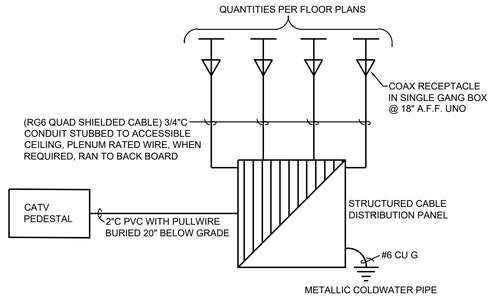
GENERAL NOTES ALL SHEETS

THE ELECTRICAL CONTRACTOR WILL PROVIDE A WALK THROUGH WITH THE OWNER/ARCHITECT PRIOR TO FINAL ROUGH-IN AS FOLLOWS:

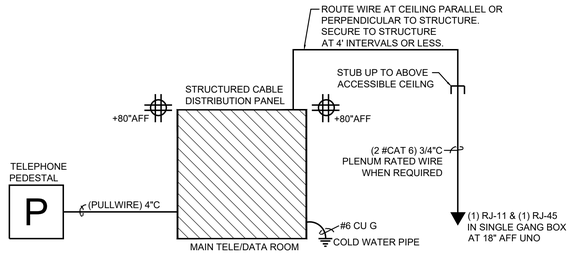
- CONFIRM ALL LOCATIONS FOR LIGHT SWITCHES; ADD THREE WAYS IF FOUND NECESSARY.
- REVIEW RECEPTACLE LOCATIONS; MOVE AS REQUIRED.PROVIDE UNIT PRICING IF ADDITIONAL RECEPTACLES ARE REQUIRED.
- REVIEW RECEPTACLE LOCATIONS AT COUNTERS AND CONFIRM IF THOSE RECEPTACLES SHOULD BE ABOVE COUNTER OR BELOW. MOVE AS REQUIRED.

IN GENERAL CONFIRM POWER AND LIGHTING REQUIREMENTS. THE ELECTRICIAN SHOULD BE PREPARED TO REWORK SOME DEVICE LOCATIONS. SIGNIFICANT REWORK SHOULD BE FLAGGED AND UNIT PRICING PROVIDED AND WRITTEN AUTHORIZATION FOR ADDITIONAL COSTS APPROVED PRIOR TO PROCEEDING.



CABLE TV ONE LINE DIAGRAM

NO SCALE



TELEPHONE ONE-LINE DIAGRAM

NO SCALE

TELEPHONE/COMPUTER ROUGH-IN

NO SCALE

ELECTRICAL LEGEND

(NOT ALL SYMBOLS REQUIRED FOR THIS PROJECT)

- RECESSED OR SURFACE DOWNLIGHT
- WALL MOUNTED LIGHT FIXTURE
- RECESSED FLUOR. LIGHT FIXTURE
- SURFACE FLUOR. LIGHT FIXTURE
- FIXTURE DESIGNATIONS: UPPER CASE - FIXTURE TYPE; LOWER CASE - SWITCH DESIGNATION
- SHADING ON FIXTURE INDICATES EMERG. BATTERY BACKUP
- FLUORESCENT STRIP FIXTURE
- TRACK LIGHT AS NOTED OR SCHEDULED
- WALL WASHER
- POLE-MOUNTED FIXTURE
- POST (BOLLARD) FIXTURE
- STEP LIGHT
- CEILING OR WALL MOUNTED EXIT LIGHT
- EMERGENCY BATTERY LIGHTS
- DUPLEX RECEPTACLE @ 18" UNLESS NOTED
- DOUBLE DUPLEX RECEPTACLE @ 18" UNLESS NOTED
- FLUSH FLOOR DUPLEX RECEPTACLE
- SPECIAL OUTLET AS NOTED
- DUPLEX RECEPTACLE HALF-SWITCHED @ 18" UNLESS NOTED
- POP-UP RECEPTACLE
- TELE-POWER POLE
- MULTI-OUTLET PLUG STRIP
- JUNCTION BOX IN FLOOR, CEILING OR IN WALL
- COMPUTER/TELEPHONE OUTLET IN FLOOR OR WALL
- TELEVISION OUTLET
- TELEPHONE BACKBOARD
- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING
- CIRCUIT HOMERUN
- CONDUIT RUN BELOW FLOOR OR GRADE
- CONDUIT STUB-UP - CAP & MARK
- LIGHT SWITCH AT 46" UNLESS NOTED
  SUBSCRIPTS:
  2 = 2-POLE SWITCH
  3 = 3-WAY SWITCH
  4 = 4-WAY SWITCH
  M = MOTION-OPERATED SWITCH
  K = KEY-OPERATED SWITCH
  TO = THERMAL OVERLOAD SWITCH
  P = SWITCH WITH PILOT LIGHT
- DIMMER SWITCH W/ WATTAGE
- PUSHBUTTON CONTROL STATION
- PHOTOELECTRIC CELL
- TIME SWITCH
- THERMOSTAT AT 60" UNLESS NOTED
- DIVISION 15 EQUIPMENT
- FOOD SERVICE EQUIPMENT

COMMUNICATION SYSTEM

- SPEAKER IN CEILING OR WALL
- VOLUME CONTROL AT 60" UNLESS NOTED
- MICROPHONE OUTLET IN FLOOR BOX OR WALL
- CALL-IN SWITCH
- PROGRAM BELL
- INTERCOM
- CLOCK
- AMPLIFIER

ABBREVIATIONS

AC	- ABOVE COUNTER
AFF	- ABOVE FINISHED FLOOR
AFG	- ABOVE FINISHED GRADE
AHJ	- AUTHORITY HAVING JURISDICTION
AL	- ALUMINUM
CU	- COPPER
EC	- ELECTRICAL CONTRACTOR
EM	- EMERGENCY
GC	- GENERAL CONTRACTOR
GND	- GROUND
GFI	- GROUND FAULT INTERRUPTER
MC	- MECHANICAL CONTRACTOR
NIC	- NOT IN CONTRACT
NL	- NIGHT LIGHT
NTS	- NOT TO SCALE
PC	- PLUMBING CONTRACTOR
REF	- REFERENCE
UG	- UNDERGROUND
UNO	- UNLESS NOTED OTHERWISE
UTP	- UNSHIELDED TWISTED PAIR
WP	- WEATHER PROOF
XFMR	- TRANSFORMER
+18"	- MOUNTING HEIGHT TO CENTERLINE OF DEVICE AFF OR AFG

FIRE ALARM SYSTEM

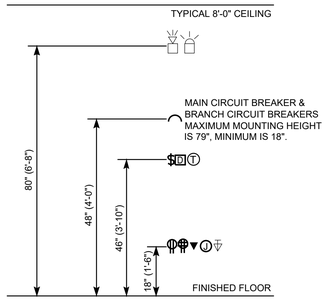
- FACP — FIRE ALARM CONTROL PANEL
- ANN — FIRE ALARM ANNUNCIATOR PANEL
- FIRE ALARM PULL STATION
- ALARM HORN OR SPEAKER
- COMBINATION HORN/STROBE OR SPEAKER/STROBE
- H — THERMAL HEAT DETECTOR
- I — SMOKE/IONIZATION DETECTOR
- P — PHOTOELECTRIC SMOKE DETECTOR
- H/P — HEAT/PHOTOELECTRIC SMOKE DETECTOR
- S R — DUCT DETECTOR
- SPRINKLER SYSTEM FLOW SWITCH
- SPRINKLER SYSTEM TAMPER SWITCH
- STROBE
- SMOKE/FIRE DAMPER CONNECTION
- REMOTE INDICATOR LIGHT

SECURITY SYSTEM

- DC — CONTACT DOOR SWITCH IN JAMB OR HINGE
- P — INTRUSION MOTION DETECTOR AS SPECIFIED, CORRIDOR/ROOM C OR R
- K — KEY-OPERATED ACCESS SWITCH
- SURVEILLANCE CAMERA

DISTRIBUTION EQUIPMENT SYMBOLS

- DISCONNECT SWITCH
- FUSES
- CIRCUIT BREAKER
- CURRENT TRANSFORMER
- TRANSFORMER
- M — METER
- MAGNETIC MOTOR STARTER
- DISCONNECT SWITCH
- PANELBOARD OR LOAD CENTER, FLUSH OR SURFACE MOUNTED
- SWITCHBOARD, MOTOR CONTROL CENTER OR DISTRIBUTION BOARD
- T — TRANSFORMER
- GROUND
- CIRCUIT BREAKER
- M — MOTOR OUTLET
- ATS — AUTOMATIC TRANSFER SWITCH



TYPICAL DEVICE MOUNTING HEIGHTS

NO SCALE

NOTES:

1. HEIGHTS SHOWN ARE TYPICAL TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
2. DEVICES ABOVE DOORS SHALL BE CENTERED BETWEEN TOP OF DOOR TRIM AND CEILING LINE.
3. MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL ELEVATIONS AND NOTED ON ELECTRICAL FLOOR PLANS SHALL GOVERN OVER THOSE SHOWN ABOVE.
4. FOR CEILING HEIGHTS HIGHER THAN 7'-2", INSTALL FIRE ALARM NOTIFICATION AUDIO AND VISUAL APPLIANCES AT 80" AFF OTHERWISE INSTALL AT 6" BELOW CEILING.
5. MOUNTING HEIGHTS PER IBC AND ADA CODES

