

# ALT2

ARCHITECTURAL AREA/SITE

## FEATURES

- Elegant form factor
- High performance optics up to 35,000 delivered lumens
- Diffusion lens for low glare comfort
- NX™ wireless control options



## CONTROL TECHNOLOGY



## SPECIFICATIONS

### CONSTRUCTION

- One piece die-cast, low copper (<0.6% Cu) Aluminum Alloy 360 with vents and .100" minimum wall thickness
- Separate internal driver compartment rated for IP66 ingress protection
- Finish: fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat
- Standard colors include (BLS) Black Gloss Smooth, (BLT) Black Matte Textured, (DBS) Dark Bronze Gloss Smooth, (GTT) Graphite Matte Textured, (LGS) Light Gray Gloss Smooth, (PSS) Platinum Silver Smooth, (VGS) Verde Green Smooth, (WH) White, and (CC) Custom Color (Include RAL#)
- Lens is impact resistant 1/8" tempered glass with anti-reflective coating
- Lens has a one-piece extruded vulcanized silicone gasket
- Lens frame one piece die-cast, low copper (<0.6% Cu) Aluminum Alloy 360 and .100" minimum wall thickness
- Lens frame has a one-piece O-ring extruded vulcanized silicone gasket
- Mid-frame one piece die-cast, low copper (<0.6% Cu) Aluminum Alloy 360 and .100" minimum wall thickness
- Mid-frame secures to Lens Frame and housing by stainless steel recessed Allen-head screws
- Silicone gaskets throughout
- All external fasteners are stainless steel

### OPTICS

- LEDs mount to a metal printed circuit board assembly (MCPCB)
- Optical lenses are clear injection molded PMMA acrylic

### INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

### ELECTRICAL

- Universal voltage, 120 through 277V with a ±10% tolerance. Driver is Underwriters Laboratories recognized
- High voltage configurations, 347/480. Driver has a 0-10V dimming interface for multi-level illumination options. Driver is Underwriters Laboratories recognized
- "Thermal Shield", secondary side, thermistor provides protection for the sustainable life of LED module and electronic components
- Drivers shall have greater than a 0.9 power factor, less than 20% harmonic distortion, and be suitable for operation in -40°C to 40°C ambient environments
- Luminaire shall be capable of operating at 100% brightness in a 40°C environment. Both driver and optical array have integral thermal protection that will dim the luminaire upon detection of temperatures in excess of 85°C

### ELECTRICAL (CONTINUED)

- Dimming range from 10% to 100% through the use of standard 0-10V interface on the programmable driver
- Modular wiring harness in the service area provides user access to the dimming circuitry
- Optional factory programmed dimming profile
- Surge protection: 10,000k in parallel, 20,000k in series
- SF for 120, 277, 347 Line volts  
DF for 208, 240, 480 Line volts
- Wiring: No. 18AWM rated 105°C, wet rating.

### CERTIFICATIONS AND LISTINGS

- UL 1598 Standard for Luminaires
- IP66 certified
- RoHS compliant

### WARRANTY

- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	8,203–35,387
Wattage Range	160–285
Efficacy Range (LPW)	46–139
Reported Life (Hours)	L70/60,000
Weight	34.6 lbs 15.69 kg
EPS Front View / Side View	.44 / .85

# Altitude®



## RELATED PRODUCTS

[Ouro](#)

[Pavilion](#)

[PGL8](#)

