



West Virginia Purchasing Division

2019 Washington Street, East
Charleston, WV 25305
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The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

General Information | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#)

Procurement Folder: 288142

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0313

Vendor ID: 000000103427

SO Doc ID: DEP1700000014

Legal Name: GRAYBAR ELECTRIC CO INC

Published Date: 1/11/17

Alias/DBA:

Close Date: 1/31/17

Total Bid: \$142,974.36

Close Time: 13:30

Response Date: 01/31/2017

Status: Closed

Response Time: 11:59

Solicitation Description: LED Light Conversion
DEP17573

Total of Header Attachments: 1

Total of All Attachments: 1



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Solicitation Response

Proc Folder : 288142
 Solicitation Description : LED Light Conversion
 Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2017-01-31 13:30:00	SR 0313 ESR01311700000003581	1

VENDOR
000000103427 GRAYBAR ELECTRIC CO INC

Solicitation Number: CRFQ 0313 DEP1700000014

Total Bid : \$142,974.36 Response Date: 2017-01-31 Response Time: 11:59:42

Comments:

FOR INFORMATION CONTACT THE BUYER
 Brittany E Ingraham
 (304) 558-2157
 brittany.e.ingraham@wv.gov

Signature on File	FEIN #	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Downlight Replacements	47.00000	EA	\$15.430000	\$725.21

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Green Creative: Downlight Replacements
Model # 11.5PLV/840/BYP or equal.
Quantity (47)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	T8 Direct Replacements	7925.00000	EA	\$12.390000	\$98,190.75

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Green Creative: T8 Direct Replacements
Model # 12T8/4F/840/Dir or equal.
Quantity (7925).

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Lobby Pendant Replacement	18.00000	EA	\$20.360000	\$366.48

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Green Creative: Lobby Pendant Replacement
Model # 17PLL/840/DIR or equal.
Quantity (18).

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	A-Lamp Replacements	109.00000	EA	\$12.390000	\$1,350.51

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Green Creative: A-Lamp Replacements
Model # 12A19G4DIM/840 or equal Quantity (109).

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	Lowbay Replacement Fixtures	19.00000	EA	\$216.200000	\$4,107.80

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Barron Lighting Group: Lowbay Replacement Fixtures, Model# LHB1- A-VS-4K-STMLHB or equal. Quantity (19).

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	Canopy Replacement Fixtures	2.00000	EA	\$494.130000	\$988.26

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Barron Lighting Group: Canopy Replacement Fixtures, model # TLED-TC-64-VS-P-WW or equal. Quantity (2).

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	Lower Wattage Wallpacks	15.00000	EA	\$292.850000	\$4,392.75

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Eaton/Cooper Lighting: Lower Wattage Wallpacks model # XTOR5A-XX or equal. Quantity (15).

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	Larger Wattage Wallpacks	2.00000	EA	\$348.390000	\$696.78

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Eaton/Cooper Lighting: Larger Wattage Wallpacks Model # XTOR9A-XX or equal. Quantity (2).

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
9	Site Shoebox Luminere	46.00000	EA	\$500.320000	\$23,014.72

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Eaton/Cooper Lighting: Site Shoebox Luminere, model # PRV-A40-D-480V-T3-SA-XX or equal. Quantity (46).

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
10	Floodlights	11.00000	EA	\$554.720000	\$6,101.92

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Eaton/Cooper Lighting: Floodlights, Model # NFFLD-A40-D-480V-66-S-XX or equal. Quantity (11)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
11	Brick Light	6.00000	EA	\$216.200000	\$1,297.20

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Barron Lighting: Brick Light Model # TRL-ACEM-XX or equal. Quantity (6)

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
12	Flag Light	6.00000	EA	\$290.330000	\$1,741.98

Comm Code	Manufacturer	Specification	Model #
39110000			

Extended Description : Eaton/Cooper Lighting: Flag Light, Model # NFFLD-S-C15-D-UNV-66-S-CB or equal. Quantity (6).

