



REQUESTS FOR BIDS

PURCHASE OF
STREET LIGHTING SUPPLIES

LEGAL NOTICE

INVITATION TO BID

TO PROVIDE STREET LIGHTING SUPPLIES

Sealed bids for Street Lighting Supplies must be mailed or hand-delivered to the address listed below by Tuesday, October 21, 2014 at 10:00 a.m. Bids will be publically opened and read aloud at the above stated time and place. Proposals not physically received by the Village by 10:00 a.m. on Tuesday, October 21, 2014 will be returned, unopened to the firm. All proposals should be addressed to:

Village of Oswego
Re: (vendor name)
Street Lighting Supplies
Attention: Tina Touchette
Village Clerk
100 Parkers Mill
Oswego IL 60543

Proposal packets are available online at <http://www.oswegoil.org> or at the Oswego Village Hall, 100 Parker's Mill, Oswego, Illinois.

Each bidder is to submit their bid as indicated on the bid sheet provided.

Emailed or faxed bids will not be accepted.

The Village reserves the right to reject any or all bids and to waive any informality in bidding.

Award of Contract: The Village of Oswego Board of Trustees will make the final award of the proposal or contract.

SPECIFICATIONS
PURCHASE OF STREET LIGHTING SUPPLIES

The products shall be as described in the packet. Bidder may propose an alternate product. If an alternate product is being proposed the bidder must provide data for that product.

BID SHEET

STREET LIGHTS: (requesting 100 units and items listed below or equivalent)

<u>ITEM</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
MVR175/U	\$ _____	\$ _____
_____ (other)	\$ _____	\$ _____

PHOTO CONTROL: (requesting 100 units and item listed below or equivalent)

<u>ITEM</u>	<u>COST PER UNIT</u>	<u>TOTAL</u>
TORK 2007 PHOTO CONTROL	\$ _____	\$ _____
_____ (other)	\$ _____	\$ _____

Authorized Signature: _____

Please print name: _____

Date: _____

Company submitting bid: _____

Address: _____

Phone: _____

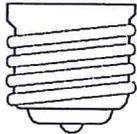
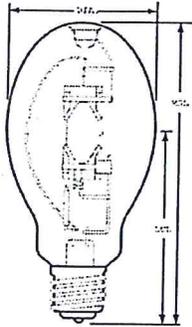
Bid opening is Tuesday, October 21, 2014 at 10:00 a.m. at Village Hall, 100 Parkers Mill.



GE
Lighting

47760 - MVR175/U

GE Multi-Vapor® Quartz Metal Halide ED28



GE Multi-Vapor® Lamp

CAUTIONS & WARNINGS

R- WARNING: This lamp can cause serious skin burn and eye inflammation from shortwave ultraviolet radiation if outer envelope of the lamp is broken or punctured, and the arc tube continues to operate. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain types of lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available. Visit the FDA website for more information: <http://www.fda.gov/cdrh/radhealth/products/urburns.html>

Caution

- Lamp may shatter and cause injury if broken
 - Dispose of lamp in a closed container.
 - Do not use excessive force when installing lamp.
 - Do not use lamp if outer glass is scratched or broken.

Warning

- Unexpected lamp rupture may cause injury, fire, or property damage
 - Do not exceed rated voltage.
 - Do not turn on lamp until fully installed.
 - Do not use beyond rated life.
 - Do not use lamp if outer glass is scratched or broken.
 - Do not use where directly exposed to water or outdoors without an enclosed fixture.
 - If used on a dimming system, see instructions.
 - Operate lamp only in specified position.
 - Turn lamp off at least once for 15 minutes per week.
 - Use in enclosed fixture rated for this product.
 - Use only properly rated ballast.
- A damaged lamp emits UV radiation which may cause eye/skin injury
 - Turn power off if glass bulb is broken. Remove and dispose of lamp.
- Risk of Burn
 - Allow lamp to cool before handling.
 - Do not turn on lamp until fully installed.
- Risk of Electric Shock
 - Do not use where directly exposed to water or outdoors without an enclosed fixture.
 - Turn power off before inspection, installation or removal.
- Risk of Fire
 - Keep combustible materials away from lamp.
 - Use in fixture rated for this product.

GRAPHS & CHARTS

Graphs_Spectral Power Distribution

GENERAL CHARACTERISTICS

Lamp Type	High Intensity Discharge - Quartz Metal Halide
Bulb	ED28
Base	Mogul Screw (E39)
Bulb Finish	Clear
Rated Life (Vert)	10000.0 h
Rated Life (Hor)	6000.0 h
Bulb Material	Hard glass
Lamp Enclosure Type (LET)	Enclosed fixtures only
Base Temperature (MAX)	210.0 °C
Bulb Temperature (MAX)	400.0 °C
Mercury Content (NOM)	25.74 mg
Picograms of Mercury (NOM)	292.5 pg

PHOTOMETRIC CHARACTERISTICS

Initial Lumens (Vert)	13600.0
Initial Lumens (Hor)	11700.0
Mean Lumens (Vert)	8800.0
Mean Lumens (Hor)	7900.0
Nominal Initial Lumens per Watt (NOM)	67.0 /78.0
Color Temperature (NOM)	4000.0 K
Color Rendering Index (CRI) (NOM)	65.0
Effective Arc Length (NOM)	1.0 in

