

BLOCK 701 LOT 7 QUALIFICATION CODE _____ ADDRESS (SITE) _____



CONSTRUCTION PERMIT APPLICATION

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

C17-004371

I. IDENTIFICATION

1. Proposed Work Site at: 744 NJ Highway 70W Bricktown NJ

2. Name of Owner in Fee: Urban Edge Properties
Tel. (201) 571-3500 e-mail rreal@uedge.com
Address 210 Route 4 East Paramus 07652
street municipality zip code

3. Ownership in Fee: Public ☐ Private ☐

4. Principal Contractor: Starlite Electric, LLC Tel. (732) 495-7600
Address 260 Main Street, Suite 1 e-mail dennis@starliteelectricllc.com
Keansburg, NJ 07734

License No. OR, if new home, Builder Reg. No. 10606 Exp. Date 03/31/2018

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. 341998379 FAX: (732) 495-7688

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

6. Responsible Person in Charge once Work has Begun Carlos Ojalora
Tel. (732) 495-7600 FAX: (732) 495-7688

V. FEE SUMMARY (for office use)

1. Building
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
11. Cert. of Occupancy
12. Other CP
13. TOTAL

VI. BUILDING/SITE CHARACTER

1. Number of Stories _____
2. Height of Structure _____
3. Area — Largest Floor _____
4. New Building Area _____
5. Volume of New Structure _____
6. Max. Live Load _____
7. Max. Occupancy Load _____
8. If Industrialized Building: Sta
9. Total Land Area Disturbed _____
10. Flood Hazard Zone _____
11. Base Flood Elevation _____
12. Wetlands yes ☐ no ☒

IIa. PROPOSED WORK

- ☒ Minor Work Site Lighting ☐ New Building ☐ Addition ☐ Demolition
- ☐ Repair ☐ Alteration ☐ Renovation ☐ Reconstruction
- ☐ Asbestos Abat. - Surch. 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
21,000	<u>VP</u>	<u>9/28/17</u>		<u>11/22/17</u>	<u>PJE</u>			
	<u>Eng</u>	<u>10/1/17</u>	<u>10/1/17</u>	<u>11/2/17</u>	<u>MRJ</u>			

TOTAL COST \$21,000

III. PLAN REVIEW (optional)

DO YOU WANT:

1. ☐ Partial Releases
2. ☐ Prototype Processing

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

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 C
9. ☐ Undergrou
10. ☐ Swimming
11. ☐ LP Gas Ta



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 12/29/2017
Control Number C-17-004371
Permit Number 17-3877
Permit Issue Date 11/28/2017
Certificate Number 17-3877

Certificate

Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 744 ROUTE 70 Brick Township, NJ Block: 701 Lot: 7 Qual: _____
Owner in Fee: BRICKTOWN UE LLC
Owner Address: 210 ROUTE 4 EAST PARAMUS NJ 07652
Telephone: (201) 571-3500
Contractor: STARLITE ELECTRIC
Address: 260 MAIN STREET KEANSBURG NJ
Telephone: (732) 495-7600 Fax: (732) 495-7688
License Number or Builders Registration Number: 10606 Federal Emp. Number: 34-199-8379

Home Warranty Number: _____

Type of Warranty Plan: ☐ State ☐ Private

Use Group: U Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: SITE LIGHTING ...REPLACE FIXTURES TO LED

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 NJAC5:17 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:

Construction Official

Date Printed: 12/29/2017

U.C.C. F260 (rev. 08/05)

Fee: \$0.00

Check Number: _____

Collected By: _____

Page 1

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 Revenue

ENGINEERING PERMIT APPLICATION

BLOCK: 701 LOT: 7 ADDRESS: 744 NJ Highway 70W Bruck

RECEIVING CLERK: KSS

PERMIT #: 9W-17-00400

IDENTIFICATION:

1. WORK SITE ADDRESS: 744 NJ Highway 70W Bruck
2. NAME OF OWNER IN FEE: Urban Edge Properties
ADDRESS: 210 Route 4 East PHONE #: (201) 571-3500
Paramus NJ 07652 FAX #: ()
3. PRINCIPAL CONTRACTOR: Starlite Electric
ADDRESS: 260 Main St. PHONE #: (732) 495-7600
Keansburg NJ FAX #: (732) 495-7688
4. ARCHITECT OR ENGINEER:
ADDRESS: _____ PHONE: # () _____
5. RESPONSIBLE PERSON FOR WORK: Carlos Otalora
ADDRESS: 260 Main St. Keansburg NJ
PHONE #: (732) 495-7600 FAX #: (732) 495-7688 E-MAIL: Coordinator@StarliteElectric.com

