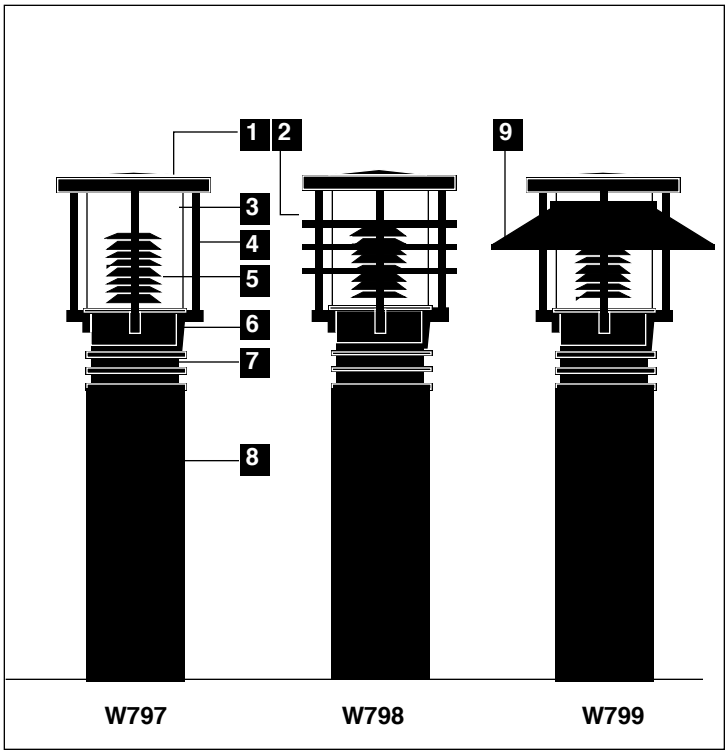
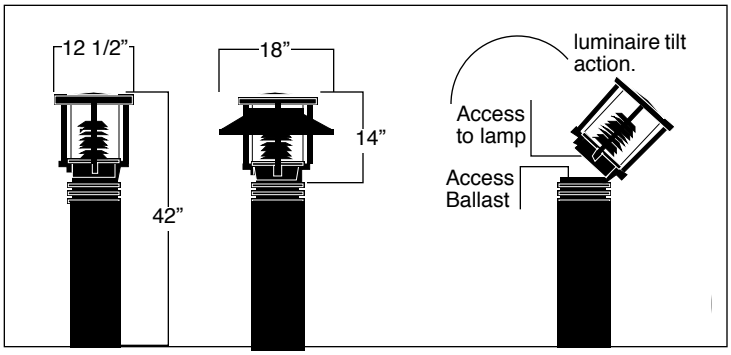
Specification — W797 . W798 . W799



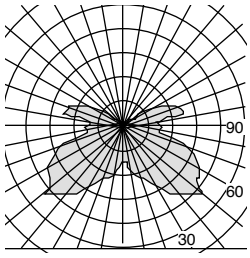
All exposed cast aluminum components are made of non corrosive pure aluminum copper free (Aluminum is less than .1% copper content.#356 alloy.)
The luminaire base assembly is built with a hinge mechanism,allowing to tilt the top part of the luminaire to access the electrical equipment. No tools required. The quick disconnect ballast assembly is installed on a removable tray. The lamp is accessible with a twist and lock action.
The ease of maintenance and lamp replacement concept will leave the optical chamber free of finger prints and foreign particles,
Finish: All polyester powder baked coatings preceded with a 5 baths preparation process. Meets military grade MIL-C781706 with a 2000 hours salt spray test.

- Pulse rated porcelain socket or 75W/600V thermoplastic compact fluorescent socket.
- One-piece molded silicone gasket with memory retention.
- High power factor CWA ballast. Or 98% P.F.electronic smart ballast with end of life detection for compact fluorescent.
- All stainless steel hardware.
- All Moving and removable parts are sealed with a memory retention silicone gasket.

