LUMARK

COOPER Lighting

Crosstour MAXX LED

Wall and Site Luminaire

Innovation you can rely on™

Industry-First Supreme Performance

Maximum Illumination Performance

Breaking new ground with unmatched light output and energy-efficiency, the Lumark Crosstour MAXX LED Wall Pack Luminaire Series features a patent pending architectural design incorporating integrated high output LEDs resulting in optimized optical control and efficiency. Available in full cutoff and refractive lens models, the series' innovative reflector technology, quality optical components and reliable thermal management, delivers a powerful output of up to 7,416 delivered lumens. The super-efficient 85-watt (equivalent to 400W metal halide) or 50W (equivalent to 250W metal halide) wall packs provide up to 85 percent in energy and maintenance savings compared to traditional HID products.

The Crosstour MAXX series is offered in 3500K and 5000K correlated color temperatures (CCT), ideal for use into existing or new spaces including pedestrian walkways, building entrances, industrial facilities, perimeter parking areas, storage facilities, institutions, and loading docks.

Low Maintenance Cost and Long Life

Superior illumination, low maintenance, and long life are critical factors when addressing energy consumption and total cost of ownership. With lumen maintenance of greater than 85 percent at 60,000 hours, the Crosstour MAXX Wall Pack Luminaire is virtually maintenance-free for over 15 years.

Installation Flexibility

The rugged, low-profile, design provides solutions for a full range of outdoor lighting challenges for both wall and site lighting applications. The Crosstour MAXX luminaire is offered in full cutoff or refractive lens models for down or inverted mounting installations and is rated for IP66, wet location operation in -40°C to 40°C applications.

Optional dimming drivers and occupancy sensors can reduce energy consumption further while expanded voltage offerings from 120V to 480V allows for maximum site installation flexibility. In addition, an optional 90-minute integral emergency lighting battery pack provides cost-effective building security and occupant safety, while the pole-mount option allows for matching site lighting illumination.

Universal functionality, energy-efficient optical control, easy installation and the low-profile design prove that the Crosstour MAXX LED Luminaire is the best choice for professional buildings, loading docks, inverted mount, canopy and site lighting illumination.

Design Performance Features

Construction

- Low-profile design extends 6-1/4" from surface
- Heavy-duty, die-cast aluminum door, and back box
- Hinged removable full cutoff or refractive lens door
- Back box lag mounts to wall surface
- Four 1/2" NPT threaded conduit entry points
- Single-point stainless captive screw
- Wet location listed, IP66 rated
- Optional pole mount site lighting arm available
- Super durable TGIC carbon bronze or summit white polyester podwer coat paint

Carbon Bronze   **Summit White**

Electrical

- -40°C to 40°C ambient operating temperature
- 120-277V, 50/60 Hz. Optional 347V or 480V, 60 Hz
- LED driver mounts to housing for optimal heat sinking
- Silicone wire-way plug seals incoming electrical leads
- Lever-lock quick disconnect connectors
- Integral electronic LED driver incorporates surge protection
- Back box is suitable as an electrical wiring compartment
- Four 1/2" conduit entry points allow for thru-branch wiring
- LEDs maintain greater than 85% of initial light output after 60,000 hours
- Optional high ambient 50°C, 0-10V dimming driver and bi-level motion sensor models available

Optical

- Silicone sealed LED optical chamber
- Custom-engineered, matte finish or reflective vacuum metallized reflector
- Thermally optimized LEDs in 5000K or 3500K CCT
- UV stable silicone sealed acrylic molded lens
- High-performance LEDs, Type IV (forward throw) full cutoff or refractive lens models

Full Cutoff   **Refractive Lens**

Optional Cold Weather Emergency Battery Pack (CBP) Models

- Integral nickel-metal hydride emergency lighting battery pack
- High-output LEDs provide 90-minutes of emergency egress illumination
- UL 924 or Canadian CSA listed to meet NFPA 101 Life Safety Code
- Available with optional pole mount

Warranty

- Five-year limited warranty

Door Lock Hinge

Secure lock interface hinge design allows the door to safely seat on top of the back box while making the tool-less electrical connections with supplied lever-lock connectors.

