



CONSTRUCTION PERMIT APPLICATION

C-14-000161

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: Hess #30279-1672 Route #88, Brick, NJ 08724

2. Name of Owner in Fee: Hess Corporation
 Tel. (732) 750-6112 e-mail —
 Address One Hess Plaza Woodbridge NJ 07095
street municipality zip code

3. Ownership in Fee: Public — Private —

4. Principal Contractor: Candela Systems Corporation Tel. (800) 245-5483
 Address 148 Route 202, Somers, NY 10589 e-mail Jbernardo@candelasystems.com

License No. OR, if new home, Builder Reg. No. 34EI01312000 Exp. Date 03/31/2015
 Home Improvement Contractor Registration No. or Exemption Reason (if applicable): —
 Federal Emp. ID No. 13-3785885 FAX: (914) 248-6820

5. Architect or Engineer — Contact —
 Address — e-mail —
 Tel. — FAX: —

6. Responsible Person in Charge once Work has Begun James S. Bernardo ✓
 Tel. (800) 245-5483 FAX: (914) 248-6820

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$ <u>40</u>		
2. Electrical			
3. Plumbing			
4. Fire Protection			
5. Elevator Devices			
6. Subtotal			
7. Less 20% for State Plan Review	\$		
8. Subtotal	\$		
9. State Permit Surcharge Fee			
10. Subtotal	\$ <u>5</u>		
11. Cert. of Occupancy			
12. Other	<u>45</u>		
13. TOTAL	\$		

VI. BUILDING/SITE CHARACTERISTICS

1. Number of Stories —

2. Height of Structure — ft.

3. Area — Largest Floor — sq. ft.

4. New Building Area — sq. ft.

5. Volume of New Structure — cu. ft.

6. Max. Live Load —

7. Max. Occupancy Load —

8. If Industrialized Building: State Approved — HUD —

9. Total Land Area Disturbed — sq. ft.

10. Flood Hazard Zone —

11. Base Flood Elevation — ft.

12. Wetlands yes —

(office use only)

COMMERCIAL

IIa. PROPOSED WORK

- ☐ Minor Work ☐ New Building ☐ Addition ☐ Demolition
- ☐ Repair ☐ Alteration ☐ Renovation ☐ Reconstruction
- ☐ Asbestos Abat. -Subch. 8 ☐ Lead Hazard Abatement ☐ Radon Remediation ☐ Annual Permit

IIb. SUBCODES

(Check all that apply)

- ☐ Building
- ☒ Electrical
- ☐ Plumbing
- ☐ Fire Protection
- ☐ Elevator

FOR OFFICE USE ONLY (Optional)

Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
	<u>JAN 16 2014</u>							
<u>2,750.00</u>				<u>1-21-14</u>	<u>RWC</u>			

TOTAL COST 2,750.00

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: —
2. Use Group, Proposed: —
3. Change in Use Group, Indicate Present: —
4. No. of dwelling units: Total Units Income-restricted
- Gained, Sale —
- Gained, Rental —
- Lost, Sale —
- Lost, Rental —

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: —
2. Use Group, Proposed: —
3. Change in Use Group, Indicate Present: —

C. MIXED USE -List secondary use(s): —

- D. Construct. Classification: Present —
 Proposed —

III. PLAN REVIEW (optional)

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

DO YOU WANT:

1. ☐ Partial Releases
2. ☐ Prototype Processing

1. ☐ Elevators/Escalators/Lifts/ Dumbwaiters/Moving Walks
2. ☐ High Pressure Boilers
3. ☐ Pressure Vessels
4. ☐ Refrigeration Systems
5. ☐ Cross-Connections/Backflow Preventers
6. ☐ Hazardous Uses/Places of Assembly
7. ☐ Sprinklers/Standpipes
8. ☐ Smoke Control Systems in Open Wells
9. ☐ Underground Storage Tanks
10. ☐ Swimming Pools, Spas and Hot Tubs
11. ☐ LPGas Tanks
12. ☐ Fire Alarm