PROJECT DESCRIPTION: ☐ GRADING/CLEARING ☐ ROAD OPENING
☐ SOIL REMOVAL/FILL ☐ RETAINING WALL ☐ POOL
☐ BULKHEAD/DOCK ☐ DWELLING ☐ TREE REMOVAL

☒ OTHER Light Fixture Replacement, wire & poles
EXISTING TO REMAIN

LENGTH: _____ WIDTH: _____ HEIGHT: _____

FEE SUMMARY:

APPLICATION FEE: \$ 200
REVIEW FEE: \$ _____
INSPECTION FEE: \$ _____
OTHER: \$ _____
BOND(S): \$ _____
TOTAL: \$ 200

SPECIAL CONDITIONS:

OCEAN COUNTY SOILS: _____
DRAINAGE EASEMENTS: _____
UTILITY EASEMENTS: _____
CONSERVATION EASEMENTS: _____
FEMA REQUIREMENTS: _____

D.E.P. PERMITS: _____

BOARD APPROVAL: ☐ PB ☐ ZB

APPLICATION NUMBER: _____

APPROVED DATE: _____

ENGINEERING REVIEW:

DATE RECEIVED: 6/7/17

DATE REJECTED: WFSN

DATE APPROVED: WFSN

INITIALS: KSS



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 701 Lot 7 Qualification Code _____
Work Site Location 744 NJ Highway 70W Bricktown NJ

Owner in Fee: Urban Edge Properties

Tel. (201) 571-3500 e-mail treal@uedge.com

Address 210 Route 4 East Paramus 07652

Contractor: Starlite Electric, LLC Tel. (732) 495-7600

Address 260 Main Street, Suite 1 e-mail dennis@starliteelectricllc.co

Keansburg, NJ 07734

Contractor License No. 10606 Exp. Date 03/31/2018

Home Improvement Contractor Registration No. or Exemption Reason

Federal Emp. ID No. 341998379 FAX: (732) 495-7688

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed _____

☐ Pole/Pad # _____ ☐ Temporary ☐ Other _____

Building Occupied as Shopping Mall Utility Co. _____

Est. Cost of Elec. Work \$ 21,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required

☐ Partial -Under-slab Utilities Approved

Date: _____ Approved by: _____

☒ Electric Plans Approved SP EES

Date: 11/22/17 Approved by: PSR

Joint Plan Review Required:

☐ Bldg. ☐ Plumb. ☐ Fire. ☐ Elev.

SUBCODE APPROVAL FOR PERMIT

Date: _____ Approved by: _____

Service Final Barrier-Free _____

Temp. Cut-in-Card Date Issued _____

Final Cut-in-Card Date Issued _____

Annual Pool Inspection _____

Date: _____ Date of Grounding and Bonding _____

Approved by: _____ Certification _____

C. CERTIFICATION IN LIEU OF OATH

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

Applicant sign/Contractor sign and seal here:

Print name here: Dennis Starlite

☒ Licensed Elec. Contractor ☐ Certified Journeyman Electrician ☐ Apprentice Electrician

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Replace HID Pole and Building Fixtures (LED)

QTY.	SIZE	ITEMS	FEES (Office Use Only)
5		Lighting Fixtures	
		Receptacles	
		Switches	
		Detectors	
		Light Poles	
		Motors—Fract. HP	
		Emergency & Exit Lights	
		Communications Points	
		Alarm Devices/F.A.C. Panel	

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____

COMMERCIAL

Date Received
Control #

11/28/17



ELECTRICAL SUBCODE



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

Block 287 Lot 287 Qualification Code 7
Work Site Location 744 NJ Highway 70W Bricktown NJ

Owner In Fee: Urban Edge Properties

Tel. (201) 571-3500 e-mail treall@uedge.com

Address 210 Route 4 East Paramus 07652

Contractor: Starlite Electric, LLC Tel. (732) 495-7600

Address 260 Main Street, Suite 1 e-mail dennis@starliteelectricllc.co

Keansburg, NJ 07734

Contractor License No. 10606 Exp. Date 03/31/2018

Home Improvement Contractor Registration No. or Exemption Reason

Federal Emp. ID No. 341998379 FAX: (732) 495-7688

B. ELECTRICAL CHARACTERISTICS

Use Group Present Proposed _____

☐ Pole/Pad # _____ ☐ Temporary ☐ Other _____

Building Occupied as Shopping Mall Utility Co. _____

Est. Cost of Elec. Work \$ 21,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required

☐ Partial -Underslab Utilities Approved

☒ Electric Plans Approved

Date: 11/24/17 Approved by: PSC

Joint Plan Review Required:

☐ Bldg. ☐ Plumb. ☐ Fire. ☐ Elev.

