

OFFICE OF THE CITY ATTORNEY
ROBERT E. SHANNON, City Attorney
333 West Ocean Boulevard, 11th Floor
Long Beach, CA 90802-4664

1 TWENTY-FIRST AMENDMENT TO LIGHTING CONTRACT NO. 24289

2 **24289**

3 THIS TWENTY-FIRST AMENDMENT is made and entered, in duplicate, as
4 of January 9, 2009 for reference purposes only, pursuant to a minute order adopted by
5 the City Council of the City of Long Beach at its meeting on November 21, 1995, by and
6 between WS LIGHT & POWER, INC., a California corporation ("WS"), assignee of CITY
7 LIGHT & POWER, INC., a Colorado corporation ("CLP"), and the CITY OF LONG
8 BEACH, a municipal corporation ("City").

9 WHEREAS, the parties entered Lighting Contract No. 24289 whereby CLP
10 agreed to convert the City's Street Light System and said Contract contained a provision
11 whereby the City could choose to include Other Lights in the conversion; and

12 WHEREAS, the City desires the WS perform such additional work as
13 provided in the Contract;

14 NOW, THEREFORE, in consideration of the mutual terms and conditions
15 contained in Lighting Contract No. 24289 and herein, the parties agree as follows:

16 1. Section 48 is hereby added to Lighting Contract No. 24289 to read
17 as follows:

18 "48. EAST VILLAGE STREET LIGHTING UPGRADE

19 "48.1. Scope of Work. WS shall install new decorative street lighting as
20 selected by City and run the necessary conduit and wire for the operation of the street
21 lights and poles located in the area commonly known as the "East Village" and more
22 particularly described in the proposal and approvals attached hereto as Exhibit "X". The
23 work done hereunder shall be known as 'East Village Street Lighting Upgrade'.

24 "48.2 Compensation. For the services and work relating to the East Village
25 Street Lighting Upgrade, City shall pay to WS upon completion of the services, an
26 amount up to One Million Thirty-Three Thousand Two Hundred Dollars (\$1,033,200).

27 "48.3 Conditions. To the extent applicable, any and all terms and
28 conditions relating to the Street Light System in Lighting Contract No. 24289, including all

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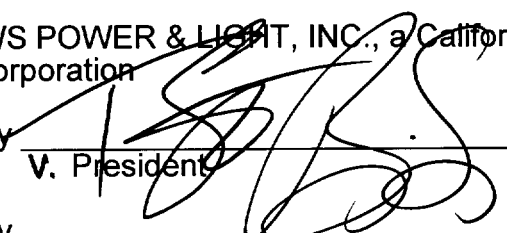
1 exhibits, shall apply to the East Village Street Lighting Upgrade.”

2 2. The proposals attached hereto as Exhibit “X” shall be attached to
3 Lighting Contract No. 24289 as Exhibit “X” thereto.

4 3. Except as expressly amended herein, all of the terms and conditions
5 in Lighting Contract No. 24289, as previously amended, are ratified and confirmed and
6 shall remain in full force and effect.

7 IN WITNESS WHEREOF, the parties have caused this document to be duly
8 executed with all formalities required by law as of the date first stated above.

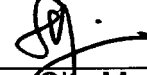
9 WS POWER & LIGHT, INC., a California
10 corporation

11 By 
12 V. President

13 By _____
14 Secretary

15 “WS”

16 CITY OF LONG BEACH, a municipal
17 corporation

18 By  Assistant City Manager
19 City Manager

20 “City”

**EXECUTED PURSUANT
TO SECTION 301 OF
THE CITY CHARTER.**

21 This Twenty-First Amendment to Lighting Contract No. 24289 is approved as to form on
22 February 19, 2009.

23 ROBERT E. SHANNON, City Attorney

24 By 
25 Deputy

26 00-00166



City Light & Power, Inc.
2961 Redondo Avenue
Long Beach
California 90806
Tel: 562 983 2000
Fax: 562 983 7870

January 29, 2009

Amy J. Bodek
Assistant Executive Director
Long Beach Redevelopment Agency (LBRDA)
333 West Ocean Boulevard, 3rd Floor
Long Beach, CA 90802

RE: East Village Decorative Area Lighting Project

Dear Ms. Bodek:

City Light & Power, Inc. (CLP) is pleased to submit a proposal to install decorative street lighting in the East Village area located on 1st Street, Elm Avenue & Linden Avenue from Long Beach Boulevard to Alamitos Avenue in the City of Long Beach. The following estimate is based on landscape drawings provided to CLP by the LBRDA.