1- Min. 3/16" thick cast aluminum top cover.
2- **W798**: Set of four 1/4" thick interlocked cast aluminum blades.
3- Clear acrylic U.V. protected high impact cylinder.
4- 1/2" dia. solid aluminum struts.
5- Set of 8 satin anodized aluminum louvers for brightness control.
6- Cast Aluminum swing out housing,with safety cable retainer. Push release button for quick access to electrical equipment Safety lock hexagonal side set screw for restricted access. (Except for safety lock,no tools required for maintenance.)
7- Cast Aluminum ballast housing with dissipation fins to maximize heat dissipation and cool operation of ballast.
8- 8" dia.extruded aluminum bollard stand.
9- **W799**: 18" dia.field adjustable min. 3/16" thick cast aluminum shade. Adjustability will contribute to control brightness with various viewing angles.



Photometry



Separate updated technical specification sheets with related models and light sources with I.E.S formatted photometry are available on **www.luminis.com.**

Certification

UL. Wet Location.

Mounting.

Set of three 1/2" -13 x 12" lg. galvanized anchor bolts.

For options details and specifications, please refer to pages **41.42.43**

Model#

☐ **W797**
☐ **W798**
☐ **W799**



Light source selection

Best results with H.I.D. Coated lamps

MH (ED17)
☐ M50
☐ M70
☐ M100

HPS (ED17)
☐ H50
☐ H70
☐ H100

CF (Gx24q)

Single lamp
☐ F132
☐ F142
☐ F157
☐ F170

(Lamps by others)

Voltage

120 V Standard factory prewired
(If no voltage is specified)

For other voltages, please specify with catalog number.

H.I.D.
☐ 208 V
☐ 240 V
☐ 277 V
☐ 347 V
☐ 480 V

COMP. FLUO.
Smart ballast 120/277
☐ 347 V (To specify)

Finish

(Refer to color chart)

Standard selection
☐ **WHT**:Snow white
☐ **BKT**: Jet black
☐ **BZT**: Bronze
☐ **GRT**: Titanium gray
☐ **DGT**: Gun metal
☐ **CHT**: Champagne
☐ **MST**: Matte silver
☐ **GNT**: Forest green

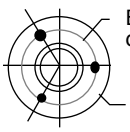
Optional colors
☐ **CS**: Custom color
☐ **RAL**: RAL# color

Options

Accessories
☐ **H1:** House shield.
☐ **PR7:** Pier mount.

Electrical
☐ **EM42:** 1 lamp (26/32/42W) Integral Emergency battery back up.
☐ **FS:** Fuse
☐ **PH1:** 120/277V photo cell
☐ **PH2:** 347V photo cell

Mounting

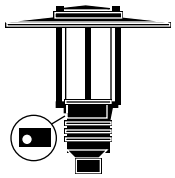


Luminaires may be altered for design improvements or discontinued without prior notice.

LUMINIS [USA] - 3555 NW 53rd Court, Fort Lauderdale, FL.33309 Tel: 954 .717 .4155 Fax: 954 . 717.4157 Web: www.luminis.com
LUMINIS [Canada] - 87 C Brunswick D.D.O. Q.C. Canada H9B 2J5 Toll free: 888 .401 .6999
Sept. 2006 Rev. Feb.2007

Push Release button lock

Option: **LB1**

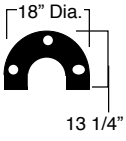


For restricted access.
Locked push button.
Requires 8-32 hexagonal key to release.

General notes:
Please specify selected option as a suffix to luminaire model number.
ex: W614-M100-WHT-**LB1**
Each model is provided with a listing of compatible options. Some options may not be compatible when used in the same luminaire. Please check listings.

Reflector disc

Option: **OS**



Aluminum oblong reflector disc.
(Factory installed)
Applicable to W632 & W640

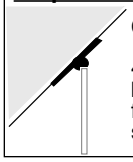
House side shield



Option:
H2 For post top luminaires
H1 For bollard mount luminaires.

Exterior white enamel, and specular aluminum inner reflective surface.
The shield is inserted and snaps inside the diffuser.
360º on site rotation.

Slope ceiling adaptor



Option: **SW45**

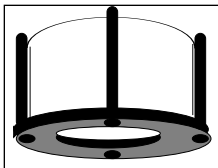
45º hang straight ball swivel for 5/8" dia. suspension stem.

Suspension safety cable

Option: **STC**



Additional safety cable, extended 12" beyond canopy



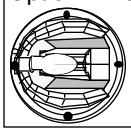
Adjustable down light (W780 series)

Option: **DL4**

50W / MR16 adjustable down light
Available with 120V power input. For other voltages, please consult factory
Note:Other down light sources than shown with option DL4 are available. Please consult factory.

