



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

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Central Bidding Time: Fri April 21, 2017 1:57:25 PM GMT-6

Location: **Harahan > Louisiana > USA**

Name: **Michael Bergeron**

Email: **Michael.bergeron@graybar.com**

Address: **1205 Distributors Row**

Zip code: **70123**

Contact number: **5047335450**

Official Company/Business Name: **Graybar Electric**

Are you registered with the State of Louisiana as a Disadvantaged Business Enterprise (DBE)?: **Yes**

Is your company owned by a female?: **No**

Is your company owned by a minority?: **No**

Louisiana Contractor ID#:

NIGP Codes: (Commodity code categories) **83826 - Cabinets for Data, Frames, Runway, Cable Management, Raceway, Interduct (Telecom Closets)**

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Central Auction House, LTD

responses are solely responsible for clarity. If uploaded images/documents are not legible, the bidder's submission will be rejected. Please note all requirements in this bid package for electronic bid submission.

Upload a file

Click the Upload button in order to upload bid related documents

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Central Auction House, LTD



CENTRALBIDDING
FROM CENTRAL AUCTION HOUSE

5000119485 - QUANTITY OF LIGHTS
Jefferson Parish Government

Project documents obtained from www.CentralBidding.com
19-Apr-2017 08:56:08 AM



Bid Number 50-00119485

QUANTITY OF LIGHTS

BID DUE: APRIL 20, 2017 AT 11:00 AM

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received in the Purchasing Department by the bid due date and time.

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053**

**Buyer Name: Misty A. Camardelle
Buyer Email: mcamardelle@jeffparish.net**

Buyer Phone: 504-364-2683

FAX: 504-364-2693



JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni
Parish President

Brenda C. Patel
Director

CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES

The East bank Office of Purchasing is now open! We are located in the Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Suite 404, Jefferson, LA 70123. Bidders may submit bid responses at this location, pending authorization in each bid package. **Bidders should carefully read and must respond accordingly per the requirements of the bid packages. NOTE: Bidders submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

Other Changes Continued:

- For all advertised bids, corporate resolutions and/or written evidence of signature authority must be included with bid submission.
- Effective June 1, 2017, bidders may no longer send bid responses via facsimile, as some bid solicitations may provide. Vendors responding to bid solicitations may only submit via USPS, courier service, hand delivery or via online by registering free of charge at www.jeffparishbids.net. For more information, please contact the Purchasing Department or visit jeffparish.net.
- Current W9 Forms and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, a current W-9 form must be supplied upon contract execution, should you be awarded a contract and/or issued a purchase order.
- Upon contract execution, successful bidder must continue producing final insurance certificates per standard Jefferson Parish insurance requirements. Proof of insurance is required for bidding purposes. Bidders must read the insurance requirements attachment included in each bid package for specific instructions.

Bidders should reference the “Additional Requirements” section of the bid instructions and/or the “Important Notice to Bidders” included in the bid package for specific requirements to respond accordingly.

For more information, please call Jefferson Parish Purchasing at 504-364-2678.

General Government Bldg. – 200 Derbigny St – Suite 4400 - Gretna, LA 70053

Office 504.364.2678 – Fax 504.364.2693

Email: Purchasing@jeffparish.net Website: www.jeffparish.net

DATE: 4/12/2017

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00119485

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

BUYER: MCAMARD

Bids will be received until 11:00 AM, 4/20/2017 via fax: 504-364-2693 or via online at www.jeffparishbids.net.

This site is free for all Jefferson Parish vendors. For additional information on registration or use of this free site, please see the text box highlighting electronic procurement.

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law, as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647. A copy of these resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at purchasing.jeffparish.net and clicking on On-line forms.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications. JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail.

JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE

PROTESTS: Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office as appropriate and a written response will be provided as soon as possible.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in the quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum.

All formal Addenda require written acknowledgment on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected; JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A1 17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

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Shipping & Handling Included

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(l), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 4/12/2017

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 4

BID NO.: 50-00119485

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

BUYER: MCAMARD

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work is to be done in a workman-like manner, according to standard practices. Any deviations or alterations from the specifications must be indicated and backup documentation supplied with your quotation.