**ALT2**

ARCHITECTURAL AREA/SITE

**ORDERING GUIDE**

**Example:** ALT2-100L-200-3K7-3-UNV-A34-GT-NXSPW30F-CLR

CATALOG #

**HOUSING**

ALT2		LED Engine		CCT/CRI		Distribution		Rotation		Voltage	
ALT2	Architectural Area/Site	<b>100L-160</b>	160W, 20,000 lm	<b>AM</b>	Amber <sup>9</sup>	<b>FR</b>	Type I/Front Row		Blank for no rotation	<b>UNV</b>	Universal 120–277V
		<b>100L-200</b>	200W, 25,000 lm	<b>3K7</b>	3000K, 70 CRI	<b>2</b>	Type II	<b>L</b>	Optic rotation left <sup>1</sup>	<b>347</b>	347V
		<b>100L-240</b>	240W, 30,000 lm	<b>3K8</b>	3000K, 80 CRI	<b>3</b>	Type III	<b>R</b>	Optic rotation right <sup>1</sup>	<b>480</b>	480V
		<b>100L-285</b>	285W, 35,000 lm	<b>3K9</b>	3000K, 90 CRI	<b>4</b>	Type IV				
				<b>4K7</b>	4000K, 70 CRI	<b>4W</b>	Type IV Wide				
				<b>4K8</b>	4000K, 80 CRI	<b>5QM</b>	Type V Square Medium				
				<b>5K7</b>	5000K, 70 CRI	<b>5QN</b>	Type V Square Narrow				
				<b>5K8</b>	5000K, 80 CRI	<b>5R</b>	Type V Rectangular				
						<b>5W</b>	Type V Wide (Round)				

Mounting		Fixture Finish		Control Options		Options		Control Accessories	
<b>ASQ</b>	Arm Square pole	<b>BL</b>	Black	<b>7PR</b>	7 pin PCR, wireless control enabled	<b>BC</b>	Backlight Control <sup>6</sup>	<b>SCPREMOTE</b>	Remote control for SCP option. Order at least one per project to program and control the occupancy sensor
<b>A34</b>	Arm mt 3.3–4.2" OD pole	<b>DB</b>	Dark Bronze	<b>7PR-TL</b>	7 pin PCR with twist lock photocontrol	<b>SF</b>	Single Fuse	<b>SW7PR</b>	SiteSync™ on fixture module via 7PR
<b>A46</b>	Arm mt 4.5–6.0" OD pole	<b>GT</b>	Graphite	<b>7PR-SC</b>	7 pin PCR with shorting cap	<b>DF</b>	Double Fuse	<b>SWUSB</b>	SiteSync™ Software on USB
<b>MAF</b>	Horizontal Slipfitter 2.375" OD arm	<b>LG</b>	Light Grey	<b>AD-012</b>	AstroDIM: 50% output at midnight	<b>TB</b>	Terminal Block	<b>SWTAB</b>	SiteSync™ Windows Tablet <sup>8</sup>
<b>SVSF</b>	Vertical Slipfitter Mount square for 2" pipe tenon, (2.375" OD)	<b>PS</b>	Platinum Silver	<b>AD-022</b>	AstroDIM: 50% output midnight to 4 AM	<b>CLR</b>	Clear Lens	<b>SWBRG</b>	SiteSync™ Wireless Bridge Node
<b>VSF</b>	Vertical Slipfitter Mount for 2" pipe tenon, (2.375" OD)	<b>TT</b>	Titanium	<b>AD-032</b>	AstroDIM: 50% output 10PM	<b>HDL</b>	Diffuse Lens <sup>7</sup>	<b>SWFC</b>	SiteSync™ Field Commission Service
<b>WB</b>	Wall Bracket for area wall mount	<b>WH</b>	White	<b>AD-042</b>	AstroDIM: 50% output 10PM to 4AM			<b>WIR-RME-L</b>	wISCAPE™ External Fixture Module
		<b>CC</b>	Custom Color <sup>2</sup>	<b>NXSP14F</b>	Wired NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' <sup>3,4</sup>			<b>NXOFM-1R1D-UNV</b>	NX External Contol Node
				<b>NXSP30F</b>	Wired NX, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30' <sup>3,4</sup>				
				<b>NXSPW14F</b>	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 14' <sup>3,4</sup>				
				<b>NXSPW30F</b>	NX Wireless, PIR Occupancy Sensor, Dimming Daylight Harvesting, 30' <sup>3,4</sup>				
				<b>NXWE</b>	NX Wireless Enabled				
				<b>SCL-8F</b>	Low voltage sensor for 3rd party wireless controls via 7PR. For mounting heights up to 8'				
				<b>SCL-40F</b>	Low voltage sensor for 3rd party wireless controls via 7PR. For mounting heights 9' to 40'				
				<b>SCP-8F</b>	Remote control programable line voltage sensor, use with SCPREMOTE				
				<b>SCP-40F</b>	Remote control programable line voltage sensor, use with SCPREMOTE				
				<b>SWP</b>	Site Sync™ Pre Commission Wireless Module <sup>3,4,5</sup>				
				<b>SWPM-40F</b>	Site Sync with Sensor 9' to 40' MH <sup>3,4,5</sup>				