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 10/03/2014
Control Number C-14-000161
Permit Number 14-0180
Permit Issue Date 01/27/2014
Certificate Number 14-0180

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 1672 ROUTE 88 Hess Gas Station Brick Township, NJ Block: 1170.01 Lot: 4 Qual: _____
Owner in Fee: HESS REALTY CORPORATION
Owner Address: PO BOX 696419 SAN ANTONIO NJ 78269
Telephone: _____
Contractor: CANDELA SYSTEMS CORP
Address: 148 ROUTE 202 SOMERS NY 10589-
Telephone: (914) 248-8900 Fax: _____
License Number or Builders Registration Number: _____ Federal Emp. Number: 13-3785885

Home Warranty Number: _____

Type of Warranty Plan: ☐ State ☐ Private

Use Group: B Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: LIGHT POLES replacing LED lights only, not poles

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than _____ or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of: _____
Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJACS:17 to the following extent.

- ☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (_____ years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

- ☐ Total removal of asbestos hazards in scope of work
☐ Partial or limited time period (_____ years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: _____ or the owner will be subject to fine or order to vacate:
This certificate has an expiration date of: _____
Conditions to be met:

David A. Newman Jr.

Construction Official

Fee: \$0.00

Check Number: _____

Collected By: _____

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(f)1.ix:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

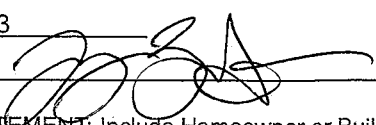
I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

Agent Name Candela Systems Corporation d/b/a: Candela Systems Electrical Contractors, Inc.

Address 148 Route 202, Somers, NY 10589

Telephone (800) 245-5483

Signature  _____

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.



ELECTRICAL SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 1178.01 Lot 4 Qualification Code _____

Work Site Location Hess # 30249

Owner In Fee: Hess Corporation

Tel. (332) 750-6112 e-mail _____

Address One Hess Plaza Woodbridge NJ 07095

Contractor: Candela Systems Corporation municipality _____

Address 148 Route 202, Somers, NY 10589 e-mail jbernardo@candelasystems.com

Contractor License No. 34IE01312000 Exp. Date 03/31/2015

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 13-3785885 FAX: 914 248-6820

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

[] Pole/Pad # _____ [] Temporary _____

Building Occupied as _____ Utility Co. **COMMERCIAL**

Est. Cost of Elec. Work \$ 2,750.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required

[] Partial, Underslab Utilities Approved

Date: _____ Approved by: _____

[] Electric Plans Approved

Date: _____ Approved by: _____

Joint Plan Review Required:

[] Bldg. [] Plumb. [] Fire. [] Elev.

SUBCODE APPROVAL FOR PERMIT

Date: 9/23/14

Approved by: [Signature]

SUBCODE APPROVAL FOR CERTIFICATE

[] CO [] CC [] CA

Date: 9/23/14

Approved by: [Signature]

INSPECTIONS

Type: _____ Failure _____ Approval _____ Initial _____

[] Rough

[] Barrier-Free

[] Trench

[] Temp. Serv.

[] Constr. Serv.

[] TCO

[] Other

[] Service

[] Final

[] Barrier-Free

Temp. Cut-In-Card Date Issued _____

Final Cut-In-Card Date Issued _____

Annual Pool Inspection _____

Date of Grounding and Bonding Certification _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here: _____

Print name here: James S. Bernardo

[X] Licensed Elec. Contractor [] Certifd Landscape Irrigation Contr [] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Replace Light Pole Fixtures.