CLP will purchase and install ninety two (92) twelve foot Se'Lux Quadrolisk poles (see attached cut sheet) with 70 watt metal halide fixtures, ninety two (92) new concrete foundations with anchor bolts, the necessary conduit, THHN insulated wire and pull boxes with covers. All demolished sidewalk on 1st Street will be temporarily patched due to the City of Long Beach Public Works 1st Street improvement project following CLP construction. CLP will restore all demolished sidewalk on Elm Avenue and Linden Avenue related to this project. This estimate also contains the removal of five (5) existing street light standards and fixtures. The cost to complete this project would be eight hundred seventy three thousand eight hundred seventy eight dollars (\$873,878).

Because of the quantity of fixtures being added to existing circuitry, CLP recommends the upgrade of five (5) existing non-metered electrical street light services to metered services. The estimated budget cost to complete the upgrade would be twenty four thousand five hundred fifty dollars (\$24,550).

Going Forward:

Once CLP has received the letter with your signature indicating the Notice to Proceed, all material will be ordered and all preparation work will commence. The current lead time for the Se'Lux poles that have been chosen for this project is listed at 8-10 weeks.

If you have any questions, please call me at (562) 216-2160.

EXHIBIT X

Amy J. Bodek
January 29, 2009
Page 2 of 2

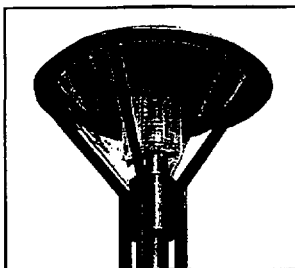
Sincerely,
CITY LIGHT & POWER, INC.

A handwritten signature in black ink, appearing to be 'W. Simmons', written over the company name.

William J. Simmons
Vice President

EXHIBIT X

Quadrolisk



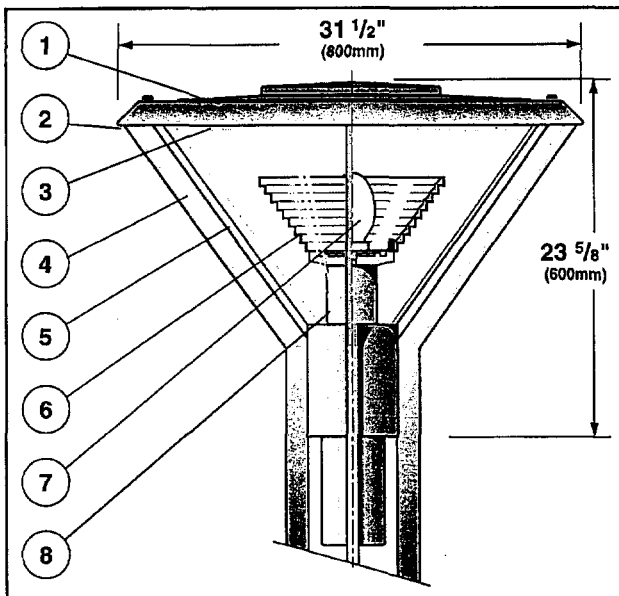
Project: _____

Type: _____ Qty: _____

QDL - M5 - 12 - H070 - BZ - M.T. - HS
 Fixture Series Shielding Height Lamp Type/Wattage Finish Voltage Options

