

# ALT3

ARCHITECTURAL AREA/SITE

## FEATURES

- Elegant form factor
- High performance optics up to 50,000 delivered lumens
- Diffusion lens for low glare comfort
- NX™



## 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

# Altitude®



## RELATED PRODUCTS

[Ouro](#)

[Pavilion](#)

[PGL8](#)

KEY DATA	
Lumen Range	18,765–51,543
Wattage Range	307–387
Efficacy Range (LPW)	53–135
Reported Life (Hours)	L70/60,000
Weight	46.2 lbs 20.95 kg
EPS Front View / Side View	.50 / .98

**ALT3**

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**ORDERING GUIDE**

**Example:** ALT3-168L-350-3K7-3-UNV-A34-GT-NXSPW30F-CLR

CATALOG #

**HOUSING**

ALT3		LED Engine		CCT/CRI		Distribution		Rotation		Voltage	
ALT3	Architectural Area/Site	<b>168L-305</b>	305W, 40,000 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>168L-350</b>	350W, 45,000 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>168L-385</b>	385W, 50,000 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>4K7</b>	4000K, 70 CRI	<b>4</b>	Type IV				
		<b>4K8</b>	4000K, 80 CRI	<b>4W</b>	Type IV Wide						
		<b>5K7</b>	5000K, 70 CRI	<b>5QM</b>	Type V Square Medium						
		<b>5K8</b>	5000K, 80 CRI	<b>5QN</b>	Type V Square Narrow						
				<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 Control 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>				


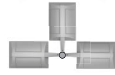






Notes:

- 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

**ALT3**

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	
168L	305	40,000	No Lens	FR	38736	3	0	2	126	40772	3	0	2	133	41318	3	0	2	135
				FR-BC	23115	1	0	1	75	24330	1	0	2	79	24656	1	0	2	81
				2	35485	3	0	4	116	37350	3	0	4	122	37850	3	0	4	123
				2-BC	19884	1	0	2	65	20930	1	0	2	68	21210	1	0	2	70
				3	36532	3	0	5	119	38452	3	0	5	125	38967	3	0	5	127
				3-BC	18765	1	0	3	61	19752	1	0	3	64	20016	1	0	3	66
				4	36767	2	0	5	120	38700	3	0	5	126	39218	3	0	5	128
				4-BC	21935	1	0	4	71	23088	1	0	4	75	23397	1	0	4	77
				4W	36699	3	0	5	120	38628	3	0	5	126	39146	3	0	5	128
				4W-BC	16647	1	0	3	54	17522	1	0	3	57	17757	1	0	3	59
			5R	37941	5	0	5	124	39935	5	0	5	130	40470	5	0	5	132	
			5QM	38191	5	0	3	124	40199	5	0	3	131	40737	5	0	3	133	
			5QN	38032	5	0	1	124	40031	5	0	1	130	40567	5	0	1	132	
			5W	37305	5	0	4	122	39266	5	0	4	128	39792	5	0	4	130	
			Clear Lens	FR	36230	2	0	2	118	38135	3	0	2	124	38646	3	0	2	126
				2	33190	3	0	4	108	34934	3	0	4	114	35402	3	0	4	115
				3	34169	3	0	5	111	35965	3	0	5	117	36447	3	0	5	119
				4	34389	2	0	5	112	36197	2	0	5	118	36682	2	0	5	119
				4W	34326	3	0	5	112	36130	3	0	5	118	36614	3	0	5	119
				5R	35487	5	0	5	116	37352	5	0	5	122	37853	5	0	5	123
5QM	35721	5		0	3	116	37599	5	0	3	122	38102	5	0	3	124			
5QN	35572	5		0	1	116	37442	5	0	1	122	37944	5	0	1	124			
HDL Lens	5W	34892	5	0	4	114	36727	5	0	4	120	37218	5	0	4	121			
	3	29047	3	0	3	95	30574	4	0	3	100	30983	4	0	3	101			
				5W	29662	5	0	3	97	31221	5	0	3	102	31639	5	0	3	103

