

WESCO DISTRIBUTION

Item: **Additional Pricing:Published Catalog Description Date / Manufacturer / Item Number**

Attachments

TRASTAR LED TRAFFIC MODULES.pdf

JXC-300HF Balls, 12 in Tinted Clear.pdf

JXJ300-07T03 Omnidirectional Arrows 12 in - Tinted.pdf

JXM-300\_400VIE Countdown Pedestrian.pdf



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**TRASTAR LED TRAFFIC MODULES**

JOB NAME **TRAFFIC SIGNAL POLES AND COMPONENTS**  
 LOCATION **MARICOPA COUNTY DEPT OF TRANSPORTATION**  
 BID NO: **13043-C**

DATE **4/16/2013**

ITEM	QUANTITY	CATALOG NUMBER AND DESCRIPTION	UNIT PRICE
<b><u>TRASTAR LED TRAFFIC SIGNAL MODULES</u></b>			
We are pleased to offer the following traffic signal modules:			
1	each	12" RED BALL, TRASTAR #JXJ300-HFTR03	\$34.00
2	each	12" YELLOW BALL, TRASTAR #JXJ300-HFTY03	\$37.00
3	each	12" GREEN BALL, TRASTAR #JXJ300-HFTG03	\$35.00
4	each	12" RED ARROW, TRASTAR #JXJ300-07TR03	\$34.00
5	each	12" YELLOW ARROW, TRASTAR #JXJ300-07TY03	\$37.00
6	each	12" GREEN ARROW, TRASTAR #JXJ300-07TGO3	\$45.00
7	each	PEDESTRIAN MODULE, COUNTDOWN, TRASTAR#JXM-400VIEIL	\$80.00
8	each	BIMODAL ARROW, TRASTAR #JXJ-300VIYGA	
All units ITE compliant			
Entertek reports available			
			<b>TOTAL</b>

**THIS QUOTE IS BASED ON THE BILL OF MATERIAL AND QUANTITIES LISTED ONLY, AND IS NULL AND VOID UNTIL THE BILL OF MATERIAL AND QUANTITIES HAVE BEEN VERIFIED BY THE CONTRACTOR!**

F.O.B. POINT OF SHIPMENT

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[HTTP://WWW.WESCO.COM/TERMS\\_AND\\_CONDITIONS\\_OF\\_SALE.PDF](http://www.wesco.com/terms_and_conditions_of_sale.pdf)  
 AS SUCH TERMS MAY BE UPDATED FROM TIME TO TIME, WHICH TERMS ARE INCORPORATED HEREIN BY REFERENCE AND MADE PART HEREOF.

***Laura Sundberg***

BROWN WHOLESALE ELECTRIC CO.

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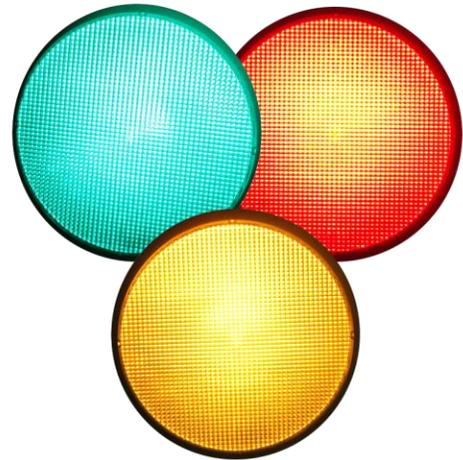
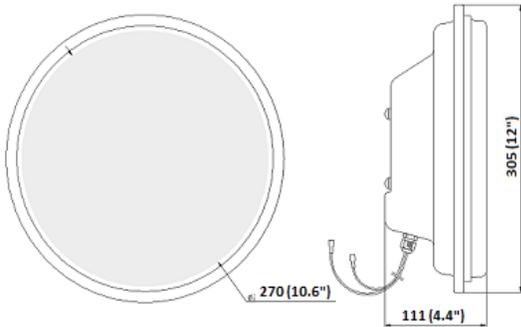
**TECHNICAL DATA**