ELECTRICAL SPECIFICATIONS

A. General Requirements

1. SCOPE: Furnish all materials and labor required to execute this work as indicated on drawing and as specified, as necessary to complete the contract. Electrical work shall include, but not limited to, these major items:
   A. Complete wiring system for new lighting and power as shown, including new panelboards, new conduits, new wires, new wiring devices, new control devices, etc. for a complete lighting and and power system.
      a. Complete feeder(s) installation as required for new and/or electrical apparatus as shown on single line diagram and drawings.
      b. Complete branch circuit wiring required for the connection of emergency lighting and exit signs to existing emergency stand by power system.
2. Complete provision, installation and connection of lighting fixtures, exit signs and lamps as specified and as shown on drawings.
3. Fire alarm system will be by electrical contractor.
4. Complete connection of HVAC/Plumbing motor(s), water heater(s), equipment, etc. furnish by mechanical - refer to both electrical and and mechanical drawing for scope and work and additinal information.
5. Provide grounding and bonding Facilities.
6. Complete all electrical demolition as required.
7. Core drilling and patching of existing building structure required for electrical work. Core drilling shall follow Building Standard procedures and contractor shall have written approvals from building owner prior to start of any work.
8. Test of entire system and work.
9. Operating, Maintenance and identification instructions manuals, if any.
10. PERMITS AND FEES: Obtain and pay for all necessary permits, inspections, examinations and fees or charges necessary for execution and completion of electrical work.
11. REGULATIONS AND CODES:
    A. Applicable codes: National Electric Code (2017) Conform to the prevailing edition and amendments thereto of the local jurisdiction's electrical code, pertinent NFPA publications and to the requirements of Federal, State or other City agencies having jurisdiction.
12. SHOP DRAWINGS AND SUBMITTAL:
    A. Contractor shall submit shop drawings for engineer review and approval.
    B. Shop drawing submittal shall include:
       1. Lighting fixtures.
       2. Panelboard(s).
13. CONDUIT AND WIRE:
    A. CONDUCTOR SIZES AND TYPES: For sizes #1/0 AWG and larger, use coppper THW or aluminum XHHW. For sizes #1 AWG and smaller, use only copper wire with 600V insulation, types TW, THHN, or THW - stranded in sizes #8 and larger, solid in sizes #10 and smaller. Control wiring shall be #14, stranded. Use type THHN for wires entering or passing through fluorescent lighting fixtures. All motors shall be wired with copper conductors only.
    B. MC cable permitted per local codes. Run hard pipe from panel to local junction box, and run MC cable from junction box to device.
    C. NM cable permitted per local codes and where installed as required in NEC 334.
14. ELECTRICAL DEVICES
    A. Convenience receptacles will be 20 amp or 15 amp, decora style. Finish per owner or architect. All dwelling unit receptacles to be tamper-resistant per NEC 406.11.
    B. Light switches will be 20amp or 15 amp, decora style. Finish per owner or architect.
    C. Dimming switches will be a minimum of 600W or as noted. Provide decora style, finish per owner or architect.
    D. All mounting heights will conform to ADA guidelines. Typical receptacle heights will be +18"AFF and switch heights will be +46"AFF unless noted otherwise.
    E. Provide GFI type receptacles at kitchens, bathrooms, garages, exterior etc. as required by NEC 210.8.
    F. Provide AFCI type receptacles at bedrooms, living rooms, dining rooms, hallways etc. as required by NEC 210.12.
    G. Exterior weather-proof receptacles in damp or wet locations shall adhere to the requirements shown in NEC 406.9.
15. SUPPORT
    A. Support all electrical equipment independent of accessible ceilings as required by NEC.
16. ELECTRICAL BOXES
    A. At fire rated wall, space electrical boxes at opposite sides of the wall no less than 24" horizontal distance.
    B. When phone, TV & power receptacles are shown on plan next to each other. Locate respective receptacles next to each other on site with no more than 1" separating cover plates.
17. METERING
    A. EC shall coordinate whether or not meters require lever bypass with local utility and provide all meters with a lever bypass when required.

B. Cat 6 Wiring Requirements

A. The cabling for voice and data must be continuous, home run, non-spliced, 500 Mhz or better category 6, 4 pair UTP as applicable. Acceptable manufacturers include: Berk-Tek, Belden, Lucent or equivalent.

B. Data cable will be colored blue. Voice cable will be colored white.

C. The terminations at the station locations must be Category 6, T568B (AT&T) modular RJ-45, 8 pin, 8 conductor, Hubbell, Leviton, or lucent or equivalent jacks, match faceplates to power, color coded for voice and data, match to cable. Outlets will be securely held in place.

D. Wall mounted patch panels will be provided.

E. All cables will be labeled with self-laminating labels at each cable end, at each patch panel location, and each wall/floor faceplate that has wiring installed. Coordinate numbering scheme with owner.

F. Provide plenum rated cable when required by article NEC 300-22.

G. All cable above the ceiling must be tied and properly supported with independent hangers. Cable "draped" across ceiling tiles is unacceptable. In the case of "hard" drywall ceilings, adequate support shall be accomplished where reasonably possible.

H. Route cables so as not to exceed 90 meters in length. Bidder will identify any cable runs exceeding 90 meters and provide solution to meet the 90 meter requirement.

I. All wiring shall be protected from moving mechanical or physical contacts. Cabling shall be free from tension at both ends, as well as through out the length of the run. Splices and bridge taps with cabling are strictly prohibited. Wiring is to be run in cable tray and conduit where specified.

J. All connections of twisted wiring shall be made in such a way as to minimize the extent in which each twisted pair is unraveled at the point of its physical termination. No more than .5 inches of exposed untwisted pairs shall be present at these locations.

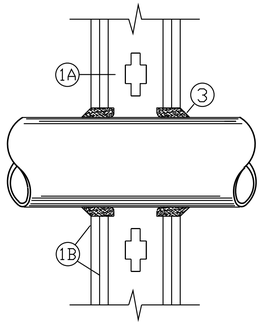
K. Cable bends shall be no less than eight times the cable diameter or 1.00". Cables are to be kept a minimum of 6" from power lines, electric motors, fluorescent fixtures or heat generating devices.

L. All cable hangers shall be no more than 48" apart. Contractor shall be familiar and install in accordance with all applicable codes and standards, including NEC, EIA/TIA 568,569 and 606, and federal, state and local codes. Care must be taken to ensure cables are not kinked, bent beyond limit, overloaded, over-cinched, crushed, improperly untwisted, etc.

M. No exposed wiring will be accepted unless approved in writing by the engineer. Cabling shall be in the wall, above the ceiling or where exposed, enclosed within cable trays, raceways or conduit, as specified.

N. All cabling shall be bundled and properly secured and terminated.

O. The warranty set forth for this system shall consist of a full three (3) years from the date of project completion. The contractor warrants the system to be free of defects of workmanship or products and will inspect and repair the system during this warranty period at no additional cost to the owner. The warranty period shall begin at the point of system acceptance or beneficial use, whichever comes later.



Max Pipe or Conduit Dia in. (mm)	F Rating Hr	T Rating Hr
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.

B. GYPSUM BOARD* - NOM 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).

2. THROUGH PENETRANT - ONE CONDUIT INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM) (POINT CONTACT) TO MAX 2 IN. (51 MM). PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. CONDUIT - NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING

3. FILL,VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MIN 5/8. 1-1/4, 1-7/8 AND 2-1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL.
THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE.
THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED TO THE LEFT.

3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT,

*BEARING THE UL CLASSIFICATION MARKING

PENETRATION THROUGH A FIRE-RATED WALL

NO SCALE

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

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Architectural Engineering Consultants
Mechanical, Electrical & Lighting Design Services
An Office with LEED™ Accredited Professionals
PO Box 8489, Avon, Colorado, 81620
Telephone: 970-748-8520
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WAREHOUSE INDUSTRIAL FACILITY

629 SAWATCH ROAD, EAGLE, COLORADO

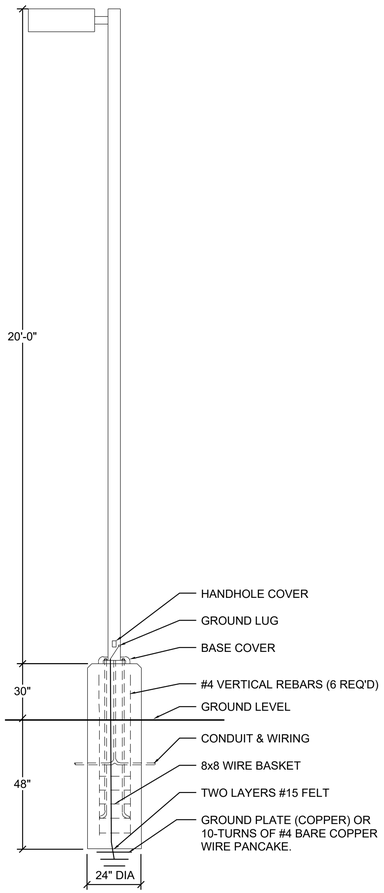
AEC PROJECT #:	24080
DATE:	ISSUE:
01/21/25	PROGRESS DRAWINGS
01/30/25	PROGRESS DRAWINGS
05/09/25	PROGRESS DRAWINGS

Drawn By:	Checked By:
SOH	AEC

LEGEND, SPECS, DETAILS & ONE-LINE

E1.0

1 of 3



FIXTURE TYPE "AA"

POLE BASE DIAGRAM

NO SCALE

BUILDING WITH GAS HEAT
Demand Load Calculations
(Per NEC Article 220 Parts I-III)

	Quantity		Volt-Amps		Demand		Total (VA)
Lighting							
Interior lighting	12110	SF X	1.00	X	100%	=	12110
Exterior lighting	17	EA X	50.00	X	100%	=	850
Receptacles							
Commercial Areas Rec	12110	SF X	1.0	=	12110 VA		
POS Rec	0	EA X	180.0	=	0		
Show Window Rec	0	EA X	180.0	=	0		
Receptacle Total	1	LS X	12110 VA				
1st 10 kVA Receptacle Load at 100%	1	LS X	10000	X	100%	=	10000
>10 kVA Receptacle Load at 50%	1	LS X	2110	X	50%	=	1055
Kitchen Equipment							
Microwave	7	EA X	1200	X	100%	=	8400
Reach-in Refrigerator	7	EA X	1000	X	100%	=	7000
Coffee	7	EA X	1500	X	100%	=	10500
Misc Equipment & Appliances							
Electric Car Chargers	0	EA X	20000	X	100%	=	0
Solar PV Equip	0	EA X	325	X	125%	=	0
Electric Heating Equipment							
Unit Heaters	0	EA X	5000	X	100%	=	0
Mechanical Equipment							
Misc Mech	7	EA X	5000	X	100%	=	35000
Water Heater	7	EA X	5000	X	100%	=	35000
Add'l 25% of Max Motor Load	1	EA X	5000	X	25%	=	1250
House and Residential Unit							
House Panel	1	EA X	28181	X	100%	=	28181
Residential unit	1	EA X	17820	X	100%	=	17820
					TOTAL		167166
For 208V, 3-Phase, 4 Wire Service			**167166 (VA) /**		**361**	**=**	**463 AMPS**
For 208V, 1-Phase, 3 Wire Service			**167166 (VA) /**		**208**	**=**	**804 AMPS**

UNIT PANEL GAS HEAT
Demand Load Calculations
(Per NEC Article 220 Parts I-III)

	Quantity		Volt-Amps		Demand		Total (VA)
Lighting							
Lighting	1435	SF X	1.00	X	100%	=	1435
Receptacles							
Commercial Areas Rec	1435	SF X	1.0	=	1435 VA		
POS Rec	0	EA X	180.0	=	0		
Show Window Rec	0	EA X	180.0	=	0		
Receptacle Total	1	LS X	1435 VA				
1st 10 kVA Receptacle Load at 100%	1	LS X	1435	X	100%	=	1435
>10 kVA Receptacle Load at 50%	1	LS X	0	X	50%	=	0
Kitchen Equipment							
Microwave	1	EA X	1200	X	100%	=	1200
Reach-in Refrigerator	1	EA X	1000	X	100%	=	1000
Coffee	1	EA X	1500	X	100%	=	1500
Misc Equipment & Appliances							
Electric Car Chargers	0	EA X	20000	X	100%	=	0
Solar PV Equip	0	EA X	325	X	125%	=	0
Electric Heating Equipment							
Unit Heaters	0	EA X	5000	X	100%	=	0
Mechanical Equipment							
Misc Mech	1	EA X	5000	X	100%	=	5000
Water Heater	1	EA X	5000	X	100%	=	5000
Add'l 25% of Max Motor Load	1	EA X	5000	X	25%	=	1250
					TOTAL		17820
For 208V, 3-Phase, 4 Wire Service			**17820 (VA) /**		**361**	**=**	**49 AMPS**
For 208V, 1-Phase, 3 Wire Service			**17820 (VA) /**		**208**	**=**	**86 AMPS**