SUBCODE APPROVAL for PERMIT

Date: 11/24/17

Approved by: [Signature]

SUBCODE APPROVAL for CERTIFICATE

☐ CO ☐ CO

Date: 11/24/17

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 _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the agent/contractor who has been authorized to make this application and perform the work listed on this application.

Print name here:

Dennis Lucas

☒ Licensed Elec. Contractor ☐ Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: Replace HID Pole and Building Fixtures to LED

QTY. 5

SIZE _____

ITEMS Lighting Fixtures

BLDG.

FEE (Office Use Only)

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

Lgt. Pole/Fixture

732-267-6396

Administrative Surcharge \$

Minimum Fee \$

State Permit Surcharge Fee \$

TOTAL FEE \$

COMMERCIAL



CONSTRUCTION PERMIT

Date Issued
Control #
Permit #

11/28/17
C-17-004374

17-3877

IDENTIFICATION Block: 701 Lot: 7 Qualifier _____
Work Site Location: 744 ROUTE 70 Brick Township NJ Contractor: STARLITE ELECTRIC
Owner in Fee: BRICKTOWN UE LLC Address: 260 MAIN STREET SUITE 1 KEANSBURG NJ
210 ROUTE 4 EAST PARAMUS NJ 07652 Telephone: (732) 495-7600
Telephone: (201) 571-3500 Lic. No. or Bldrs. Reg. No. 10806 10606
Federal Employee No. 34-199-8379

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:

SITE LIGHTING...REPLACE FIXTURES TO LED

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 \$21,000

D. J. Murray Construction Official

Date 11/27/17

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	\$220
Plumbing	\$0
Fire Protection	\$0
Elevator Devices	\$0
Other	\$0.00
DCA Training Fee	\$40
CO Fee	
Other	\$200
Total	\$460
Check No.	<u>13981</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 back filling.
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 after 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 material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

11/28/17 10:07AM 0015584146
ELECTRIC \$220.00
EPA \$40.00
EPA \$200.00
TOTAL \$460.00

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 area 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.

OSQ Series

OSQ™ LED Area/Flood Luminaire – Large

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. The 'T' input power designator is a suitable upgrade for HID applications up to 750 Watts, and the 'U' input power designator is a suitable upgrade for HID applications up to 1000 Watts.

Applications: Parking lots, walkways, campuses, auto dealerships, office complexes, and internal roadways

Performance Summary

NanoOptic® Precision Delivery Grid™ optic

Assembled in the U.S.A. of U.S. and imported parts

Initial Delivered Lumens: Up to 27,103

Efficacy: Up to 139 LPW

CRI: Minimum 70 CRI (4000K & 5700K; 3000K asymmetric optics); 80 CRI (3000K symmetric optics)

CCT: 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

* See <http://lighting.cree.com/warranty> for warranty terms

Accessories

Field-Installed	
Backlight Shield OSQ-BLSLF - Front facing optics OSQ-BLSLR - Rotated optics	Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-AASV + **Luminaire:** OSQ-A-NM-2ME-T-40K-UL-SV

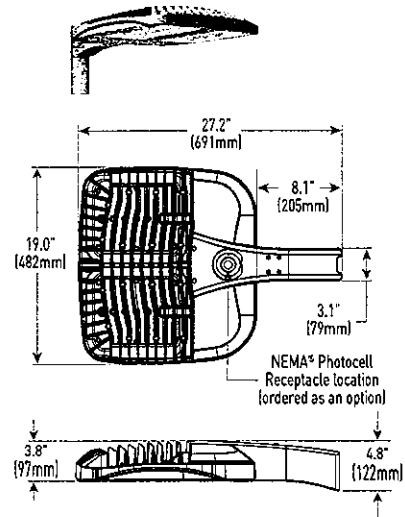
Mount (Luminaire must be ordered separately)*			
OSQ-			
OSQ-AA Adjustable Arm	Color Options:	SV Silver	BZ Bronze
OSQ-DA Direct Arm		BK Black	WH White

* Reference EPA and pole configuration suitability data beginning on page 7

Luminaire (Mount must be ordered separately)									
OSQ	A	NM							
Product	Version	Mounting	Optic	Input Power Designator	CCT	Voltage	Color Options	Options	
OSQ	A	NM No Mount	Asymmetric	T	30K	UL	BK	DIM 0-10V Dimming - Control by others - Refer to <u>Dimming spec sheet</u> for details - Can't exceed wattage of specified input power designator	PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to <u>PML spec sheet</u> for details - Available with UL voltage only - Intended for downlight applications at 0° tilt
			2ME* Type II Medium	166W	3000K	Universal 120-277V	Black		
			4ME* Type IV Medium	40K	4000K	UH	BZ		
			3ME* Type III Medium	215W	57K	Universal 347-480V	Bronze		
					5700K	SV	Silver		
						WH	White		