REQUEST FOR QUOTATION

LED Light Replacement for DEP Kanawha City Building

Exhibit A - Pricing Page

ITEM NO.	QUANTITY	SPEC. REF. #	DESCRIPTION	OR EQUAL MANUFACTURER	UNIT PRICE	EXTENDED PRICE BID
1	47	3.1.1	Green Creative: Downlight Replacements, model # 11.5PLV/840/BYP or equal.		\$15.43	\$725.21
2	7925	3.1.2	Green Creative: T8 Direct Replacements, model # 12T8/4F/840/Dir or equal.		\$12.39	\$98,190.75
3	18	3.1.3	Green Creative: Lobby Pendant Replacement, model # 17PLL/840/DIR or equal.		\$20.36	\$366.48
4	109	3.1.4	Green Creative: A-Lamp Replacements, model # 12A19G4DIM/840 or equal.		\$12.39	\$1,350.51
5	19	3.1.5	Barron Lighting Group: Lowbay Replacement Fixtures, model # LHB1- A-VS-4K-STMLHB or equal.		\$216.20	\$4,107.80
6	2	3.1.6	Barron Lighting Group: Canopy Replacement Fixtures, model # TLED-TC-64-VS-P-WW or equal.		\$494.13	\$988.26
7	15	3.1.7	Eaton/Cooper Lighting: Lower Wattage Wallpacks, model # XTOR5A-WH or equal.	Cooper Lighting XTOR6B-W	\$292.85	\$4,392.75
8	2	3.1.8	Eaton/Cooper Lighting: Larger Wattage Wallpacks, model # XTOR9A-WH or equal.	Cooper Lighting XTOR8B-W	\$348.39	\$696.78
9	46	3.1.9	Eaton/Cooper Lighting: Site Shoebox Luminere, model # PRV-A40-D-480V-T3-SA-GY or equal.		\$500.32	\$23,014.72
10	11	3.1.10	Eaton/Cooper Lighting: Floodlights, model # NFFLD-A40-D-480V-66-S-GY or equal.		\$554.72	\$6,101.92
11	6	3.1.11	Barron Lighting: Brick Light, model # TRL-ACEM-WW or equal.		\$216.20	\$1,297.20
12	6	3.1.12	Eaton/Cooper Lighting: Flag Light, model # NFFLD-S-C15-D-UNV-66-S-CB or equal.		\$290.33	\$1,741.98

Revised 11/28/2016

DESCRIPTION

The patented Lumark Crosstour™ MAXX LED wall pack series of luminaires provides low-profile architectural style with super bright, energy-efficient LEDs. The rugged die-cast aluminum construction, back box with secure lock hinges, stainless steel hardware along with a sealed and gasketed optical compartment make Crosstour impervious to contaminants. The Crosstour MAXX wall luminaire is ideal for wall/ surface, inverted mount for facade/canopy illumination, perimeter and site lighting. Typical applications include pedestrian walkways, building entrances, multi-use facilities, industrial facilities, perimeter parking areas, storage facilities, institutions, schools and loading docks.

SPECIFICATION FEATURES

Construction

Low-profile LED design with rugged one-piece, die-cast aluminum back box and hinged removable door. Matching housing styles incorporate both a full cutoff and refractive lens design. Full cutoff and refractive lens models are available in 58W and 81W. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes four 1/2" NPT threaded conduit entry points. The back box is secured by four lag bolts (supplied by others). External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Not recommended for car wash applications.

Optical

Silicone sealed optical LED chamber incorporates a custom engineered reflector providing high-efficiency illumination. Full cutoff models integrate an impact-resistant molded refractive prism optical lens assembly meeting requirements for Dark Sky compliance. Refractive lens models incorporate a molded lens assembly designed for maximum forward throw. Solid state LED Crosstour MAXX luminaires are

thermally optimized with eight lumen packages in cool 5000K or neutral 4000K (58W, 81W models) LED color temperature (CCT).

Electrical

LED driver is mounted to the die-cast aluminum housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 58W and 81W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C [122°F] models available in 58W and 81W models only. Crosstour MAXX luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Four 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, 480V 60Hz, or 347V 60Hz electrical operation. 480V is compatible for use with 480V Wye systems only.

Emergency Egress

Optional integral cold weather battery emergency egress includes emergency operation test switch (available in 58W and 81W models only), an AC-ON indicator light and

a premium extended rated sealed maintenance-free nickel-metal hydride battery pack. The separate emergency lighting LEDs are wired to provide redundant emergency lighting. Listed to UL Standard 924, Emergency Lighting.

Area and Site Pole Mounting

Optional extruded aluminum 6-1/2" arm features internal bolt guides for supplied twin support rods, allowing for easy positioning of the fixture during installation to pole. Supplied with round plate adapter plate. Optional tenon adapter fits 2-3/8" or 3-1/2" O.D. Tenon.