QTY. SIZE ITEMS FEE (Office Use Only)

Lighting Fixtures

Receptacles

Switches

Detectors

Light Poles

Motors—Fract. HP

Emergency & Exit Lights

Communications Points

Alarm Devices/F.A.C. Panel

TOTAL NUMBERS

Pool Permit/with UW Lights

Storable Pool/Spa/Hot Tub

KW Elec. Range/Receptacle

KW Oven/Surface Unit

KW Elec. Water Heater

KW Elec. Dryer/Receptacle

KW Dishwasher

HP Garbage Disposal

KW Central A/C Unit

HP/KW Space Heater/Air Handler

KW Baseboard Heat

HP Motors 1/+ HP

KW Transformer/Generator

AMP Service

AMP Subpanels

AMP Motor Control Center

KW Elec. Sign/Outline Light

Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

TOTAL FEE \$ _____

Date Received
Control #
Date Issued
Permit #

14-0180
12/1/14



CONSTRUCTION PERMIT

Date Issued 11-14-01
Control # C-14-000161
Permit # 112114

IDENTIFICATION Block: 1170.01 Lot: 4 Qualifier _____
Work Site Location: 1672 ROUTE 88 Hess Gas Station Brick Township, NJ Contractor: CANDELA SYSTEMS CORP
Owner in Fee: HESS REALTY CORPORATION Address: 148 ROUTE 202 SOMERS NY 10589
PO BOX 696419 SAN ANTONIO NJ 77249 Telephone: (914) 248-8900
Telephone: _____ Lic. No. or Bldrs. Reg. No. _____
Federal Employee No. 13-3785885

Is hereby granted permission to perform the following work:

- | | | |
|--|--|--|
| ☐ BUILDING | ☐ PLUMBING | ☐ LEAD HAZARD ABATEMENT |
| ☒ ELECTRICAL | ☐ FIRE PROTECTION | ☐ DEMOLITION |
| ☐ ELEVATOR DEVICES | ☐ ASBESTOS ABATEMENT
(Subchapter 8 only) | ☐ OTHER |

DESCRIPTION OF WORK:

LIGHT POLES replacing LED lights only, not poles

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$2,750

Daniel Newman
Construction Official

Date 11-22-01

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$0
Electrical	\$40
Plumbing	\$0
Fire Protection	\$0
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$5
CO Fee	
Other	\$0
Total	\$45
Check No.	<u>112114</u>
Cash	\$0
Credit	\$0
Collected By	

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☐ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to backfilling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place before the rough electrical and plumbing inspections and after the installation of the heating, ventilation and/or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish materials.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat-producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☒ A final inspection is required for each applicable subcode before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☐ A complete copy of released plans must be kept on the job site.

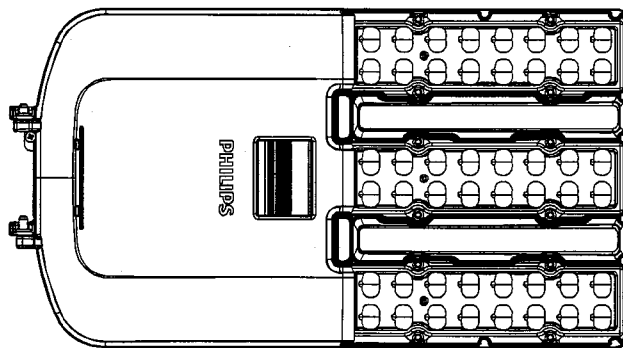
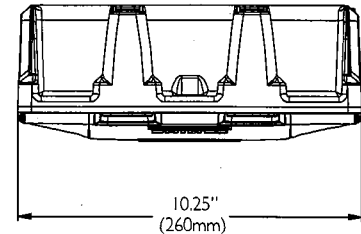
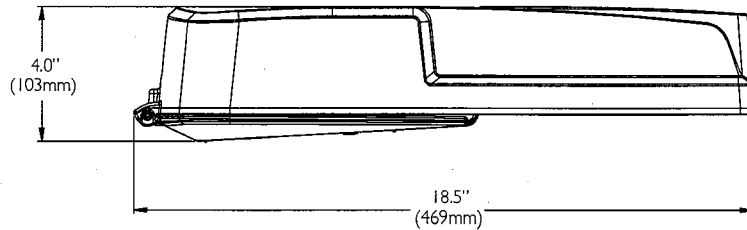
If you do not understand any of this information, please ask