**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	
168L	350	45,000	No Lens	FR	43308	3	0	3	124	45585	3	0	3	131	46195	3	0	3	133
				FR-BC	25844	1	0	2	74	27202	1	0	2	78	27566	1	0	2	79
				2	39673	3	0	4	114	41759	3	0	4	120	42318	3	0	4	122
				2-BC	22232	1	0	3	64	23400	1	0	3	67	23714	1	0	3	68
				3	40844	3	0	5	117	42991	3	0	5	124	43567	3	0	5	125
				3-BC	20980	1	0	4	60	22083	1	0	4	63	22379	1	0	4	64
				4	41107	3	0	5	118	43268	3	0	5	124	43847	3	0	5	126
				4-BC	24524	1	0	4	70	25813	1	0	4	74	26159	1	0	4	75
				4W	41031	3	0	5	118	43188	3	0	5	124	43766	3	0	5	126
				4W-BC	18612	1	0	3	53	19591	1	0	4	56	19853	1	0	4	57
				5R	42419	5	0	5	122	44649	5	0	5	128	45247	5	0	5	130
				5QM	42699	5	0	3	123	44944	5	0	3	129	45546	5	0	4	131
				5QN	42522	5	0	1	122	44757	5	0	1	129	45356	5	0	1	130
			5W	41709	5	0	4	120	43901	5	0	4	126	44489	5	0	5	128	
			Clear Lens	FR	40507	3	0	2	116	42637	3	0	3	123	43207	3	0	3	124
				2	37107	3	0	4	107	39058	3	0	4	112	39581	3	0	4	114
				3	38664	3	0	5	111	40697	3	0	5	117	41242	3	0	5	118
				4	38449	3	0	5	110	40470	3	0	5	116	41012	3	0	5	118
				4W	38377	3	0	5	110	40395	3	0	5	116	40936	3	0	5	118
				5R	39676	5	0	5	114	41762	5	0	5	120	42321	5	0	5	122
				5QM	39938	5	0	3	115	42037	5	0	3	121	42600	5	0	3	122
				5QN	39771	5	0	1	114	41862	5	0	1	120	42423	5	0	1	122
			5W	39011	5	0	4	112	41062	5	0	4	118	41612	5	0	4	120	
HDL Lens	3	32720	4	0	3	95	34440	4	0	3	100	34901	4	0	3	101			
	5W	34150	5	0	3	99	35945	5	0	3	104	36426	5	0	3	105			