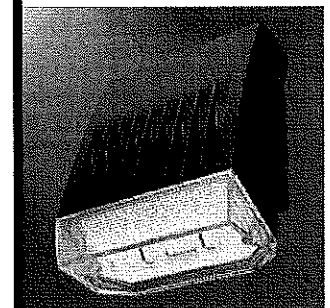
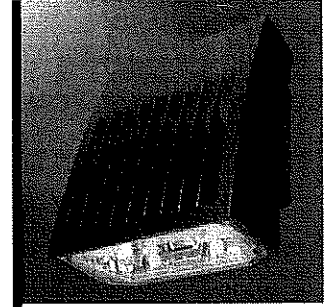
Finish

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

Warranty

Five-year warranty.

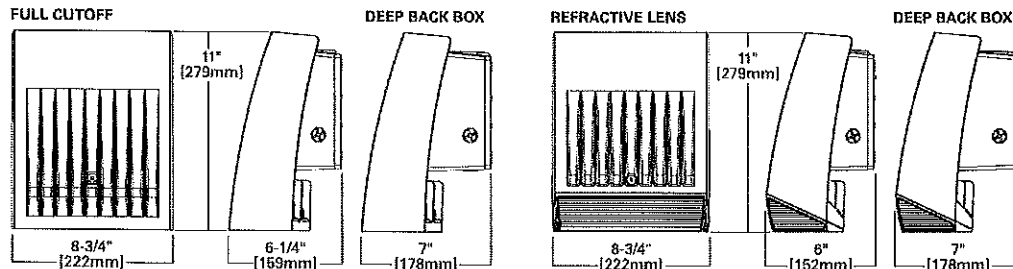
Catalog #	XTOR6B-WT	Type	
Project		Date	
Comments			
Prepared by			



XTOR CROSSTOUR MAXX LED

APPLICATIONS:
WALL / SURFACE
INVERTED
SITE LIGHTING

DIMENSIONS



CERTIFICATION DATA

UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
NOM Compliant Models
3G Vibration Tested
UL924 Listed (CBP Models)
IP66 Rated

TECHNICAL DATA

40°C Ambient Temperature
External Supply Wiring 90°C Minimum

EPA

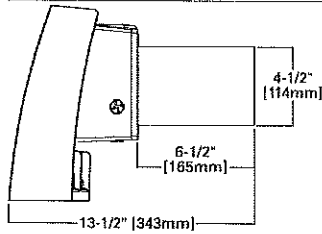
Effective Projected Area (Sq. Ft.):
XTOR6B, XTOR8B=0.54
With Pole Mount Arm=0.88

SHIPPING DATA:

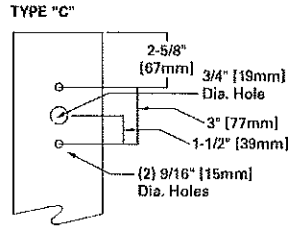
Approximate Net Weight:
12-15 lbs. [5.4-6.8 kgs.]

DIMENSIONS

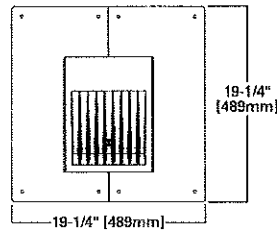
OPTIONAL POLE MOUNT ARM



ARM DRILLING



ESCUTCHEON PLATES



POWER AND LUMENS BY FIXTURE MODEL

58W Series				
LED Information	XTOR6B	XTOR6BRL	XTOR6B-W	XTOR6BRL-W
Delivered Lumens	6,129	6,225	6,038	6,133
B.U.G. Rating	B1-U0-G1	B2-U4-G3	B1-U0-G1	B2-U4-G3
CCT (Kelvin)	5000K	5000K	4000K	4000K
CRI (Color Rendering Index)	70	70	70	70
Power Consumption (Watts)	58W	58W	58W	58W
81W Series				
LED Information	XTOR8B	XTOR8BRL	XTOR8B-W	XTOR8BRL-W
Delivered Lumens	8,502	8,635	8,373	8,504
B.U.G. Rating	B2-U0-G1	B2-U4-G3	B2-U0-G1	B2-U4-G3
CCT (Kelvin)	5000K	5000K	4000K	4000K
CRI (Color Rendering Index)	70	70	70	70
Power Consumption (Watts)	81W	81W	81W	81W
EGRESS Information		XTOR6B, and XTOR8B Full Cutoff CBP Egress LED	XTOR6B, and XTOR8B Refractive Lens CBP Egress LED	
Delivered Lumens		509	468	
B.U.G. Rating		N.A.	N.A.	
CCT (Kelvin)		4000K	4000K	
CRI (Color Rendering Index)		65	65	
Power Consumption (Watts)		1.8W	1.8W	

