

DESCRIPTION

The CAC Series correctional grade LED corner-mount luminaire is designed for maximum-security and behavioral-health facilities including correctional institutions, detention centers, psychiatric wards, or any high-abuse environment requiring ligature-resistant, tamper-proof lighting in corners, on walls, or on ceilings. Offered in 2, 4, and 8 foot lengths with static color temperatures from 3000K-5000K CCT and lumen packages from 4,000 to 16,000 lumens, the CAC delivers durable, high-performance illumination in a low-profile triangular surface-mount housing.

SPECIFICATIONS

Construction:

- Cold rolled steel or stainless steel enclosure
- Die-formed, TIG and spot welded
- Durable TGIC polyester powder coating featuring a 5-stage pre-treatment for superior adhesion and corrosion protection.
- Available in white or antimicrobial white paint that inhibits growth of bacteria on the fixture surface
- Tested to 1,000 hours salt spray with 92% reflectance
- Stainless steel tamper resistant T25 Torx hardware

Optics/LEDs:

- Symmetrical high-efficiency reflector optimized for maximum downward light throw
- Optional inner clear or diffused lens for uniform LED diffusion
- Outer polycarbonate or glass lens for maximum impact resistance, IK10 with .187 Clear polycarbonate lens (P3)
- Lumen packages from 4,000 to 40,000 lumens
- 3000K, 3500K, 4000K, 5000K CCT
- CRI ≥ 82, optional 90CRI (Option: 90)
- Efficacy up to 165 lumens per watt
- L70 > 100,000 hours

Electrical:

- Universal 120/277VAC, 50/60Hz
- 0-10V Dimming driver
- Power factor ≥ 0.90

Installation:

- For corner, wall or ceiling surface mount installation
- Ligature-resistant when mounted with top of fixture and at least 3 sides flush with ceiling/walls, and the addition of pick-proof sealant caulk (supplied by others) is used on all edges

Options:

- Integral Battery Backup provides 14-watt emergency for continued illumination during power loss (Option: BB)
- LED Night Light offers low-level lighting without full illumination (Option: LN)
- Sealed construction suitable for Wet Locations. (Option: WL)
- High color-rendering LEDs with ≥90 CRI for improved color accuracy (Option: 90)

Testing & Compliance:

- cETL Listed for Damp Locations
- Optional Wet Location (Option: WL)
- IK10 Rated with outer .187 clear polycarbonate lens (P3)
- Buy American Act compliant
- Build America, Buy America Act compliant
- Operating temperatures: -30°C to 50°C (-22°F to 122°F)

Warranty:

- Five Year Warranty (Terms and Conditions Apply)

Model: _____ Date: _____
Accessories: _____
Job Name: _____ Type: _____



APPLICATIONS

- Cells
- Dayrooms (Correctional)
- Locker Rooms
- Washrooms (Correctional)
- Restrooms
- Stairwells
- Showers
- Sally Ports
- Behavioral Health



OPTIONAL

Specs at a Glance

Model	CAC-2	CAC-4	CAC-8
Wattage (W)*	25W - 55W	25W - 83.2W	25W - 250W
Lumens (lm)	4,000 - 8,000	4,000 - 20,000	4,000 - 40,000
Efficacy (LPW)	Up to 165		
CCT (K)	3000K, 3500K, 4000K, 5000K		
CRI	≥82, Optional 90		
Input Voltage	120/277VAC, 50/60Hz		
Operating Temp	-30°C to 50°C (-22°F to 122°F)		
Certifications	cETL Listed for Damp Locations Optional Wet Location and IK10 Rating		
Warranty	5 Years		

* Nominal Wattage, tested at 4000K CCT. See performance table for details.

Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

ORDERING INFORMATION (Example: CAC-2-25-N-VS-3K-C-14-N-AM-90)

Model	Length	Wattage	Inner Lens	Voltage	CCT	Housing/Door Material	Gauge
CAC	2' = 2'	25 = 25 Watt	N = No Lens	VS = 120/277VAC	3K = 3000K	C = Cold Rolled Steel	14 = 14 Gauge
	4' = 4'	55 = 55 Watt	PA1 = .125 Prismatic Acrylic		35K = 3500K	S = Stainless Steel	16 = 16 Gauge
	8 = 8'	79 = 79 Watt	PA2 = .156 Prismatic Acrylic		4K = 4000K		
		83 = 83 Watt	PP1 = .125 Prismatic Polycarbonate		5K = 5000K		
		90 = 90 Watt	PP2 = .187 Prismatic Polycarbonate				
		111 = 111 Watt	TG = .156 Prismatic Tempered Glass				
		125 = 125 Watt					
		150 = 150 Watt					
		187 = 187 Watt					
		250 = 250 Watt					