* Available with Backlight Shield when ordered with field-installed accessory (see table above)

DA Mount



Weight

28.5 lbs. (13kg)



Rev. Date: V12 09/06/2017



US: lighting.cree.com

T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada

T (800) 473-1234 F (800) 890-7507

OSQ™ LED Area/Flood Luminaire – Large

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adaptor is rugged die cast aluminum and mounts to 3-6" (76-152mm) square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) I.P. 2.375" (60mm) O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** 28.5 lbs. (13kg)

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **10V Source Current:** 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC and DLC Premium qualified versions available. Some exceptions apply. Please refer to <https://www.designlights.org/search/> for most current information
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT. Please refer to <http://darksky.org/fsa/fsa-products/> for most current information

Electrical Data*							
Input Power Designator	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
T	166	1.41	0.83	0.72	0.62	0.49	0.35
U	215	1.83	1.08	0.93	0.81	0.62	0.45

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/-10%

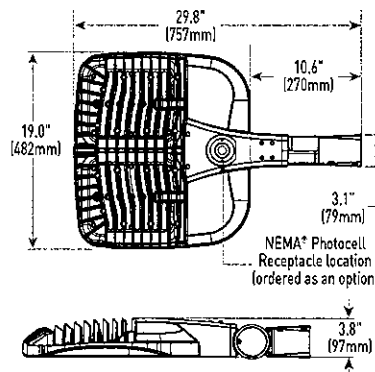
Recommended OSQ Series Lumen Maintenance Factors (LMF) ¹						
Ambient	Optic	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Projected ² /Calculated ³ LMF	100K hr Calculated ³ LMF
5°C (41°F)	Asymmetric	1.04	1.00	0.95	0.91 ³	0.87
	Symmetric	1.05	1.04	1.04	1.04 ²	1.04
10°C (50°F)	Asymmetric	1.03	0.99	0.94	0.90 ³	0.86
	Symmetric	1.04	1.03	1.03	1.03 ²	1.03
15°C (59°F)	Asymmetric	1.02	0.98	0.93	0.89 ³	0.86
	Symmetric	1.02	1.02	1.02	1.02 ²	1.02
20°C (68°F)	Asymmetric	1.01	0.97	0.93	0.89 ³	0.85
	Symmetric	1.01	1.00	1.00	1.00 ²	1.00
25°C (77°F)	Asymmetric	1.00	0.96	0.92	0.88 ³	0.84
	Symmetric	1.00	0.99	0.99	0.99 ²	0.99

¹ Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing

² In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

AA Mount



Weight

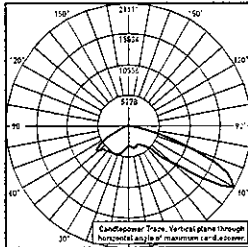
28.5 lbs. (13kg)

OSQ™ LED Area/Flood Luminaire – Large

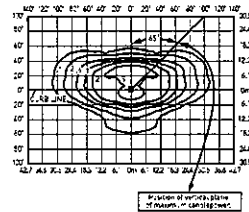
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

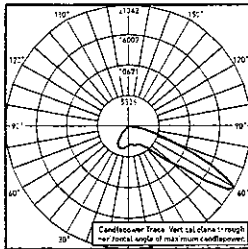
2ME



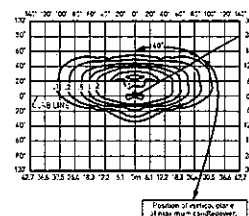
CESTL Test Report #: PL07701-001A
OSQ-A-**-2ME-U-40K-UL
Initial Delivered Lumens: 26,946



OSQ-A-**-2ME-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,583
Initial FC at grade

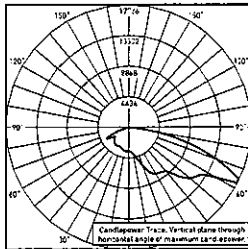


CESTL Test Report #: PL07700-001A
OSQ-A-**-2ME-U-57K-UL w/OSQ-BLSLF
Initial Delivered Lumens: 22,822

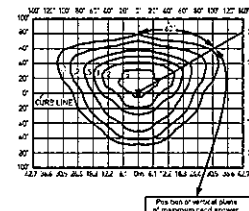


OSQ-A-**-2ME-U-40K-UL w/OSQ-BLSLF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,427
Initial FC at grade

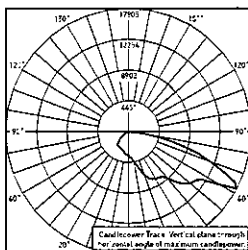
3ME



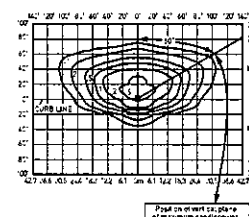
CESTL Test Report #: PL07698-001A
OSQ-A-**-3ME-U-40K-UL
Initial Delivered Lumens: 27,305