Certified by ISO9001 International Quality Control System

**JXC-300HF Series Hi-Flux LED Vehicular Lamps**

**Features & Specifications**

- Compliance with latest ITE specifications
- Retrofit design & UV stabilized lens
- MIL-STD-883 mechanical vibration
- MIL-STD-810F moisture resistant
- Compliant to FCC Title 47
- Fully compatible with NEMA controllers/conflict monitors
- Uniform incandescent appearance with Hi-flux technology



Model Number	Size (mm)	Color (nm)	Lens Color	Voltage Range	Power(w) Typical	Operation Temperature	Power Factor	T.H.D	ITE Specs.
<b>JXC300-HFR-C</b>	300	Red (626)	Clear	80v-135v	10.5	-40°F - +165°F	> 0.9	< 20%	Yes
<b>JXC300-HFTR03</b>	300	Red (626)	Tinted	80v-135v	10.5	-40°F - +165°F	> 0.9	< 20%	Yes
<b>JXC300-HFY-C</b>	300	Yellow (592)	Clear	80v-135v	17	-40°F - +165°F	> 0.9	< 20%	Yes
<b>JXC300-HFTY03</b>	300	Yellow (592)	Tinted	80v-135v	17	-40°F - +165°F	> 0.9	< 20%	Yes
<b>JXC300-HFG-C</b>	300	Green (505)	Clear	80v-135v	11	-40°F - +165°F	> 0.9	< 20%	Yes
<b>JXC300-HFTG03</b>	300	Green (505)	Tinted	80v-135v	11	-40°F - +165°F	> 0.9	< 20%	Yes

All characteristics, including visual characters, chromaticity, moisture and vibration resistance, electronic noise, transient protection, etc., are conformed to standards specified in ITE LED Vehicle Signal Modules.

For additional technical information or sales support regarding these and other LED products, please contact us at (972) 480-0888 or visit our website at [www.trastarusa.com](http://www.trastarusa.com).





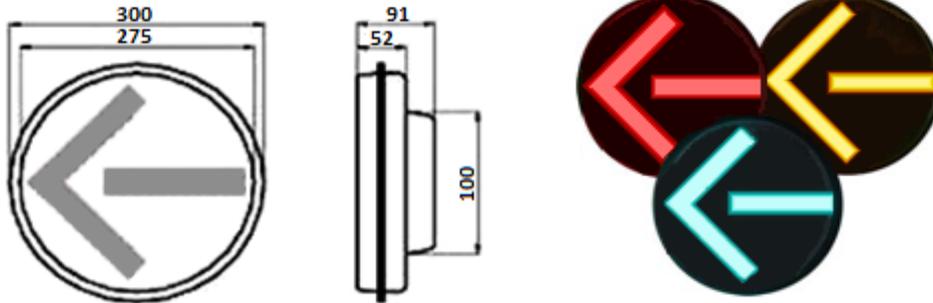
**TECHNICAL DATA**

Certified by ISO9001 International Quality Control System

**JXJ300-07T03 Omni-directional LED Arrow Lamps (Tinted)**

**Features & Specifications**

- Conform to latest ITE specifications
- Low power consumption & long operating lifetime LEDs
- Retrofit design & UV stabilized lens
- MIL-STD-883 mechanical vibration
- MIL-STD-810F moisture resistant
- Compliant to FCC Title 47
- Fully compatible with NEMA controllers/conflict monitors
- Omni directional & incandescent look



Model Number	JXJ300-07TR03	JXJ300-07TY03	JXJ300-07TG03
Size (mm)	300	300	300
Color (nm)	Red (626)	Yellow (592)	Green (505)
Voltage (Typical)	120V - 60hz	120V - 60hz	120V - 60hz
Voltage Range	80V - 135V	80V - 135V	80V - 135V
Power (w) Typical	7	9	6
Operation Temperature	-40°F to +165°F	-40°F to +165°F	-40°F to +165°F
Power Factor	> 0.9	> 0.9	> 0.9
T.H.D.	< 20%	< 20%	< 20%
ITE Specifications	Yes	Yes	Yes

Note: Products with 220 V are also available upon request.