Type III reflector

Option: **RF3 / RA3 / RL3 / PR3**



Type III Multifaceted specular reflector. (Single lamp only.)

Suspension stem



5/8" O.D. suspension stem.
STM60 60" lg.
STM80 80" lg.
For other factory cut to size length add suffix **-STM** with desired length to catalog# max.120"

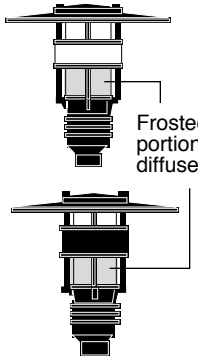
Light distribution control

Option: **R3** Type III light distribution refractor

Option: **R4** Type IV light distribution refractor

Semi frosted diffuser

Option: **LF1**



Type IV reflector

Option: **RF4 / RA4 / RL4**



Type IV Forward throw aluminum specular reflector.(Single lamp only.)

Lamps & ballast compatibility

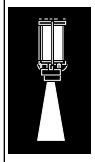
Compact Fluorescent

Lamp Watts	Lamp base
26W	G24Xq3
32W	G24Xq3
42W	G24Xq4
57W	G24Xq5
70W	G24Xq6
85W	2G8-1
120W	2G8-1

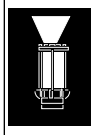
Metal halide

Lamp Watts	Lamp base	ANSI Code
39W	T6/G12	M130
50W	ED17	M110/M148
70W	ED17	M198/M143
70W	T6/G12	M139
100W	ED17	M90/M140
150W	ED17	M102/M142
150W	T6/G12	M142
175W	ED17	M57

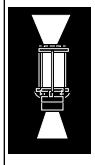
Wall mount light options



Option: **DL1**
DL1-277
12V/50W MR16
Down light with integral 120/12V or 277/12V electronic transformer. other input voltages on request.



Option: **DL2**
Open sealed top cover allowing up-lighting



Option: **DLC**

DL1 / DL2 Combination.

Fuse

Option



FS
Ballast protection fuse
Available with H.I.D. luminaires only

Note: FS option fuse is factory calibrated and installed with selected wattage.

Post mount luminaires:
FS installed with pole.

All other types:
FS is installed with luminaire.

Emergency battery pack

For 57w & 70w: Consult factory
EM42
One lamp:
26w: 450 Lmns..
32w: 575 Lmns.
42w: 750 Lmns.
Time: 90 Mnts -120/277V T 0º C
Please refer to page 72 for more details

Light photo sensor

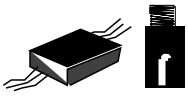


Option: **PH1 -**120V
PH2 - 277 / 347V

Photo electric sensor, factory installed with the pole or inside fixture when pole is not required.

Quartz lamp restrike

Option: **QRS**



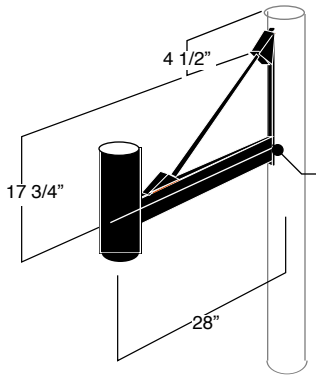
Quartz restrike standby lamp kit.
When power failure is restored, it will energize temporary Quartz lamp with progressive dimming until full H.I.D light output is produced.
max.100w DC bayonet type.
(Lamp is not included.)
Not Applicable with CFL lamps.

Quartz lamp restrike

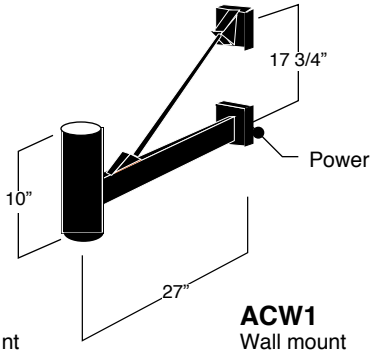
Option: **QS**



Quartz lamp socket for external 120V emergency power input.
Separate 120V dedicated wiring is included.
max.100 W DC bayonet type.
(Lamp is not included.)
Not Applicable with CFL lamps.

