ALCON LIGHTING

SPECIFICATION SHEET

Shop Now

Project Name: _____ Type: _____ Quantity: _____

INTENDED USE

This square LED canopy light is a high-performance, energy-efficient solution for surface-mount applications in commercial buildings, retail spaces, and educational facilities. Its durable housing provides excellent heat dissipation, ensuring long-lasting performance, while a precision-engineered optical lens reduces glare and enhances illumination quality. Featuring adjustable color temperature and wattage settings, this versatile fixture adapts to various lighting needs. Optional features, including a PIR motion sensor for heat detection and an emergency battery backup, enhance reliability and functionality. Designed for effortless installation, it includes an external quick-mounting plate for standard surface mounting and is compatible with a pendant mount.

FEATURES

Construction: Die-cast aluminum with corrosion-resistant powder coating
Lens: anti-UV prismatic translucent engineered to enhance light distribution and ensure uniform illumination
Mounting: Designed for J-BOX surface installation and compatible with a 3/4" pendant mount. Features 1/2" knock-out holes on three sides for easy surface conduit wiring.
Color Temperature: 40/50K Selectable switch
Finish: White, Black, Dark Bronze
Voltage: 120-277VAC
Driver: 0-10V dimming down to 10%
Power Adjustable: 100%, 80%, 60%, 40%.
CRI: 70+
Power Factor: ≥90%
Total Harmonic Distortion: <20%
Operating Temperature: −40°F to 104°F
Life: 50,000 Hours
Optional Emergency Battery: 5 Watts, 800 lumens, 90min
Listing: UL cUL wet location listed, DLC Premium
Warranty: 5 years carefree for parts & components (Labor not included).
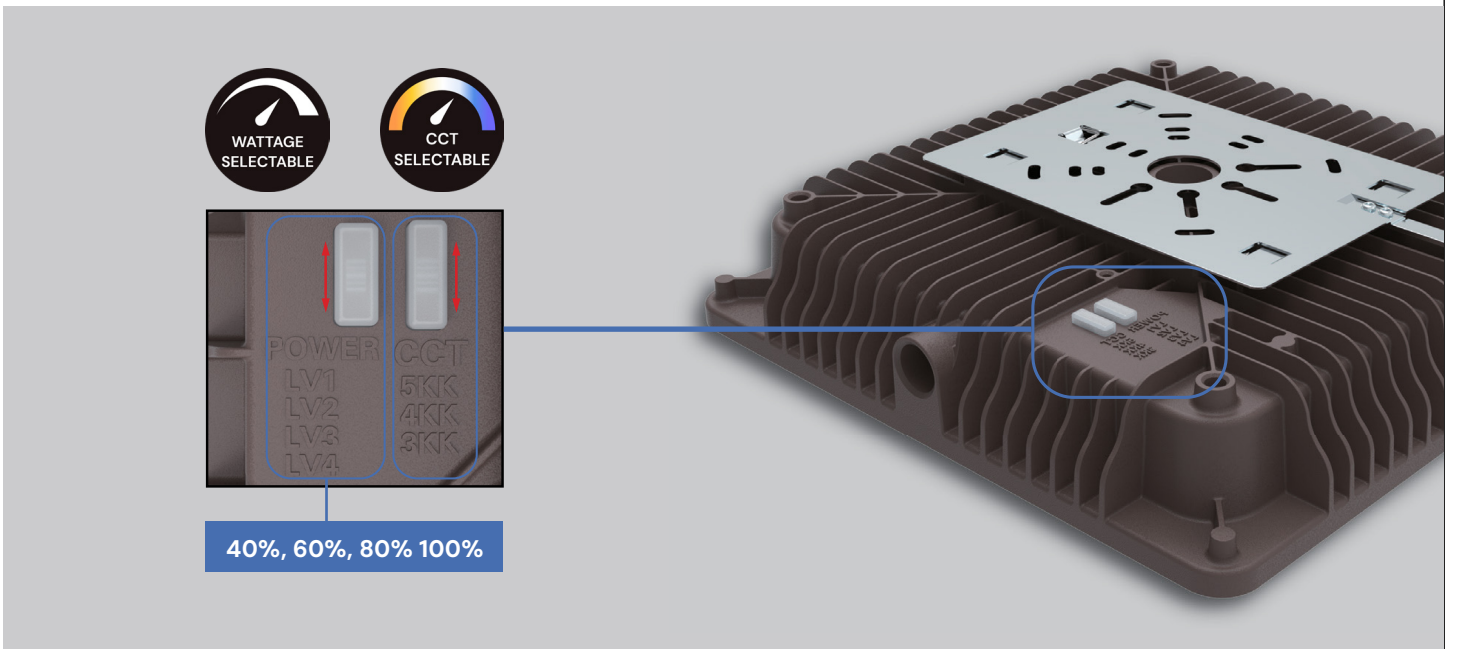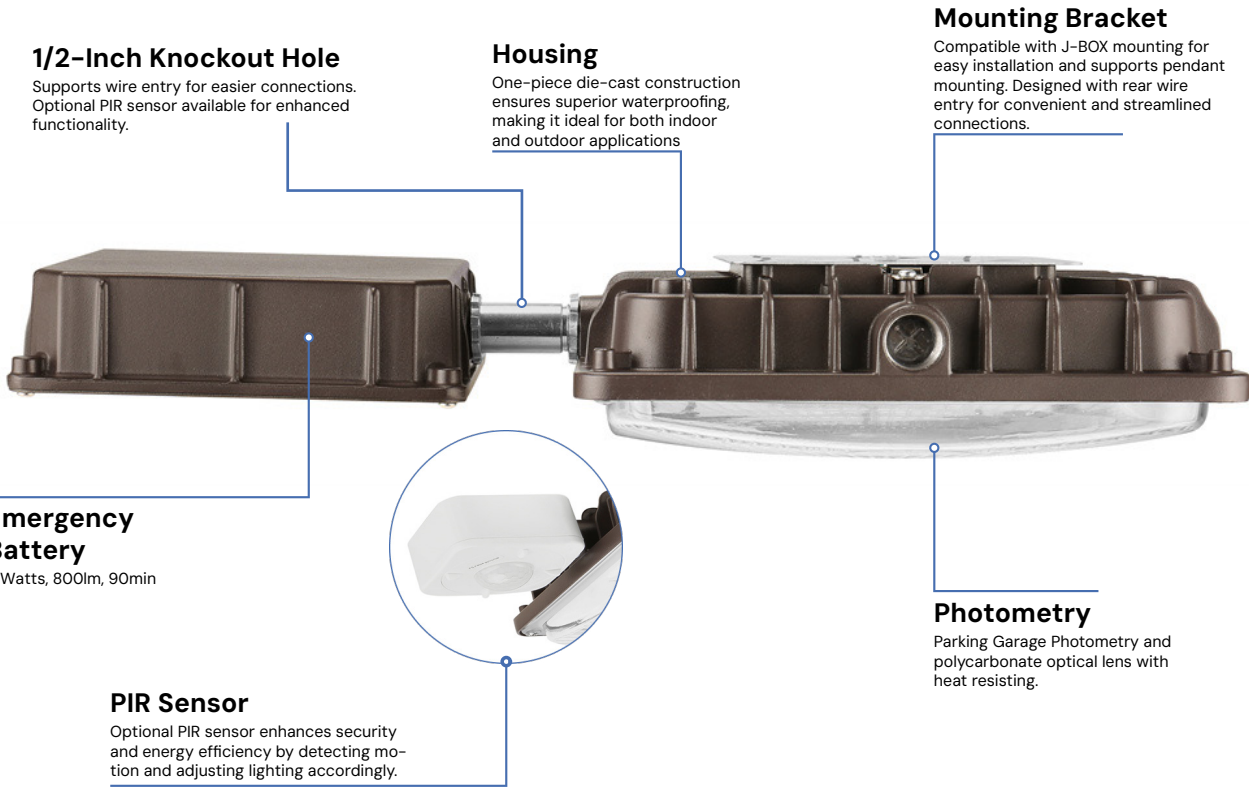
9.5 Inch | 60 Watts
16003-9