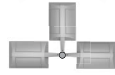






Notes:

- 1 Not available with 5QM and 5W distributions
- 2 Consult factory
- 3 Not available with other sensor or wireless control options
- 4 Not available in 480V
- 5 Specify group and zone at time of order. See [www.hubbellighting.com/sitesync](http://www.hubbellighting.com/sitesync) for more details. Order at least one SiteSync interface accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
- 6 Not available with Type 5 distributions, CLR, or HDL option
- 7 Only available in Type 3 or Type 5W
- 8 Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries
- 9 Wildlife friendly

**ALT2**

ARCHITECTURAL AREA/SITE

**PRODUCT EXCEPTIONS & DETAILS**

Configuration				EPA	Configuration				EPA
	1SA	1 Arm Side Mount		0.98		3SY*	3 Arm Side Mount		2.46
	2SB	2 Arm Side Mount		1.48		4SC	4 Arm Side Mount		2.46
	2SL	2 Arm Side Mount		1.96		1W	Single Wall Mount		n/a
	3ST	3 Arm Side Mount		2.20		HSF	Horizontal Slipfitter		n/a

**DELIVERED LUMENS**

LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI						
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
						B	U	G			B	U	G			B	U	G	
100L	160	20,000	No Lens	FR	20843	2	0	2	130	21939	2	0	2	137	22233	2	0	2	139
				FR-BC	12486	1	0	1	78	13142	1	0	1	82	13318	1	0	1	84
				2	19189	3	0	3	120	20198	3	0	3	126	20469	3	0	3	129
				2-BC	10631	1	0	2	66	11190	1	0	2	70	11340	1	0	2	72
				3	19729	2	0	4	123	20766	2	0	4	130	21044	2	0	4	132
				3-BC	9732	1	0	2	61	10244	1	0	2	64	10381	1	0	2	66
				4	19545	2	0	4	122	20573	2	0	4	129	20848	2	0	4	131
				4-BC	11562	1	0	2	72	12170	1	0	2	76	12333	1	0	2	78
				4W	19567	2	0	4	122	20596	2	0	4	129	20872	2	0	4	130
				4W-BC	8203	1	0	2	51	8634	1	0	2	54	8750	1	0	2	56
			5R	20311	4	0	4	127	21379	4	0	4	134	21665	4	0	4	135	
			5QM	20697	4	0	2	129	21785	4	0	2	136	22077	4	0	2	137	
			5QN	20265	4	0	1	127	21330	4	0	1	133	21616	4	0	1	136	
			5W	20116	5	0	3	126	21174	5	0	3	132	21457	5	0	3	134	
			Clear Lens	FR	19495	2	0	2	123	20520	2	0	2	130	20795	2	0	2	132
				2	17948	2	0	3	114	18892	3	0	3	120	19145	3	0	3	121
				3	18045	2	0	3	114	18994	2	0	3	120	19248	2	0	3	122
				4	18281	1	0	4	116	19242	2	0	4	122	19500	2	0	4	123
				4W	18302	2	0	4	116	19264	2	0	4	122	19522	2	0	4	124
				5R	18997	4	0	4	120	19996	4	0	4	127	20264	4	0	4	128
5QM	19359	4		0	2	123	20376	4	0	2	129	20649	4	0	2	131			
5QN	18954	4		0	1	120	19951	4	0	1	126	20218	4	0	1	128			
HDL Lens	5W	18815	5	0	3	119	19804	5	0	3	125	20069	5	0	3	127			
	3	15474	3	0	3	97	16287	3	0	3	102	16505	3	0	3	104			
				5W	16224	3	0	2	102	17076	3	0	2	107	17305	3	0	2	108