StreetView

SVM

Page 1 of 3

Project: _____ Catalog No: _____ Mfg: _____
 Location: _____ Fixture Type: _____ Qty: _____
 Notes: _____ Lamps: _____



SVM

EPA:
0.51 sq ft

Weight:
10.4 lbs (4.7 kg)

Ordering Guide

example: SVM-90W48LED4K-R-LE3-UNIV-DMG-RC-HS-GY3

Luminaire	Lamp	Optical System	Voltage	Integrated Features	Driver and Luminaire Options	Luminaire Accessories	Finish
SVM	90W48LED4K-R	LE3	UNIV	RC		HS	GY3
SVM LED Roadway Luminaire	30W16LED4K-R 60W32LED4K-R 90W48LED4K-R	LE2 TYPE II LE3 TYPE III LE5 TYPE V	UNIV: 120 / 277: 30W, 60W, 90W HVU: 347 / 480: 60W, 90W 120: 30W	RC Receptacle for a twist-lock photocell or shorting cap DMG Dimmable driver 0-10V <i>Please note that these integrated features always come with StreetView luminaire.</i>	SP1 CLO AST OTL AMPD CDMG DALI <i>Please note that these options are not part of the quick ship program and are shipped separately.</i>	HS House side shield PH8 Photoelectric cell PH9 Shorting Cap SPC Starsense Photo-cell Control <i>Please note that these accessories are part of the quick ship program. They are quickly and easily installed in the field.</i>	GY3 Grey finish NF Non-painted (optional)



AST

Pre-set driver for progressive start-up of the LED module(s) to optimize energy management and enhance visual comfort at start-up.

OTL

Pre-set driver to signal end of life of the LED module(s) for better fixture management.

AMPD

Driver pre-programmed for compatibility with Amplight control system.

CDMG

Dynadimmer standard dimming functionalities including pre-programmed scenarios to suit many applications and needs from safety to maximum energy savings.

DALI

Pre-set driver compatible with the DALI control system.

Please note that these options are not part of the quick ship program.

Luminaire Accessories

HS

House side shield

PH8

Photoelectric cell

PH9

Shorting Cap

SPC

Starsense Photo-cell Control

Please note that these accessories are part of the quick ship program. They are quickly and easily installed in the field.

Luminaire Useful Life:

Refer to IES files for energy consumption and delivered lumens for each option. Based on ISTMT in situ thermal testing in accordance with UL1598 and UL8750, Philips Advance data and Philips Lumileds LM80/TM21 data, expected to reach 100,000+ hours with >L70 lumen maintenance @ 25°C.

Wiring:

The connection of the luminaire is done using a terminal block connector 600V, 85A for use with #2 14 AWG. wires from the primary circuit, located inside the housing.

Hardware:

All exposed screws shall be stainless steel with Ceramic primer seal basecoat to reduce seizing of the parts. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

Finish:

Color to be medium grey (GY3) and in accordance with the AAMA 2603 standard. Application of a polyester powdercoat paint (4 mils/100 microns) with ± 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D 2244 standard, as well as luster retention in keeping with the ASTM D 523 standard and humidity proof in accordance with the ASTM D2247 standard.

The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

LED Products Manufacturing Standard:

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340 5 1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Vibration Resistance:

The SVM meets the ANSI C136.31 2010, American National Standard for Roadway Luminaire Vibration specifications for Bridge /overpass applications (Tested for 3G over 100,000 cycles by an independent lab).

Certifications and Compliance:

CSA, UL or cUL. Luminaire complies with DOE MSSLC Model Specification for LED Roadway Luminaires. StreetView is listed on the DesignLights Consortium (DLC) qualified products list.

Warranty:

StreetView is covered by a 10-year warranty from defects in material and workmanship in its intended use, as well as coverage for the finish. Visit website for more details on warranty.