**ALT3**

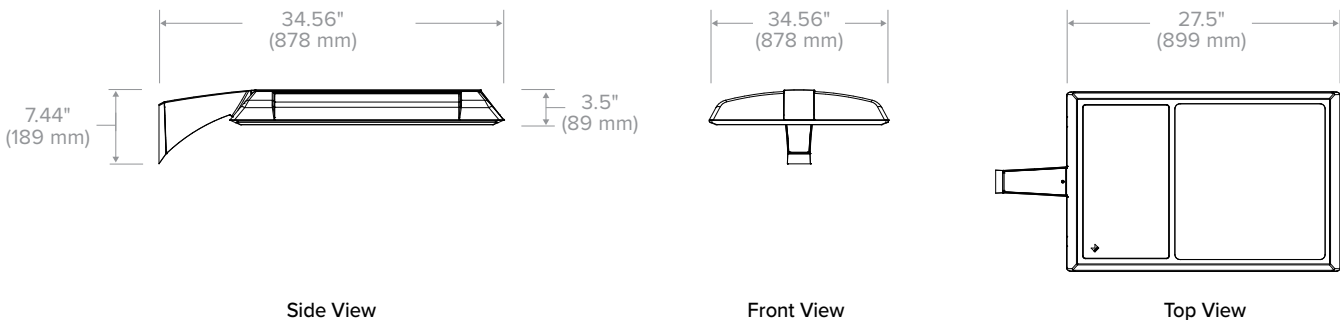
ARCHITECTURAL AREA/SITE

**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				
168L	385	50,000	No Lens	FR	48322	3	0	3	125	50862	3	0	3	131	51543	3	0	3	133			
				FR-BC	28836	1	0	2	75	30351	1	0	2	78	30758	1	0	2	79			
				2	44266	3	0	5	114	46593	4	0	5	120	47217	4	0	5	122			
				2-BC	24805	1	0	3	64	26109	1	0	3	67	26459	1	0	3	68			
				3	45573	3	0	5	118	47968	3	0	5	124	48611	3	0	5	126			
				3-BC	23409	1	0	4	60	24640	1	0	4	64	24969	1	0	4	65			
				4	45866	3	0	5	119	48277	3	0	5	125	48924	3	0	5	126			
				4-BC	27363	1	0	4	71	28802	1	0	4	74	29187	1	0	4	75			
				4W	45781	3	0	5	118	48188	3	0	5	125	48833	3	0	5	126			
				4W-BC	20767	1	0	4	54	21859	1	0	4	56	22151	1	0	4	57			
				5R	47330	5	0	5	122	49818	5	0	5	129	50485	5	0	5	130			
				5QM	47642	5	0	4	123	50147	5	0	4	130	50818	5	0	4	131			
				5QN	47444	5	0	1	123	49938	5	0	1	129	50607	5	0	1	131			
				5W	46537	5	0	5	120	48984	5	0	5	127	49640	5	0	5	128			
			Clear Lens	FR	45197	3	0	3	117	47573	3	0	3	123	48210	3	0	3	125			
				2	41403	3	0	4	107	43580	3	0	5	113	44163	3	0	5	114			
				3	42625	3	0	5	110	44866	3	0	5	116	45467	3	0	5	117			
				4	42900	3	0	5	111	45155	3	0	5	117	45759	3	0	5	118			
				4W	42820	3	0	5	111	45071	3	0	5	116	45675	3	0	5	118			
				5R	44269	5	0	5	114	46596	5	0	5	120	47220	5	0	5	122			
				5QM	44561	5	0	3	115	46904	5	0	4	121	47532	5	0	4	123			
			HDL Lens	5QN	44376	5	0	1	115	46708	5	0	1	121	47334	5	0	1	122			
				5W	43527	5	0	4	112	45816	5	0	5	118	46429	5	0	5	120			
							3	36235	4	0	3	94	38140	4	0	3	99	38651	4	0	4	100
							5W	37002	5	0	3	96	38947	5	0	3	101	39469	5	0	3	102