OSQ-A-**-3ME-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,583
Initial FC at grade



CESTL Test Report #: PL07699-001A
OSQ-A-**-3ME-U-57K-UL w/OSQ-BLSLF
Initial Delivered Lumens: 23,601



OSQ-A-**-3ME-U-40K-UL w/OSQ-BLSLF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,986
Initial FC at grade

Type II Medium Distribution

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
T	20,688	B3 U0 G3	21,902	B3 U0 G3	22,330	B3 U0 G3
U	25,246	B3 U0 G3	26,583	B3 U0 G3	27,103	B3 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Type II Medium w/BLS Distribution

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
T	15,897	B2 U0 G2	16,830	B3 U0 G2	17,159	B3 U0 G2
U	19,400	B3 U0 G2	20,427	B3 U0 G2	20,826	B3 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Type III Medium Distribution

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
T	20,688	B3 U0 G3	21,902	B3 U0 G3	22,330	B3 U0 G3
U	25,246	B3 U0 G3	26,583	B3 U0 G3	27,103	B3 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Type III Medium w/BLS Distribution

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
T	16,333	B2 U0 G2	17,291	B2 U0 G2	17,629	B2 U0 G3
U	19,931	B2 U0 G3	20,986	B2 U0 G3	21,397	B2 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

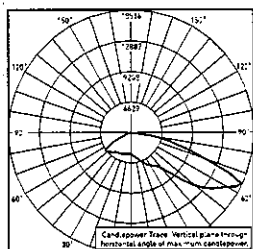
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

OSQ™ LED Area/Flood Luminaire – Large

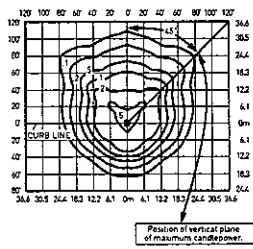
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

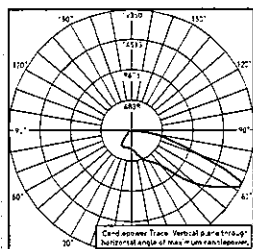
4ME



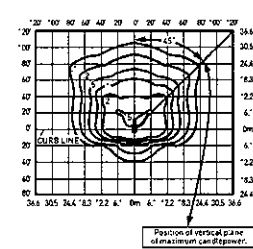
CESTL Test Report #: PL07690-001A
OSQ-A-**-4ME-U-40K-UL
Initial Delivered Lumens: 27,527



OSQ-A-**-4ME-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,583
Initial FC at grade

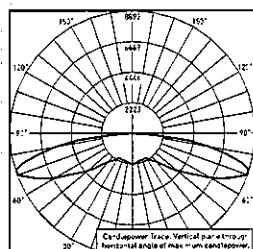


CESTL Test Report #: PL07692-001A
OSQ-A-**-4ME-U-57K-UL w/OSQ-BLSLF
Initial Delivered Lumens: 22,793

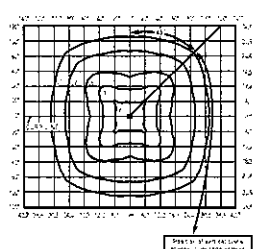


OSQ-A-**-4ME-U-40K-UL w/OSQ-BLSLF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,427
Initial FC at grade

5ME

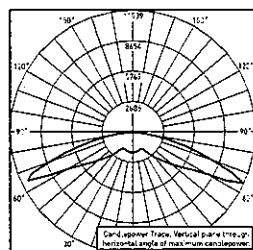


CESTL Test Report #: PL07882-001A
OSQ-A-**-5ME-U-30K-UL
Initial Delivered Lumens: 21,410

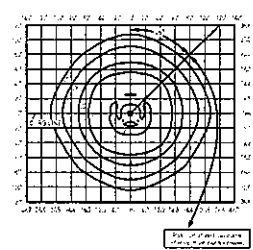


OSQ-A-**-5ME-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,666
Initial FC at grade

5SH



CESTL Test Report #: PL0754-001A
OSQ-A-**-5SH-U-40K-UL
Initial Delivered Lumens: 25,679



OSQ-A-**-5SH-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,051
Initial FC at grade

Type IV Medium Distribution

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
T	20,688	B3 U0 G3	21,902	B3 U0 G3	22,330	B3 U0 G3
U	25,246	B4 U0 G3	26,583	B4 U0 G3	27,103	B4 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Type IV Medium w/BLS Distribution