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A Division of Philips Electronics North America Corporation.
Specifications are subject to change without notice.

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Boisbriand, Québec, Canada J7G 2A7
tel: 450-430-7040
fax: 450-430-1453
web: philips.com/lumec

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Board of Exam. of Electrical Contractors

HAS LICENSED

JAMES S. BERNARDO
148 ROUTE 202
SOMERS NY 10589-1606

FOR PRACTICE IN NEW JERSEY AS A(N): Electrical Contractor

02/14/2012 TO 03/31/2015
VALID

34EI01312000
LICENSE/REGISTRATION/CERTIFICATION #

Signature of Licensee/Registrant/Certificate Holder

DIRECTOR

New Jersey Office of the Attorney General
Division of Consumer Affairs
THIS IS TO CERTIFY THAT THE
Board of Exam. of Electrical Contractors
HAS LICENSED
JAMES S. BERNARDO
Electrical Contractor

02/14/2012 TO 03/31/2015
VALID

SIGNATURE

34EI01312000

License/Registration/Certificate #

DIRECTOR

PLEASE DETACH HERE
IF YOUR LICENSE/REGISTRATION/
CERTIFICATE ID CARD IS LOST
PLEASE NOTIFY:

Board of Exam. of Electrical Contractors
P.O. Box 45006
Newark, NJ 07101

PLEASE DETACH HERE

JAMES S. BERNARDO

EXPIRATION DATE 2015

YOUR LICENSE/REGISTRATION/CERTIFICATE NUMBER IS 34EI 01312000 . PLEASE USE IT IN ALL
CORRESPONDENCE TO THE DIVISION OF CONSUMER AFFAIRS. USE THIS SECTION TO REPORT ADDRESS
CHANGES. YOU ARE REQUIRED TO REPORT ANY ADDRESS CHANGES IMMEDIATELY TO THE ADDRESS NOTED
BELOW.

Board of Exam. of Electrical Contractors
P.O. Box 45006
Newark, NJ 07101

PRINT YOUR NEW ADDRESS OF RECORD BELOW.

YOUR ADDRESS OF RECORD IS THE ADDRESS THAT WILL PRINT ON
YOUR LICENSE/REGISTRATION/CERTIFICATE AND IT MAY BE MADE
AVAILABLE TO THE PUBLIC.

HOME ☐

BUSINESS ☐

TELEPHONE
INCLUDE AREA CODE

PRINT YOUR NEW MAILING ADDRESS BELOW.

YOUR MAILING ADDRESS IS THE ADDRESS THAT WILL BE USED BY THE
DIVISION OF CONSUMER AFFAIRS TO SEND YOU ALL CORRESPONDENCE.

HOME ☐

BUSINESS ☐

TELEPHONE
INCLUDE AREA CODE

If the law governing your profession requires the current license/registration/certificate to be displayed, it should be
within reasonable proximity of your original license/registration/certificate at your principal office or place of
business.



ELECTRICAL SUBCODE TECHNICAL SECTION



A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 170.01 Lot 4 Qualification Code _____

Work Site Location Hess # 30279

Owner In Fee: Hess Corporation

Tel. (332) 750-6112 e-mail _____

Address One Hess Plaza Woodbridge NJ 07095

Contractor: Candela Systems Corporation Tel. 800 245-5483 Zip code _____

Address 148 Route 202, Somers, NY 10589 e-mail candela@systems.com

Contractor License No. 34IE01312000 Exp. Date 03/31/2015

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 13-3785885 FAX: 914 248-6820

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

☐ Pole/Pad # _____ ☐ Temporary ☐ Other _____

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ 2,750.00

COMMERCIAL

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required

☐ Partial - Underslab Utilities Approved

Date: _____ Approved by: _____

☐ Electric Plans Approved

Date: _____ Approved by: _____

Joint Plan Review Required: _____

☐ Bldg. ☐ Plumb. ☐ Fire. ☐ Elev.