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**



# ALT3

ARCHITECTURAL AREA/SITE

## PHOTOMETRY

ALT3-100L-285-4k7-FR

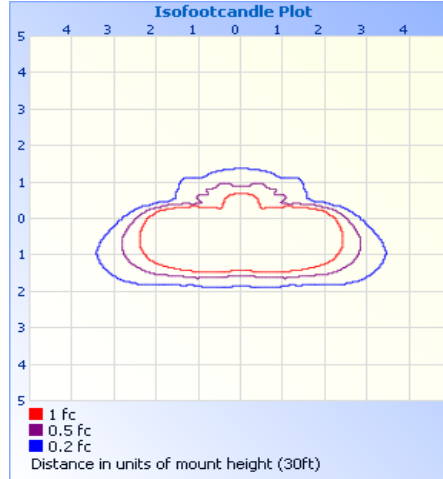
### LUMINAIRE DATA

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

### 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



ALT3-100L-285-4k7-2

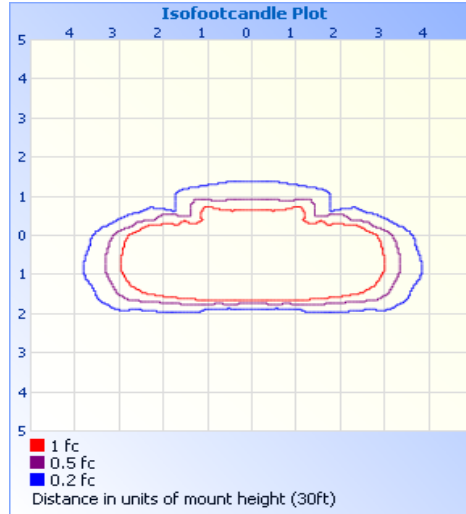
### LUMINAIRE DATA

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

### 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



ALT3-100L-285-4k7-3

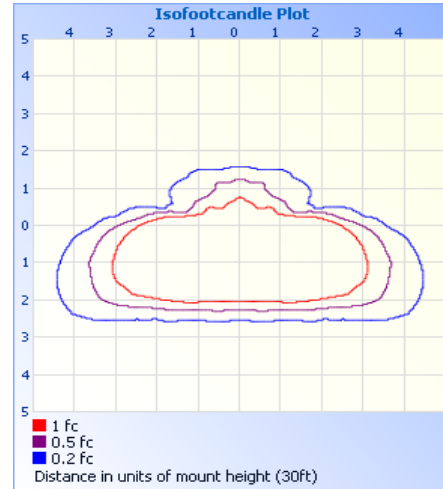
### LUMINAIRE DATA

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

### 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



**ALT3**

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**PHOTOMETRY CONTINUED**

ALT3-168L-385-4k7-4

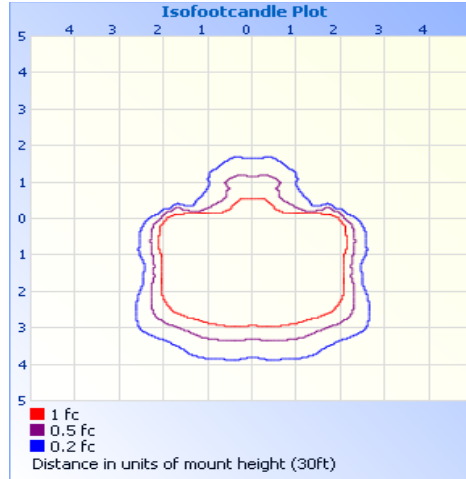
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	48277
Watts	387
Efficacy	124.7
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	43688	90.5%
Downward House Side	4589	9.5%
Downward Total	48277	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	48277	100%

**ISOFOOT CANDLE PLOT**



ALT3-168L-385-4k7-4W

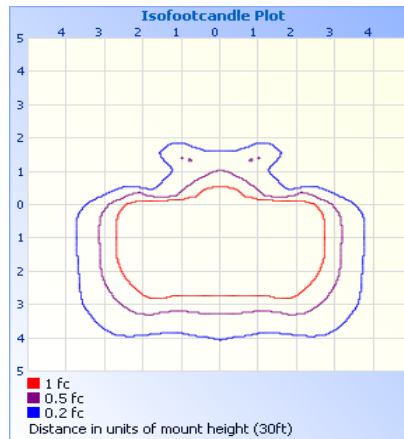
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	48187
Watts	387
Efficacy	124.5
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	42640	88.5%
Downward House Side	5547	11.5%
Downward Total	48187	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	48187	100%

**ISOFOOT CANDLE PLOT**



ALT3-168L-385-4k7-5R

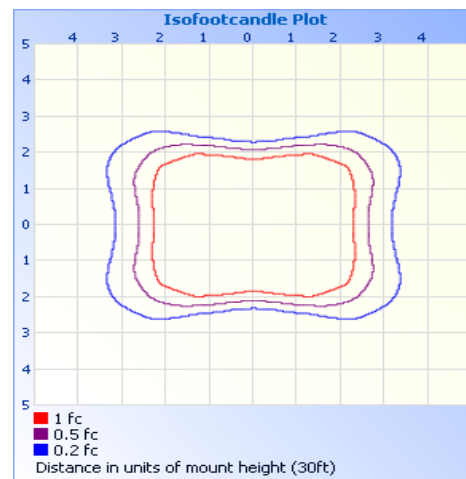
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	49819
Watts	387
Efficacy	128.7
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	24910	50.0%
Downward House Side	24910	50.0%
Downward Total	49819	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	49819	100%

**ISOFOOT CANDLE PLOT**



# ALT3

ARCHITECTURAL AREA/SITE

ALT3-168L-385-4k7-5QM

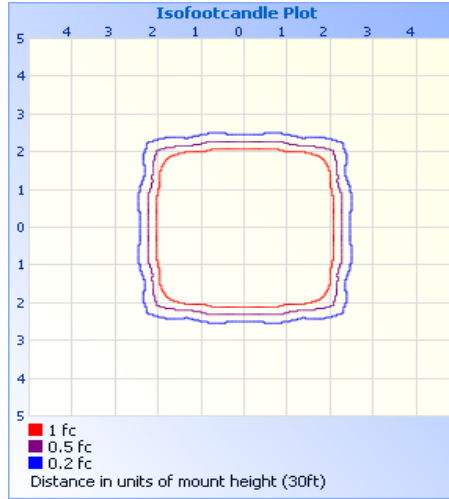
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	50148
Watts	387
Efficacy	129.6
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	25074	50.0%
Downward House Side	25074	50.0%
Downward Total	50148	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	50148	100%