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
XTOR6B Model		
25°C	> 90%	246,000
40°C	> 88%	217,000
50°C	> 88%	201,000
XTOR8B Model		
25°C	> 89%	219,000
40°C	> 87%	195,000
50°C	> 86%	181,000

CURRENT DRAW

Voltage	Model Series			
	XTOR6B	XTOR8B	XTOR6B-CBP (Fixture/Battery)	XTOR8B-CBP (Fixture/Battery)
120V	0.51	0.71	0.60/0.25	0.92/0.25
208V	0.25	0.39	--	--
240V	0.25	0.35	--	--
277V	0.22	0.31	0.36/0.21	0.50/0.21
347V	0.19	0.25		--
480V	0.14	0.19		--

ORDERING INFORMATION

XTOR CROSSTOUR MAXX LED

Sample Number: XTOR6B-W-WT-PC1

Series	LED Kelvin Color	Housing Color	Options (Add as Suffix)
Full Cutoff XTOR6B-58W XTOR8B-81W Refractive Lens XTOR6BRL-58W XTOR8BRL-81W	[Blank]=Bright White (Standard) 5000K W=Neutral, 4000K ¹	[Blank]=Carbon Bronze (Standard) WT=Summit White BK=Black BZ=Bronze AP=Grey GM=Graphite Metallic	347V=347V ^{2, 2, 4, 5} 480V=480V ^{2, 2, 4, 5, 6} PC1=Photocontrol 120V ⁷ PC2=Photocontrol 208-277V ^{7, 8} PMA=Pole Mount Arm (C Drilling) with Round Adapter ^{5, 8} HA=50°C High Ambient ⁴ MS-L20=Motion Sensor for ON/OFF Operation ^{2, 3, 10, 11} MS/DIM-L20=Motion Sensor for Dimming Operation ^{2, 3, 10, 11, 12, 13, 14} CBP=Cold Weather Battery Pack ^{2, 3, 11, 15}
Accessories (Order Separately)			
WG-XTORMX=Crosstour MAXX Wire Guard PB120V=Field Installed 120V Photocontrol PB277V BUTTON PC=Field Installed 208-277V Photocontrol ⁸ VA1040-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1041-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1042-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1043-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1044-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1045-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1046-XX=2@120° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶		VA1033-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1034-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1035-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1036-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1037-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1038-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1039-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ EWP/XTORMX=Escutcheon Wall Plate, Carbon Bronze EWP/XTORMX-WT=Escutcheon Wall Plate, Summit White FSIR-100=Wireless Configuration Tool for Occupancy Sensor ¹⁴	

NOTES:

- Available in 58W and 81W only.
- Not available with HA option.
- Deep back box is standard for 347V, 480V, CBP, PMA, MS-L20 and MS/DIM-L20.
- Not available with CBP option.
- Thru-branch wiring not available with HA option or with 347V.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- Not available with MS-L20 and MS/DIM-L20 options.
- Use PC2 with 347V or 480V option for photocontrol. Factory wired to 208-277V lead.
- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP613001EN for additional support information.
- For use in downlight orientation only. Optimal coverage at mounting heights of 9'-20'.
- 120V or 277V only.
- Factory set to 80% power reduction after 16-minutes of inactivity. Dimming driver included.
- Includes integral photo sensor.
- The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff, and more. Consult your lighting representative at Eaton for more information.
- Operating temperatures -20°C to 25°C.
- Replace XX with housing color.