Series	Shielding	Height	Lamp Type / Wattage			Finish	Voltage	Options
QDL Quadrolisk	MA Type III MTR* 135 Refractor	12 12 feet	T6 Metal Halide			WH White	120	HS ³ House Side Shield (180)
	MS Type V MTR* 135 Refractor	14 14 feet	H035T6 35wT6	H050 ¹ 50w	S050 ¹ 50w	BK Black	208	
	SP Type V Silver Louver		H070T6 70wT6	H070 70w	S070 70w	BZ Bronze	240	
	WP Type V White Louver		H150T6 150wT6	H100 100w	S100 100w	SV Silver	277	
	MR Type V MTR* 150 Refractor		(T6 only available with MA and MS refractors)	H150 ² 150w	S150 ² 150w	SP Specify RAL#	347	
	M3 Type IV MTR* 180 Refractor							
	M5 Type V MTR* 180 Refractor							
	MC Type V MTR* Cone Refractor							

* US Patent No. 4,669,034 ¹Only available in 120v and 277v ²Not available with MR or MC ³Not available with MA, MS, M3 or MC



1. Fixture Cover - Formed aluminum cover with white painted interior for maximum reflectivity. Removes by loosening four captive stainless steel screws for easy access to lamp chamber.

2. Gasketing - Continuous molded neoprene gasket provides weatherproofing.

dust, and insect control for all fixture connections.

3. Frame Ring - Formed aluminum ring with fixture cover screw retaining hardware. Ring attaches to fixture frame arms.

4. Fixture Frame/Pole - Four formed steel arms with round

steel connecting rings form lattice style assembly.

5. Globe - Vacuum-formed, one piece clear U.V. stabilized polycarbonate.

6. Shielding - Select Type III or V MTR135 refractor; high pressure die-cast aluminum Type V silver or white louver; or Type III, IV, or V MTR Refractor.

7. Lamp - Select one coated, base down, medium base ED-17 metal halide, high pressure sodium, or one G12 base T6 metal halide, up to 150w.

8. Electroblock - Pulse rated porcelain, medium base socket is mounted to die-cast aluminum socket cup for maximum heat dissipation and is pre-wired to core & coil ballast. Socket cup attaches to electroblock with two stainless steel screws and is easily removable for ballast service. Consult factory for more detailed ballast information.

product is thoroughly cleaned, phosphated and sealed. SELUX powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Bronze (BZ), Silver (SV) or Natural Brushed Stainless Steel (SS). RAL colors (SP) are also available, please specify RAL#.

Exterior Luminaire Finish - SELUX utilizes a high quality Polyester Powder Coating. All SELUX luminaires and poles undergo a five stage intensive pretreatment process where

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 FAX (845) 691-6749
 www.selux.com/usa
 QDL-1208-01 (SS-v3.7)

NRTL Listed (i.e. UL, CSA)

Union Made Affiliated
 with IBEW Local 363



In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.com/usa are the most recent versions and supercede all other printed or electronic versions.

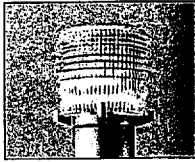
EXHIBIT X

Quadrolisk

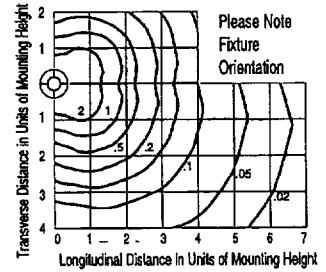
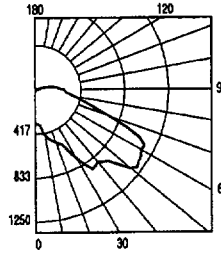
selux®

MTR135 Refractor

Catalog # QDL-MA-1-H100
Report # SX 9310

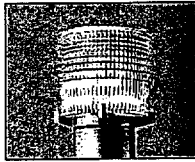


- Dual optic function combines inner cylindrical lens with Fresnel type prisms.
- New high efficiency MTR optics with low glare and high efficiency. (patent pending)
- Glass refractors keep properties for full lifetime of luminaire.
- IES classification, Type III Cutoff.