11.5 Inch | 110 Watts
16003-11

SPEC GRADE · 5 YEAR WARRANTY · cULus · WET · CCT SELECTABLE · WATTAGE SELECTABLE · EMERGENCY BATTERY · DLC LISTED PREMIUM

ORDERING INFORMATION Example:

Model	Size		Finish		Options	
1603	**9**	9.5 Inch	**WH**	White	**PI**[1]	PIR Sensor
	11	11.5 Inch	**BK**	Black	**XEM5**	5 Watt Emergency Battery (External)
			BZ	Dark Bronze		

1 The PIR external sensor can be factory pre-installed or easily installed in the field for added flexibility.

STRUCTURAL DESIGN

1/2-Inch Knockout Hole
Supports wire entry for easier connections. Optional PIR sensor available for enhanced functionality.

Housing
One-piece die-cast construction ensures superior waterproofing, making it ideal for both indoor and outdoor applications

Mounting Bracket
Compatible with J-BOX mounting for easy installation and supports pendant mounting. Designed with rear wire entry for convenient and streamlined connections.

Emergency Battery
5 Watts, 800lm, 90min

PIR Sensor
Optional PIR sensor enhances security and energy efficiency by detecting motion and adjusting lighting accordingly.

Photometry
Parking Garage Photometry and polycarbonate optical lens with heat resisting.