RESIDENCE UNIT
Demand Load Calculations
(Optional Calc Per NEC Article 220 Parts IV)

	Quantity		Volt-Amps		Demand		Total (VA)
General							
Dwelling unit Square footage	1520						
General & Lighting (1st 3 KVA)	1520	SF X	3	X	100%	=	4560
Kitchen							
Small Appliances	1	EA X	1500	X	100%	=	1500
Refrigerator	1	EA X	1500	X	100%	=	1500
Dishwasher	1	EA X	1200	X	100%	=	1200
Oven/Range (Re:table220.55)	1	EA X	8000	X	100%	=	8000
Disposal	1	EA X	1000	X	100%	=	1000
Microwave	1	EA X	1200	X	100%	=	1200
Laundry & Spa Appliances							
Clothes Washer	1	EA X	1500	X	100%	=	1500
Clothes Dryer	1	EA X	5000	X	100%	=	5000
					TOTAL		25460
					First 10KVA at 100% Demand		10000
					Remainder at 40% Demand		6184
					General Load Total		16184
Mechanical Equipment							
EBB	35	EA X	250	X	100%	=	8750
Heat pump	1	EA X	5500	X	100%	=	5500
Exhaust Fans	2	EA X	40	X	100%	=	80
Add'l 25% Largest Mech. Load	1	LS X	13500	X	25%	=	3375
					Heating & AC Load Total		17705
Solar & Continuous Equipment							
Electric Car Chargers	0	EA X	20000	X	125%	=	0
Solar PV Equip.	0	EA X	360	X	125%	=	0
					TOTAL		33889
For 208V, 1-Phase, 3 Wire Service			**33889 (VA) /**		**208**	**=**	**163 AMPS**

PANEL HOUSE

PROJECT: 629 SAWATCH
PROJECT #: 24080
MOUNTING: SURFACE
TYPE: SQ D NOOD OR EQUAL

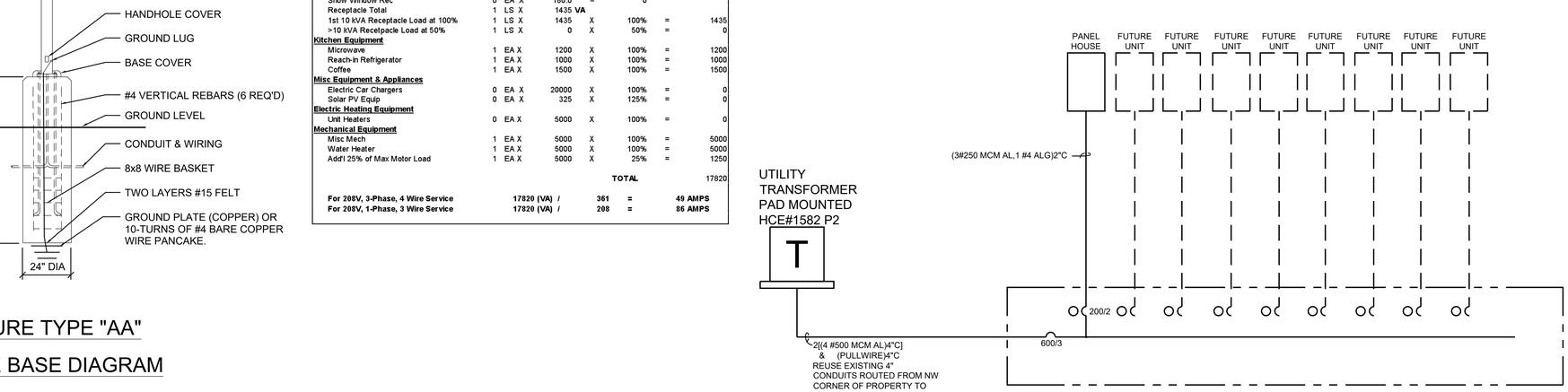
ENGINEER: SOH
VOLTAGE: 120/208V, 1P, 3W
MAINS: 200A MLO
AIC: 10K

	PHASE								PHASE		
DESCRIPTION	A	B	BKR	P	CIR	CIR	P	BKR	A	B	DESCRIPTION
TEMP LIGHTING	1000		20+B1	1	1	2	2	30	1500		HEAT TRACE
EXTERIOR BLDG LIGHTING		1000	20	1	3	4				1500	"
EXTERIOR POLE LIGHTING	500		20	1	5	6	2	20	500		GAS UNIT HEATERS
FUTURE EV CHARGING		3328		2	7	8				500	"
"	3328				9	10	2	30	2500		ELECTRIC UNIT HEATERS
FUTURE EV CHARGING		3328	2		11	12				2500	"
"	3328				13	14		0			SPACE
SPACE		0			15	16				0	SPACE
SPACE	0				17	18		0			SPACE
SPACE		0			19	20				0	SPACE
SPACE	0				21	22		0			SPACE
SPACE		0			23	24				0	SPACE
RECEPTACLES AT INTERIOR	540		20	1	25	26		0			SPACE
RECEPTACLES AT EXTERIOR		540	20	1	27	28				0	SPACE
SPACE	0				29	30		0			SPACE
SPACE		0			31	32				0	SPACE
SPACE	0				33	34		0			SPACE
SPACE		0			35	36				0	SPACE
SPACE	0				37	38		0			SPACE
SPACE		0			39	40				0	SPACE
SPACE	0				41	42		0			SPACE

LOAD CALCULATION SUMMARY

CALCULATED POWER FACTOR:
0.87

	CONNECTED LOAD	CONNECTED AMPS	DEMAND LOAD	DEMAND AMPS
LIGHTING/CONTINUOUS	2500	12	3125	15
RECEPTACLES	1080	5	1080	5
MECHANICAL	22312	107	23976	115
KITCHEN	0	0	0	0
TOTAL	25892	124	28181	135



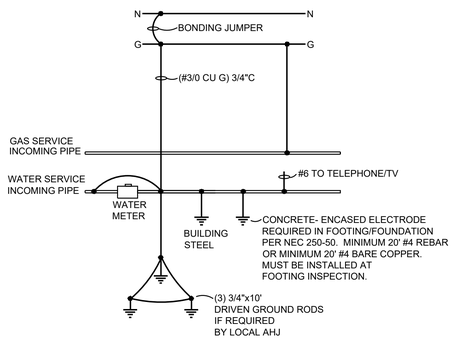
METERBANK
600A, 120/208V, 3P, 4W
SINGLE AND THREE PHASE OUT
42kAIC

ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

NOTE: PROVIDE SHORT CIRCUIT BRACING TO MEET REQUIREMENTS NOTED AT ONE-LINE, NOTED AS "AIC AVAILABLE". SERIES RATED COMBINATION ACCEPTABLE, SUBMIT MANUFACTURER'S SERIES RATINGS WITH SHOP DRAWING REVIEW.

CONTRACTOR SHALL VERIFY ALL SERVICE EQUIPMENT BEING USED WITH LOCAL UTILITY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING SERVICE EQUIPMENT THAT IS ACCEPTABLE TO USE THROUGH THE UTILITY AND THE AHJ.



SERVICE GROUNDING DETAIL

NO SCALE

NOTE: PROVIDE #3/0 CU CONDUCTORS TO ALL GROUNDING ELECTRODES.

aec
Architectural Engineering Consultants
Mechanical, Electrical & Lighting Design Services
An Office with LEED™ Accredited Professionals
PO Box 8489, Avon, Colorado, 81620
Telephone: 970-748-8520
www.aec-vail.com

.\Drawings Stamp copy.jpg

WAREHOUSE INDUSTRIAL FACILITY
629 SAWATCH ROAD, EAGLE, COLORADO

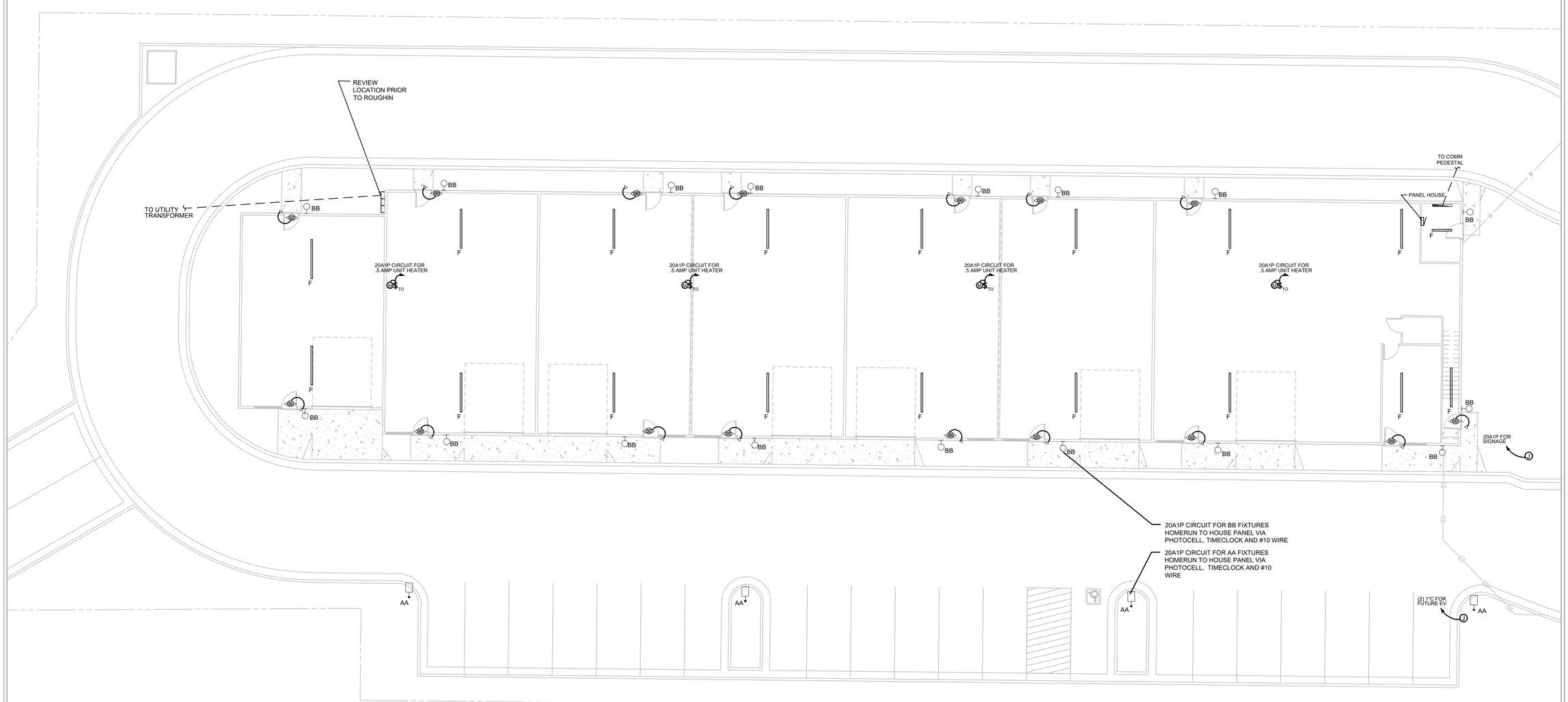
AEC PROJECT #:	24080
DATE:	ISSUE:
01/21/25	PROGRESS DRAWINGS
01/30/25	PROGRESS DRAWINGS
05/09/25	PROGRESS DRAWINGS