All characteristics, including visual characters, chromaticity, moisture and vibration resistance, electronic noise, transient protection, etc., are conformed to standards specified in ITE LED Vehicle Signal Modules.

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860 N. Dorothy Drive, Suite 600, Richardson, TX 75081

Telephone: (972) 480-0888 | Fax: (972) 480-8884



**TECHNICAL DATA**

Certified by ISO9001 International Quality Control System

**JXM-300/400VIE Series Countdown Pedestrian Lamps**

**Features & Specifications**

- Low power consumption & long operating lifetime LEDs
- Retrofit design & UV stabilized lens
- MIL-STD-883 mechanical vibration
- MIL-STD-810F moisture resistant
- Fully compatible with NEMA controllers/conflict monitors

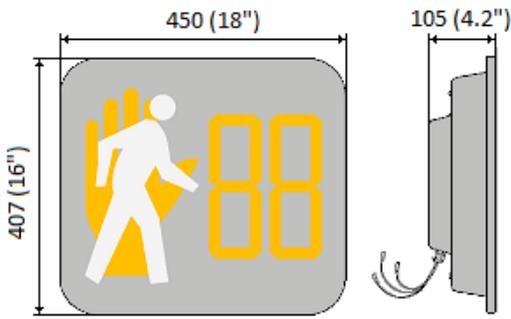


Fig. A



Fig. B



Fig. C

Model Number		JXM-300VIE	JXM-400VIE	JXM-400VIEIL
Size	Inches	16" X 18"	16" X 18"	16" X 18"
	mm	407 X 450	407 X 450	407 X 450
Configuration		Fig. A* <i>Pixilated</i>	Fig. B <i>Pixilated</i>	Fig. C <i>Incandescent Look</i>
Symbol	Hand	Full	Full	Full
	Man	Full	Full	Full
	Countdown	2 Digit	2 Digit	2 Digit
Voltage (Typical)		120V - 60hz	120V - 60hz	120V - 60hz
Voltage (Range)		80V - 135V	80V - 135V	80V - 135V
Power (W) Typical	Hand	8	8	8
	Man	8	8	8
	Countdown	4	4	4

\*Optional Operations Dipswitch

All characteristics, including visual characters, chromaticity, moisture and vibration resistance, electronic noise, transient protection, etc., are conformed to standards specified in ITE LED Vehicle Signal Modules.

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WESCO DISTRIBUTION

Item: **Additional Pricing:Additional Pricing:Pricing Column to be Used / Unit Price**

Attachments

Sternberg UnrivaLED Products.pdf

# STERNBERG LIGHTING

VOLUME 2



The most advanced LED system on the planet

# UNRIVALED™

# UNRIVALED™

## PRODUCTS AT A GLANCE



**PRAIRIE**

1230LED P20 - 21



**TINLEY**

1220LED P22 - 23



**OLD TOWN**

A850SRLED P24 - 25



**MONTERRO**

M960SRLED P26-27



**BOULEVARD**

D650SRLED P28 - 29



**AVENUE**

B750SRLED P30 - 31



**TOWN SQUARE**

A880SRLED P32 - 33



**RIPON A & B**

1130ALED / 1130BLEDD P34 - 35



**PLAZA A & B**

1190ALED / 1190BLEDD P36 - 37



**REVERE**

1335LED P38 - 39



**YALE**

A670TSRLED P40 - 41



**ROADWAY**

1430LED P42 - 43



**GLOBE PF**

G14/G24PFLED P44 - 45



**GLOBE DF**

G16/G24DFLED P46 - 47



**HISTORIC**

6130ALED P48 - 49



**HERITAGE**

6130CLEd P50 - 51



**MAIN STREET A & B**

MS805ALEd / MS805BLEd P52 - 53



**CARSON CITY**

1843LED P54 - 55



**VICTORIAN GASLIGHT I**

6590SRLED P56 - 57



**CHATEAU**

1760LED P58 - 59



**GALLERY**

1970LED P60 - 61



**PARK RIDGE**

1910LED/5RLM P62 - 63



**LIBERTYVILLE**

1914LED P64 - 65



**GLENVIEW**

1940LED P66 - 67

See website – [www.sternberglighting.com](http://www.sternberglighting.com) – for complete specifications and IES files.