WATTAGE SELECTABLE

CCT SELECTABLE

POWER
LV1
LV2
LV3
LV4

CCT
5KK
4KK
3KK

40%, 60%, 80% 100%

OPTIONS

XEM5
5 Watt Emergency Battery
90 minutes producing 800 lumens

PI
PIR Sensor
120-277V

PERFORMANCE DATA

9.5 Inch/60 Watts	16002-9						
SETTING	SETTING WATTS	3000K		4000K		5000K	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	60W	7800lm	130 lm/W	8400lm	140 lm/W	8000lm	133 lm/W
80%	47W	6500lm	138 lm/W	7000lm	149 lm/W	6600lm	140 lm/W
60%	36W	5200lm	144 lm/W	5600lm	156 lm/W	5300lm	147 lm/W
40%	24W	3700lm	154 lm/W	4000lm	167 lm/W	3800lm	158 lm/W

11.5 Inch/110 Watts	16003-11						
SETTING	SETTING WATTS	3000K		4000K		5000K	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	110W	15500lm	141 lm/W	16500lm	150 lm/W	16000lm	145 lm/W
80%	85W	12800lm	151 lm/W	13600lm	160 lm/W	13000lm	153 lm/W
60%	63W	9800lm	156 lm/W	10500lm	167 lm/W	10000lm	159 lm/W
40%	41W	6800lm	166 lm/W	7200lm	176 lm/W	7000lm	171 lm/W

ELECTRICAL DATA

NUMBER OF DRIVERS	DRIVER CURRENT (mA)	NOMINAL POWER (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	900	60	120	0.50
		60	208	0.29
		60	240	0.25
		60	277	0.22
		60	347	0.17
1	850	110	120	0.92
		110	208	0.53
		110	240	0.46
		110	277	0.40
		110	347	0.32

LINE DRAWINGS

9.5 Inch/60 Watts
16002-9

9.52"

9.52"

3.03"

11.5 Inch/110 Watts
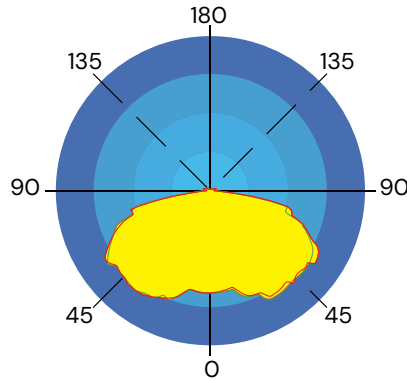16003-11

11.52"

11.52"

3.80"
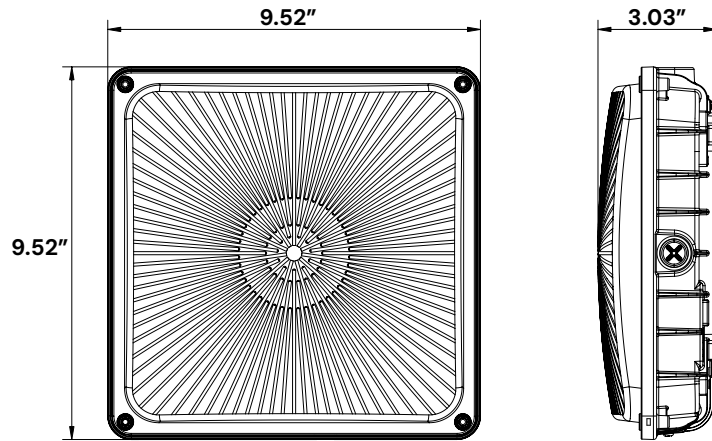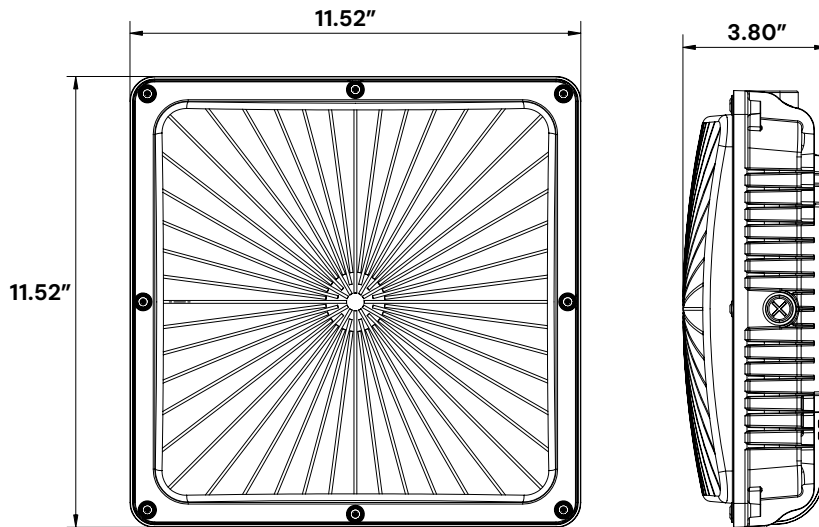
MOUNTING

Surface
Mounted With J-Box

Pendant
Conduit not included

![ALCON LIGHTING]

PHOTOMETRY

Parking Garage Photometry

COLOR TEMPERATURE GUIDE

2700K	3000K	3500K	4000K	5000K
WARM WHITE	SOFT WHITE GLOW	NEUTRAL GLOW	COOL WHITE GLOW	DAYLIGHT GLOW
friendly personal intimate	soft warm pleasing	sociable inviting non-threatening	neat clean efficient	bright cool alert
HOMES LIBRARIES RESTAURANTS	HOMES HOTEL ROOMS LOBBIES RETAIL STORES	EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS	OFFICES CLASSROOMS MASS MERCHANDISERS SHOWROOMS	GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS
X	X	X	✓	✓