**DELIVERED LUMENS (CONTINUED)**

LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI						
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
						B	U	G			B	U	G			B	U	G	
100L	200	25,000	No Lens	FR	24095	2	0	2	122	25362	2	0	2	128	25702	2	0	2	130
				FR-BC	14434	1	0	1	73	15193	1	0	1	77	15396	1	0	1	78
				2	22183	3	0	3	112	23349	3	0	3	118	23662	3	0	3	120
				2-BC	12290	1	0	2	62	12936	1	0	2	65	13109	1	0	2	66
				3	22807	2	0	4	115	24006	3	0	4	121	24327	3	0	4	123
				3-BC	11251	1	0	2	57	11842	1	0	2	60	12001	1	0	2	61
				4	22595	2	0	4	114	23782	2	0	4	120	24101	2	0	4	122
				4-BC	13366	1	0	2	68	14069	1	0	3	71	14257	1	0	3	72
				4W	22620	3	0	4	114	23809	3	0	5	120	24128	3	0	5	122
				4W-BC	9483	1	0	2	48	9982	1	0	2	50	10115	1	0	2	51
				5R	23480	4	0	4	119	24714	4	0	4	125	25045	4	0	4	126
				5QM	23927	4	0	2	121	25184	4	0	2	127	25522	4	0	2	129
				5QN	23427	5	0	1	118	24658	5	0	1	125	24988	5	0	1	126
			5W	23255	5	0	3	117	24477	5	0	3	124	24805	5	0	3	125	
			Clear Lens	FR	22537	2	0	2	114	23722	2	0	2	120	24039	2	0	2	121
				2	20749	3	0	3	105	21839	3	0	3	110	22132	3	0	3	112
				3	21332	2	0	4	108	22453	2	0	4	113	22754	2	0	4	115
				4	21133	2	0	4	107	22244	2	0	4	112	22542	2	0	4	114
				4W	21157	2	0	4	107	22270	2	0	4	112	22568	3	0	4	114
				5R	21961	4	0	4	111	23116	4	0	4	117	23425	4	0	4	118
				5QM	22379	4	0	2	113	23556	4	0	2	119	23871	4	0	2	121
			HDL Lens	5QN	21912	4	0	1	111	23063	5	0	1	116	23372	5	0	1	118
				5W	21751	5	0	3	110	22894	5	0	3	116	23201	5	0	3	117
3	18134	3		0	3	92	19087	3	0	3	96	19343	3	0	3	98			
				5W	18490	3	0	2	93	19462	4	0	2	98	19723	4	0	2	100

**DELIVERED LUMENS (CONTINUED)**

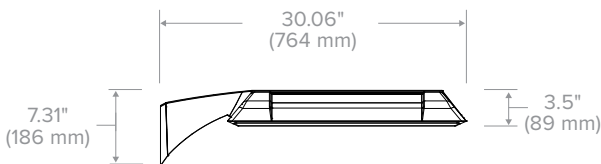
LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI						
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
						B	U	G			B	U	G			B	U	G	
100L	240	30,000	No Lens	FR	28520	2	0	2	118	30020	2	0	2	125	30422	2	0	2	126
				FR-BC	17085	1	0	1	71	17983	1	0	1	75	18223	1	0	1	76
				2	26257	3	0	4	109	27638	3	0	4	115	28008	3	0	4	116
				2-BC	14547	1	0	2	60	15312	1	0	2	64	15517	1	0	2	64
				3	26995	3	0	4	112	28415	3	0	4	118	28795	3	0	4	119
				3-BC	13317	1	0	2	55	14017	1	0	2	58	14205	1	0	2	59
				4	26744	2	0	4	111	28150	2	0	5	117	28527	2	0	5	118
				4-BC	15821	1	0	3	66	16653	1	0	3	69	16876	1	0	3	70
				4W	26775	3	0	5	111	28182	3	0	5	117	28559	3	0	5	119
				4W-BC	11225	1	0	2	47	11815	1	0	2	49	11973	1	0	2	50
				5R	27792	5	0	5	115	29253	5	0	5	121	29645	5	0	5	123
				5QM	28321	4	0	2	118	29809	5	0	3	124	30209	5	0	3	125
			5QN	27729	5	0	1	115	29187	5	0	1	121	29578	5	0	1	123	
			5W	27525	5	0	4	114	28972	5	0	4	120	29360	5	0	4	122	
			Clear Lens	FR	26676	2	0	2	111	28078	2	0	2	117	28454	2	0	2	118
				2	24559	3	0	3	102	25850	3	0	3	107	26196	3	0	4	109
				3	25249	3	0	4	105	26577	3	0	4	110	26933	3	0	4	112
				4	25014	2	0	4	104	26329	2	0	4	109	26682	2	0	4	111
				4W	25043	3	0	5	104	26359	3	0	5	109	26712	3	0	5	111
				5R	25995	5	0	5	108	27361	5	0	5	114	27728	5	0	5	115
				5QM	26489	4	0	2	110	27882	4	0	2	116	28255	4	0	2	117
				5QN	25936	5	0	1	108	27299	5	0	1	113	27665	5	0	1	115
			5W	25745	5	0	3	107	27099	5	0	3	112	27461	5	0	3	114	
			HDL Lens	3	21464	3	0	3	89	22593	3	0	3	94	22895	3	0	3	95
5W	21886	4		0	2	91	23036	4	0	2	96	23345	4	0	2	97			