Energy-Efficient LED Driver

Configured with non-dimming or optional 0-10V dimming driver to minimize energy consumption while maximizing fixture life.

Silicone Wire-Way Plug

Galvanized metal plate with captive hardware and silicone wire-way plug seals incoming electrical leads to prevent moisture and dust entry.

IP66 Ingress Protection Rated

Gasketed to seal out contaminates while allowing for wall/surface, conduit or pole mount installations.

Secure Locking Hinge . . . .

Advanced Thermal
Cooling Fins . . . .

Single-Point Entry . . . . . .

Patent Pending

High-Performance LEDs . . . .

Three-Step Installation

Step 1
Open fixture. Lag back box to surface with four lag bolts.

Step 2
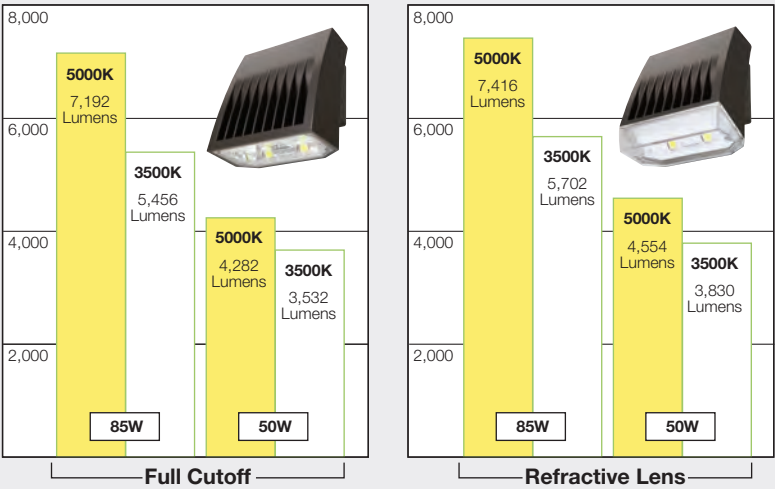Seat door into lock hinges. Make electrical connection.

Step 3
Close door and tighten captive screw.

Scalable Illumination

Optical Excellence

Crosstour MAXX LED Wall Pack Luminaires deliver up to 7,416 lumens. Brilliant white 5000K or warm 3500K CCT color temperature LEDs provide uniform white light similar to traditional metal halide sources. Excellent color rendering with superior thermal management and optimized reflector and refractive technology make the Crosstour MAXX LED Wall Pack Luminaire a superior performer.
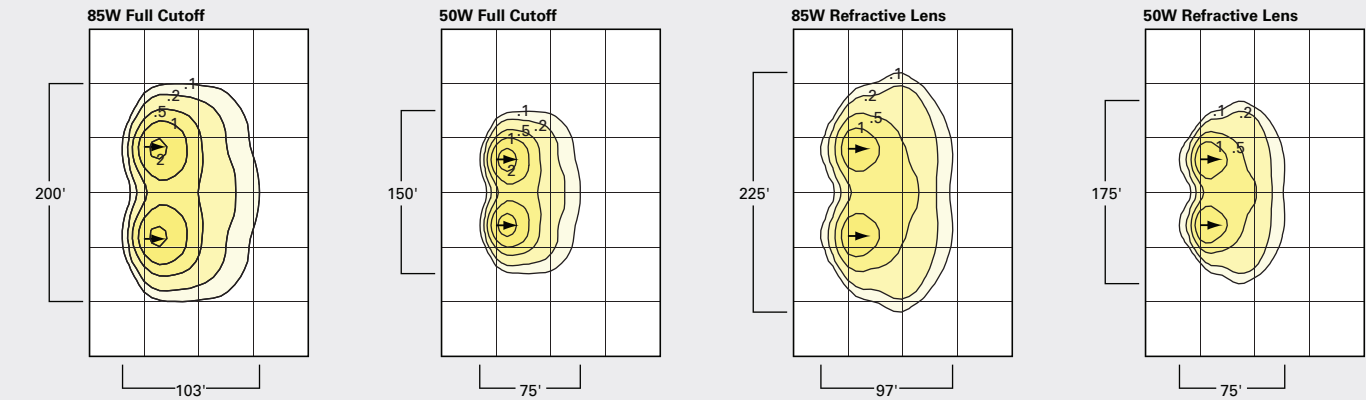
Delivered Lumens

