LUMARK®

energy solutions

DESCRIPTION

The patent pending Lumark Crosstour™ LED Wall Pack Series of luminaries provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction
Slim, low profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and large design. The small housing is available in 10W and 20W. The large housing is available in the 30W model. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three (3) half-inch, NPT threaded conduit entry points. The universal back box supports both the small and large forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical
Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Solid state LED Crosstour luminaries are thermally optimized with five (5) lumen packages in cool 5000K or neutral warm 3500K LED color temperature (CCT).

Electrical
LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 10W models operate in -40°C to 40°C [-40°F to 104°F]. 20W and 30W models operate in -30°C to 40°C [-22°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 70% of initial light output after 72,000 hours

of operation. Three (3) half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

Finish
Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

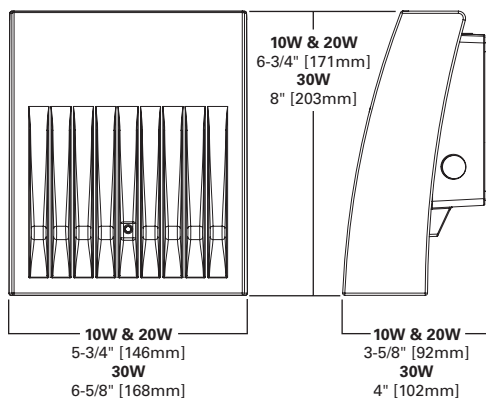### Warranty
Five-year limited warranty.

XTOR
CROSSTOUR LED

APPLICATIONS:
WALL / SURFACE
POST / BOLLARD
LOW LEVEL
FLOODLIGHT
INVERTED
SITE LIGHTING

DESIGNLIGHTS
CONSORTIUM

DIMENSIONS

10W & 20W
6-3/4" [171mm]
30W
8" [203mm]

10W & 20W
5-3/4" [146mm]
30W
6-5/8" [168mm]

10W & 20W
3-5/8" [92mm]
30W
4" [102mm]

CERTIFICATION DATA
UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ARRA Compliant
ADA Compliant
NOM Compliant Models
IP66 Ingressed Protection Rated
Lighting Facts® Registered
DesignLights™ Consortium Qualified
Title 24 Compliant

TECHNICAL DATA
40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA
Effective Projected Area:
(Sq. Ft.)
XTOR1A/XT0R2A=0.34
XTOR3A = 0.45

SHIPPING DATA:
Approximate Net Weight:
3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

COOPER Lighting
www.cooperlighting.com

*www.designlights.org

ORDERING INFORMATION

SAMPLE NUMBER: XTOR2A-N-WT-PC1

Series **XTOR1A**=Small Door, 10W **XTOR2A**=Small Door, 20W **XTOR3A**=Large Door, 30W	**LED Kelvin Color** ¹ ____ = Bright White (Standard) 5000K **N** = Neutral Warm White, 3500K	**Housing Color** ____ = Carbon Bronze (Standard) **WT** = Summit White	**Options** ² **347V**=347V ³, ⁴ **PC1**=Photocontrol 120V ³ **PC2**=Photocontrol 208-277V ³, ⁴ **HA**=50°C High Ambient ⁵	**Accessories** ⁶ **WG/XTOR**=Wire Guard ⁷ **XTORFLD-KNC**=Knuckle Floodlight Kit ⁸ **XTORFLD-KNC-W**=Knuckle Floodlight Kit, White ⁸ **XTORFLD-TRN**=Trunnion Floodlight Kit ⁸ **XTORFLD-TRN-WT**=Trunnion Floodlight Kit, White ⁸

Notes:
1. XTOR1A not available in 3500K.
2. Add as suffix.
3. Photocontrols are factory installed.
4. Order PC2 for 347V models.
5. Thru-branch wiring not available with HA option or with 347V.
6. Order separately.
7. Wire guard for wall/surface mount. Not for use with Floodlight Kit accessory.
8. Floodlight kit accessory supplied with Knuckle (KNC) or Trunnion (TRN) base, small and large top visors and small and large impact shields.