**DELIVERED LUMENS (CONTINUED)**

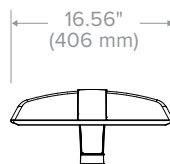
LEDs #	Nominal Watts	Nominal Lumens	Lens Options	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI						
					Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
						B	U	G			B	U	G			B	U	G	
100L	285	35,000	No Lens	FR	33175	2	0	2	116	34919	2	0	2	123	35387	2	0	2	124
				FR-BC	19873	1	0	1	70	20918	1	0	1	73	21198	1	0	1	74
				2	30543	3	0	4	107	32149	3	0	4	113	32579	3	0	4	114
				2-BC	16921	1	0	2	59	17811	1	0	2	62	18049	1	0	2	63
				3	31402	3	0	5	110	33052	3	0	5	116	33495	3	0	5	118
				3-BC	15490	1	0	3	54	16305	1	0	3	57	16523	1	0	3	58
				4	31109	2	0	5	109	32745	2	0	5	115	33183	2	0	5	116
				4-BC	18403	1	0	3	65	19371	1	0	3	68	19630	1	0	3	69
				4W	31145	3	0	5	109	32782	3	0	5	115	33221	3	0	5	117
				4W-BC	13057	1	0	2	46	13743	1	0	3	48	13927	1	0	3	49
				5R	32328	5	0	5	113	34028	5	0	5	119	34483	5	0	5	121
				5QM	32943	5	0	3	116	34675	5	0	3	122	35139	5	0	3	123
			5QN	32255	5	0	1	113	33951	5	0	1	119	34405	5	0	1	121	
			5W	32018	5	0	4	112	33701	5	0	4	118	34152	5	0	4	120	
			Clear Lens	FR	31030	2	0	2	109	32661	2	0	2	115	33098	2	0	2	116
				2	28568	3	0	4	100	30069	3	0	4	106	30472	3	0	4	107
				3	29371	3	0	4	103	30915	3	0	5	108	31329	3	0	5	110
				4	29097	2	0	5	102	30627	2	0	5	107	31037	2	0	5	109
				4W	29130	3	0	5	102	30662	3	0	5	108	31072	3	0	5	109
				5R	30237	5	0	5	106	31827	5	0	5	112	32253	5	0	5	113
				5QM	30813	5	0	3	108	32432	5	0	3	114	32867	5	0	3	115
			HDL Lens	5QN	30169	5	0	1	106	31755	5	0	1	111	32180	5	0	1	113
				5W	29947	5	0	4	105	31521	5	0	4	111	31944	5	0	4	112
				3	24968	3	0	3	88	26280	3	0	3	92	26632	3	0	3	93
				5W	25458	4	0	3	89	26796	4	0	3	94	27155	4	0	3	95