# UNRIVALED™

## PRODUCTS AT A GLANCE



**RENO**

1910LED/5LBS P68 - 69



**LAKE BLUFF**

1910LED/5LB-5LBL P70 - 71



**OMEGA**

1521LED / 1527LED / 1531LED P72- 73



**EURO**

E250LED / E260LED P74- 75



**EURO**

E350LED / E360LED P76 - 77



**EURO**

E420LED 78 - 79



**EURO**

E450LED / E460LED P80 - 81



### COMING SOON: 1730LED VILLA

The 1730LED Villa luminaire is a large scale, dramatic design fixture featuring a tall, cylindrical body made up of a cast aluminum top, round lens and spun aluminum shade. The luminaire has LED light sources with roof mounted, downlighting optics.

See website – [www.sternberglighting.com](http://www.sternberglighting.com) – for complete specifications and IES files.

SEARCH

GO

## ABOUT UNRIVALED™

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Since 1923, Sternberg Lighting has maintained its position as a leader in the lighting industry by utilizing the latest technological advancements. This continues today with the introduction of our UNRIVALED™ systems, designed and engineered by Sternberg, specifically for Sternberg luminaires. This green technology offers the opportunity to drastically reduce your energy consumption while providing warm, efficient lighting in a way not possible just a few years ago. The following overview highlights what can be achieved by utilizing our newest offering.

### ENERGY SAVINGS IN EXCESS OF 50%

Energy consumption can be reduced by over 50% depending on the fixture and system chosen when converting from HID to an LED system.

### REDUCTION OF MAINTENANCE COSTS

With approximately 70,000 hours of lamp life, you're utilizing a technology designed to last 16 years or longer (operating 12 hours per day, 7 days per week). There are no ballasts or capacitors to be replaced or maintained. By comparison, Metal Halide lamps typically last 12,000 to 15,000 hours and High Pressure Sodium lamps typically last approximately 20,000 to 24,000 hours.

Reduced expense in man hours, vehicular travel and disruption of traffic flow resulting from street lighting maintenance operations.

### EASE OF RETROFIT

All UNRIVALED™ systems are designed to be easily retrofitted into existing Sternberg luminaires, in the field.

### MAXIMIZED EFFICIENCY

All UNRIVALED™ systems are designed and engineered by Sternberg around the specific features of each luminaire. This maximizes the output and efficiency for each luminaire, which can only be attained from a system designed specifically for that fixture.

### 4500K COLOR TEMPERATURE / STANDARD

Sternberg's UNRIVALED™ systems are designed around **4500K** LEDs, which produce a white light with color similar to that of Metal Halide.

High Output, High Brightness LEDs produce a CRI value not less than 75, in which objects and people appear more natural and which improves effective depth perception.

Sternberg **6000K** systems are available, which increase lumen output by producing a bluish-white spectrum of light, along with a **3500K** option providing a softer, warmer spectrum.

### Reduced carbon footprint

Fully compliant with the RoHS Directive (Restriction of Hazardous Substances).

UNRIVALED™ LEDs and circuit boards are 100% recyclable and environmentally friendly, containing no lead, mercury or any other hazardous substances.

Significantly reduced energy consumption, requiring less output from power plants.

Lowers CO<sub>2</sub> emissions which contribute to global warming.

### PERFORMANCE

Provides approximately 70,000 hours of lighting, at a level not less than 70% of initial lumen output. Sternberg testing is done in accordance with LM-79-08 and LM-80-08.

Many UNRIVALED™ systems are designed to produce a minimum of IES Cutoff performance in order to help obtain LEED certification\*.

Highly efficient optics combined with a Direct Delivery System maximize efficiency. This results in the ability to provide comparable Downward Delivered Lumens using less luminaires and greater pole spacing.