SUBCODE APPROVAL for PERMIT

Date: _____

Approved by: _____

SUBCODE APPROVAL for CERTIFICATE

☐ CO ☐ CCO ☐ CA

Date: _____

Approved by: _____

INSPECTIONS

Dates (Month/Day)

Type: _____ Failure _____ Approval _____ Initial _____

☐ Partial - Underslab Utilities Approved

Date: _____ Approved by: _____

☐ Electric Plans Approved

Date: _____ Approved by: _____

Joint Plan Review Required: _____

☐ Bldg. ☐ Plumb. ☐ Fire. ☐ Elev.

SUBCODE APPROVAL for PERMIT

Date: _____

Approved by: _____

SUBCODE APPROVAL for CERTIFICATE

☐ CO ☐ CCO ☐ CA

Date: _____

Approved by: _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here: _____

Print name here: James S. Bernardo

☒ Licensed Elec. Contractor ☐ Certifd Landscape Irrigation Contr ☐ Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Replace Light Pole Fixtures.

QTY. SIZE ITEMS

Lighting Fixtures

Receptacles

Switches

Detectors

Light Poles

Motors—Fract. HP

Emergency & Exit Lights

Communications Points

Alarm Devices/F.A.C. Panel

TOTAL NUMBERS

Pool Permit/with UW Lights

Storable Pool/Spa/Hot Tub

KW Elec. Range/Receptacle

KW Oven/Surface Unit

KW Elec. Water Heater

KW Elec. Dryer/Receptacle

KW Dishwasher

HP Garbage Disposal

KW Central A/C Unit

HP/KW Space Heater/Air Handler

KW Baseboard Heat

HP Motors 1/+ HP

KW Transformer/Generator

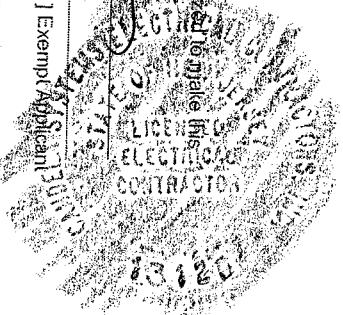
AMP Service

AMP Subpanels

AMP Motor Control Center

KW Elec. Sign/Outline Light

Date Received
Control #
Date Issued
Permit #



Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

TOTAL FEE \$ _____

LED Module Details

LED = Philips LUXEON R. CRI= 70 Min, 75 Typical. CCT = ANSI 4000K (3985K +/- 275K)

System (LED + driver) rated life = 100,000 hrs¹

Lamp	Typical Delivered Lumens	Typical Lamp Wattage (W)	Typical System Wattage (W) ²	Typical System Current (A) @					Lamp Current (mA)	HPS ³ Equivalent	Luminaire Efficacy Rating (lm/W)	BUG Rating
				120V	240V	277V	347V	480V				
30W 16LED4K-R-LE2	3075	30	35	0.29	0.17	0.12	0.1	0.07	700	70W	87	B1 U0 G1
30W 16LED4K-R-LE3	3295	30	35	0.29	0.17	0.12	0.1	0.07	700	70W	92	B1 U0 G1
30W 16LED4K-R-LE5	3145	30	35	0.29	0.17	0.12	0.1	0.07	700	70W	88	B2 U0 G1
60W 32LED4K-R-LE2	6619	60	70	0.57	0.33	0.25	0.2	0.14	700	100W	94	B2 U0 G1
60W 32LED4K-R-LE3	6924	60	70	0.57	0.33	0.25	0.2	0.14	700	100W	97	B2 U0 G2
60W 32LED4K-R-LE5	6280	60	70	0.57	0.33	0.25	0.2	0.14	700	100W	89	B3 U0 G1
90W 48LED4K-R-LE2	9854	90	105	0.86	0.5	0.43	0.3	0.22	700	150W	95	B2 U0 G2
90W 48LED4K-R-LE3	10113	90	105	0.86	0.5	0.43	0.3	0.22	700	150W	98	B2 U0 G2
90W 48LED4K-R-LE5	9868	90	105	0.86	0.5	0.43	0.3	0.22	700	150W	95	B4 U0 G4
90W 48LED4K-R-LE2-HS ⁴	7793	90	105	0.86	0.5	0.43	0.3	0.22	700	150W	75	B1 U0 G2
90W 48LED4K-R-LE3-HS ⁴	7866	90	105	0.86	0.5	0.43	0.3	0.22	700	150W	76	B1 U0 G2

¹ L70 = 100,000+ hrs (at ambient temperature = 25°C and forward current = 700 mA).