CRI Lumen Multiplier			Amber Multiplier	
CCT	80 CRI	90 CRI	CCT	Multiplier
3000K	0.9119	0.7033	5000K	1
4000K	0.8941	N/A	AM	0.1727

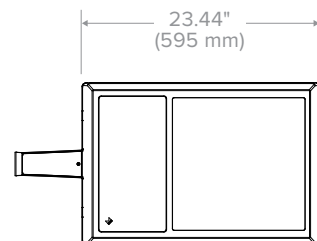
**DIMENSIONS**



Side View



Front View



Top View

# ALT2

ARCHITECTURAL AREA/SITE

## PHOTOMETRY

ALT2-100L-285-4k7-FR

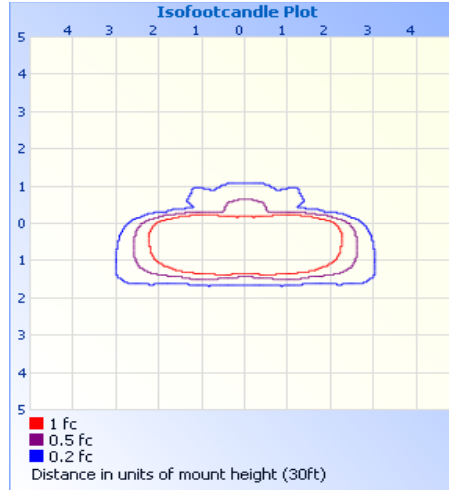
### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	34919
Watts	285
Efficacy	122.5
IES Type	II
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	31150	89.2%
Downward House Side	3769	10.8%
Downward Total	34919	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34919	100%

### ISOFOOT CANDLE PLOT



ALT2-100L-285-4k7-2

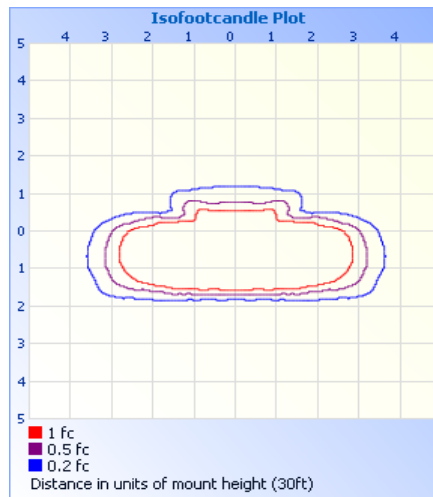
### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	32148
Watts	285
Efficacy	112.8
IES Type	II
BUG Rating	B3-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	26654	82.9%
Downward House Side	5494	17.1%
Downward Total	32148	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	32148	100%

### ISOFOOT CANDLE PLOT



ALT2-100L-285-4k7-3

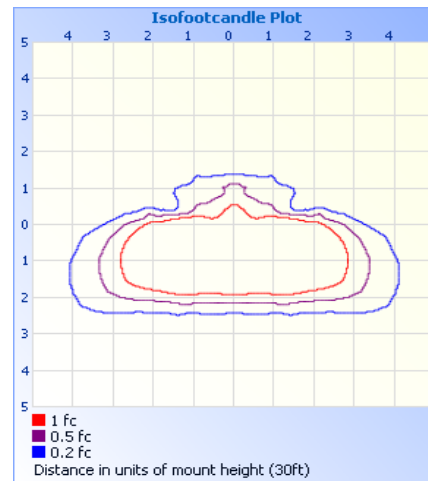
### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	33052
Watts	285
Efficacy	116.0
IES Type	III
BUG Rating	B3-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	28601	86.5%
Downward House Side	4451	13.5%
Downward Total	33052	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	33052	100%