Drawn By:	Checked By:
SOH	AEC

ELECTRICAL ONELINE DIAGRAM & CALCS

E1.1
2 of 3

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION



ELECTRICAL PLAN

SCALE: 1" = 10'0"

PROGRESS DRAWINGS - NOT FOR CONSTRUCTION

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.\Drawings Stamp copy.jpg

WAREHOUSE INDUSTRIAL FACILITY

629 SAWATCH ROAD, EAGLE, COLORADO

AEC PROJECT #:	24080
DATE:	ISSUE:
01/21/25	PROGRESS DRAWINGS
01/30/25	PROGRESS DRAWINGS
05/09/25	PROGRESS DRAWINGS

Drawn By:	Checked By:
SOH	AEC

MAIN LEVEL ELECTRICAL PLAN

SCALE 1/8" = 1'-0"

E2.0

3 of 3

Project		**Catalog #**		**Type**	AA
Prepared by		**Notes**		**Date**	

Streetworks

GLAN Galleon II

Area / Site Luminaire

Product Features

Light ARchitect™

Product Certifications

Interactive Menu

Quick Facts

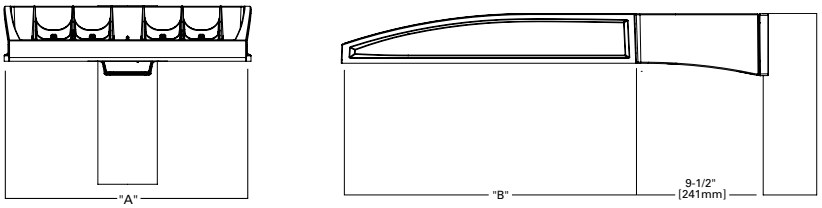
- Lumen packages range from 3,300 - 99,100 (33W - 658W)
- 17 optical distributions
- Efficacy up to 171 lumens per watt
- Options to meet Buy American and other domestic preference requirements

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless
- AirMesh Wireless

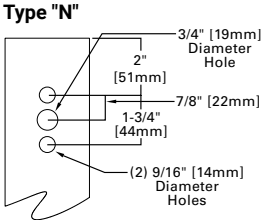
Dimensional Details

Standard Pole Mount Arm



Pole Drilling Patterns

Type "N"



Number of Light Squares	Width "A"	Housing Length "B"	Weight with Standard or QM Arm	EPA with Standard or QM Arm
1-4	16"	22"	29 lb	0.95
5-6	22"	22"	39 lb	0.95
7-9	22"	28-1/8"	48 lb	1.1

NOTES: For arm selection requirements and additional line art, see Mounting Details section.

NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **GLAN-SA4C-740-U-T4FT-GM**

Product Family [1, 2]	Light Engine Configuration			Color Temperature	Voltage	Distribution	Mounting	Finish
	Light Square	Square Count	Lumen Output					
GLAN=Galleon II **BAA-GLAN**= Galleon II Buy American Act Compliant [29] **TAA-GLAN**= Galleon II Trade Agreements Act Compliant [29]	**SA**=16 LED Light Square **SB**=26 LED Light Square [36]	**1**=1 Light Square **2**=2 Light Squares **3**=3 Light Squares **4**=4 Light Squares **5**=5 Light Squares **6**=6 Light Squares **7**=7 Light Squares **8**=8 Light Squares **9**=9 Light Squares	**A**=Output Level 1 **B**=Output Level 2 **C**=Output Level 3 **D**=Output Level 4 [4, 16] **Z**=Configured Output [33]	**722**=70CRI, 2200K **727**=70CRI, 2700K **730**=70CRI, 3000K **735**=70CRI, 3500K **740**=70CRI, 4000K **750**=70CRI, 5000K **760**=70CRI, 6000K **827**=80CRI, 2700K **830**=80CRI, 3000K **835**=80CRI, 3500K **840**=80CRI, 4000K **930**=90CRI, 3000K **935**=90CRI, 3500K **940**=90CRI, 4000K **950**=90CRI, 5000K **AMB**=Amber, 590nm [14, 16]	**U**=120-277V **H**=347V-480V [7, 28] **1**=120V **2**=208V **3**=240V **4**=277V **8**=480V [7, 28] **9**=347V [7] **DV**=277V-480V DuraVolt Drivers [26, 27, 28]	**T1**=Type I **T2**=Type II **T2R**=Type II Roadway **T3**=Type III **T3R**=Type III Roadway **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **5NQ**=Type V Narrow **5MQ**=Type V Square Medium **5WQ**=Type V Square Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **AFL**=Automotive Frontline	**[Blank]**=Standard Pole Mount Arm **QU**=Quick Mount Universal Arm **QM**=Pole Mount Arm with Quick Mount Adaptor **PA**=Pole Mount, Adjustable **SP**=3" Slipfitter, Adjustable [8] **SP2**=2-3/8" Slipfitter, Adjustable [8] **QMA**=Quick Mount Mast Arm, Fixed **MA**=Mast Arm, Fixed **WM**=Wall Mount, Fixed **WA**=Wall Mount, Adjustable **UP**=Upswept Arm	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White **RALXX=** Custom Color

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) [30]
DIM=External 0-10V Dimming Leads [19] **F**=Single Fuse (120, 277 or 347V Specify Voltage) **FF**=Double Fuse (208, 240 or 480V Specify Voltage) **20K**=20kV UL 1449 fused surge protective device [10] **2L**=Two Circuits [10] **TB**=3-Position Terminal Block **HA**=50°C High Ambient [16] **HSS**=Installed House Side Shield [17] **GRSBK**=Glare Reducing Shield, Black [22] **GRSWH**=Glare Reducing Shield, White [22] **LCF**=Light Square Trim Painted to Match Housing [25] **TH**=Tool-less Door Hardware [5] **CC**=Coastal Construction finish [3] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **AHD145**=After Hours Dim, 5 Hours [21] **AHD245**=After Hours Dim, 6 Hours [21] **AHD255**=After Hours Dim, 7 Hours [21] **AHD355**=After Hours Dim, 8 Hours [21] **DALI**=DALI Drivers **DXXXXX**=Department of Transportation - Customer specific details [32] **UXXXXX**=Utility - Customer specific details [32]	**BPC**=Button Type Photocontrol. Must specify voltage 120V, 208V, 240V or 277V [6] **PR**=NEMA 3-PIN Photocontrol Receptacle **PR7**=NEMA 7-PIN Photocontrol Receptacle [20] **FADC**=Field Adjustable Dimming Controller [31] **PSC**=Photocontrol Shorting Cap **SPB2**=Dimming Motion Sensor, 9'-20' mounting [23] **SPB4**=Dimming Motion Sensor, 21'-40' mounting [23] **SPB2/X**=Dimming Motion Sensor, limited square count, 9'-20' mounting [23] **SPB4/X**=Dimming Motion Sensor, limited square count, 21'-40' mounting [23] **MS/DIM-L20**=Motion Sensor for Dimming Operation, 9'-20' mounting [34] **MS/DIM-L40**=Motion Sensor for Dimming Operation, 21'-40' mounting [34] **WLS2XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting [18, 12, 13, 35] **WLS4XX**=WaveLinx LITE, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting [18, 12, 13, 35] **WPS2XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting [18, 12, 13, 35] **WPS4XX**=WaveLinx PRO, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting [18, 12, 13, 35] **DIM10-L20**=AirMesh Occupancy Sensor (9'-20' Mounting) [18, 37] **DIM10-L40**=AirMesh Occupancy Sensor (21'-40' Mounting) [18, 37]	**OA/RA1016**=NEMA Photocontrol Multi-Tap - 105-285V **OA/RA1027**=NEMA Photocontrol - 480V **OA/RA1201**=NEMA Photocontrol - 347V **OA/RA1013**=Photocontrol Shorting Cap **OA/RA1014**=120V Photocontrol **MA1252**=10kV Surge Module Replacement **MA1036-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1037-XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=2@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1038-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1039-XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **SRA238**=Adapter kit for mounting to 2-3/8" O.D. Tenon **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [34] **LS/HSS**=Field Installed House Side Shield [9, 17] **LS/GRSBK-2PK** =Glare Reducing Shield, Black [9, 22] **LS/GRSWH-2PK** =Glare Reducing Shield, White [9, 22] **LS/PFS**=Perimeter Shield, Black [15] **WOLC-7P-10A**=WaveLinx Outdoor Control Module [11, 18, 37] **TL7-G1-HV**= Airmesh 7-PIN node, 110-480V [11, 18, 37] **CBSSW-450-002=** AirMesh central base station with 5-button control

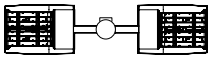
NOTES:

1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
3. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.
4. When using SA light squares, Output Level 4 not available with color temperatures 722, 727 or 830 when either HA or HSS options are selected.
5. TH option not 3G rated. Not available with Coastal Construction (CC) option.
6. Not available with voltage options H, 8 or 9.
7. Not available with SB1A or SB2A configurations. Not available in combination with HA high ambient and sensor options at Output Level 3. H voltage not available with sensor options, choose voltage 8 or 9.
8. SP arm limited to 3" O.D. vertical tenon. SP2 limited to 2-3/8" O.D. vertical tenon.
9. One required for each Light Square.
10. 2L is not available with SB light squares. Not available with SPB at 347V or 480V. Not available with WaveLinx or 20kV surge option.
11. Requires PR7.
12. Replace XX with sensor color (WH, BZ or BK.)
13. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. WAC not required for LC Bluetooth sensors.
14. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose Choose Output Level 1; supplied at 500mA drive current only. Not available with SB light squares. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
15. Set of 4 pcs. One set required per Light Square.
16. HA option not available with Output Level 4.
17. Not for use with 5NQ, 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected.
18. Cannot be used with other control options.
19. Low voltage control lead brought out 18" outside fixture. Not available with DALI or integrated controls options
20. Not available if any SPB, LWR, or WaveLinx sensor is selected. Motion sensor has an integral photocell.
21. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. Not available with SB light squares when using Output Level 4.
22. Not for use with T4FT, T4W or SL4 optics. See IES files for details. Not available with SB light squares.
23. Sensor configuration mobile application required for configuration. See controls page for details.
24. Replace X with number of Light Squares controlled by the SPB, referencing the "SPB/X Availability Table" on the controls page.
25. Not available with HSS, GRSWH or GRSBK.
26. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
27. Not available with SA1A or SA1B. Not available with SB1, or any SB configuration using Output Level 1. Not available with any control option except SPB
28. 480V not to be used with ungrounded or impedance grounded systems.
29. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
30. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
31. Cannot be used with DALI, PR7, or other motion response control options. Not available with SB light squares when using Output Level 4.
32. Customer specific specifications utilizes standard products with small adjustments to meet unique requirements such as packaging,labels, wattage adjustments, etc.
33. Use GLAN Product Configurator to specify lumen output, drive current and wattage. Not available with AMB. Not available with SB light squares.
34. Uses the FSP-211 motion sensor. The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
35. Controls system is not available with photocontrol receptacles (PR, PR7) or other controls systems (FADC, SPBx).
36. Available with T1, T2, T3, T4FT, SL4 and 5WQ distributions.
37. Requires AirMesh central base station CBSSW-450-002 and Synapse commissioning for operation.