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
T	15,897	B2 U0 G3	16,830	B2 U0 G3	17,159	B2 U0 G3
U	19,400	B3 U0 G3	20,427	B3 U0 G3	20,826	B3 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Type V Medium Distribution

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
T	18,544	B4 U0 G5	21,469	B5 U0 G5	21,842	B5 U0 G5
U	21,305	B5 U0 G5	24,666	B5 U0 G5	25,095	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Type V Short Distribution

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
T	19,586	B5 U0 G3	22,675	B5 U0 G3	23,069	B5 U0 G3
U	22,502	B5 U0 G3	26,051	B5 U0 G3	26,504	B5 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

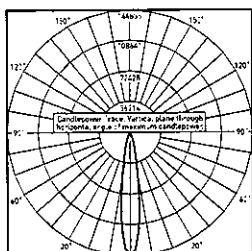


OSQ™ LED Area/Flood Luminaire – Large

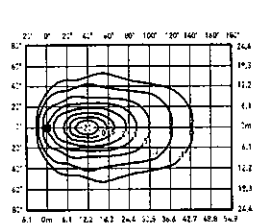
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

15D



CESTL Test Report #: PL07689-001A
OSQ-A-**-15D-U-30K-UL
Initial Delivered Lumens: 23,254

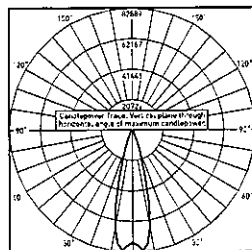


OSQ-A-**-15D-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

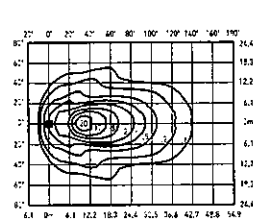
15° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	19,586	22,675	23,069
U	22,502	26,051	26,504

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

25D



CESTL Test Report #: PL07689-001A
OSQ-A-**-25D-U-30K-UL
Initial Delivered Lumens: 23,265

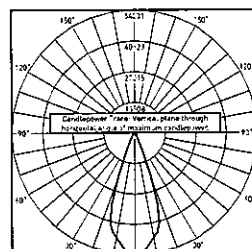


OSQ-A-**-25D-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

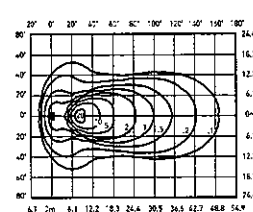
25° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	19,586	22,675	23,069
U	22,502	26,051	26,504

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

40D



CESTL Test Report #: PL07697-001A
OSQ-A-**-40D-U-30K-UL
Initial Delivered Lumens: 22,943



OSQ-A-**-40D-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

40° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	19,586	22,675	23,069
U	22,502	26,051	26,504

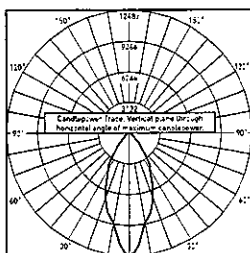
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

OSQ™ LED Area/Flood Luminaire – Large

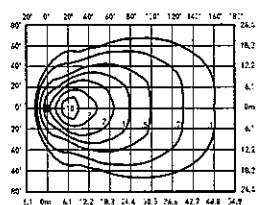
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

60D



CESTL Test Report #: PL08100-001B
OSQ-A-**-60D-B-30K-UL
Initial Delivered Lumens: 10,079



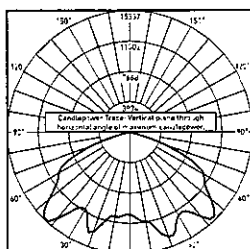
OSQ-A-**-60D-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

60° Flood Distribution

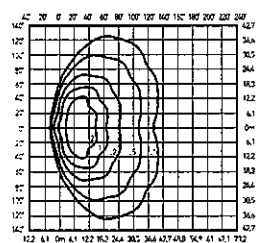
	3000K	4000K	5700K
Input Power Designator	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	19,586	22,675	23,069
U	22,502	26,051	26,504

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

WSN



CESTL Test Report #: PL07695-001A
OSQ-A-**-WSN-U-40K-UL
Initial Delivered Lumens: 23,116



OSQ-A-**-WSN-U-40K-UL
Mounting Height: 25' (7.6m) A.F.G., 60° tilt
Initial Delivered Lumens: 26,051
Initial FC at grade

Wide Sign Distribution

	3000K	4000K	5700K
Input Power Designator	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
T	19,586	22,675	23,069
U	22,502	26,051	26,504

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

OSQ™ LED Area/Flood Luminaire – Large

Luminaire EPA

Fixed Arm Mount – OSQ-DA Weight: 28.5 lbs. (13kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
					