### ISOFOOT CANDLE PLOT



# ALT2

ARCHITECTURAL AREA/SITE

## PHOTOMETRY CONTINUED

ALT2-100L-285-4k7-4

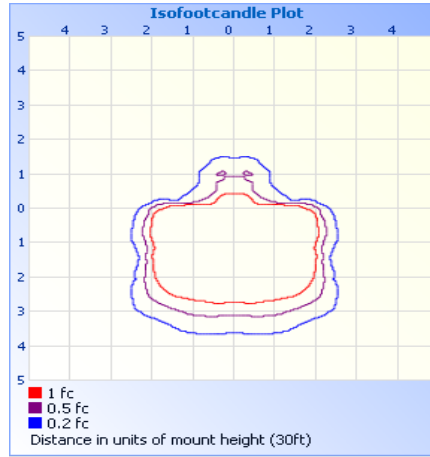
### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	32745
Watts	285
Efficacy	114.9
IES Type	IV
BUG Rating	B2-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	29689	90.7%
Downward House Side	3056	9.3%
Downward Total	32745	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	32745	100%

### ISOFOOT CANDLE PLOT



ALT2-100L-285-4k7-4W

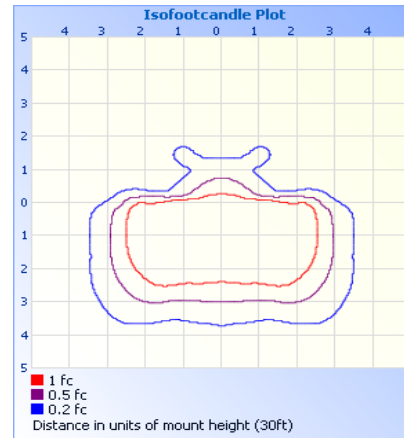
### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	32782
Watts	285
Efficacy	115.0
IES Type	IV
BUG Rating	B3-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	29219	89.1%
Downward House Side	3563	10.9%
Downward Total	32782	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	32782	100%

### ISOFOOT CANDLE PLOT



ALT2-100L-285-4k7-5R

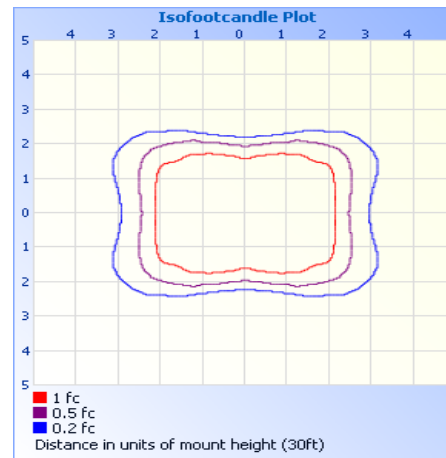
### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	34028
Watts	285
Efficacy	119.4
IES Type	III
BUG Rating	B5-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	17014	50.0%
Downward House Side	17014	50.0%
Downward Total	34028	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34028	100%

### ISOFOOT CANDLE PLOT





# ALT2

ARCHITECTURAL AREA/SITE

## PHOTOMETRY CONTINUED

### ALT2-100L-285-4k7-5QM

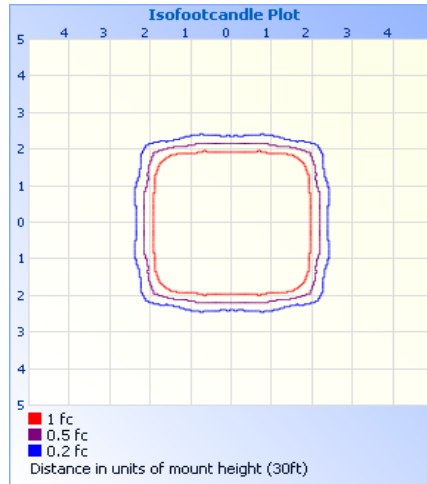
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	34674
Watts	285
Efficacy	121.7
IES Type	V
BUG Rating	B5-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	17337	50.0%
Downward House Side	17337	50.0%
Downward Total	34674	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	34674	100%