Full Cutoff

- 5000K: 7,192 Lumens (85W)
- 3500K: 5,456 Lumens (85W)
- 5000K: 4,282 Lumens (50W)
- 3500K: 3,532 Lumens (50W)

Refractive Lens

- 5000K: 7,416 Lumens (85W)
- 3500K: 5,702 Lumens (85W)
- 5000K: 4,554 Lumens (50W)
- 3500K: 3,830 Lumens (50W)

NOTE: Delivered lumens are estimated. See IES photometric files.

3500K nominal

2700K	3000K		5000K

High Pressure Sodium [2000K]
Metal Halide [Quartz, Ceramic]
Lumark Crosstour LED [3500K]

5000K nominal

2700K	3000K		5000K

High Pressure Sodium [2000K]
Metal Halide [Quartz, Ceramic]
Lumark Crosstour LED [5000K]

## Typical Application

Fixture	Lumens	Illumination Distribution Pattern	Forward Throw	Mounting Height	Street Side Illumination	B.U.G. Rating[1]	Metal Halide Equivalent
Full Cutoff Models							
85W Full Cutoff	7,192	200'	103'	12'-25'	90%	B1-U1-G1	400W
50W Full Cutoff	4,282	150'	75'	12'-25'	90%	B1-U1-G1	250W
Refractive Lens Models							
85W Refractive Lens	7,416	225'	97'	12'-35'	78%	B1-U3-G2	400W
50W Refractive Lens	4,554	175'	75'	12'-35'	78%	B1-U3-G2	250W

NOTE: Based on two fixtures, .91 LLF (Light Loss Factor). **1** XTOR9ARL B.U.G. Rating is B1-U3-G3.

85W Full Cutoff — 200' × 103'

50W Full Cutoff — 150' × 75'

85W Refractive Lens — 225' × 97'

50W Refractive Lens — 175' × 75'