DELIVERY: FOB JEFFERSON PARISH	
INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	<u>2 - 3 Week ARO</u>
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	_____
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	_____

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____
NUMBER: _____
NUMBER: _____
NUMBER: _____

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***	
FIRM NAME: Graybar Electric	
SIGNATURE: (Must be signed here) <i>Christopher J. Weckesser</i>	TITLE: Account Rep.
PRINT OR TYPE NAME: Christopher J. Weckesser	
ADDRESS: 1205 Distributors Row	
CITY, STATE: Harahan, Louisiana	ZIP: 70123
TELEPHONE: (504) 460-3961	FAX: ()
EMAIL ADDRESS: Chris.Weckesser@Graybar.com	

TOTAL PRICE OF ALL BID ITEMS: \$ \$2,999.00

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119485

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	5.00	EA	<p>QUANTITY OF LED LIGHTS</p> <p>0010 Riselight LED Area Floodlights 5000K 120W 100-277V dimmable 112BS</p>	\$160 / Each	\$800.00
2	6.00	EA	<p>13,600LM RPL-400WMH DLC listed trunnion mount bracket MPN no.: RISELITE RL-FL-120W-LV-B-D</p> <p>Quoting Equivalent (CTKRV2A-D-UNV)</p> <p>0020 Clark D2D LED Dusk To Dawn Security Light, silver/gray luminleds COB, 5000K 70W 120-277V 6700LM RPL175WMH DLC rated MPN no.: MESTER ST70W27V50KASGPO</p>	\$270 / Each	\$1,620.00
3	1.00	EA	<p>To be used for electrical division</p> <p>Quoting Equivalent (KMS-200-5000K-110-C-YM-DB-U)</p> <p>Shipping & Handling</p>	\$579.00 / Each	\$579.00


 Graybar Electric
 4/19/2017

DESCRIPTION

The Caretaker™ LED Area luminaire incorporates durability, long life, and unmatched performance in a package that is ideal for a wide variety of applications. The unique universal mounting plate allows quick and easy installation whether it is wall mounted security lighting, residential street lighting, perimeter area lighting, parking areas, loading platforms, boat docks, access drives or pathways. Designed for years of worry free illumination, the Caretaker luminaire is UL/cUL listed for wet locations, has a heavy-duty die-cast aluminum housing and includes an integrated 6kV surge protection device.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Die-cast, heavy-duty aluminum housing. Single-point access to hinged, removable power tray door for ease of installation and maintenance.

Optics

Injection molded optics are designed for widespread coverage and excellent uniformity, optimizing application spacing and maximizing efficiency. Available in two lumen packages with standard 5000K CCT with a minimum 70 CRI. Optional 3000K CCT with a minimum 80 CRI. Meeting the requirements for Dark Sky compliance, the Type V symmetric distribution creates a consistent, even distribution replacing up to 250W metal halide.

Electrical

LED driver mounted to removable die-cast aluminum door. Standard driver is non-dimming, 120V only. Optional dimming driver is offered with 120-277V, 50/60Hz and a ANSI C136.41 7-PIN photocontrol receptacle. Both drivers have 6kV onboard surge protection. Caretaker is designed for efficient thermal management; heat is transferred away from the LEDs for optimal efficiency, light output, and life. Lumen maintenance of 86% at 36,000 hours for 8-LED version. LED module is IP66 enclosure rated.

Mounting

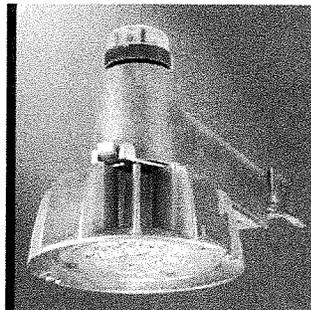
The Caretaker luminaire is supplied with a universal mounting bracket for either wall or wood pole mounting and an integral two-bolt slipfitter for mounting on 1-1/4" to 2" standard pipe (1-5/8" to 2-3/8" O.D.).

Finish

Standard natural aluminum finish.

Warranty

Five-year warranty.