#### ISOFOOT CANDLE PLOT



### ALT2-100L-285-4k7-5QN

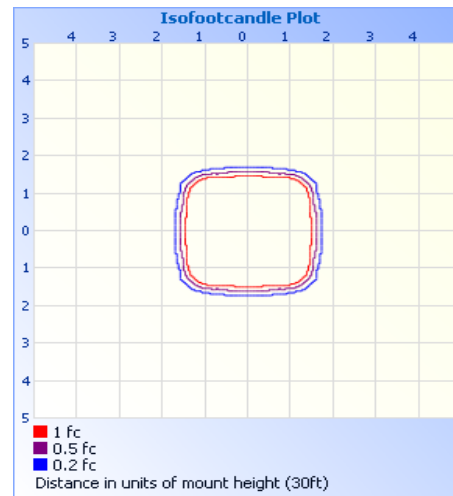
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	33951
Watts	285
Efficacy	119.1
IES Type	V
BUG Rating	B5-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	16976	50.0%
Downward House Side	16976	50.0%
Downward Total	33951	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	33951	100%

#### ISOFOOT CANDLE PLOT



### ALT2-100L-285-4k7-5W

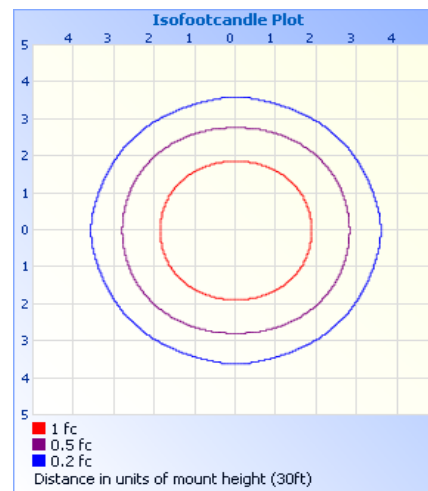
#### LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	33701
Watts	285
Efficacy	118.2
IES Type	V
BUG Rating	B5-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	16851	50.0%
Downward House Side	16851	50.0%
Downward Total	33701	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	33701	100%

#### ISOFOOT CANDLE PLOT

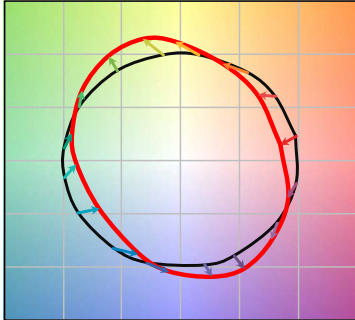


**ALT2**

ARCHITECTURAL AREA/SITE

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

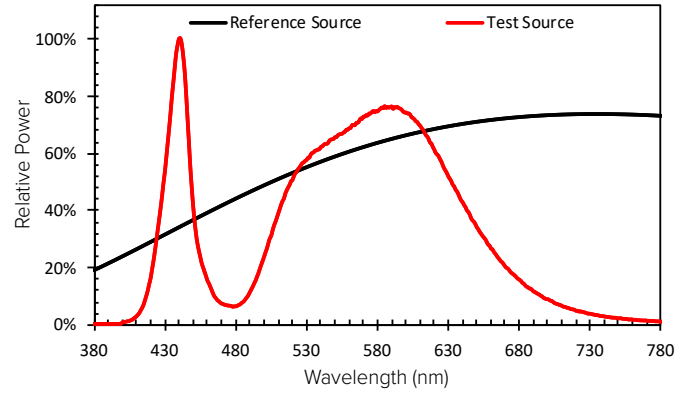


— Reference Illuminant — Test Source

**TEST SOURCE**

R <sub>f</sub>	68
R <sub>g</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

**SPECTRAL POWER DISTRIBUTION COMPARISON**



**ELECTRICAL DATA**

# LED	Electrical										Dimming						
	System Watts	Drive Current	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
100	160	500 mA	120-480	50/60	1.33	0.77	0.67	0.58	0.46	0.33	>0.9	20	10% to 100%	0mA	1mA	0V	10V
	198	600 mA			1.65	0.95	0.83	0.71	0.57	0.41							
	241	750 mA			2.01	1.16	1.00	0.87	0.69	0.50							
	285	875 mA			2.38	1.37	1.19	1.03	0.82	0.59							

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°C)						
Hours	0	25,000	36,000	50,000	100,000	Reported L70
Projected Lumen Maintenance	100%	93.9%	92.2%	90.2%	83.3%	>60000