0.80	1.61	1.26	2.06	1.68	2.52

Adjustable Arm Mount – OSQ-AA Weight: 28.5 lbs. (13kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Tenon Configuration (0°–80° Tilt); If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*; PD-2A4(90); PT-2(90)	PB-3A*; PD-3A4(90); PT-3(90)	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
0° Tilt							
0.80	1.61	1.26	2.06	1.68	3.33	4.66	2.52
10° Tilt							
0.81	1.61	1.62	2.42	2.32	4.40	6.08	3.24
20° Tilt							
1.24	1.61	2.04	2.84	3.13	5.68	7.80	4.08
30° Tilt							
1.64	1.64	2.44	3.24	3.97	6.88	9.40	4.88
45° Tilt							
2.20	2.20	3.00	3.80	5.07	8.55	11.64	6.00
60° Tilt							
2.63	2.63	3.43	4.23	5.73	9.84	13.36	6.86
70° Tilt							
2.82	2.82	3.62	4.42	5.73	10.41	14.12	7.24
80° Tilt							
2.93	2.93	3.73	4.53	5.73	10.74	14.56	7.46
Tenon Configuration (90° Tilt); If used with Cree tenons, please add tenon EPA with Luminaire EPA							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-3A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
90° Tilt							
2.95	2.95	4.84	6.52	5.73	10.81	14.64	11.19

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

OSQ™ LED Area/Flood Luminaire – Large

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets* (must specify color)

Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles		Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons	
PB-1A* – Single	PB-4A*(90) – 90° Quad	PB-2R2.375 – Twin	PB-4R2.375 – Quad
PB-2A* – 180° Twin	PB-4A*(180) – 180° Quad	PB-3R2.375 – Triple	
PB-3A* – 180° Triple			
Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles		Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons	
PD-2A4(90) – 90° Twin	PD-3A4(90) – 90° Triple	- Mounts to square pole with PB-1A* tenon	
PD-2A4(180) – 180° Twin	PD-4A4(90) – 90° Quad	PT-1 – Single (Vertical)	PT-3(90) – 90° Triple
		PT-2(90) – 90° Twin	PT-4(90) – 90° Quad
		PT-2(180) – 180° Twin	
Wall Mount Brackets - Mounts to wall or roof		Mid-Pole Bracket - Mounts to square pole	
WM-2 – Horizontal for OSQ-AA mount		PW-1A3** – Single	PW-2A3** – Double
WM-4 – L-Shape for OSQ-AA mount			
WM-DM – Plate for OSQ-DA mount			
		Ground Mount Post - For ground mounted flood luminaires PGM-1 – for OSQ-AA mount	

* Refer to the **Bracket and Tenons spec sheet** for more details

Direct Mount Configurations

Compatibility with OSQ-DA Direct Mount Bracket					
Input Power Designator	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
T & U	N/A	✓	N/A	N/A	N/A
3" Round					
T & U	N/A	✓	N/A	N/A	N/A
4" Square					
T & U	✓	✓	✓	N/A	✓
4" Round					
T & U	✓	✓	✓	✓	✓
5" Square					
T & U	✓	✓	✓	N/A	✓
5" Round					
T & U	✓	✓	✓	✓	✓
6" Square					
T & U	✓	✓	✓	N/A	✓
6" Round					
T & U	✓	✓	✓	✓	✓

© 2017 Cree, Inc. and/or one of its subsidiaries. All rights reserved. For informational purposes only. Content is subject to change.
 Patent www.cree.com/patents. Cree®, NanoOptic®, and Colorfast DeltaGuard® are registered trademarks, and the Cree logo, Precision Delivery Grid™ and OSQ™ are trademarks of Cree, Inc. The UL logo is a registered trademark of UL LLC. NEMA® is a registered trademark of the National Electrical Manufacturers Association. The DLC QPL logo is a registered trademark, and the DLC QPL Premium logo is a trademark of Northeast Energy Efficiency Partnerships, Inc.

US: lighting.cree.com

T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada



T (800) 473-1234 F (800) 890-7507

DESCRIPTION

The Night Falcon™ LED floodlight luminaire combines high-efficiency optics, superior thermal management and energy efficiency in a cost-effective solution. The compact, robust design incorporates a separate driver compartment for maximum heat dissipation to insure longevity of both the fixture and the LEDs. The Night Falcon luminaire uses precision engineered optics delivering superior uniformity and excellent illumination to the targeted application. Typical applications include area lighting for security, building facade lighting, accent and signage lighting in both commercial and industrial applications. The Night Falcon luminaire is UL/cUL listed for wet locations and is IP66 rated.