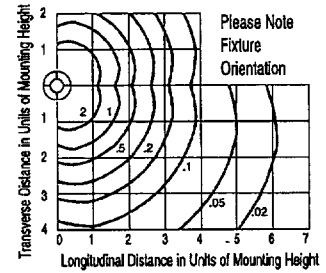
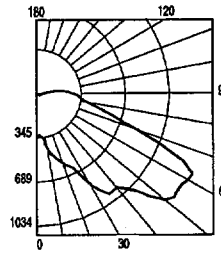


MTR135 Refractor

Catalog # QDL-MS-1-H150
Report # SX762AB5

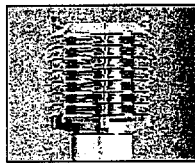


- Dual optic function combines inner cylindrical lens with Fresnel type prisms.
- New high efficiency MTR optics with low glare and high efficiency. (patent pending)
- Maximum candela of 1378 at 63° from vertical.
- IES classification, Type V Semi-Cutoff.

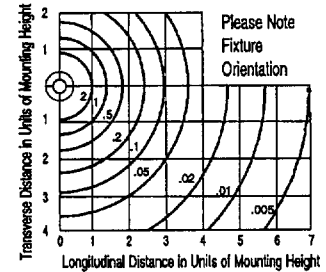
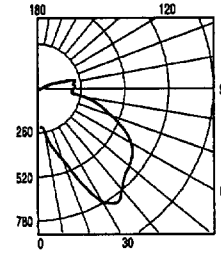


Silver Louver

Catalog # QDL-SP-1-H100
Report # SX 9310

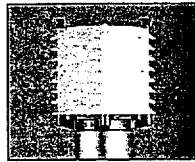


- Mirror finish with prismatic underside shields light source and controls glare.
- Resulting dark light effect offers superior visual comfort.
- Maximum candela of 788.0 at 35° from vertical.
- IES classification, Type V Cutoff.

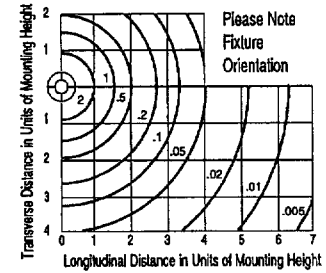
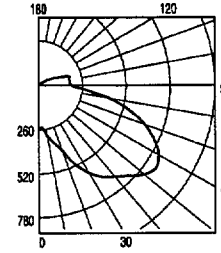


White Louver

Catalog # QDL-WP-1-H100
Report # SX 9311



- A selux variation of a classic louver design.
- Combines brightness control with a subtle luminance around the source.
- Maximum candela of 837.0 at 55° from vertical.
- IES classification, Type V Cutoff.

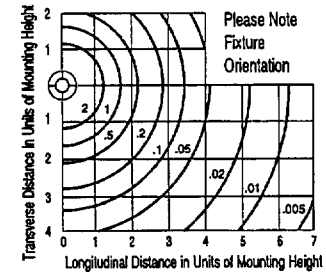
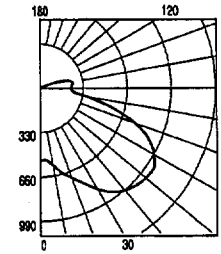


MTR 150 Refractor

Catalog # QDL-MR-1-H100
Report # SX 7957



- Innovative multi-prisms for total reflection incorporates light-bending characteristics of a prism. US patent no. 4,669,034.
- Directs light precisely with minimum intensity at critical viewing angles.
- Maximum candela of 1054.0 at 55° from vertical.
- IES classification, Type V Semi-cutoff.



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PO Box 1060, 5 Lumen Lane
Highland, NY 12528
TEL: (845) 691-7723
FAX: (845) 691-6749
E-mail: seluxus@selux.com
Web Site: www.selux.com/usa
QDI-1208-02

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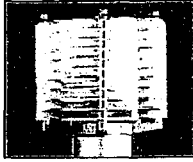
EXHIBIT X

Quadrolisk

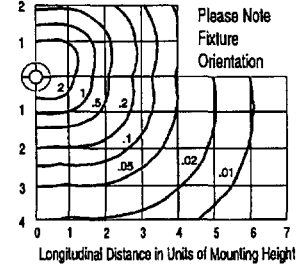
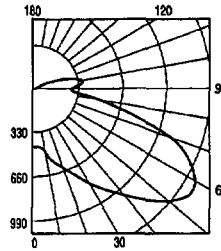