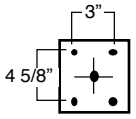


ACA1
Pole mount
EPA:0.7

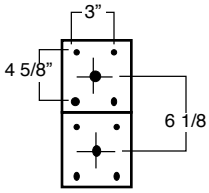


ACW1
Wall mount

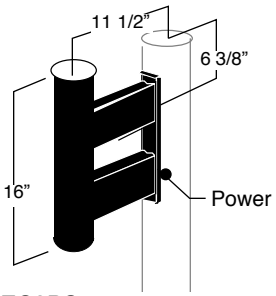
ACW1 series
Mounting



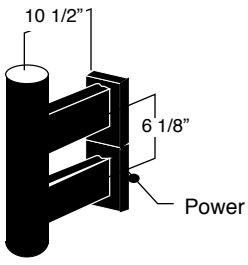
EC3W
EC3WS
series
Mounting



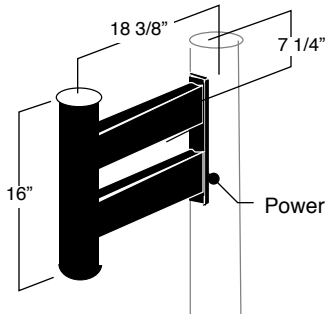
ACA1/ ACW1 -1" x 3" extruded aluminum side pole or wall mounting adaptor.
1/2" dia. stainless steel rod support. 10" x 4" o.dia. aluminum tenon.



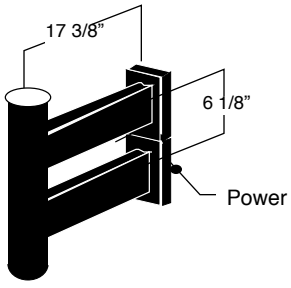
EC3PS -1" x 3" extruded aluminum twin short arm side pole mounting adaptor designed to fit with 4 to 5" dia. poles.
16" lg. X4" o.d. tenon. This option is applicable only to catalog numbers with the suffix **LS**
EPA:0.72



EC3WS -1" x 3" extruded aluminum twin short arm mounting adaptor designed for wall installation, with a set of two cast aluminum mounting plates.
This option is applicable only to catalog numbers with the suffix **LS**



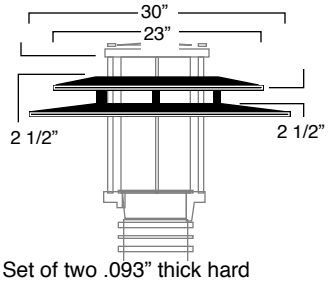
EC3P -1" x 3" extruded aluminum twin extended arm side pole mounting adaptor designed to fit with 4 to 5" dia. poles.
16" lg. X4" o.d. tenon.
EPA:0.97



EC3W -1" x 3" extruded aluminum twin extended arm mounting adaptor designed for wall installation, with a set of two cast aluminum mounting plates.

Please specify selected option with a suffix to the specified model number.
Ex: W624LS-**EC3WS-EC5** M100-WHT

23/30"dia. aluminum double adjustable dropped shade

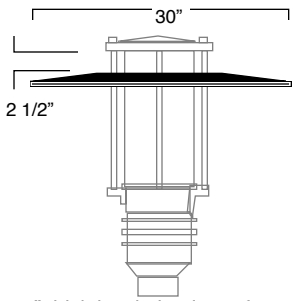


Set of two .093" thick hard aluminum shades factory prefixed. The underside is standard white enamel to optimize lighting performance. The set of shades can slide along the diffuser to accommodate various landscape viewing angles.
Note: The distance between the two shades is fixed.

Option: **EC6** EPA:0.44

Compatible with:
ACA1 EC3P
ACW1 EC3W

30"dia. aluminum single adjustable dropped shade

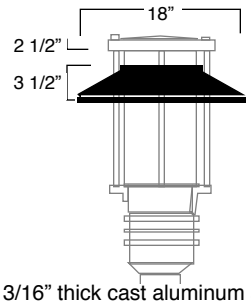


.093" thick hard aluminum factory prefixed dropped shade. The underside is standard white enamel to optimize lighting performance. The shade can slide along the diffuser to accommodate various landscape viewing angles.

Option: **EC7** EPA:0.25

Compatible with:
ACA1 EC3P
ACW1 EC3W

18" dia. cast aluminum adjustable shade

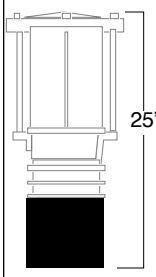


3/16" thick cast aluminum shade for applications where heavy traffic requires indestructible materials. The underside is standard white enamel to optimize lighting performance. The shade can slide along the diffuser to accommodate various landscape viewing angles.