STOCK ORDERING INFORMATION

58W Series	81W Series
Full Cutoff	
XTOR6B=58W, 5000K, Carbon Bronze	XTOR8B=81W, 5000K, Carbon Bronze
XTOR6B-PC1=58W, 5000K, 120V PC, Carbon Bronze	XTOR8B-PC1=81W, 5000K, 120V PC, Carbon Bronze
XTOR6B-WT= 58W, 5000K, Summit White	XTOR8B-WT=81W, 5000K, Summit White
XTOR6B-W=58W, 4000K, Carbon Bronze	XTOR8B-PC2=81W, 5000K, 208-277V PC, Carbon Bronze
XTOR6B-PMA= 58W, 5000K, Pole Mount Arm, Carbon Bronze	XTOR8B-PMA=81W, 5000K, Pole Mount Arm, Carbon Bronze
XTOR6B-W-PMA=58W, 4000K, Pole Mount Arm, Carbon Bronze	XTOR8B-W=81W, 4000K, Carbon Bronze
XTOR6B-PC2= 58W, 5000K, 208-277V PC, Carbon Bronze	XTOR8B-W-PC1=81W, 4000K, 120V PC, Carbon Bronze
XTOR6B-W-PC2=58W, 4000K, 208-277V PC, Carbon Bronze	XTOR8B-W-PC2=81W, 4000K, 208-277V PC, Carbon Bronze
XTOR6B-W-PC1=58W, 4000K, 120V PC, Carbon Bronze	XTOR8B-W-PMA=81W, 4000K, Pole Mount Arm, Carbon Bronze
Refractive Lens	
XTOR6BRL=58W, 5000K, Refractive Lens, Carbon Bronze	XTOR8BRL=81W, 5000K, Refractive Lens, Carbon Bronze
XTOR6BRL-PC1=58W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR8BRL-PC1=81W, 5000K, Refractive Lens, 120V PC, Carbon Bronze
XTOR6BRL-WT=58W, 5000K, Refractive Lens, Summit White	XTOR8BRL-WT=81W, 5000K, Refractive Lens, Summit White
XTOR6BRL-W=58W, 4000K, Refractive Lens, Carbon Bronze	XTOR8BRL-PC2=81W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze
XTOR6BRL-PMA=58W, 5000K, Refractive Lens, Pole Mount Arm, Carbon Bronze	XTOR8BRL-PMA=81W, 5000K, Refractive Lens, Pole Mount Arm, Carbon Bronze
XTOR6BRL-W-PMA=58W, 4000K, Refractive Lens, Pole Mount Arm, Carbon Bronze	XTOR8BRL-W=81W, 4000K, Refractive Lens, Carbon Bronze
XTOR6BRL-PC2=58W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze	XTOR8BRL-W-PC1=81W, 4000K, Refractive Lens, 120V PC, Carbon Bronze
XTOR6BRL-W-PC2=58W, 4000K, Refractive Lens, 208-277V PC, Carbon Bronze	XTOR8BRL-W-PC2=81W, 4000K, Refractive Lens, 208-277V PC, Carbon Bronze
XTOR6BRL-W-PC1=58W, 4000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR8BRL-W-PMA=81W, 4000K, Refractive Lens, Pole Mount Arm, Carbon Bronze



Eaton
 1121 Highway 74 South
 Peachtree City, GA 30269
 P: 770-480-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

TD614005EN
 2016-12-13 15:58:28

DESCRIPTION

The patented Lumark Crosstour™ MAXX LED wall pack series of luminaries provides low-profile architectural style with super bright, energy-efficient LEDs. The rugged die-cast aluminum construction, back box with secure lock hinges, stainless steel hardware along with a sealed and gasketed optical compartment make Crosstour impervious to contaminants. The Crosstour MAXX wall luminaire is ideal for wall/ surface, inverted mount for facade/canopy illumination, perimeter and site lighting. Typical applications include pedestrian walkways, building entrances, multi-use facilities, industrial facilities, perimeter parking areas, storage facilities, institutions, schools and loading docks.

SPECIFICATION FEATURES

Construction

Low-profile LED design with rugged one-piece, die-cast aluminum back box and hinged removable door. Matching housing styles incorporate both a full cutoff and refractive lens design. Full cutoff and refractive lens models are available in 58W and 81W. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes four 1/2" NPT threaded conduit entry points. The back box is secured by four lag bolts (supplied by others). External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Not recommended for car wash applications.

Optical

Silicone sealed optical LED chamber incorporates a custom engineered reflector providing high-efficiency illumination. Full cutoff models integrate an impact-resistant molded refractive prism optical lens assembly meeting requirements for Dark Sky compliance. Refractive lens models incorporate a molded lens assembly designed for maximum forward throw. Solid state LED Crosstour MAXX luminaries are

thermally optimized with eight lumen packages in cool 5000K or neutral 4000K (58W, 81W models) LED color temperature (CCT).

Electrical

LED driver is mounted to the die-cast aluminum housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 58W and 81W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C [122°F] models available in 58W and 81W models only. Crosstour MAXX luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Four 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, 480V 60Hz, or 347V 60Hz electrical operation. 480V is compatible for use with 480V Wye systems only.