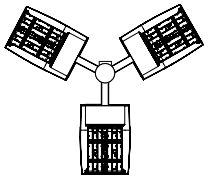
Mounting Details

Pole Configuration Options

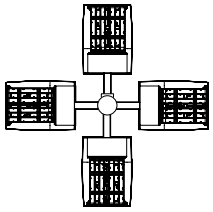
2 @ 180°



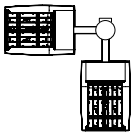
3 @ 120° (Round poles only)



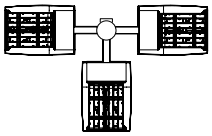
4 @ 90°



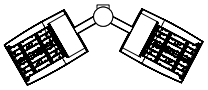
2 @ 90°



3 @ 90°

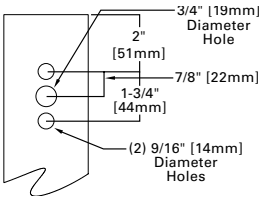


2 @ 120° (Round poles only)

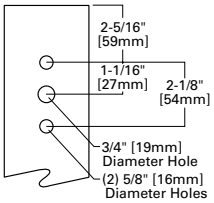


Pole Drilling Patterns

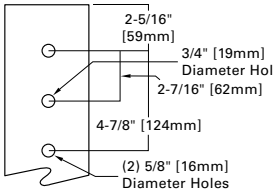
Type "N"



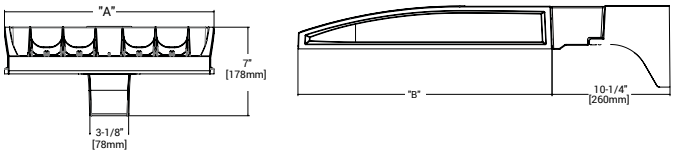
Type "R"



Type "M"

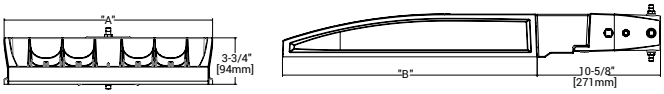


Quick Mount Universal Arm (QU)



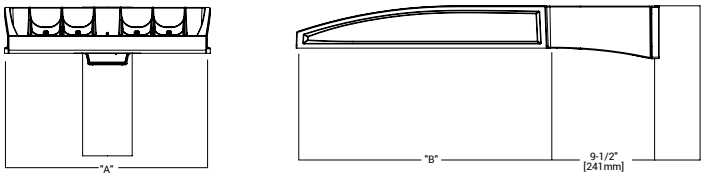
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Quick Mount Mast Arm (QMA)



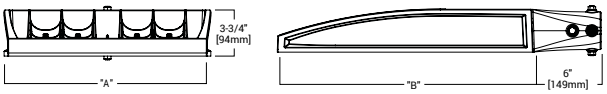
*NOTE: Fits 2-3/8" O.D. tenon

Pole Mount Arm with Quick Mount Adaptor (QM)



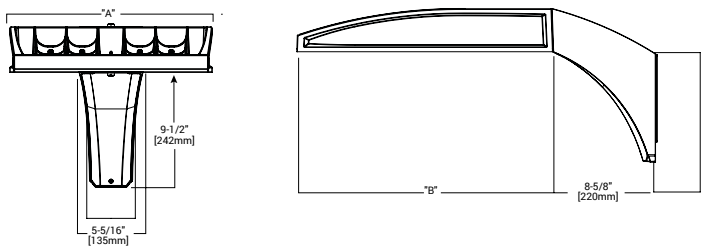
*NOTE: Use Type N drilling pattern

Mast Arm, Fixed (MA)



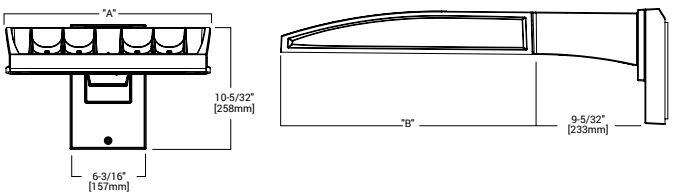
*NOTE: Fits 2-3/8" O.D. tenon

Upswept Arm (UP)



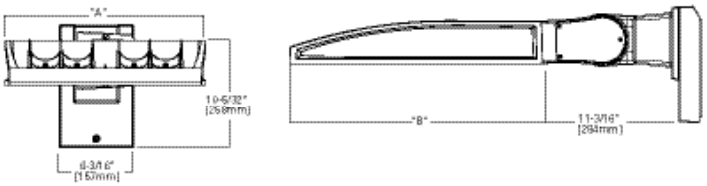
*NOTE: Universal bolt pattern compatible with Type N through Type M drilling patterns

Wall Mount, Fixed (WM)

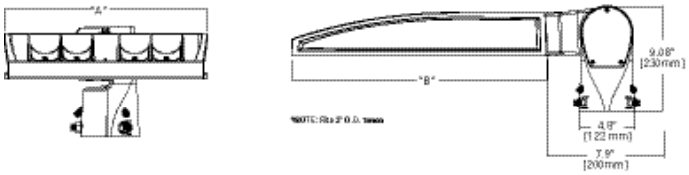


Mounting Details

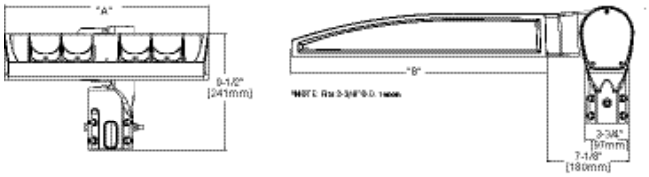
Wall Mount, Adjustable (WA)



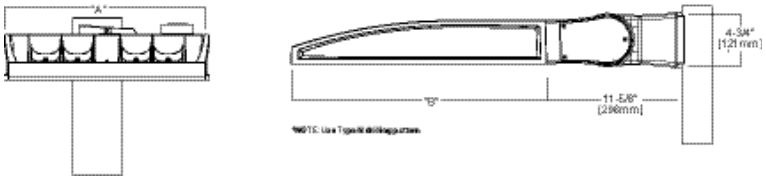
3" Slipfitter, Adjustable (SP)



2-3/8" Slipfitter, Adjustable (SP2)

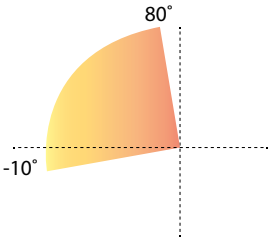


Pole Mount, Adjustable Arm (PA)



Adjustable Arm Range of Motion

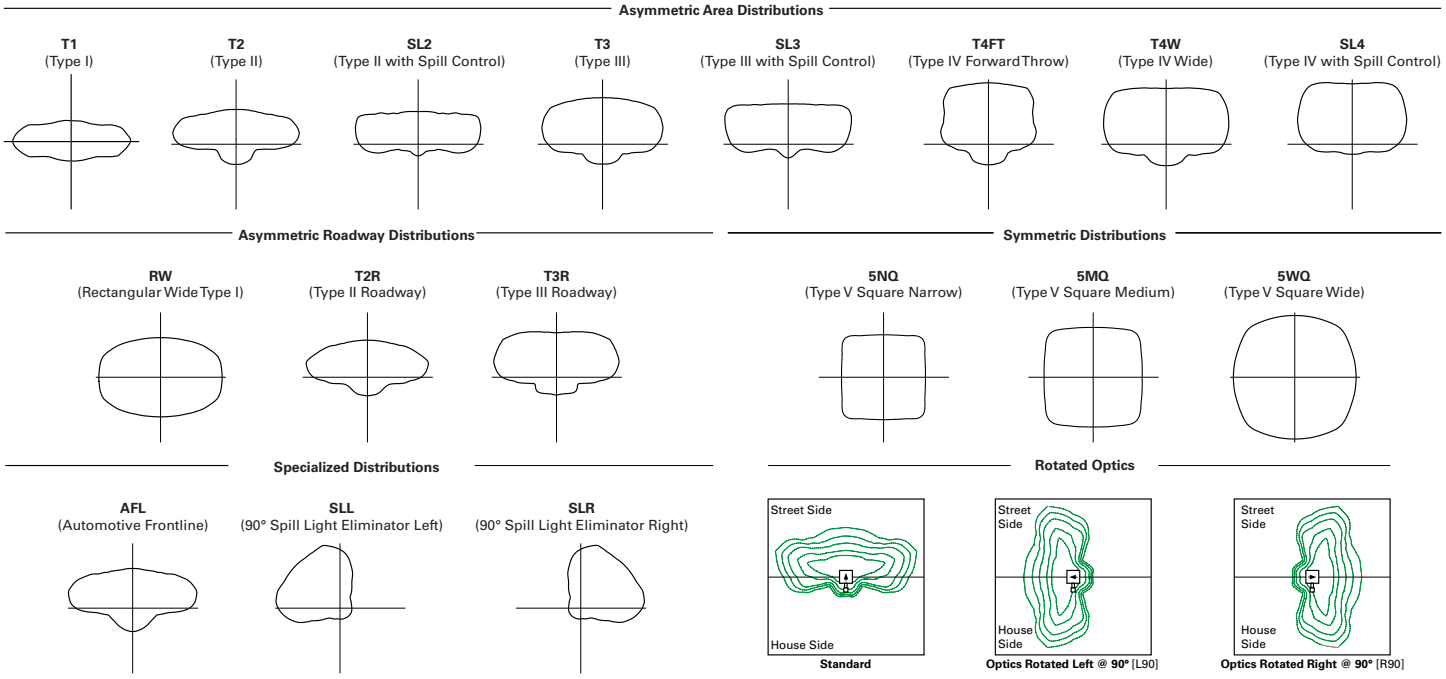
- Includes WA, SP, SP2 and PA mounting options
- Adjustable in increments of 5°
- Must maintain downward facing orientation



Fixture Weights and EPAs

Tilt Angle (Degrees)	Number of Light Squares	Weight	1 @ 90°	2 @ 180°	2 @ 90°	2 @ 120°	3 @ 90°	3 @ 120°	4 @ 90°
0°	1-4	33.5 lb (15.2 kg)	0.85	1.70	1.46	1.66	2.31	2.25	2.35
	5-6	43.5 lb (19.7 kg)	0.86	1.71	1.62	1.80	2.49	2.35	2.50
	7-9	52.5 lb (23.8 kg)	0.98	1.95	1.75	1.98	2.73	2.55	2.76
15°	1-4	33.5 lb (15.2 kg)	1.10	1.71	1.95	2.26	2.81	3.30	2.87
	5-6	43.5 lb (19.7 kg)	1.42	1.71	2.27	2.72	3.13	3.63	3.15
	7-9	52.5 lb (23.8 kg)	1.69	1.96	2.67	3.22	3.65	4.38	3.72
30°	1-4	33.5 lb (15.2 kg)	1.72	1.81	2.58	3.21	3.44	4.59	3.53
	5-6	43.5 lb (19.7 kg)	2.26	2.29	3.11	4.00	3.97	5.27	4.00
	7-9	52.5 lb (23.8 kg)	2.75	2.85	3.73	4.83	4.71	6.45	4.81
45°	1-4	33.5 lb (15.2 kg)	2.25	2.36	3.10	4.00	3.96	5.63	4.08
	5-6	43.5 lb (19.7 kg)	2.96	2.99	3.81	5.06	4.67	6.49	4.71
	7-9	52.5 lb (23.8 kg)	3.63	3.76	3.73	6.17	5.59	8.03	5.73
60°	1-4	33.5 lb (15.2 kg)	2.63	2.77	3.49	4.58	4.34	6.21	4.48
	5-6	43.5 lb (19.7 kg)	3.46	3.51	4.32	5.84	5.19	7.01	5.22
	7-9	52.5 lb (23.8 kg)	4.27	4.44	5.25	7.15	6.23	8.80	6.40