### 7 YEAR WARRANTY EFFECTIVE ON SHIPMENTS AFTER 5/01/2010

Sternberg Lighting warrants our UNRIVALED™ systems for 7 full years, per the terms of our published Limited Warranty.



WHOLESALE ELECTRIC CO.  
A Division of W E S C O

**QUOTATION**

3425 E. VAN BUREN, SUITE 140  
PHOENIX, ARIZONA 85008

PHONE (602) 275-8521  
FAX (602) 275-9632

PAGE 1 OF 1

THIS PROPOSAL HAS BEEN MADE BASED ON INFORMATION WE HAVE AVAILABLE.  
WE ARE NOT LIABLE FOR ANY QUANTITIES OR MATERIAL NOT IDENTIFIED IN OUR PROPOSAL.

JOB NAME **AMERON Traffic Signal Poles**  
LOCATION **Maricopa County contract#13043-C**  
CUSTOMER **Maricopa County/attn: Derron Wasp**

DATE **1/15/2015**

LINE ITEM	QUANTITY		UNIT PRICE	EXTENDED PRICE	
<b>BID 13043-C: TRAFFIC SIGNAL POLES AND COMPONENTS</b>					
<b>MFG: AMERON</b>					
<b>FREIGHT: INCLUDED</b>					
1	1	POLE SHAFT, TYPE 'A', 14'	\$297.00	\$297.00	
2	1	POLE SHAFT, TYPE 'A', 16'	\$334.00	\$334.00	
3	1	POLE SHAFT, TYPE 'A', 18'	\$364.00	\$364.00	
4	1	POLE SHAFT, TYPE 'E', 16'	\$864.00	\$864.00	
5	1	POLE SHAFT, TYPE 'F', 30'	\$1,363.00	\$1,363.00	
6	1	POLE SHAFT, TYPE 'J', 14'	\$2,005.00	\$2,005.00	
7	1	POLE SHAFT, TYPE 'Q', 30'	\$2,742.00	\$2,742.00	
8	1	POLE SHAFT, TYPE 'K', 14'	\$2,619.00	\$2,619.00	
9	1	POLE SHAFT, TYPE 'R', 30'	\$3,764.00	\$3,764.00	
10	1	MAST ARM FOR 'E' AND 'F' POLE: 12'	\$347.00	\$347.00	
11	1	MAST ARM FOR 'E' AND 'F' POLE: 15'	\$561.00	\$561.00	
12	1	MAST ARM FOR 'E' AND 'F' POLE: 18'	\$595.00	\$595.00	
13	1	MAST ARM FOR 'E' AND 'F' POLE: 20'	\$693.00	\$693.00	
14	1	MAST ARM FOR 'J' AND 'Q' POLE: SIGNAL 25'	\$942.00	\$942.00	
15	1	MAST ARM FOR 'J' AND 'Q' POLE: SIGNAL 30'	\$977.00	\$977.00	
16	1	MAST ARM FOR 'J' AND 'Q' POLE: SIGNAL 35'	\$1,586.00	\$1,586.00	
17	1	MAST ARM FOR 'J' AND 'Q' POLE: SIGNAL 40'	\$1,602.00	\$1,602.00	
18	1	MAST ARM FOR 'K' AND 'R' POLE: SIGNAL 45'	\$2,819.00	\$2,819.00	
19	1	MAST ARM FOR 'K' AND 'R' POLE: SIGNAL 50'	\$3,642.00	\$3,642.00	
20	1	MAST ARM FOR 'K' AND 'R' POLE: SIGNAL 55'	\$4,086.00	\$4,086.00	
21	1	MAST ARM FOR 'F' OR 'R' OR 'Q' POLE: LUMINAIRE 12'	\$319.00	\$319.00	
22	1	MAST ARM FOR 'F' OR 'R' OR 'Q' POLE: LUMINAIRE 15'	\$450.00	\$450.00	
23	1	MAST ARM FOR 'F' OR 'R' OR 'Q' POLE: LUMINAIRE 20'	\$668.00	\$668.00	
				<b>TOTAL</b>	<b>\$33,639.00</b>

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**Laura Sundberg**

BROWN WHOLESALE ELECTRIC CO.

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