DesignLights™ Consortium Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.

STOCK ORDERING INFORMATION

10W Series	20W Series	30W Series
XTOR1A=10W, 5000K, Carbon Bronze	XTOR2A=20W, 5000K, Carbon Bronze	XTOR3A=30W, 5000K, Carbon Bronze
XTOR1A-WT=10W, 5000K, Summit White	XTOR2A-N=20W, 3500K, Carbon Bronze	XTOR3A-N=30W, 3500K, Carbon Bronze
XTOR1A-PC1=10W, 5000K, 120V PC, Carbon Bronze	XTOR2A-WT=20W, Summit White	XTOR3A-WT=30W, Summit White
	XTOR2A-PC1=20W, 120V PC, Carbon Bronze	XTOR3A-PC1=30W, 120V PC, Carbon Bronze

5 Days Quick-Ship

5-DAY QUICK SHIP ORDERING INFORMATION

10W Series	20W Series	30W Series
XTOR1A-WT-PC1=10W, 5000K, Summit White, 120V PC	XTOR2A-PC2=20W, 5000K, 208-277V PC, Carbon Bronze	XTOR3A-PC2=30W, 5000K, 208-277V PC, Carbon Bronze
	XTOR2A-WT-PC1=20W, 5000K, Summit White, 120V PC	XTOR3A-WT-PC1=30W, 5000K, Summit White, 120V PC
	XTOR2A-WT-PC2=20W, 5000K, Summit White, 208-277V PC	XTOR3A-WT-PC2=30W, 5000K, Summit White, 208-277V PC
	XTOR2A-N-WT=20W, 3500K, Summit White	XTOR3A-N-WT=30W, 3500K, Summit White
	XTOR2A-N-PC1=20W, 3500K, 120V PC, Carbon Bronze	XTOR3A-N-PC1=30W, 3500K, 120V PC, Carbon Bronze
	XTOR2A-N-PC2=20W, 3500K, 208-277V PC, Carbon Bronze	XTOR3A-N-PC2=30W, 3500K, 208-277V PC, Carbon Bronze
	XTOR2A-N-WHT-PC1=20W, 3500K, Summit White, 120V PC	XTOR3A-N-WHT-PC1=30W, 3500K, Summit White, 120V PC
	XTOR2A-N-WT-PC2=20W, 3500K, Summit White, 208-277V PC	XTOR3A-N-WT-PC2=30W, 3500K, Summit White, 208-277V PC

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
10W Model		
25°C	> 91%	> 350,000
40°C	> 91%	> 340,000
50°C	> 91%	> 330,000
20W Model		
25°C	> 91%	> 340,000
40°C	> 90%	> 320,000
50°C	> 90%	> 300,000
30W Model		
25°C	> 91%	> 340,000
40°C	> 91%	> 320,000
50°C	> 90%	> 300,000

LUMENS - CRI/CCT TABLE

LED Information	XTOR1A	XTOR2A	XTOR2A-N	XTOR3A	XTOR3A-N
Delivered Lumens (Wall Mount)	734	1432	1323	2649	2273
Delivered Lumens (With Flood Accessory Kit)	713	1424	1315	2614	2243
B.U.G. Rating*	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0
CCT (Kelvin)	5000	5000	3500	5000	3500
CRI (Color Rendering Index)	67	65	68	65	68
Power Consumption (Watts)	8W	21W	21W	30W	30W

* B.U.G. Rating does not apply to floodlighting.

CURRENT DRAW

Voltage	Model Series		
	10W	20W	30W
120V	0.06A	0.21A	0.29A
208V	0.04A	0.13A	0.18A
240V	0.04A	0.12A	0.16A
277V	0.03A	0.10A	0.14A
347V	0.03A	0.08A	0.11A

COOPER Lighting
www.cooperlighting.com

NOTE: Specifications and dimensions subject to change without notice.
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