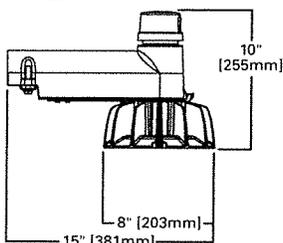
CTKR CARETAKER LED

8 or 12 LEDs
Solid State LED

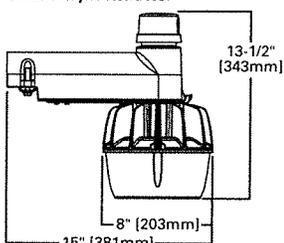
AREA LUMINAIRE

DIMENSIONS

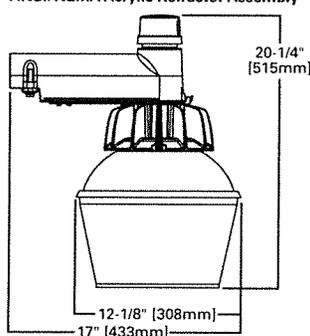
Full Cutoff



Small Acrylic Refractor

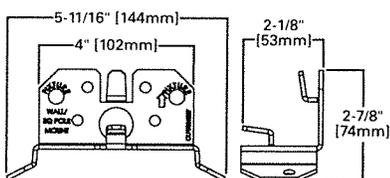


ANSI/NEMA Acrylic Refractor Assembly



WALL/POLE MOUNTING BRACKET (INCLUDED)

Wall Mount



Pole Mount



CERTIFICATION DATA

UL/cUL Wet Location Listed
IP66 Optical Chamber
LM79/LM80 Compliant
3G Vibration Rated
RoHS Compliant
Lighting Fact® Registered

ENERGY DATA

Electronic LED Driver
> 0.9 Power Factor
< 20% Total Harmonic Distortion
120V, 50/60Hz
-40°C Minimum Ambient Temperature Rating
+40°C Maximum Ambient Temperature Rating

EPA

Effective Projected Area: (Sq. Ft.)
Full Cutoff 0.67

SHIPPING DATA

Approximate Net Weight: 8 lbs. (3.6 kgs.)

POWER AND LUMENS

CCT (Color Temperature)	5000K*		3000K*		
Power (Watts)	50W	70W	50W	70W	
Input Current @ 120V (A)	0.41	0.41			
Optics					
Type V	Lumens	5,212	7,169	3,755	5,390
	BUG Rating	3-0-1	3-0-1	3-0-1	3-0-1

NOTE: 5000K is at 70CRI. 3000K is at 80CRI.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.04
15°C	1.03
25°C	1.00
40°C	0.96

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (36,000 Hours)	Theoretical L70 (Hours)
8 LEDs		
25°C	> 86%	> 87,000
40°C	> 84%	> 72,000
12 LEDs		
25°C	> 83%	> 69,000

ORDERING INFORMATION

Stock Number	Wattage	Voltage	Dimming	LED Kelvin (CCT)	Photocontrol	Mounting	Accessories (Order Separately)
CTKRV1A	50W	120V	--	5000K / 70 CRI	3-PIN NEMA Twistlock Photocontrol	Wall/Pole Mount Bracket and Integral Slipfitter	SR-CARETAKER=Small Acrylic Refractor RMRROA5=ANSI/NEMA Acrylic Refractor Assembly
CTKRV2A	70W						
CTKRV1A-D-UNV	50W	120V-277V	0-10V	5000K / 70 CRI	7-PIN NEMA Receptacle (With 3-PIN NEMA Twistlock Photocontrol)		
CTKRV2A-D-UNV	70W						
CTKRV1A-8030	50W	120V	--	3000K / 80 CRI	3-PIN NEMA Twistlock Photocontrol		
CTKRV2A-8030	70W						
CTKRV1A-D-UNV-8030	50W	120V-277V	0-10V	3000K / 80 CRI	7-PIN NEMA Receptacle (With 3-PIN NEMA Twistlock Photocontrol)		
CTKRV2A-D-UNV-8030	70W						

Product Features

- The K-Series Luminaire is a high performance "LED" energy & maintenance lighting solution, output exceeds 250 to 400W MH lamp fixture.
- The housing, electrical compartment and fitter are made from die cast ADC12 aluminum. Patented heatsink design adopts tensile aluminum fins for outstanding thermal management and luminaire durability.
- Factory pre-treated and powder-coated to meet the most rugged industry standards.
- Yoke Mount Bracket - 23 degree increment, 6 Lockable positions, overall 135 degree adjustability.
- Slipfitter - lockable and adjustable for 90 degree overall .
- Built-in surge protection up to 4kV.
- IP65 Rated suitable for outdoor / wet application.
- UL / cUL Listed , DLC Listed.