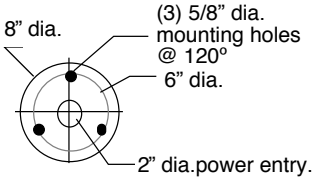
Option: **EC5** EPA:0.26

Compatible with:
ACA1 EC3P EC3PS
ACW1 EC3W EC3WS

Pier or short wall top mount



Short bollard stand. Compatible with all bollard luminaires. Add. **PR7** as suffix to the selected bollard model.

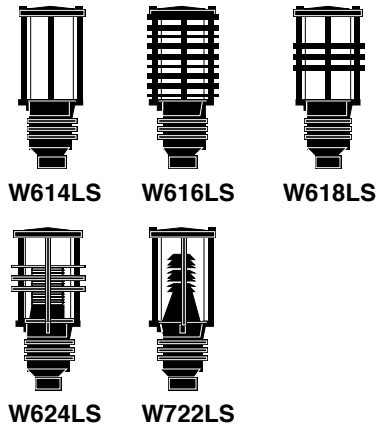


Option: **PR7**

Compatible with:
W788 TO W791 Bollard series.

Luminaires may be altered for design improvements or discontinued without prior notice.

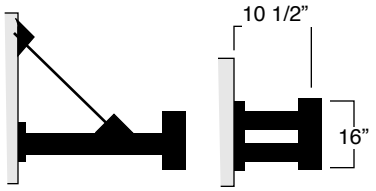
LUMINIS [USA] - 3555 NW 53rd Court, Fort Lauderdale, FL.33309 Tel: 954 .717 .4155 Fax: 954 . 717.4157 Web: www.luminis.com
LUMINIS [Canada] - 87 C Brunswick D.D.O. Q.C. Canada H9B 2J5 Toll free: 888 .401 .6999
Sept. 2006 Rev. Feb.2007



W614LS **W616LS** **W618LS**

W624LS **W722LS**

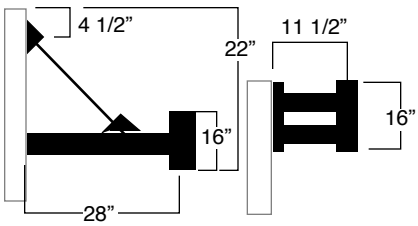
Wall mount



ACW1
Wall mount

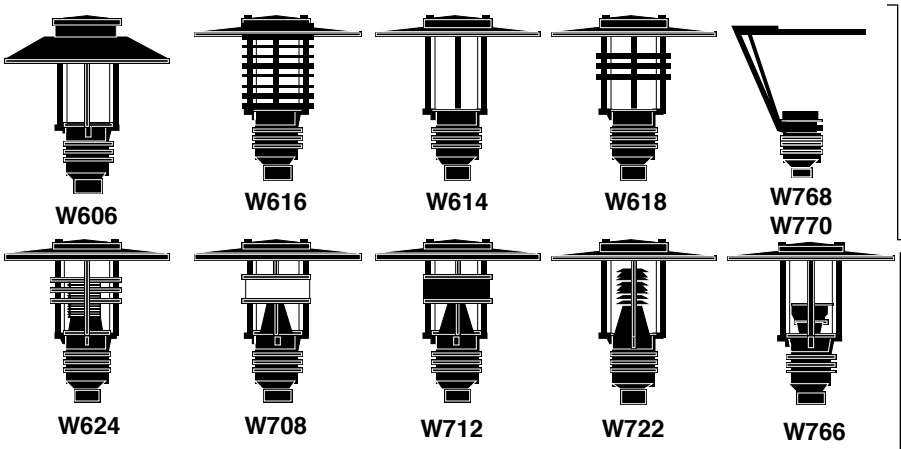
EC3WS
Wall mount short.arm

Pole mount



ACA1
Pole mount

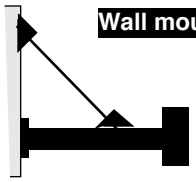
EC3PS
Pole mount short arm.