Dark Sky Compliant Illumination

Highly polished optical reflector is optimized to project the light in a forward throw direction. When installed in a downlight orientation, the full cutoff door provides focused illumination with zero uplight and minimal high angle illumination while retaining superior uniformity.
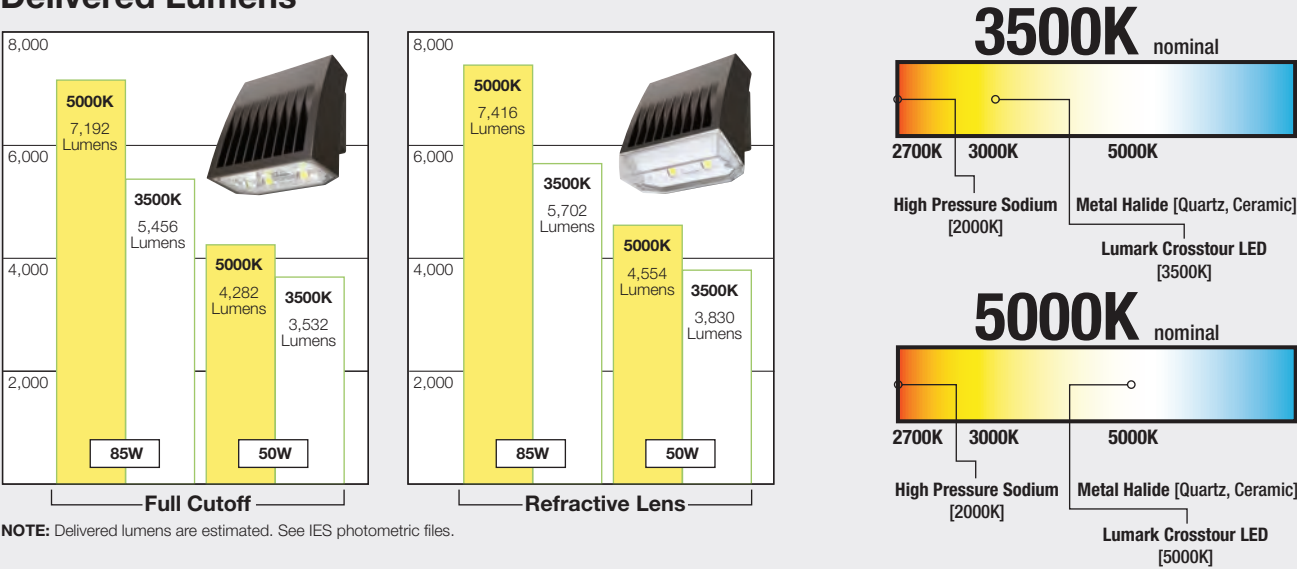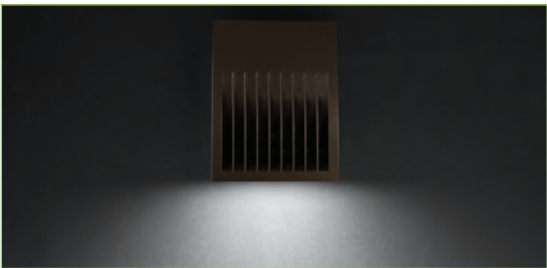
Energy Savings and Light Distribution

Uniform Illumination

The LED light engine is optimized for energy-efficient performance. With effective thermal management, precise positioning of the LED package assembly and a highly reflective vacuum metallized or matte finish reflector, Crosstour MAXX LED Wall Pack Luminaires provides uniform illumination, enhanced safety and a comfortable visual experience.

Typical Light Distributions

NOTE: Mounting heights are 12'-25' (50W model) and 12'-35' (85W models). Simulation rendering using AGi32 software (85W full cutoff shown).

Reduced Energy Consumption

Operating and maintenance cost of a lighting system are dramatically impacted by the specified lamp source and electrical system. Total system input watts and fixture operating life should be the driving considerations when addressing energy consumption and total cost of ownership. Energy savings increase when energy consumption is reduced and maintenance intervals are extended.

Annualized Energy Savings/Cost Comparison

Fixture	Hours Day / Year	Life (Hours)	Wattage	Cost / Year at $ 0.10 kWh*	Relamp / Fixture*	Total Energy Cost / Fixture	Savings per Fixture	% Savings
50W Crosstour LED Wall Pack	9 / 3,285	60,000	50W	$16.43	$0.00	$16.43	$140.40	90%
250W Metal Halide Wall Pack		15,000	291W	$95.59	$61.23	$156.82		
85W Crosstour LED Wall Pack	9 / 3,285	60,000	85W	$27.92	$0.00	$27.92	$161.19	85%
400W Metal Halide Wall Pack		20,000	452W	$148.48	$40.63	$189.11		

NOTE: * Cost = (Watts x 10 Hours Per Day x 365 Days per Year) /1,000 = Daily Kilowatt hour (kWh). kWh x .10 cents/kWh = Cost/year at .10 kWh. Relamp is averaged over the life of the lamp.