Optical Distributions



Product Specifications

Construction

- Die-cast aluminum housing and heat sink
- Three housing sizes, using 1 to 9 light squares
- Driver compartment utilizes hinged door with captive fasteners

Optics

- High-efficiency injection-molded AccuLED Optics technology
- 17 optical distributions for area site and roadway applications
- 3 shielding options include HSS, GRS and PFS
- IDA certified (3000K CCT and warmer only, arms at 0° tilt)

Electrical

- Removable power tray assembly includes drivers, surge modules and control modules for ease of maintenance and serviceability
- Standard with 0-10V dimming
- Standard with 10kV surge module, optional 20kV surge module
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration

Mounting

- Arms are factory installed, enabling closed-housing installation
- All arms suitable for round or square pole installation
- All arms provide clearance for multiple fixture installations at 90°

Finish

- 6 standard finishes use super durable TGIC polyester powder coat paint, providing 2.5 mil nominal thickness and salt-spray tested to 3,000 hours per ASTM B117
- RAL and custom color matches available
- Coastal Construction (CC) option salt-spray tested to 5,000 hours per ASTM B117, achieving a scribe rating of 9 per ASTM D1654

Typical Applications

- Outdoor, Parking Lots, Walkways, Roadways

Warranty

- Five year limited warranty

Energy and Performance Data

Lumen Maintenance (TM-21)

Output Level	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Output Levels 1-3	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
Output Level 4	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

* Supported by IES TM-21 standards
** Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0ºC	1.02
10ºC	1.01
25ºC	1.00
40ºC	0.99
50ºC	0.97

FADC Settings
SA1-SA3 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

FADC Settings
SA4-SA6 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	14%
2	25%
3	32%
4	43%
5	49%
6	57%
7	65%
8	72%
9	80%
10	100%

FADC Settings
SA7-SA9 (All Output Levels)

FADC Position	Percent of Typical Lumen Output
1	19%
2	38%
3	47%
4	63%
5	74%
6	85%
7	95%
8	97%
9	100%
10	100%

SA Light Squares, Output Level 1, 4000K CCT, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		33	63	93	121	154	182	215	244	274
Input Current @ 120V		0.283	0.529	0.778	1.058	1.310	1.556	1.839	2.089	2.335
Input Current @ 208V		0.165	0.309	0.460	0.618	0.771	0.919	1.082	1.240	1.379
Input Current @ 240V		0.143	0.270	0.398	0.540	0.671	0.796	0.944	1.078	1.194
Input Current @ 277V		0.125	0.237	0.352	0.473	0.581	0.705	0.818	0.962	1.057
Input Current @ 347V		0.098	0.181	0.272	0.362	0.454	0.544	0.636	0.738	0.816
Input Current @ 480V		0.073	0.133	0.200	0.267	0.335	0.400	0.470	0.554	0.600
Optics										
T1	Lumens	4,619	9,180	13,628	18,059	22,861	27,070	31,796	36,863	41,385
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	140	146	147	149	148	149	148	151	151
T2	Lumens	4,654	9,249	13,730	18,194	23,032	27,273	32,034	37,138	41,694
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	147	148	150	150	150	149	152	152
T2R	Lumens	4,716	9,372	13,913	18,437	23,340	27,637	32,462	37,634	42,251
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	149	150	152	152	152	151	154	154
T3	Lumens	4,589	9,120	13,538	17,940	22,711	26,892	31,587	36,620	41,112
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	139	145	146	148	147	148	147	150	150
T3R	Lumens	4,735	9,411	13,970	18,513	23,436	27,751	32,596	37,790	42,425
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	143	149	150	153	152	152	152	155	155
T4FT	Lumens	4,617	9,176	13,622	18,051	22,851	27,058	31,782	36,847	41,366
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	140	146	146	149	148	149	148	151	151
T4W	Lumens	4,631	9,203	13,662	18,104	22,918	27,138	31,876	36,955	41,488
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	150	149	149	148	151	151
SL2	Lumens	4,619	9,180	13,627	18,058	22,860	27,069	31,795	36,861	41,383
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	140	146	147	149	148	149	148	151	151
SL3	Lumens	4,586	9,115	13,531	17,931	22,699	26,879	31,571	36,602	41,091
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	139	145	145	148	147	148	147	150	150
SL4	Lumens	4,529	9,002	13,363	17,708	22,417	26,544	31,178	36,146	40,580
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	137	143	144	146	146	146	145	148	148
5NQ	Lumens	4,829	9,598	14,247	18,880	23,901	28,301	33,242	38,539	43,266
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	152	153	156	155	155	155	158	158
5MQ	Lumens	4,853	9,645	14,318	18,974	24,020	28,442	33,407	38,731	43,482
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	153	154	157	156	156	155	159	159
5WQ	Lumens	4,843	9,625	14,288	18,934	23,969	28,382	33,337	38,649	43,390
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	147	153	154	156	156	156	155	158	158
SLL/SLR	Lumens	3,989	7,927	11,768	15,594	19,741	23,375	27,456	31,831	35,736
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	121	126	127	129	128	128	128	130	130
RW	Lumens	4,774	9,488	14,085	18,665	23,628	27,979	32,863	38,100	42,774
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	145	151	151	154	153	154	153	156	156
AFL	Lumens	4,673	9,286	13,785	18,268	23,126	27,384	32,164	37,290	41,864
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	142	147	148	151	150	150	150	153	153

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 2, 4000K CCT, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		44	82	121	164	204	243	286	325	364
Input Current @ 120V		0.367	0.689	1.014	1.378	1.704	2.027	2.393	2.716	3.041
Input Current @ 208V		0.213	0.401	0.594	0.802	0.997	1.188	1.400	1.605	1.782
Input Current @ 240V		0.184	0.347	0.510	0.694	0.860	1.021	1.210	1.386	1.531
Input Current @ 277V		0.160	0.303	0.449	0.605	0.757	0.898	1.065	1.242	1.347
Input Current @ 347V		0.125	0.235	0.355	0.471	0.592	0.710	0.828	0.958	1.065
Input Current @ 480V		0.092	0.172	0.258	0.344	0.432	0.517	0.605	0.706	0.775
Optics										
T1	Lumens	5,748	11,423	16,957	22,470	28,446	33,683	39,563	45,867	51,494
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T2	Lumens	5,790	11,508	17,083	22,638	28,658	33,935	39,859	46,210	51,879
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	132	140	141	138	140	140	139	142	143
T2R	Lumens	5,868	11,662	17,311	22,941	29,041	34,388	40,391	46,827	52,572
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	133	142	143	140	142	142	141	144	144
T3	Lumens	5,710	11,347	16,845	22,322	28,258	33,461	39,303	45,565	51,155
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	130	138	139	136	139	138	137	140	141
T3R	Lumens	5,892	11,710	17,383	23,035	29,161	34,530	40,558	47,020	52,788
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	134	143	144	140	143	142	142	145	145
T4FT	Lumens	5,745	11,418	16,949	22,460	28,433	33,668	39,546	45,847	51,471
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
T4W	Lumens	5,762	11,451	16,999	22,526	28,517	33,767	39,662	45,982	51,622
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	140	140	137	140	139	139	141	142
SL2	Lumens	5,747	11,422	16,956	22,469	28,444	33,681	39,561	45,865	51,491
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	139	140	137	139	139	138	141	141
SL3	Lumens	5,707	11,342	16,836	22,311	28,244	33,444	39,283	45,542	51,129
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	130	138	139	136	138	138	137	140	140
SL4	Lumens	5,636	11,201	16,627	22,034	27,893	33,028	38,794	44,976	50,493
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	128	137	137	134	137	136	136	138	139
5NQ	Lumens	6,009	11,942	17,727	23,492	29,739	35,214	41,362	47,953	53,835
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	137	146	147	143	146	145	145	148	148
5MQ	Lumens	6,039	12,001	17,816	23,609	29,887	35,389	41,568	48,191	54,103
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	137	146	147	144	147	146	145	148	149
5WQ	Lumens	6,026	11,976	17,778	23,559	29,824	35,315	41,480	48,090	53,989
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	146	147	144	146	145	145	148	148
SLL/SLR	Lumens	4,963	9,863	14,642	19,403	24,563	29,085	34,163	39,607	44,465
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	113	120	121	118	120	120	119	122	122
RW	Lumens	5,940	11,806	17,526	23,224	29,400	34,813	40,891	47,407	53,222
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	135	144	145	142	144	143	143	146	146
AFL	Lumens	5,814	11,555	17,153	22,730	28,775	34,073	40,021	46,398	52,090
	BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	132	141	142	139	141	140	140	143	143

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 3, 4000K CCT, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		57	108	160	213	269	321	377	429	481
Input Current @ 120V		0.478	0.905	1.338	1.810	2.244	2.675	3.150	3.584	4.013
Input Current @ 208V		0.279	0.532	0.780	1.064	1.313	1.559	1.845	2.093	2.339
Input Current @ 240V		0.243	0.458	0.664	0.916	1.123	1.328	1.582	1.788	1.991
Input Current @ 277V		0.213	0.404	0.582	0.808	0.997	1.164	1.401	1.589	1.745
Input Current @ 347V		0.164	0.322	0.471	0.644	0.795	0.943	1.117	1.269	1.414
Input Current @ 480V		0.121	0.235	0.341	0.469	0.579	0.681	0.814	0.923	1.022
Optics										
T1	Lumens	7,101	14,113	20,950	27,763	35,146	41,616	48,882	56,671	63,623
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T2	Lumens	7,154	14,219	21,107	27,970	35,408	41,927	49,247	57,094	64,098
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	132	132	131	132	131	131	133	133
T2R	Lumens	7,250	14,408	21,389	28,344	35,881	42,487	49,905	57,857	64,954
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	127	133	134	133	133	132	132	135	135
T3	Lumens	7,054	14,020	20,812	27,580	34,914	41,342	48,560	56,297	63,203
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
T3R	Lumens	7,280	14,468	21,477	28,461	36,029	42,663	50,111	58,096	65,222
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	128	134	134	134	134	133	133	135	136
T4FT	Lumens	7,098	14,107	20,941	27,751	35,130	41,598	48,860	56,646	63,594
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
T4W	Lumens	7,119	14,148	21,003	27,832	35,233	41,720	49,004	56,812	63,781
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	131	131	130	130	132	133
SL2	Lumens	7,101	14,112	20,949	27,761	35,144	41,614	48,879	56,668	63,619
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	131	131	130	131	130	130	132	132
SL3	Lumens	7,051	14,013	20,802	27,566	34,897	41,321	48,535	56,269	63,172
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	124	130	130	129	130	129	129	131	131
SL4	Lumens	6,963	13,839	20,543	27,223	34,463	40,808	47,932	55,569	62,386
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	122	128	128	128	128	127	127	130	130
5NQ	Lumens	7,424	14,755	21,903	29,025	36,743	43,508	51,104	59,247	66,515
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	130	137	137	136	137	136	136	138	138
5MQ	Lumens	7,461	14,828	22,012	29,169	36,926	43,725	51,359	59,542	66,846
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	138	137	137	136	136	139	139
5WQ	Lumens	7,445	14,797	21,966	29,108	36,849	43,633	51,250	59,417	66,705
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	131	137	137	137	137	136	136	139	139
SLL/SLR	Lumens	6,132	12,187	18,091	23,973	30,348	35,936	42,210	48,935	54,938
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	113	113	113	113	112	112	114	114
RW	Lumens	7,340	14,587	21,653	28,694	36,325	43,013	50,522	58,573	65,757
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	135	135	135	135	134	134	137	137
AFL	Lumens	7,183	14,276	21,193	28,084	35,552	42,098	49,448	57,327	64,359
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	126	132	132	132	132	131	131	134	134