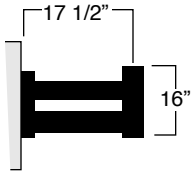
W606 **W616** **W614** **W618** **W768** **W770**

W624 **W708** **W712** **W722** **W766**

Wall mount

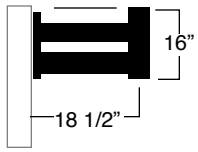


ACW1
Wall mount

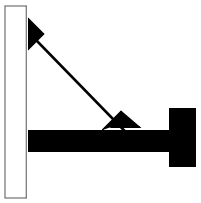


EC3W
Wall mount extended.

Pole mount

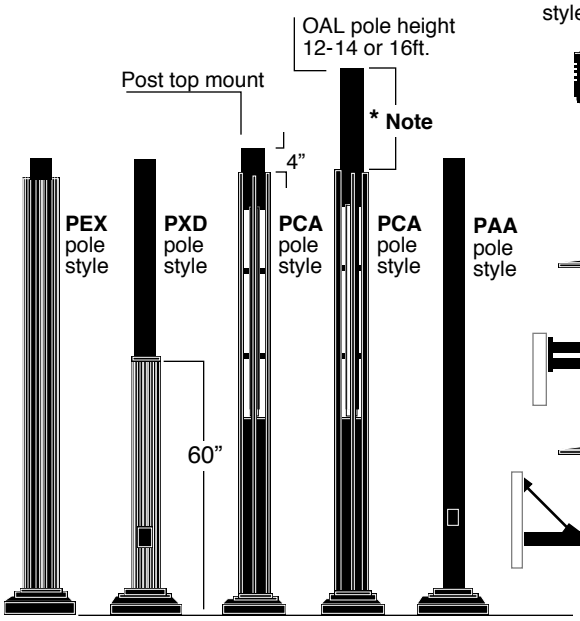


EC3P
Wall mount extended.

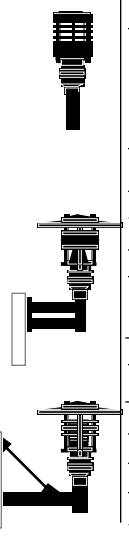


ACA1 Pole mount

* Note:
36" extension with ACA attachment
24" extension with EC3P attachment



Mounting style



Compatible poles listing.

Post top mounting					
4"O.D.	**5"O.D.**	**4"O.D.**	**4"O.D.**	**4"O.D.**	Pole height
PAA410	PAA510-A	PCA10	PEX10	PXD10	10 ft
PAA412	PAA512-A	PCA12	PEX12	PXD12	12 ft
PAA414	PAA514-A	PCA14	PEX14	PXD14	14 ft
PAA416	PAA516-A	PCA16	PEX16	PXD16	16 ft
PAA418	PAA518-A		PEX18	PXD18	18 ft
PAA420	PAA520-A		PEX20	PXD20	20 ft
Post side mount with EC3P attachment accessory					
PAA410-C3P	PAA510-C3P				10 ft
PAA412-C3P	PAA512-C3P	PCA12-C3P	PEX12-C3P	PXD12-C3P	12 ft
PAA414-C3P	PAA514-C3P	PCA14-C3P	PEX14-C3P	PXD14-C3P	14 ft
PAA416-C3P	PAA516-C3P	PCA16-C3P	PEX16-C3P	PXD16-C3P	16 ft
PAA418-C3P	PAA518-C3P		PEX18-C3P	PXD18-C3P	18 ft
PAA420-C3P	PAA520-C3P				20 ft
Post side mount with ACA1 attachment accessory					
PAA414-ACA	PAA514-ACA	PCA14-ACA	PXD14-ACA		14 ft
PAA416-ACA	PAA516-ACA	PCA16-ACA	PXD16-ACA		16 ft
PAA418-ACA	PAA518-ACA		PXD18-ACA		18 ft
PAA420-ACA	PAA520-ACA		PXD20-ACA		20 ft

For poles details and specification, please refer to pages 140 to 144

Luminaires may be altered for design improvements or discontinued without prior notice.

LUMINIS [USA] - 3555 NW 53rd Court, Fort Lauderdale, FL.33309 Tel: 954 .717 .4155 Fax: 954 . 717.4157 Web: www.luminis.com
LUMINIS [Canada] - 87 C Brunswick D.D.O. Q.C. Canada H9B 2J5 Toll free: 888 .401 .6999

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