3	112	8,413	3	0	3	120	8,465	3	0	3	121	4,815	2	0	2	69																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T3M	7,905	3	0	3	113	8,489	3	0	3	121	8,542	3	0	3	122	4,862	3	0	3	69																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T4M	8,013	3	0	3	114	8,604	3	0	3	123	8,658	3	0	3	124	4,837	3	0	3	69																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			TFTM	7,893	3	0	3	113	8,476	3	0	3	121	8,529	3	0	3	122	4,781	3	0	3	68																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			TSVS	8,338	2	0	0	119	8,954	3	0	0	128	9,010	3	0	0	129	4,988	2	0	0	71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T5S	8,400	2	0	0	120	9,020	3	0	1	129	9,076	3	0	1	130	5,063	2	0	0	72																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			T5M	8,414	3	0	1	120	9,036	3	0	2	129	9,092	3	0	2	130	5,003	3	0	1	71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			TSW	8,291	3	0	2	118	8,903	3	0	2	127	8,959	3	0	2	128	5,013	3	0	1	72																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			BLC	6,044	2	0	2	86	6,490	3	0	3	93	6,530	3	0	3	93																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1000 mA	104 W	T1S	10,648	3	0	3	102	11,434	3	0	3	110	11,506	3	0	3	111																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		T2S	10,979	3	0	3	106	11,789	3	0	3	113	11,863	3	0	3	114																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		T2M	10,727	3	0	3	103	11,519	3	0	3	111	11,591	3	0	3	111																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		T3S	10,714	3	0	3	103	11,505	3	0	3	111	11,577	3	0	3	111																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		T3M	10,812	3	0	3	104	11,610	4	0	4	112	11,682	4	0	4	112																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		T4M	10,958	3	0	3	105	11,767	3	0	3	113	11,841	3	0	3	114																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		TFTM	10,795	3	0	3	104	11,592	3	0	3	111	11,664	4	0	4	112																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		TSVS	11,404	3	0	0	110	12,245	3	0	1	118	12,322	3	0	1	118																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		T5S	11,487	3	0	1	110	12,336	3	0	1	119	12,413	3	0	1	119																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		T5M	11,508	3	0	2	111	12,357	4	0	2	119	12,434	4	0	2	120																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		TSW	11,339	4	0	2	109	12,176	4	0	2	117	12,252	4	0	2	118																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		BLC	7,981	3	0	3	77	8,570	3	0	3	82	8,624	3	0	3	83																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		LCCO	7754	1	0	2	75	8326	2	0	2	80	8378	2	0	2	81																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		RCCO	7754	1	0	2	75	8326	2	0	2	80	8378	2	0	2	81																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

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 ft²) 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® and Green Globes™ 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™ 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.