Energy Savings/Equivalency/Cross Reference Guide

Crosstour Series	Replacement Scale	HID Equivalency	Lamp System	HID Wattage	HID Rated Average Life (Hours)	Crosstour LED Wattage [1]	Crosstour LED Life (Hours) [2]	Energy Savings
XTOR5A XTOR5ARL	200W - 250W HID	Up to 250W MH	200W Pulse Start Metal Halide	232W	15,000	50W	> 60,000	78%
			250W Pulse Start Metal Halide	291W	15,000			83%
			250W Probe Start Metal Halide	295W	10,000			83%
			250W High Pressure Sodium	295W	24,000			83%
XTOR9A XTOR9ARL	320W - 400W HID	Up to 400W MH	320W Pulse Start Metal Halide	368W	20,000	85W	> 60,000	77%
			400W Pulse Start Metal Halide	452W	15,000			81%
			400W Probe Start Metal Halide	462W	20,000			82%
			400W High Pressure Sodium	464W	24,000			82%

NOTE: 1 Nominal lumens prior to optical and configuration losses based on 5000K CCT ambient. 5A=4,282 Lumens, 5ARL=4,554 Lumens, 9A=7,192 Lumens, 9ARL=7,416 Lumens.
2 Hours-of-life based on 85% lumen maintenance.

Emergency Egress

The Simple Solution

When normal AC power is interrupted, keeping outdoor lighting fixtures illuminated with the Crosstour MAXX Series with integral Cold Weather Battery Pack (CBP) eliminates the need for multiple outdoor lighting fixtures. Functioning in both "normally on" and emergency modes, Crosstour MAXX LED Luminaire with CBP offers exceptional 90-minute emergency lighting performance with minimal maintenance. The CBP battery pack satisfies the requirements for foot or vehicle traffic to safely proceed to the "public way" while separate LEDs provide redundant emergency lighting sources as required by the local authority having jurisdiction (AHJ).

The entire fixture with integral cold battery pack, emergency operation test switch and an AC-ON indicator light is listed to UL Standard 924, Emergency Lighting. The battery power pack includes extended temperature rated premium sealed maintenance-free nickel-metal hydride battery, battery charging circuit and AC-to-DC inverter transfer circuit. The fixture will instantly transfer from utility to emergency power when a loss of AC input power is detected.

The centrally positioned LEDs provide a wide path of emergency lighting illumination eliminating the need to aim or adjust emergency lighting heads. Incorporating normally-on and emergency operation in the Crosstour MAXX LED Luminaire offers a cost-effective building security and occupant safety alternative to installing separate fixtures for outdoor pathway illumination while meeting emergency lighting code requirements.

Emergency Egress Lighting Spacing Guidelines

Typical Mounting Height	Full Cutoff Fixture (On Center)	Refractive Lens Fixture (On Center)
12'	25'	22'
13'	24'	20'
14'	22'	17'
15'	19'	15'

NOTE: On center (OC) spacing required to meet 1.0 fc. Mounting heights may vary based on local building codes.

NOTE: Crosstour MAXX LED Wall Pack Luminaire with CBP complies with all applicable provisions of the National Electrical Code (NFPA 70) and the Life Safety Code (NFPA 101). The Crosstour MAXX LED Wall Pack Luminaire with emergency lighting power supply is UL listed to operate in extreme temperatures from -35°C to 40°C and is UL 1598 wet location and IP66 Rated.
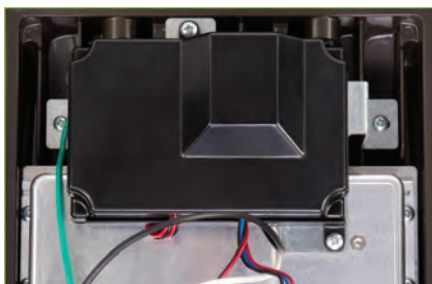
Options and Accessories

Photocontrol (PC1/PC2)
Supplied with gasketed button photocontrol for installing in one of the four 1/2" NPT threaded conduit openings. Available in 120V (PC1), 208-277V (PC2).