MTR 180 Refractor

Catalog # QDL-M3-1-H100
For M5 expect results similar to MTR 150
Report # SX 7963

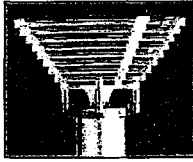


- Innovative multi-prisms for total reflection incorporates light-bending characteristics of a prism. US patent no. 4,669,034.
- Directs light precisely with minimum intensity at critical viewing angles.
- Maximum candela of 1388.7 at 55° from vertical.
- IES classification, Type IV Semi-cutoff.

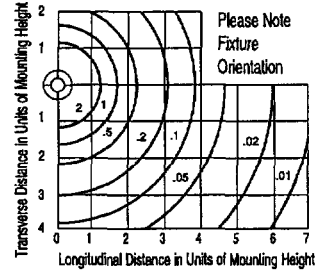
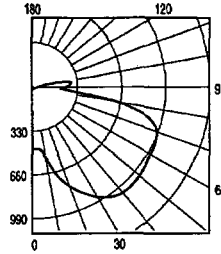


MTR Cone Refractor

Catalog # QDL-MC-1-H100
Report # SX 7959



- MTR optical technology in an inverted, open cone form.
- Precisely directs light with minimum intensity at critical viewing angles.
- Maximum candela distribution of 1044.0 at 45° from vertical
- IES classification, Type V Semi-cutoff.



HID Lamp Prorate Table (ED-17 Coated, Base-Down Lamp)					
High Pressure Sodium			Metal Halide		
Wattage	Factor	Initial Lumens	Wattage	Factor	Initial Lumens
50	0.47	3700	50	0.44	3400
70	0.74	5800	70	0.64	5000
100	1.13	8800	100	1.00	7800
150	1.86	14500	150	1.79	14000

Conversion Chart	
Values based on 12' mounting height.	
Mounting Height	Multiply
12'	1.00
14'	0.73

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PO Box 1060, 5 Lumen Lane
Highland, NY 12528
TEL: (845) 691-7723
FAX: (845) 691-6749
E-mail: seluxus@selux.com
Web Site: www.selux.com/usa
QDI-1208-03

EXHIBIT X

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Quadrolisk

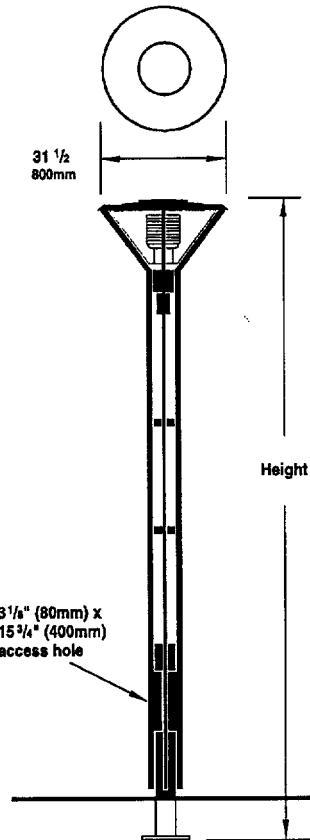
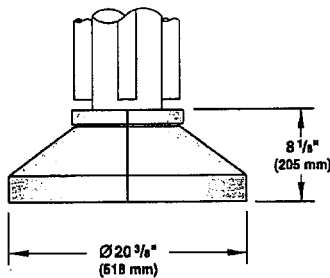
selux

Mounting

Quadrolisk utilizes the same inverted cone pole top fixture as the Quadro 1, however, the integral, lattice construction of the pole provides a unique elegance to prestigious pedestrian areas, shopping malls, and commercial zones.

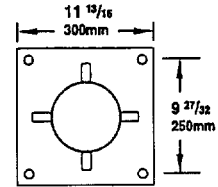
BC9 Optional Base Cover

Die-cast aluminum, two-piece field installable base cover.

