

asttech

ALBERT SMITH TECHNOLOGIES

Canopy Light Square Series

Features

- Patented “Independent Pixel Heat Sink” resulting in unrivalled heat dissipation
- Standard color temperature offering 4000K or 5000K.
- Easily accessible high efficiency power supply
- Customizable lens distribution & color temperature depending on application requirements (optional)
- Unique lightweight aluminum housing design
- Electro-statically applied polyester powder coat finish
- Highly efficient global brand LEDs for exceptional quality, reliability and lumen maintenance



Optical Performance

- Color temperature: 4000K, 5000K
- Beam pattern: canopy symmetric
- Optimum canopy light distribution

Electrical Specifications

- Power input: 120-277 VAC 50/60Hz
- Power factor: ≥90%
- THD <20% at full load
- 0-100% dimming control(optional)
- Power consumption: 80-120 W

Test & Certifications

- ETL certified
- UL standard 1598 & 8750 and 1012
- CSA C22.2 No.107.1 and No.250.0
- LM79, LM80
- RoHS compliant (optional)



LED Performance Specifications

400mA Fixture Operating at 25°C						450mA Fixture Operating at 25°C						Compares with (approx. only)
Model (LEDs)	Initial Delivered Lumens – Nominal@4000K	Initial Delivered Lumens – Nominal@5000K	System Watts 120-277V	Total Current @ 120V	B U G * Rating	Model (LEDs)	Initial Delivered Lumens – Nominal@ 4000K	Initial Delivered Lumens – Nominal@ 5000K	System Watts 120-277V	Total Current @ 120V	B U G * Rating	
C0820- 80W(60leds)	6480	7200	80	0.67	3 1 1	C0820 – 90W (60leds)	7043	7826	90	0.76	3 1 1	150W MH 175W MH
C0820- 90W(70leds)	7535	8372	92	0.77	3 1 1	C0820 – 110W(70leds)	8140	9044	105	0.87	3 1 1	175W MH 250W MH
C0820-110W(80leds)	8611	9568	106	0.87	3 2 1	C0820 – 120W(80leds)	9280	10310	120	0.98	3 2 1	250W MH 320W MH
C0820-120W(90leds)	9730	10810	117	0.98	3 2 1	C0820 – 140W(90leds)	10393	11547	135	1.09	3 2 1	320W MH 400W MH

Note: * B.U.G. rating listed for lens #39 only. All models with lens #38 are B.U.G. rated 3.1.1.

Ordering information

1. Product Series	2. Mounting Option	3. Wattage	4. Color Temperature	5. LED Current	6. Lens Type	7. Finish	8. Accessories
C0820	FC - Flush Mounting	80W	4000 - 4000K	400 mA	N38	W - White	N - None
	Canopy Lighting	100W	5000 - 5000K	450 mA	N39	Y - Yellow	P - Photo Sensor
		EC - Embedded Flush Mounting	110W			B - Black	D - Dimming Control
		120W			S - Silver	(0-100%)	

Example: C0820 - FC - 120W - 5000 - 400 - N38 - W - N
1 2 3 4 5 6 7 8

ASTECH (a Division of the Albert Smith Group)

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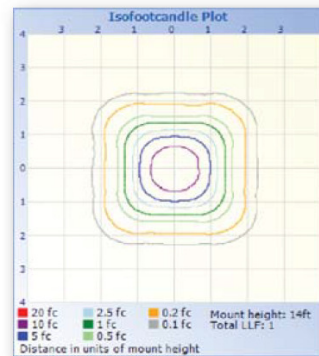
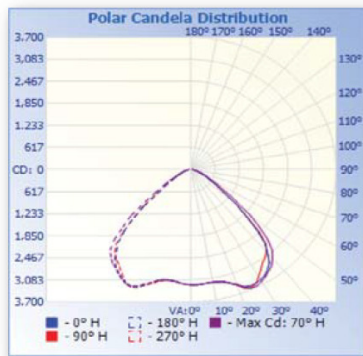
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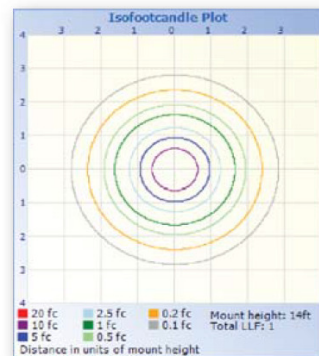
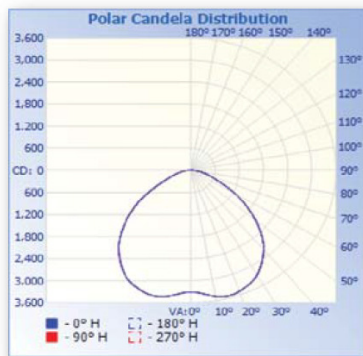
Canopy Light Square Series

Illumination Diagrams

Model	110W
Lens Type	N38
Color Temperature	5000K
Operating Current	450mA
Lumens	9044 lm

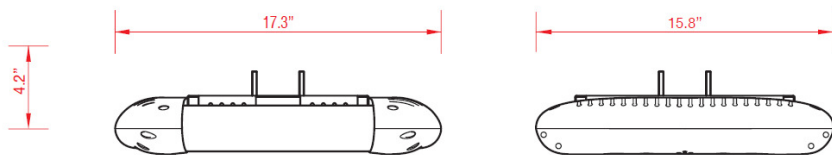


Model	110W
Lens Type	N39
Color Temperature	5000K
Operating Current	400mA
Lumens	9568 lm

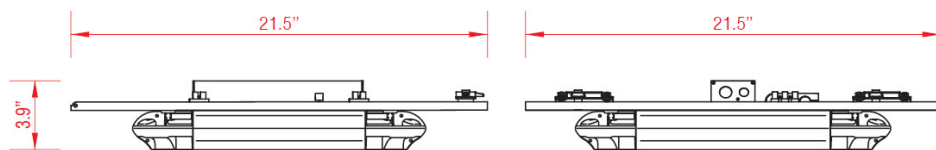


Mounting Options

FC Series



EC Series



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