² System wattage includes the lamp and the LED driver.

³ Equivalence should always be confirmed by a photometric layout

⁴ HS is shown as an example. HS is also available with all other lamps except for type V distribution.

Note: Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of Philips.

Housing:

Made of low copper die cast A360 Aluminum alloy 0.100" (2.5mm) minimum thickness. Fits on a 1.66" (42mm) O.D. (1.25" NPS), 1.9" (48mm) O.D. (1.5" NPS) or 2 3/8" (60mm) O.D. (2" NPS) by 4 1/4" (108mm) minimum long tenon. Comes with a zinc plated clamp fixed by 2 zinc plated hexagonal bolts 3/8 16 UNC for ease of installation. Provide an easy step adjustment of +/- 5° tilt in 2.5° increment. A quick release tool less entry hinged removable door opens downward to provide access to electronic components and to a terminal block. Door is secured to prevent accidental dropping or disengagement. A clearance of 8" (203mm) at the rear is required in order to remove the door. ANSI Pattern Indicator label to identify wattage and source included in box. The rear is required in order to remove the door.

Light Engine:

Composed of 4 main components: LED lamp / Optical System / Heat Sink / Driver

Electrical components are RoHS compliant, IP66 sealed light engine equipped with Philips Lumileds Luxeon R LEDs.

LEDs tested by ISO 17025 2005 accredited lab in accordance with IESNA LM 80 guidelines in compliance with EPA ENERGY STAR, extrapolations in accordance with IESNA TM 21. Metal core board ensures greater heat transfer and longer lifespan.

Lamp:

(Included), Lamp type Philips Lumileds Luxeon R. Color temperature as per ANSI bin 4000 Kelvin nominal (3985K +/- 275K), CRI 70 Min. 75 Typical.

Optical System:

Composed of high performance optical grade PMMA acrylic refractors lenses to achieve desired distribution optimized to get maximum spacing, target lumen and a superior lighting uniformity. System is rated IP66. Performance shall be tested per LM63 and LM79 and TM15 (IESNA) certifying its photometric performance. Dark Sky compliant with 0% uplight and U0 per IESNA TM15.

LE2 TYPE II Asymmetrical Distribution

LE3 TYPE III Asymmetrical Distribution

LE5 TYPE V Symmetrical (square)

Heat Sink:

Built in the housing, the innovative high efficacy heat sink chimney design ensures superior cooling by natural convection air flow pattern always close to LEDs and driver optimising their efficiency and life. Product does not use any cooling device with moving parts (only passive cooling). Wide channels enable natural cleaning and removal of dirt and debris.

Entire luminaire is rated for operation in ambient temperature of -40°C / -40°F up to +40°C / +104°F.

Driver

High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 and 347 to 480 VAC rated for both application line to line or line to neutral, Class I, THD of 20% max.

Maximum ambient operating temperature from 40°F (40°C) to 130°F(55°C) degrees. Certified in compliance to UL8750 cULus requirement.

The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min).

Integrated Features

RC

Receptacle for a twist-lock photocell or shorting cap

DGM

Dimmable driver 0-10V

Please note that these integrated features always come with StreetView luminaire.

Driver and Luminaire Options

SPI

Surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with DOE MSSLC Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High test level 10kV/10kA.

CLO

Pre-set driver to manage the lumen depreciation by adjusting the power given to the LEDs offering the same lighting intensity during the entire lifespan of the lamp.