Outer Lens ³	Finish	Driver	Options (Factory Installed)
N = No Lens	AM = Antimicrobial White Paint	BLANK = 0-10V 1% Dimming Driver	90 = 90 CRI
P1 = .125 Clear Polycarbonate	WH = White		BB = 14 Watt Battery Backup
P2 = .156 Clear Polycarbonate			WL = Wet Location
P3 = .187 Clear Polycarbonate			
P4 = .250 Clear Polycarbonate			
P5 = .375 Clear Polycarbonate			
TG1 = .187 Clear Tempered Glass			Notes:
TG2 = .250 Clear Tempered Glass			¹ Only available in 25 and 55 Watt
TG3 = .375 Clear Tempered Glass			² Only available in 25, 55, 79, 83, 90, 111 and 125w Watt
TG4 = .500 Clear Tempered Glass			³ IK10 rated with P3 lens

PERFORMANCE DATA

Model	Wattage	CCT	Lumens	LPW	CRI
CAC-X-25	25W	3000	3760	150	≥82
CAC-X-25	25W	3500	3880	155	≥82
CAC-X-25	25W	4000	4000	160	≥82
CAC-X-25	25W	5000	4120	165	≥82
CAC-X-55	55.2W	3000	7520	136	≥82
CAC-X-55	55.2W	3500	7760	141	≥82
CAC-X-55	55.2W	4000	8000	145	≥82
CAC-X-55	55.2W	5000	8240	149	≥82
CAC-X-79	79.1W	3000	10340	131	≥82
CAC-X-79	79.1W	3500	10670	135	≥82
CAC-X-79	79.1W	4000	11000	139	≥82
CAC-X-79	79.1W	5000	11330	143	≥82
CAC-X-83	83.2W	3000	11280	136	≥82
CAC-X-83	83.2W	3500	11640	140	≥82
CAC-X-83	83.2W	4000	12000	144	≥82
CAC-X-83	83.2W	5000	12360	149	≥82
CAC-X-90	90.1W	3000	12220	136	≥82
CAC-X-90	90.1W	3500	12610	140	≥82
CAC-X-90	90.1W	4000	13000	144	≥82
CAC-X-90	90.1W	5000	13390	149	≥82
CAC-X-111	111W	2700	14560	131	≥82
CAC-X-111	111W	3000	15040	135	≥82
CAC-X-111	111W	3500	15520	140	≥82
CAC-X-111	111W	4000	16000	144	≥82
CAC-X-111	111W	5000	16480	148	≥82

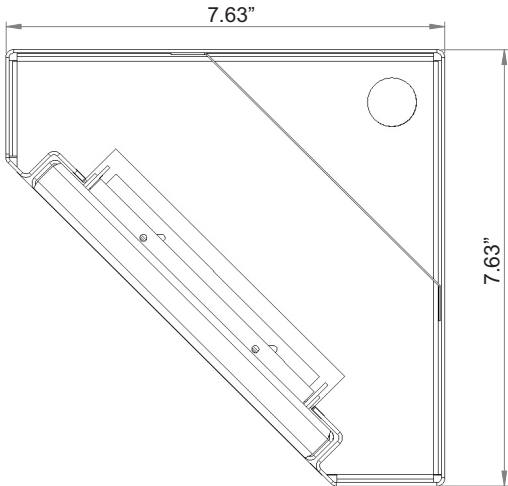
Specifications are subject to change without notice.
Installation must be performed in accordance with
Barron Lighting Group installation instructions.

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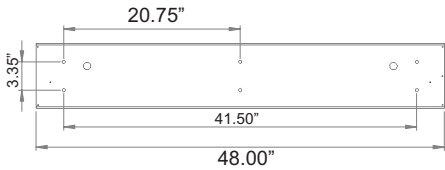
PERFORMANCE DATA (continued)

Model	Wattage	CCT	Lumens	LPW	CRI
CAC-X-125	125W	3000	18800	150	≥82
CAC-X-125	125W	3500	19400	155	≥82
CAC-X-125	125W	4000	20000	160	≥82
CAC-X-125	125W	5000	20600	165	≥82
CAC-X-150	150W	3000	22560	150	≥82
CAC-X-150	150W	3500	23280	155	≥82
CAC-X-150	150W	4000	24000	160	≥82
CAC-X-150	150W	5000	24720	165	≥82
CAC-X-187	187W	3000	28200	151	≥82
CAC-X-187	187W	3500	29100	156	≥82
CAC-X-187	187W	4000	30000	160	≥82
CAC-X-187	187W	5000	30900	165	≥82
CAC-X-250	250W	3000	37600	150	≥82
CAC-X-250	250W	3500	38800	155	≥82
CAC-X-250	250W	4000	40000	160	≥82
CAC-X-250	250W	5000	41200	165	≥82

DIMENSIONS



CAC-4



CAC-8