Emergency Egress

Optional integral cold weather battery emergency egress includes emergency operation test switch (available in 58W and 81W models only), an AC-ON indicator light and

Catalog #	XTOR8B-WT	Type	
Project		Date	
Comments			
Prepared by			

a premium extended rated sealed maintenance-free nickel-metal hydride battery pack. The separate emergency lighting LEDs are wired to provide redundant emergency lighting. Listed to UL Standard 924, Emergency Lighting.

Area and Site Pole Mounting

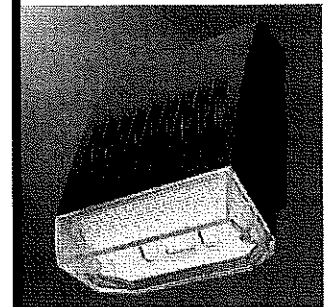
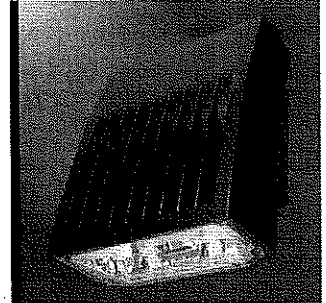
Optional extruded aluminum 6-1/2" arm features internal bolt guides for supplied twin support rods, allowing for easy positioning of the fixture during installation to pole. Supplied with round plate adapter plate. Optional tenon adapter fits 2-3/8" or 3-1/2" O.D. Tenon.

Finish

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

Warranty

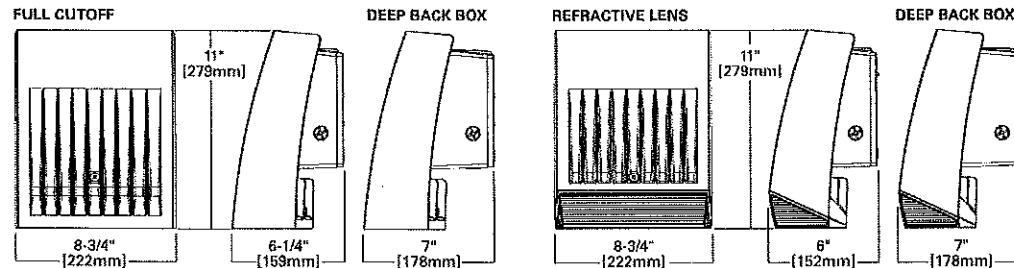
Five-year warranty.



XTOR CROSSTOUR MAXX LED

APPLICATIONS:
WALL / SURFACE
INVERTED
SITE LIGHTING

DIMENSIONS



CERTIFICATION DATA

UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
NOM Compliant Models
3G Vibration Tested
UL924 Listed (CBP Models)
IP66 Rated

TECHNICAL DATA

40°C Ambient Temperature
External Supply Wiring 90°C Minimum

EPA

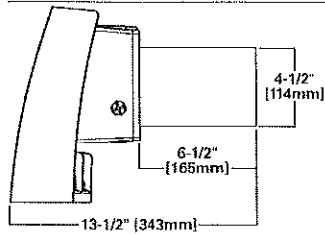
Effective Projected Area (Sq. Ft.):
XTOR6B, XTOR8B=0.54
With Pole Mount Arm=0.98

SHIPPING DATA:

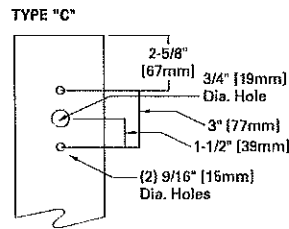
Approximate Net Weight:
12-15 lbs. [5.4-6.8 kgs.]