ELECTRICAL CHARACTERISTICS

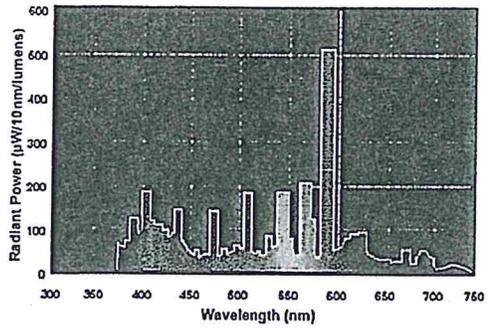
Wattage (NOM)	175.0
Burn Position	Universal burning position
Open Circuit Voltage (peak lead ballast) (MIN)	540.0 V
Open Circuit Voltage (RMS lag ballast) (MIN)	382.0 V
Warm Up Time to 90% (MIN)	2.0 min
Warm Up Time to 90% (MAX)	5.0 min
Hot Restart Time to 90% (MIN)	10.0 min
Hot Restart Time to 90% (MAX)	15.0 min

DIMENSIONS

Maximum Overall Length (MOL) (NOM)	8.250 in(209.5 mm)
Nominal Length (NOM)	8.250 in(209.5 mm)
Bulb Diameter (DIA) (NOM)	3.500 in(88.9 mm)
Light Center Length (LCL) (NOM)	5.000 in(127.0 mm)

PRODUCT INFORMATION

Product Code	47760
Description	MVR175/U
ANSI Code	M57
Standard Package	Case
Standard Package GTIN	10043168477601
Standard Package Quantity	12
Sales Unit	Unit
No Of Items Per Sales Unit	1
No Of Items Per Standard Package	12
UPC	043168477604



2005A/2007A/2008A SERIES

QUICK RESPONSE TURN-LOCK MOUNTING

TORK
PHOTOCONTROLS

APPLICATIONS

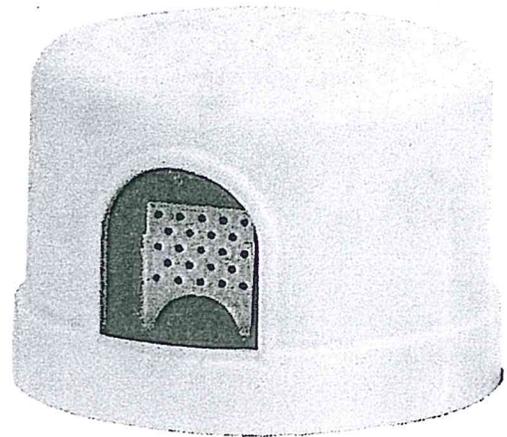
- Street, Highway and other luminaries equipped with locking type receptacles where instant response is required.

FEATURES

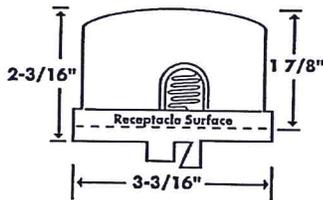
- Meets stringent utility standards for street and highway lighting
- Complies with ANSI C136.10 and EEI NEMA standards.

SPECIFICATIONS

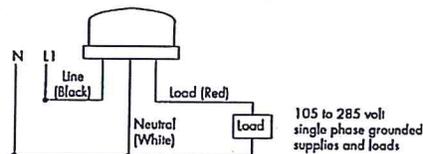
- **MOUNTING:** Units and locking-type prongs meet requirements of ANSI C136.10.
- **PHOTOCELL:** Cadmium Sulphide.
- **ENCLOSURE:** Polypropylene, UV Stabilized, permanent color with UV resistant clear acrylic window. Provides high impact, flammability resistance and electrically safe operation.
- **COLOR CODED DOMES:** Meet ANSI designations as follows:
 - Grey: 105-130VAC
 - Blue: 105-285VAC
 - Yellow: 480VAC
- **RELAY:** Positive snap action switching, reducing bounce and prolonging contact life.
- **LOCKING PRONGS:** Solid brass for maximum corrosion resistance and electrical dependability.
- 360 joules MOV exceeds NEMA and ANSI requirements.
- **TURN-ON/TURN-OFF:** Turn-ON is 1 to 3 fc. Turn-OFF to Turn-ON ratio is 3 average.
- **TEMPERATURE RANGE:** -40° to +158°F (-40° to +70°C).



DIMENSIONS



WIRING DIAGRAMS



CATALOG NO	UPC CODE	VOLTAGE 50-60HZ	COLOR	TUNGSTEN	RATING	BALLAST
2005A	62012	105-130	GREY	1000W		1800VA
2007A	62013	105-285	BLUE	1000W		1800VA
2008A	62014	400-550	YELLOW	1000W		1800VA

SPECIFICATION WRITER'S GUIDE

Furnish and install an instant response type photocontrol which meets all requirements of ANSI C136.10. Locking type prongs are to be solid brass. Relay is to provide positive snap action switching to ensure a minimum contact life of 5000 operations. Surge protection is to be provided using a 360 joules metal oxide varistor. Enclosure must be ANSI color coded, high impact, UV stabilized polypropylene and contain a UV stabilized and absorbing acrylic window. Base must be high impact ABS with a cross linked polyethylene gasket. Unit must provide a load rating of 1000W tungsten, 1800 VA ballast. Unit must fail in the ON position. Furnish and install Tork Model 2005A (2007A, 2008A).