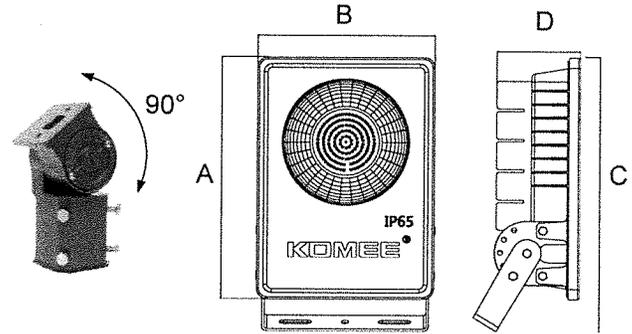


Application

General Purpose Outdoor Lighting, Workshop Lighting, Warehouse Lighting

Specifications

Input Voltage	AC 110~277V, 347V, 480V
Frequency	50~60HZ
Color Temperature	5000K, 4000K, 3000K, *
Efficacy	100 lm/W
Color Rendering Index	80
Distribution	110° Circular Reflector
IP Rating	IP65
Operating Temperature	-30°C~+55°C
Life Span	50,000 hrs



Dimensions & EPA

Power	A	B	C	D	EPA
100W	395mm (15.55")	286mm (11.26")	446mm (17.56")	134mm (5.28")	1.44 ft ²
150W	395mm (15.55")	286mm (11.26")	446mm (17.56")	134mm (5.28")	1.44 ft ²
200W	395mm (15.55")	286mm (11.26")	446mm (17.56")	134mm (5.28")	1.44 ft ²

Order Code (Example: KMK-100-50-110-C-YM-DB-U-PH)

Part #	Wattage	CCT	Distribution	Lens	Mounting	Finish	Input	Photocell (Optional)
KMK	100 - 100W 150 - 150W 200 - 200W	50 - 5000K 40 - 4000K 30 - 3000K	110 - 110°	C - Clear	YM - Yoke Mount SF - Slipfitter	DB - Dark Bronze	U - 110-277V H - 347V, 480V	PH - Photocell**

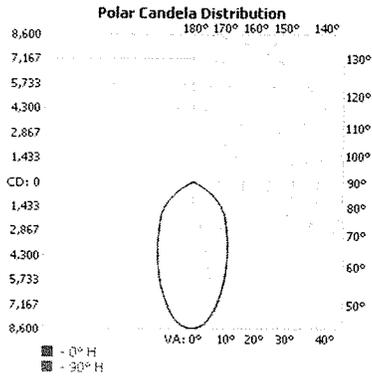
*Custom CCT available, consult factory. **Additional lead time required, consult factory.
Specifications are subject to change without notice

Rev 100716

PHOTOMETRICS

KMK-100-60-110-C-YM-DB-U, 10357.5 delivered lumens, tested by KOMEE photometric lab, tested in accordance to IESNA LM-79

POLAR GRAPH



CONE DIAGRAM at 48 Ft

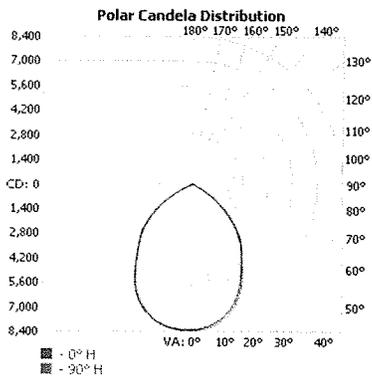
ILLUMINANCE AT A DISTANCE			
HEIGHT(FT)	CENTER BEAM	BEAM SPREAD(FT)	
	FOOTCANDLE	HORIZONTAL	VERTICAL
8.0	133.0 FC	8.4	8.4
16.0	33.3 FC	16.9	16.9
24.0	14.8 FC	25.3	25.3
32.0	8.3 FC	33.8	33.8
40.0	5.3 FC	42.2	42.2
48.0	3.7 FC	50.7	50.7
BEAM ANGLE			
		55.7°	55.7°