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SA Light Squares, Output Level 4, 4000K CCT, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		65	125	184	245	309	368	433	493	552
Input Current @ 120V		0.546	1.041	1.535	2.082	2.578	3.070	3.619	4.114	4.605
Input Current @ 208V		0.318	0.610	0.893	1.219	1.504	1.786	2.113	2.397	2.679
Input Current @ 240V		0.276	0.523	0.758	1.046	1.282	1.516	1.806	2.041	2.274
Input Current @ 277V		0.241	0.460	0.662	0.920	1.133	1.325	1.593	1.807	1.987
Input Current @ 347V		0.187	0.370	0.543	0.740	0.915	1.085	1.285	1.459	1.628
Input Current @ 480V		0.138	0.269	0.391	0.537	0.663	0.782	0.932	1.057	1.173
Optics										
T1	Lumens	7,814	15,529	23,053	30,549	38,672	45,793	53,787	62,358	70,007
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T2	Lumens	7,872	15,645	23,225	30,777	38,962	46,135	54,189	62,824	70,530
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	126	126	125	125	127	128
T2R	Lumens	7,977	15,854	23,535	31,188	39,482	46,751	54,913	63,663	71,472
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	127	128	127	127	129	129
T3	Lumens	7,762	15,427	22,901	30,348	38,418	45,491	53,433	61,947	69,546
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
T3R	Lumens	8,010	15,920	23,632	31,317	39,645	46,944	55,139	63,925	71,767
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	127	128	128	128	128	127	130	130
T4FT	Lumens	7,810	15,522	23,043	30,535	38,655	45,772	53,763	62,330	69,976
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
T4W	Lumens	7,833	15,568	23,110	30,625	38,769	45,907	53,921	62,513	70,182
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	125	126	125	125	125	125	127	127
SL2	Lumens	7,813	15,528	23,052	30,547	38,670	45,790	53,784	62,354	70,003
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	120	124	125	125	125	124	124	126	127
SL3	Lumens	7,758	15,419	22,889	30,332	38,398	45,468	53,406	61,916	69,511
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	119	123	124	124	124	124	123	126	126
SL4	Lumens	7,662	15,228	22,605	29,955	37,921	44,903	52,742	61,146	68,646
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	118	122	123	122	123	122	122	124	124
5NQ	Lumens	8,169	16,235	24,101	31,938	40,431	47,874	56,232	65,193	73,190
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	126	130	131	130	131	130	130	132	133
5MQ	Lumens	8,210	16,316	24,221	32,097	40,632	48,113	56,512	65,517	73,554
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	131	132	131	131	131	131	133	133
5WQ	Lumens	8,192	16,282	24,170	32,029	40,546	48,011	56,393	65,379	73,399
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	126	130	131	131	131	130	130	133	133
SLL/SLR	Lumens	6,747	13,410	19,906	26,379	33,394	39,542	46,445	53,846	60,451
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	104	107	108	108	108	107	107	109	110
RW	Lumens	8,076	16,050	23,826	31,574	39,970	47,329	55,592	64,450	72,356
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	124	128	129	129	129	129	128	131	131
AFL	Lumens	7,904	15,709	23,320	30,902	39,120	46,323	54,410	63,079	70,817
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	122	126	127	126	127	126	126	128	128

* Nominal data for 70 CRI. ** For additional performance data, please reference the Galleon Supplemental Performance Guide.

SB Light Squares, Output Level 1, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		31	57	85	114	142	171	199	227	256
Input Current @ 120V		0.263	0.484	0.717	0.952	1.201	1.434	1.685	1.918	2.151
Input Current @ 208V		0.154	0.280	0.420	0.552	0.700	0.839	0.979	1.119	1.259
Input Current @ 240V		0.136	0.245	0.370	0.483	0.615	0.740	0.860	0.985	1.110
Input Current @ 277V		0.122	0.216	0.330	0.425	0.546	0.660	0.762	0.876	0.989
Input Current @ 347V		-	-	0.248	0.328	0.413	0.495	0.577	0.665	0.743
Input Current @ 480V		-	-	0.182	0.238	0.304	0.364	0.426	0.493	0.547
Optics										
T1	Lumens	4,696	9,389	14,086	18,816	23,716	28,470	33,388	37,964	42,763
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4
	Lumens per Watt	152	164	166	165	167	167	168	167	167
T2	Lumens	4,704	9,404	14,109	18,846	23,754	28,515	33,442	38,024	42,831
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	167	168
T3	Lumens	4,751	9,497	14,249	19,033	23,989	28,798	33,773	38,401	43,256
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G4
	Lumens per Watt	154	166	168	167	169	169	170	169	169
T4FT	Lumens	4,692	9,380	14,074	18,799	23,694	28,444	33,358	37,929	42,724
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	152	164	166	165	167	166	168	167	167
SL4	Lumens	4,706	9,408	14,115	18,854	23,764	28,527	33,456	38,040	42,849
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	152	164	167	165	168	167	168	168	168
5WQ	Lumens	4,802	9,600	14,403	19,239	24,249	29,110	34,139	38,817	43,724
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	155	168	170	169	171	170	171	171	171

SB Light Squares, Output Level 2, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		40	74	109	147	183	220	257	293	330
Input Current @ 120V		0.330	0.627	0.919	1.255	1.547	1.838	2.174	2.466	2.758
Input Current @ 208V		0.192	0.370	0.533	0.739	0.902	1.066	1.272	1.435	1.598
Input Current @ 240V		0.169	0.327	0.467	0.655	0.794	0.933	1.121	1.260	1.400
Input Current @ 277V		0.150	0.294	0.412	0.588	0.706	0.823	1.000	1.118	1.235
Input Current @ 347V		0.112	0.215	0.316	0.431	0.531	0.632	0.746	0.847	0.947
Input Current @ 480V		0.086	0.160	0.230	0.320	0.390	0.460	0.550	0.620	0.690
Optics										
T1	Lumens	5,895	11,786	17,683	23,620	29,771	35,739	41,913	47,656	53,681
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	148	159	162	161	163	162	163	163	163
T2	Lumens	5,905	11,805	17,711	23,658	29,818	35,796	41,980	47,732	53,766
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
T3	Lumens	5,963	11,922	17,887	23,892	30,114	36,151	42,396	48,206	54,300
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	150	161	164	163	165	164	165	165	165
T4FT	Lumens	5,890	11,775	17,667	23,599	29,744	35,706	41,875	47,613	53,632
	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5
	Lumens per Watt	148	159	162	161	163	162	163	163	163
SL4	Lumens	5,907	11,810	17,718	23,668	29,831	35,811	41,998	47,752	53,789
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	148	160	162	161	163	162	164	163	163
5WQ	Lumens	6,028	12,051	18,080	24,151	30,440	36,542	42,855	48,728	54,887
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	151	163	166	164	167	166	167	166	167

SB Light Squares, Output Level 3, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		54	101	149	201	250	301	351	400	450
Input Current @ 120V		0.437	0.857	1.259	1.714	2.116	2.518	2.973	3.375	3.776
Input Current @ 208V		0.254	0.498	0.721	0.996	1.219	1.442	1.717	1.940	2.163
Input Current @ 240V		0.223	0.437	0.628	0.874	1.065	1.256	1.501	1.693	1.884
Input Current @ 277V		0.197	0.386	0.550	0.772	0.936	1.100	1.322	1.485	1.649
Input Current @ 347V		0.150	0.292	0.432	0.584	0.724	0.863	1.016	1.155	1.295
Input Current @ 480V		0.111	0.213	0.311	0.427	0.525	0.622	0.738	0.836	0.933
Optics										
T1	Lumens	7,841	15,675	23,517	31,414	39,594	47,531	55,743	63,381	71,393
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	144	155	158	157	159	158	159	159	159
T2	Lumens	7,853	15,700	23,555	31,464	39,657	47,607	55,832	63,482	71,507
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
T3	Lumens	7,931	15,856	23,789	31,776	40,051	48,080	56,386	64,112	72,217
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	146	157	160	158	161	160	161	160	161
T4FT	Lumens	7,834	15,661	23,496	31,385	39,558	47,488	55,692	63,324	71,329
	BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	155	158	156	159	158	159	158	159
SL4	Lumens	7,857	15,707	23,565	31,477	39,674	47,627	55,855	63,509	71,538
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	144	156	158	157	159	158	159	159	159
5WQ	Lumens	8,017	16,027	24,046	32,120	40,484	48,600	56,996	64,806	72,998
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	147	159	161	160	162	162	163	162	162

SB Light Squares, Output Level 4, 4000K, 70 CRI

Number of Light Squares		1	2	3	4	5	6	7	8	9
Nominal Power (Watts)		80	148	218	294	365	440	513	585	658
Input Current @ 120V		0.638	1.234	1.840	2.469	3.094	3.680	4.349	4.934	5.519
Input Current @ 208V		0.367	0.705	1.045	1.410	1.779	2.090	2.513	2.824	3.135
Input Current @ 240V		0.320	0.614	0.913	1.227	1.567	1.827	2.220	2.480	2.740
Input Current @ 277V		0.280	0.537	0.813	1.075	1.402	1.626	1.992	2.215	2.439
Input Current @ 347V		0.219	0.430	0.640	0.897	1.089	1.280	1.537	1.729	1.920
Input Current @ 480V		0.160	0.313	0.479	0.700	0.829	0.958	1.179	1.308	1.437
Optics										
T1	Lumens	10,654	21,299	31,955	42,684	53,800	64,585	75,742	86,121	97,008
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	147	145	147	147	148	147	147
T2	Lumens	10,671	21,333	32,006	42,752	53,886	64,688	75,863	86,258	97,162
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	147	148
T3	Lumens	10,777	21,545	32,324	43,177	54,420	65,329	76,616	87,114	98,127
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	135	146	148	147	149	148	149	149	149
T4FT	Lumens	10,644	21,280	31,926	42,646	53,751	64,526	75,674	86,043	96,920
	BUG Rating	B2-U0-G2	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	144	146	145	147	147	148	147	147
SL4	Lumens	10,675	21,342	32,020	42,771	53,908	64,715	75,895	86,295	97,204
	BUG Rating	B2-U0-G3	B3-U0-G4	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	134	145	147	146	148	147	148	148	148
5WQ	Lumens	10,893	21,778	32,673	43,644	55,009	66,037	77,445	88,057	99,189
	BUG Rating	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	137	148	150	149	151	150	151	151	151