Cold Weather Battery Pack (CBP)
90-minute emergency battery back-up system supplied with nickel-metal hydride battery pack and electronic circuitry. Instantly transfer power from utility to battery upon utility power loss.
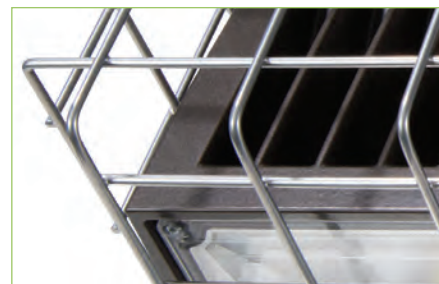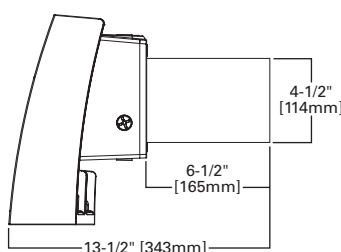

Wire Guard (WG/TORMX)
Steel wire guard protects the Crosstour MAXX LED Luminaire against impaled objects. Secure wire guard via the four 1/2" eye-loop openings.

Pole Mount Arm (PMA)
Extruded aluminum 6" arm features internal bolt guides for supplied twin support rods. Supplied with round pole adapter plate. Optional tenon adapter fits 2-3/8" or 3-1/2" O.D. Tenon.
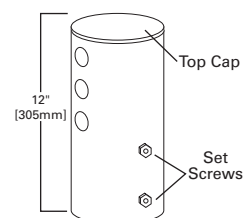

ARM MOUNT
4-1/2" [114mm]
6-1/2" [165mm]
13-1/2" [343mm]

TYPE "C" DRILL PATTERN
2-5/8" [67mm]
3/4" [19mm] Dia. Hole
3" [77mm]
1-1/2" [39mm]
(2) 9/16" [15mm] Dia. Holes

TENON ADAPTER
Top Cap
12" [305mm]
Set Screws
(Fits 2-3/8" or 3-1/2" O.D. Tenon)

On/Off or Bi-Level Motion Sensor (MS)
Optional integral occupancy sensor can further advance energy savings. When the surrounding area of the luminaire is unoccupied, the sensor has the ability to reduce light level and power consumption. Available in 9'-20' mounting heights in on/off operation with standard drivers and bi-level operation with optional dimming driver. Bi-level motion sensor is pre-set to approximately 50% energy reduction with a time delay of 15 minutes.

Detection Patterns

For mounting heights up to 20'.

Coverage Side Area

Coverage Top Area

2" [59mm]
0.78" [20mm]
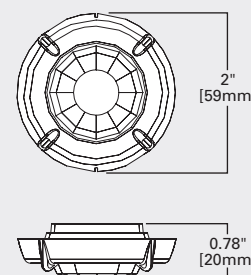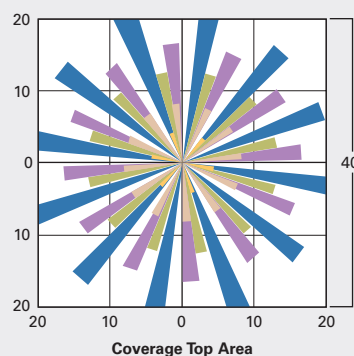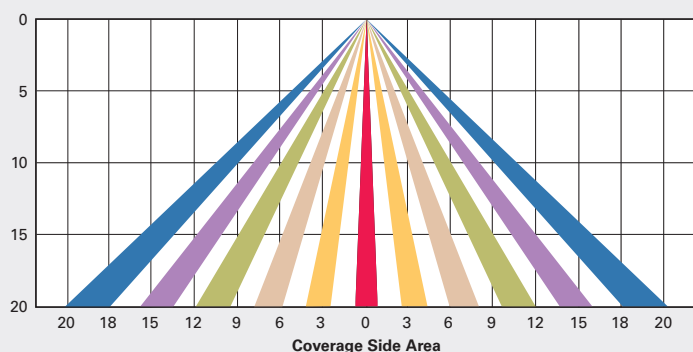
Ordering Information