LUMENS PER ZONE

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	4,757.1	0.5%	45.9%
0-40	6,857.7	0.7%	66.2%
0-60	9,933.6	1%	95.9%
60-90	421.5	0%	4.1%
0-90	10,355.1	1%	100%

KMK-150-60-110-C-YM-DB-U, 14347.5 delivered lumens, tested by KOMEE photometric lab, tested in accordance to IESNA LM-79

POLAR GRAPH



CONE DIAGRAM at 48 Ft

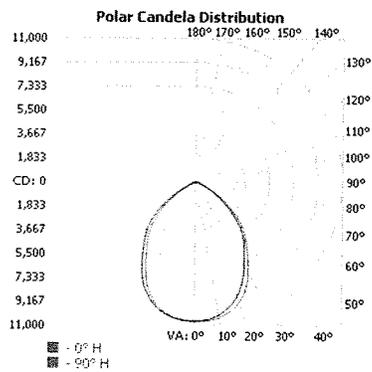
ILLUMINANCE AT A DISTANCE			
HEIGHT(FT)	CENTER BEAM	BEAM SPREAD(FT)	
	FOOTCANDLE	HORIZONTAL	VERTICAL
8.0	129.0 FC	14.5	14.4
16.0	32.3 FC	28.9	28.8
24.0	14.3 FC	43.4	43.1
32.0	8.1 FC	57.9	57.5
40.0	5.2 FC	72.3	71.9
48.0	3.6 FC	86.8	86.3
BEAM ANGLE			
		84.2°	83.9°

LUMENS PER ZONE

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	6,066.9	42.3%	42.3%
0-40	9,280.7	64.7%	64.7%
0-60	13,820.4	96.3%	96.3%
60-90	524.5	3.7%	3.7%
0-90	14,345.0	100%	100%

KMK-200-60-110-C-YM-DB-U, 18436.1 delivered lumens, tested by KOMEE photometric lab, tested in accordance to IESNA LM-79

POLAR GRAPH



CONE DIAGRAM at 48 Ft

ILLUMINANCE AT A DISTANCE			
HEIGHT(FT)	CENTER BEAM	BEAM SPREAD(FT)	
	FOOTCANDLE	HORIZONTAL	VERTICAL
8.0	165.9 FC	14.5	14.7
16.0	41.5 FC	29.0	29.3
24.0	18.4 FC	43.5	44.0
32.0	10.4 FC	58.0	58.7
40.0	6.6 FC	72.5	73.3
48.0	4.6 FC	87.0	88.0
BEAM ANGLE			
		84.4°	85.0°

LUMENS PER ZONE

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	7,825.2	42.4%	42.5%
0-40	11,964.9	64.9%	64.9%
0-60	17,805.9	96.6%	96.6%
60-90	627.0	3.4%	3.4%
0-90	18,432.9	100%	100%

27253

Form **W-9**
(Rev. January 2003)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give form to the requester. Do not send to the IRS.

Name: _____

Business name, if different from above:
Graybar Electric Co., Inc.

Check appropriate box: Individual Sole proprietor Corporation Partnership Other Exempt from backup withholding

Address (number, street, and apt. or suite no.):
4601 Cambridge

City, state, and ZIP code:
Fort Worth, TX 76155

List account number(s) here (optional): _____

Requester's name and address (optional): _____

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I Instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see How to get a TIN on page 3.

Social security number								

Employer identification number								
1	3	0	7	9	4	3	8	0

Note: If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. person (including a U.S. resident alien).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the Instructions on page 4.)

Sign Here: _____
Signature of U.S. person: *M. C. [Signature]*

Date: **12-18-2007**

Purpose of Form

A person who is required to file an information return with the IRS, must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

U.S. person. Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued).
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee.

Note: If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Foreign person. If you are a foreign person, use the appropriate Form W-8 (see Pub. 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien.

Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the recipient has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement that specifies the following five items:

- The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
- The treaty article addressing the income.
- The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
- The type and amount of income that qualifies for the exemption from tax.
- Sufficient facts to justify the exemption from tax under the terms of the treaty article.