DIMENSIONS

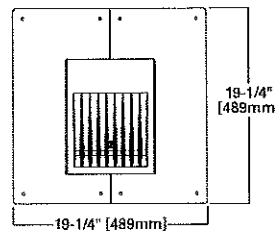
OPTIONAL POLE MOUNT ARM



ARM DRILLING



ESCUTCHEON PLATES



POWER AND LUMENS BY FIXTURE MODEL

58W Series				
LED Information	XTOR6B	XTOR6BRL	XTOR6B-W	XTOR6BRL-W
Delivered Lumens	6,129	6,225	6,038	6,133
B.U.G. Rating	B1-U0-G1	B2-U4-G3	B1-U0-G1	B2-U4-G3
CCT (Kelvin)	5000K	5000K	4000K	4000K
CRI (Color Rendering Index)	70	70	70	70
Power Consumption (Watts)	58W	58W	58W	58W
81W Series				
LED Information	XTOR8B	XTOR8BRL	XTOR8B-W	XTOR8BRL-W
Delivered Lumens	8,502	8,635	8,373	8,504
B.U.G. Rating	B2-U0-G1	B2-U4-G3	B2-U0-G1	B2-U4-G3
CCT (Kelvin)	5000K	5000K	4000K	4000K
CRI (Color Rendering Index)	70	70	70	70
Power Consumption (Watts)	81W	81W	81W	81W
EGRESS Information		XTOR6B, and XTOR8B Full Cutoff CBP Egress LED	XTOR6B, and XTOR8B Refractive Lens CBP Egress LED	
Delivered Lumens		509	468	
B.U.G. Rating		N.A.	N.A.	
CCT (Kelvin)		4000K	4000K	
CRI (Color Rendering Index)		65	65	
Power Consumption (Watts)		1.8W	1.8W	

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
XTOR6B Model		
25°C	> 90%	246,000
40°C	> 88%	217,000
50°C	> 88%	201,000
XTOR8B Model		
25°C	> 89%	219,000
40°C	> 87%	195,000
50°C	> 86%	181,000

CURRENT DRAW

Voltage	Model Series			
	XTOR6B	XTOR8B	XTOR6B-CBP (Fixture/Battery)	XTOR8B-CBP (Fixture/Battery)
120V	0.51	0.71	0.60/0.25	0.92/0.25
208V	0.25	0.39	--	--
240V	0.25	0.35	--	--
277V	0.22	0.31	0.36/0.21	0.50/0.21
347V	0.19	0.25		--
480V	0.14	0.19		--

ORDERING INFORMATION

Sample Number: XTOR6B-W-WT-PC1

Series	LED Kelvin Color	Housing Color	Options (Add as Suffix)
Full Cutoff XTOR6B=58W XTOR8B=81W Refractive Lens XTOR6BRL=58W XTOR8BRL=81W	[Blank]=Bright White (Standard) 5000K W=Neutral, 4000K ¹	[Blank]=Carbon Bronze (Standard) WT=Summit White BK=Black BZ=Bronze AP=Grey GM=Graphite Metallic	347V=347V ^{2,3,4,5} 480V=480V ^{2,3,4,5,6} PC1=Photocontrol 120V ⁷ PC2=Photocontrol 208-277V ^{7,8} PMA=Pole Mount Arm (C Drilling) with Round Adapter ^{9,8} HA=50°C High Ambient ⁴ MS-L20=Motion Sensor for ON/OFF Operation ^{2,3,10,11} MS/DIM-L20=Motion Sensor for Dimming Operation ^{2,3,10,11,12,13,14} CBP=Cold Weather Battery Pack ^{2,3,11,15}
Accessories (Order Separately)			
WG-XTORMX=Crosstour MAXX Wire Guard PB120V=Field Installed 120V Photocontrol PB277V BUTTON PC=Field Installed 208-277V Photocontrol ⁸ VA1040-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1041-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1042-XX=3@120° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1043-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1044-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1045-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶ VA1046-XX=2@120° Tenon Adapter for 3-1/2" O.D. Tenon ¹⁶		VA1033-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1034-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1035-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1036-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1037-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1038-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ VA1039-XX=2@120° Tenon Adapter for 2-3/8" O.D. Tenon ¹⁶ EWP/XTORMX=Escutcheon Wall Plate, Carbon Bronze EWP/XTORMX-WT=Escutcheon Wall Plate, Summit White FSIR-100=Wireless Configuration Tool for Occupancy Sensor ¹⁴	

NOTES:

- Available in 58W and 81W only.
- Not available with HA option.
- Deep back box is standard for 347V, 480V, CBP, PMA, MS-L20 and MS/DIM-L20.
- Not available with CBP option.
- Thru-branch wiring not available with HA option or with 347V.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- Not available with MS-L20 and MS/DIM-L20 options.
- Use PC2 with 347V or 480V option for photocontrol. Factory wired to 208-277V lead.
- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
- For use in downlight orientation only. Optimal coverage at mounting heights of 9'-20".
- 120V or 277V only.
- Factory set to 50% power reduction after 15-minutes of inactivity. Dimming driver included.
- Includes integral photo sensor.
- The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff, and more. Consult your lighting representative at Eaton for more information.
- Operating temperatures -20°C to 25°C.
- Replace XX with housing color.