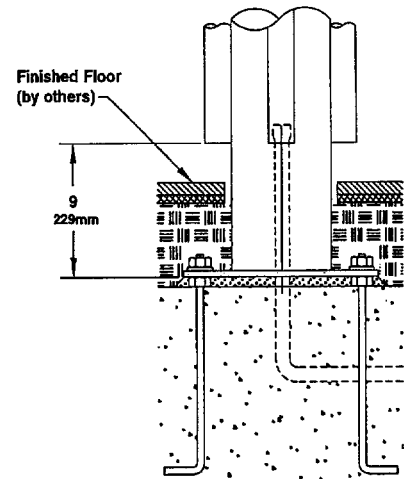


Pole/Fixture allow for 100mph with 1.3 gust factor.

Lattice steel pole is welded to a 7/16 (10mm) thick steel plate, supplied with anchor bolts and template.



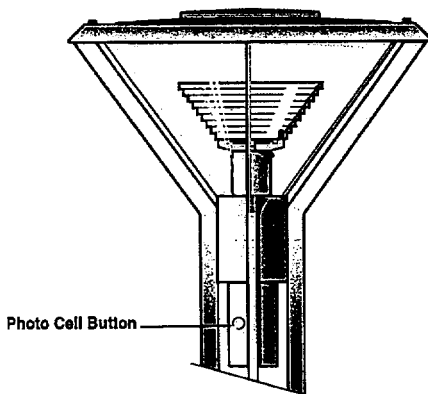
Stub conduit 6 (53mm) above footing.



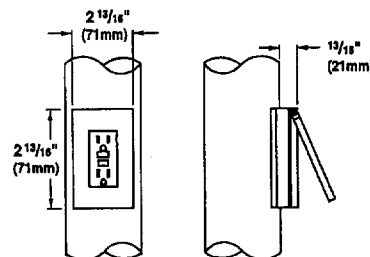
Suggested anchor bolt projection 2 (50mm). Galvanized steel anchor bolts 3/4 x 15 (19mm x 381mm). Concrete footing to be designed and installed by others.

Optional Accessories

Photo Cell (PC) - Button type photo cell mounted in pole as shown.



GFCI Receptacle (REC) - GFCI duplex receptacle with cast base welded to pole and gasketed, provided with weather-proof, self-closing cover; located 30" (762mm) from base of pole, inline with handhole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.



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Highland, NY 12528-1060
QDL-1208-04 (6-49023-00)

TEL: (845) 691-7723 FAX: (845) 691-6749
E-mail: seluxus@selux.com
Web Site: www.selux.com/usa

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EXHIBIT X

**DECORATIVE LIGHTING INSTALLATION
EAST VILLAGE
COST SUMMARY**

ITEM	UNITS	\$ / UNIT	TOTAL
1 Furnish & Install Se'Lux Pole & Fixture	92	\$ 5,012.20	\$ 461,122
2 Furnish & Install Concrete Base	92	\$ 1,913.91	\$ 176,080
3 Furnish & Install #2 Pull Box & Lid	92	\$ 461.94	\$ 42,498
4 Furnish & Install Double Fuse Kit	92	\$ 103.21	\$ 9,495
5 Furnish & Install THHN Wire	25,000	\$ 1.54	\$ 38,500
6 Furnish & Install PVC Conduit - Concrete Replacement Where Needed	2,500	\$ 30.32	\$ 75,800
7 Pole Removal w/ Pull Box	5	\$ 1,130.30	\$ 5,652
SUBTOTAL			\$ 809,147

Project Management	7.000%		\$ 56,640
Design	1.000%		\$ 8,091
SUBTOTAL			\$ 64,731

TOTAL PROJECT COST			\$ 873,878
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RECOMMENDED INSTALLATION

ITEM	UNITS	\$ / UNIT	TOTAL
1 Furnish & Install 100 Amp Metered Electrical Service	5	\$ 4,910.00	\$ 24,550
SUBTOTAL			\$ 24,550

EXHIBIT X