**ISOFOOT CANDLE PLOT**



ALT3-168L-385-4k7-5QN

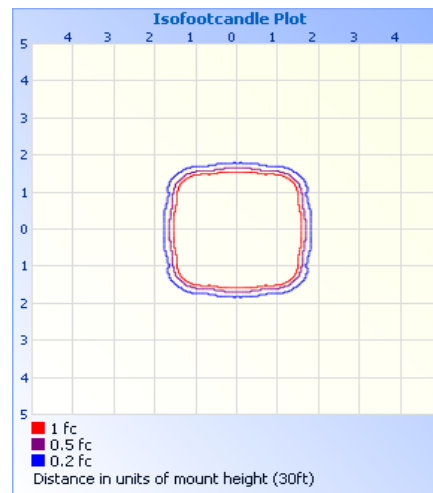
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	49938
Watts	387
Efficacy	129.0
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	24969	50.0%
Downward House Side	24969	50.0%
Downward Total	49938	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	49938	100%

**ISOFOOT CANDLE PLOT**



ALT3-168L-385-4k7-5W

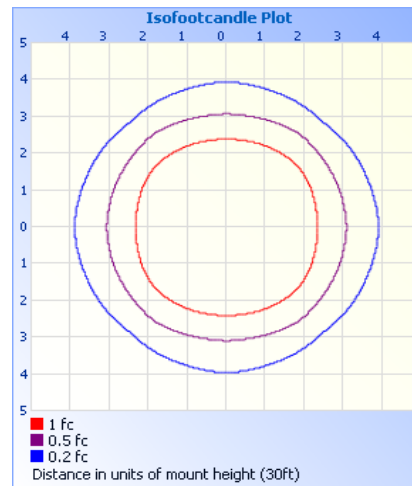
**LUMINAIRE DATA**

Description	4000K, 70CRI
Delivered Lumens	48984
Watts	387
Efficacy	126.6
IES Type	V
BUG Rating	B5-U0-G5
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	24492	50.0%
Downward House Side	24492	50.0%
Downward Total	48984	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	48984	100%

**ISOFOOT CANDLE PLOT**



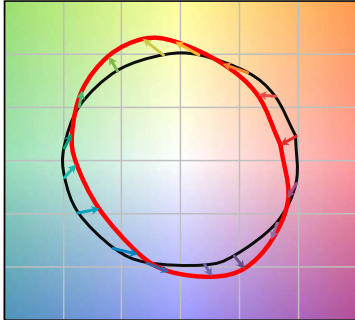


**ALT3**

ARCHITECTURAL AREA/SITE

**TM-30 DATA**

**COLOR VECTOR GRAPHIC**

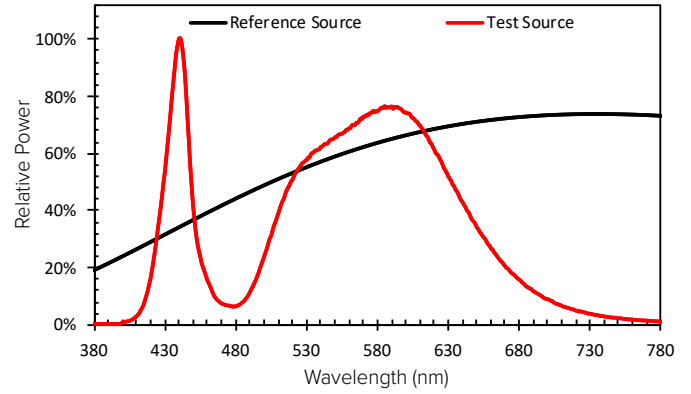


— Reference Illuminant — Test Source

**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**

Light Engine	System Watts	Drive Current	Electrical								Min. Power Factor	Max THD (%)	Dimming Range	Dimming			
			Line Voltage		Amps AC									Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
			VAC	Hz	120	208	240	277	347	480				Min	Max	Min	Max
168L	307	575 mA	120-480	50/60	2.56	1.48	1.28	1.11	0.88	0.64	>0.9	20	10% to 100%	0mA	1mA	0V	10V
	348	650 mA			2.90	1.67	1.45	1.26	1.00	0.73							
	387	725 mA			3.23	1.86	1.61	1.40	1.12	0.81							

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%	93.8%	92.1%	90.0%	83.3%	>60000	