Control Options

0-10V (DIM)
This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR and PR7)
Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (SPB and MS/DIM-LXX)
These passive infrared (PIR) sensors are factory installed in the luminaire housing. When the SPB (FSP-321 or FSP-311) or MS/DIM (FSP-211) sensor options are selected, the occupancy sensor is connected to a dimming driver and the luminaire dims when no motion is detected. After a set period of time, the luminaire turns off, and when motion is detected, the luminaire returns to full light output. Both sensors are factory preset to dim down to approximately 10% power with a time delay of five minutes. The MS/DIM sensor requires the FSIR-100 programming tool to adjust factory defaults. The SPB sensor default parameters are listed in the table below and can be configured utilizing the Sensor Configuration mobile application for iOS and Android devices. The SPB/X is configured to control only the specified number of light squares (See SPB/X Availability Table below.) An integral photocontrol can be activated with the app for "dusk-to-dawn" control or daylight harvesting - the factory default is off. Four sensor colors are available; Bronze, Black, Gray and White, and are automatically selected based on the luminaire finish as indicated by the table below.

SPB sensor finish matched to luminaire finish		
Luminaire Finish		SPB Sensor Finish*
WH	White	White
BK	Black	Black
GM	Graphite Metallic	Black
BZ	Bronze	Bronze
AP	Gray	Gray
DP	Dark Platinum	Gray

*SPB bezel color automatically selected based on luminaire finish

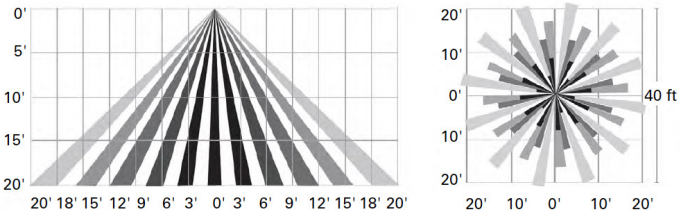
SPB/X Availability Table	
Fixture Square Count	Available SPB/X Square Count
1	Not Available
2	Not Available
3	Not Available
4	2
5	2 or 3
6	3
7	2, 3, 4 or 5
8	2, 3, 5 or 6
9	3 or 6

Default Program Settings (Out of the Box Functionality)

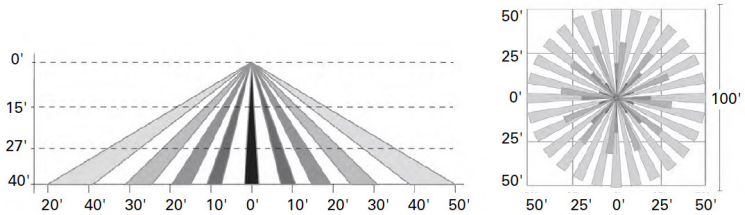
Occupancy Sensor				
Setting	MS/DIM	SPB	WaveLinx Lite (WOF / WOB)	WaveLinx (SWPD)
High Mode %	100%	100%	100%	100%
Low Mode %	10%	10%	50%	50%
Time Delay	5 min	5 min	15 min	15 min
Cut Off Delay	1 hr	1 hr	Disabled	Disabled
Photocell Enabled	No	No	Yes	Yes

WaveLinx Wireless Control and Monitoring System
Operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. WaveLinx Pro (WPS2 to WPS4) outdoor wireless sensors offer passive infrared (PIR) occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets). WaveLinx Lite (WLS4 and WLS2) outdoor wireless sensors provide PIR occupancy and photocell for closed loop daylight harvesting, and can be factory or field-installed. Sensors are factory preset to dim down to 50% after 15 minutes of no motion detected. Two lens options are available for mounting heights of 7' to 40'. Use the WaveLinx Lite mobile application for set-up and configuration. WAC not required. WaveLinx Outdoor Control Module (WOLC-7P-10A) accessory provides a photocontrol enabling astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

For mounting heights up to 15' (SWPD4 and WOB)



For mounting heights up to 40' (SWPD5 and WOF)



Cooper Lighting Solutions
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Project		**Catalog #**		**Type**	BB
Prepared by		**Notes**		**Date**	

Lumark AP

ASWP Adjustable Slim Wall Pack Series

Wall Mount Luminaire

Product Features

Selectable lumens | seleCCTable colors | DUSK-TO-DAWN | MARKETPRO STOCK PROGRAM

Interactive Menu

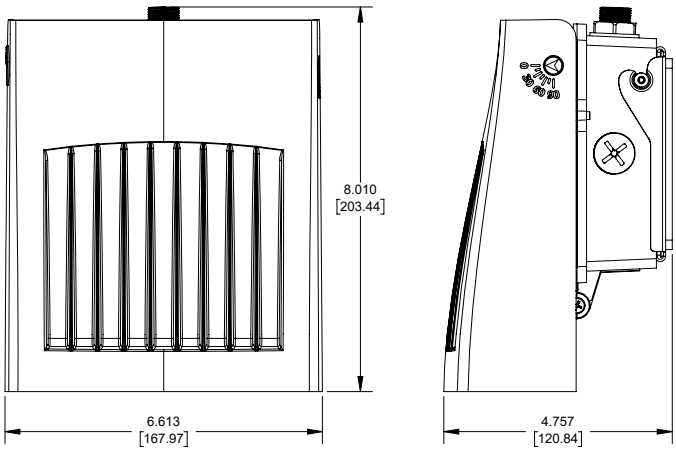
Product Certifications

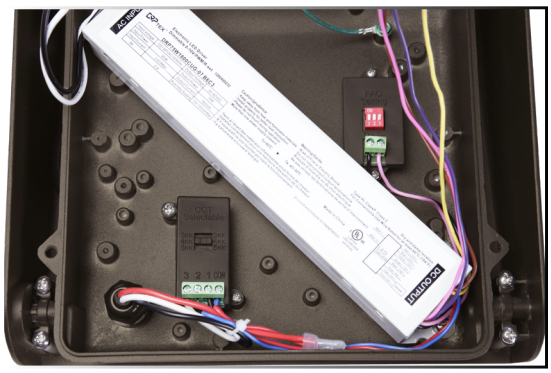
UL CERTIFIED | DLC LISTED PREMIUM | FC CLASS A CAN ICES-005 | RoHS COMPLIANT | IP65 | 5 YEAR LIMITED WARRANTY

Quick Facts

- Selectable configurations available
- Lumen packages range from 2,100-10,200 lumens
- Replaces 155W-375W HID equivalent
- Efficacies up to 130 lumens per watt
- Energy and maintenance savings up to 89%
- Heat and impact resistant borosilicate glass lens

Dimensional Details





Ordering Information

Model Number [1]	Lumens / Wattage	Color Temperature	Voltage	Controls
ASWPLED1S=Small LED Wall Pack	Selectable Lumens: 2,000-4,000 / 15-20-24-30W	Selectable CCT: 3000,4000,5000K / 70CRI	120-347V, 50/60Hz	Selectable Dusk-to-Dawn via Button-type photocontrol
ASWPLED2S=Medium LED Wall Pack	Selectable Lumens: 5,000-10,000 / 40-50-60-75W	Selectable CCT: 3000,4000,5000K / 70CRI	120-347V, 50/60Hz	Selectable Dusk-to-Dawn via Button-type photocontrol

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

Product Specifications

Construction
- Die-cast aluminum housing with hinged, removable die-cast aluminum door
- Three 1/2" threaded conduit entry points
- Removable mounting plate for easy installation
- Cast-in angle indicators

Optics
- Impact and heat resistant borosilicate refractive glass lens

Electrical
- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 2 driver incorporates internal fusing designed to withstand 3kV surge
- 0-10V dimming driver standard

Controls
- Selectable configurations supply internal toggle switches to adjust luminaire CCT and lumens. Selectable luminaires will ship default at 4000K CCT and maximum lumen output. Selectable configurations also provide an integrated button-type photocontrol for dusk-to-dawn operation. The photocontrol is also field-adjustable via toggle switches to either enable, disable, or modify the settings. The photocontrol ships default enabled.

Typical Applications
- Outdoor
- Parking Lots
- Walkways
- Building Areas

Finish
- Bronze

Shipping Data
- Unit Carton:
  - ASWPLED1S: 4.4 lbs.
  - ASWPLED2S: 9.1 lbs.
- Master Carton:
  - ASWPLED1S: 19.7 lbs. Qty 4
  - ASWPLED2S: 20.2 lbs. Qty 2

Energy and Performance Data

View WP IES files

Power and Lumens (ASWPLED1S Selectable)

Light Engine		Set to 15W	Set to 20W	Set to 24W	Set to 30W
Switch setting		3-ON	2-ON	1-ON	1,2,3-OFF
Power (Watts)		15	19.6	23.1	30.4
Input Current @ 120V (A)		0.13	0.16	0.19	0.25
Input Current @ 277V (A)		0.05	0.07	0.08	0.11
Input Current @ 347V (A)		0.04	0.06	0.07	0.09
Performance					
3000K	Lumens	2,083	2,569	2,964	3,733
	Lumens per Watt	138.9	131	128.3	122.8
4000K	Lumens	2,223	2,742	3,163	3,984
	Lumens per Watt	148.2	139.8	136.9	131.1
5000K	Lumens	2,154	2,657	3,065	3,860
	Lumens per Watt	143.6	135.4	132.6	127

CCT Multipliers

CCT	Multipliers
3000K	1.0000
4000K	1.0672
5000K	1.0340

Power and Lumens (ASWPLED2S Selectable)

Light Engine		Set to 40W	Set to 50W	Set to 60W	Set to 75W
Switch setting		3-ON	2-ON	1-ON	1,2,3-OFF
Power (Watts)		38.8	50.2	60.4	74.4
Input Current @ 120V (A)		0.32	0.42	0.50	0.62
Input Current @ 277V (A)		0.14	0.18	0.22	0.27
Input Current @ 347V (A)		0.16	0.21	0.25	0.31
Performance					
3000K	Lumens	5,492	6,916	8,086	9,575
	Lumens per Watt	141.5	137.7	133.9	128.7
4000K	Lumens	5,861	7,381	8,630	10,219
	Lumens per Watt	151	146.9	142.9	137.3
5000K	Lumens	5,679	7,151	8,361	9,900
	Lumens per Watt	146.3	142.4	138.5	133.1

Lumen Maintenance

Configuration	Ambient Temperature	TM-21 Lumen Maintenance (50,000 hrs)	Reported L70 (hrs)
Up to 30W	40°C	87.30%	>72,000
Up to 75W	40°C	86.90%	>72,000

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