STOCK ORDERING INFORMATION

58W Series	81W Series
Full Cutoff	
XTOR6B=58W, 5000K, Carbon Bronze	XTOR8B=81W, 5000K, Carbon Bronze
XTOR6B-PC1=58W, 5000K, 120V PC, Carbon Bronze	XTOR8B-PC1=81W, 5000K, 120V PC, Carbon Bronze
XTOR6B-WT= 58W, 5000K, Summit White	XTOR8B-WT=81W, 5000K, Summit White
XTOR6B-W=58W, 4000K, Carbon Bronze	XTOR8B-PC2=81W, 5000K, 208-277V PC, Carbon Bronze
XTOR6B-PMA= 58W, 5000K, Pole Mount Arm, Carbon Bronze	XTOR8B-PMA=81W, 5000K, Pole Mount Arm, Carbon Bronze
XTOR6B-W-PMA=58W, 4000K, Pole Mount Arm, Carbon Bronze	XTOR8B-W=81W, 4000K, Carbon Bronze
XTOR6B-PC2= 58W, 5000K, 208-277V PC, Carbon Bronze	XTOR8B-W-PC1=81W, 4000K, 120V PC, Carbon Bronze
XTOR6B-W-PC2=58W, 4000K, 208-277V PC, Carbon Bronze	XTOR8B-W-PC2=81W, 4000K, 208-277V PC, Carbon Bronze
XTOR6B-W-PC1=58W, 4000K, 120V PC, Carbon Bronze	XTOR8B-W-PMA=81W, 4000K, Pole Mount Arm, Carbon Bronze
Refractive Lens	
XTOR6BRL=58W, 5000K, Refractive Lens, Carbon Bronze	XTOR8BRL=81W, 5000K, Refractive Lens, Carbon Bronze
XTOR6BRL-PC1=58W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR8BRL-PC1=81W, 5000K, Refractive Lens, 120V PC, Carbon Bronze
XTOR6BRL-WT=58W, 5000K, Refractive Lens, Summit White	XTOR8BRL-WT=81W, 5000K, Refractive Lens, Summit White
XTOR6BRL-W=58W, 4000K, Refractive Lens, Carbon Bronze	XTOR8BRL-PC2=81W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze
XTOR6BRL-PMA=58W, 5000K, Refractive Lens, Pole Mount Arm, Carbon Bronze	XTOR8BRL-PMA=81W, 5000K, Refractive Lens, Pole Mount Arm, Carbon Bronze
XTOR6BRL-W-PMA=58W, 4000K, Refractive Lens, Pole Mount Arm, Carbon Bronze	XTOR8BRL-W=81W, 4000K, Refractive Lens, Carbon Bronze
XTOR6BRL-PC2=58W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze	XTOR8BRL-W-PC1=81W, 4000K, Refractive Lens, 120V PC, Carbon Bronze
XTOR6BRL-W-PC2=58W, 4000K, Refractive Lens, 208-277V PC, Carbon Bronze	XTOR8BRL-W-PC2=81W, 4000K, Refractive Lens, 208-277V PC, Carbon Bronze
XTOR6BRL-W-PC1=58W, 4000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR8BRL-W-PMA=81W, 4000K, Refractive Lens, Pole Mount Arm, Carbon Bronze



Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

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VENDOR PREFERENCE CERTIFICATE

Certification and application is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. **Application is made for 2.5% vendor preference for the reason checked:**
Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,

Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification;

Bidder is a resident vendor partnership, association, or corporation with at least eighty percent of ownership interest of bidder held by another entity that meets the applicable four year residency requirement; or,

Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. **Application is made for 2.5% vendor preference for the reason checked:**

Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

3. **Application is made for 2.5% vendor preference for the reason checked:**

Bidder is a nonresident vendor that employs a minimum of one hundred state residents, or a nonresident vendor which has an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia and employs a minimum of one hundred state residents, and for purposes of producing or distributing the commodities or completing the project which is the subject of the bidder's bid and continuously over the entire term of the project, on average at least seventy-five percent of the bidder's employees or the bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years and the vendor's bid; or,

4. **Application is made for 5% vendor preference for the reason checked:**

Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**

Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**

Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.**

Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) rescind the contract or purchase order; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Graybar Electric

Signed: George M. Ph...

Date: 1/31/17

Title: QUOTATIONS COORDINATOR

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Graybar Electric

Authorized Signature: [Signature] Date: 1/31/17

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 31st day of January, 2017.

My Commission expires Feb 1st, 2021.

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]
Purchasing Affidavit (Revised 08/01/2015)