Sample Number: XTOR5A-N-WT-PC1

Series	LED Kelvin Color	Housing Color	Options (Add as Suffix)	
Full Cutoff **XTOR5A**=50W **XTOR9A**=85W **Refractive Lens** **XTOR5ARL**=50W **XTOR9ARL**=85W	__=Bright White (Standard), 5000K **N**=Neutral Warm White, 3500K	__=Carbon Bronze (Standard) **WT**=Summit White	**347V**=347V [1, 3, 9] **480V**=480V [1, 3, 9] **PC1**=Photocontrol 120V **PC2**=Photocontrol 277V [2] **DIM**=0-10V Dimming Driver [3]	**PMA**=Pole Mount Arm (C Drilling) with Round and Square Adapter [1] **HA**=50°C High Ambient [4] **MS-L20**=On/Off Motion Sensor, 9'-20' Mounting Height [1, 3, 6] **MS/DIM-L20**=Motion Sensor for Dimming Operation [1, 3, 5, 6, 7] **CBP**=Cold Weather Battery Pack [1, 3, 5, 8]

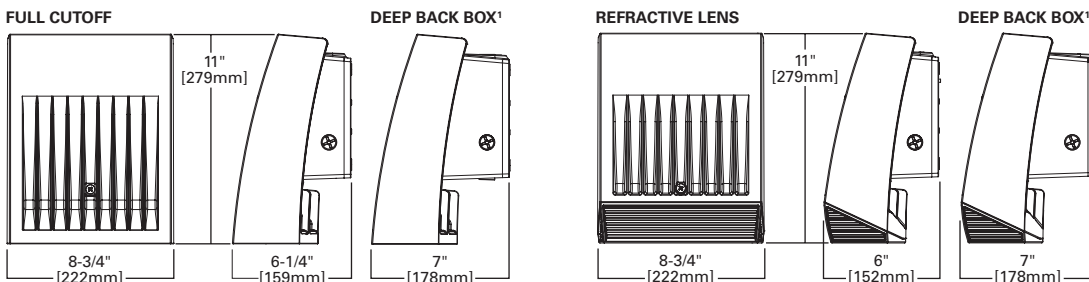| Accessories (Order Separately)	
WG-XTORMX=Wire Guard **PB120V**=Field Installed 120V Photocontrol **PB277V BUTTON PC**=Field Installed 277V Photocontrol [2] **VA1040-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon [10] **VA1041-XX**=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon [10] **VA1042-XX**=3 @ 120° Tenon Adaptor for 3-1/2" O.D. Tenon [10] **VA1043-XX**=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon [10] **VA1044-XX**=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon [10] **VA1045-XX**=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon [10]	**VA1046-XX**=2 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon [10] **VA1033-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon [10] **MA1034-XX**=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon [10] **VA1035-XX**=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon [10] **VA1036-XX**=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon [10] **VA1037-XX**=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon [10] **VA1038-XX**=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon [10] **VA1039-XX**=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon [10]

NOTES: 1 Deep back box is standard for 347V, 480V, CBP, PMA, MS-L20 and MS/DIM-L20 options. **2** Use PC2 with 347V or 480V option for photocontrol. Factory wired to 208-277V lead. **3** Not available with HA option. **4** Thru-branch wiring not available with HA option. **5** 120V or 277V only. **6** For use in downlight orientation only. Optimal coverage at mounting heights of 9'-20'. **7** Factory set to 50% power reduction after 15 minutes of inactivity. Dimming driver included. **8** Operating temperatures -20°C to 25°C. **9** Not available with CBP option. **10** Replace "XX" with CB for carbon bronze or WT for summit white.

Stock Ordering Information [1]

50W Series (Full Cutoff)	85W Series (Full Cutoff)
XTOR5A=50W, 5000K, Carbon Bronze **XTOR5A-PC1**=50W, 5000K, 120V PC, Carbon Bronze **XTOR5A-WT**= 50W, 5000K, Summit White **XTOR5A-N**=50W, 3500K, Carbon Bronze	**XTOR9A**=85W, 5000K, Carbon Bronze **XTOR9A-PC1**=85W, 5000K, 120V PC, Carbon Bronze **XTOR9A-WT**=85W, 5000K, Summit White **XTOR9A-PC2**=85W, 5000K, 208-277V PC, Carbon Bronze **XTOR9A-480V**=85W, 5000K, 480V, Carbon Bronze

50W Series (Refractive Lens)	85W Series (Refractive Lens)
XTOR5ARL=50W, 5000K, Refractive Lens, Carbon Bronze **XTOR5ARL-PC1**=50W, 5000K, Refractive Lens, 120V PC, Carbon Bronze **XTOR5ARL-WT**=50W, 5000K, Refractive Lens, Summit White **XTOR5ARL-N**=50W, 3500K, Refractive Lens, Carbon Bronze	**XTOR9ARL**=85W, 5000K, Refractive Lens, Carbon Bronze **XTOR9ARL-PC1**=85W, 5000K, Refractive Lens, 120V PC, Carbon Bronze **XTOR9ARL-WT**=85W, 5000K, Refractive Lens, Summit White **XTOR9ARL-PC2**=85W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze **XTOR9ARL-480V**=85W, 5000K, Refractive Lens, 480V, Carbon Bronze

NOTES: 1 Five-day quick ship models available. See specification sheet or stock guide for a complete listing.

Dimensions

FULL CUTOFF

11" [279mm]

8-3/4" [222mm]

DEEP BACK BOX[1]

6-1/4" [159mm]

7" [178mm]

REFRACTIVE LENS

11" [279mm]

8-3/4" [222mm]

DEEP BACK BOX[1]

6" [152mm]

7" [178mm]

NOTES: 1 Deep back box standard for 347V, 480V, PMA, MS-L20, and MS/DIM-L20 options. See page 8 for pole mounting options and dimensions.

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance	Theroretical L70 (Hours)
50W Model	72,000 Hours	
25°C	90%	> 332,000
40°C	90%	> 324,000
50°C	90%	> 324,000
85W Model	36,000 Hours	
25°C	92%	> 157,000
40°C	91%	> 134,000
50°C	86%	> 86,000

Additional Information

Compliances	Technical Data (Electronic Driver)	EPA (Effective Projected Area - Square Feet)	Shipping Data (Approximate Net Weight)
UL and cUL Wet Location Listed IP66 Ingress Protection Rated LM79 / LM80 Compliant NOM Compliant Models Lighting Facts® Registered DesignLights™ Consortium Qualified* ARRA Compliant RoHS Compliant 3G Vibration Tested UL924 Listed (CBP Models)	-40°C/40°C Minimum Temperature External Supply Wiring 90°C Minimum Optional 50°C (HA) Ambient Temperature Rating 120V-277V, 50/60 Hz 347V or 480V, 60 Hz	XTOR5A/XTOR9A=0.54 With Pole Mount Arm=0.98	12-15 lbs. (5.4-6.8 kgs.)

* See www.designlights.org.

Scan this QR Code to learn more about Crosstour LED Wall Pack / Floodlight Luminaire.

Application Flexibility

Family Offering with Reliable Installer-Friendly Features

The easy-to-install back box and interface hinge-door locks are designed into every Crosstour MAXX Wall Pack Luminaire. Refined quality and safety is ensured with the built-in contractor-friendly features allowing for precise, secure and stable handling when making the electrical connections. Reliable, credible functionality is crucial when installing luminaires that will withstand the test of time. Cooper Lighting is committed to providing LED solutions that meet the highest standards of quality, reliability and performance. From the high output Crosstour MAXX 85W-50W wall and site lighting series, 30W-10W low wattage wall, surface, bollard, stair, inverted mount and complementary floodlighting-made-easy kit, the coordinated Crosstour MAXX Wall Pack Luminaire Series of products provides a complete outdoor lighting solutions package for your projects.

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