SPECIFICATION FEATURES

Construction

Heavy-duty, die cast aluminum housing, driver compartment and driver housing door. A separate driver compartment and external fins provide optimal thermal management that result in longer LED and driver life. The housing, driver compartment and optical chamber are IP66 rated. Access to the driver for maintenance is achieved with a removable driver door using pan head screws. A one-piece silicone gasket seals the door to the fixture housing. The fixture is 3G vibration rated (ANSI C136.31) to ensure durability in area and site lighting applications. Suitable for mounting within 4' (1.2m) of the ground.

Optics

The LED chamber incorporates a vacuum metalized reflector that provides high-efficiency illumination. Optics are precisely designed to shape the the NEMA 6H x 6V wide distribution and the 3H x 3V spot distribution, maximizing efficiency and application spacing. Clear glass tempered lens with full circumference form-in-place silicone gasket protects the optics from damage. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 5700K, 5000K and 3000K CCT and minimum 70 CRI are available.

Electrical

LED driver is mounted to the removable die-cast aluminum door for optimal heat sinking and ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. Integral 6kV surge is standard. 10kV/10kA common- and differential- mode surge protection available as an option. 0-10V dimming driver is available to accommodate controls capability such as dimming and occupancy. Standard NEMA 3-PIN twistlock photocontrol receptacle and NEMA 7-PIN twistlock photocontrol receptacles are available as options. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available. 92% lumen maintenance greater than 60,000 hours per IESNA TM-21 at 25°C.

Accessories

Heavy-duty steel top and side visors control glare and spill light. 1/8" thick UV stabilized vandal guard shields glass lens from impact when mounted at low levels. Easy to install wire guard features a heavy-gauge welded construction with corrosion resistant polyester powder coat finish to protect glass from projected objects.

Mounting

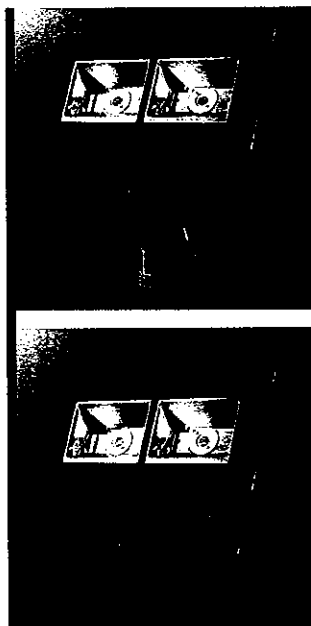
Mounting options include an integral die-cast aluminum slipfitter that is preset to a tilt of 45°. The knuckle base is supplied with a tooth lock adjustment that can be adjusted in 5° increments to provide flexibility in aiming the fixture from a variety of surfaces. Visual 15° adjustment indicators on the knuckle allow for 180° field rotation of the floodlight assembly. The slipfitter fits standard 2-3/8"-3" O.D. tenon. The trunnion mounting includes a 3/16" polyester powder coated galvanized steel trunnion with a 16/3 SOW cord. The trunnion mount uses an interlocking slide adjustment that is locked into place with a set screw.

Finish

Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is carbon bronze. Additional colors available in summit white, white, grey, bronze, black, dark platinum and graphite metallic. Consult your lighting representative at Eaton for a complete selection of standard colors.

Warranty

Five-year warranty.



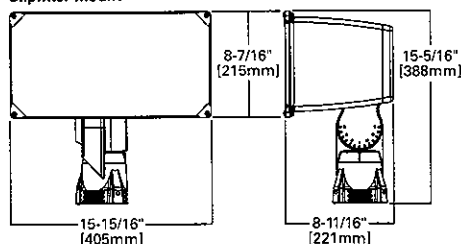
NFFLD NIGHT FALCON

Solid State LED

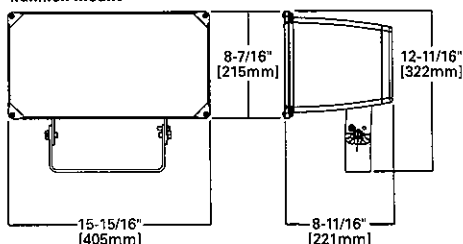
FLOODLIGHT

DIMENSIONS

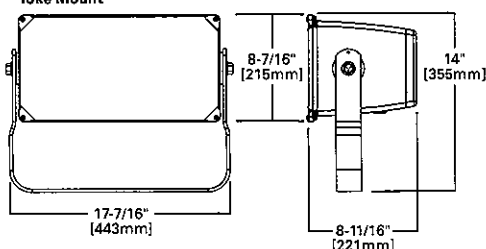
Slipfitter Mount



Trunnion Mount



Yoke Mount



CERTIFICATION DATA

UL/cUL Wet Location Listed
IP66 Fixture and Optical Chamber
LM79/LM80 Compliant
3G Vibration Rated
RoHS Compliant

ENERGY DATA

Electronic LED Driver
> 0.9 Power Factor
< 20% Total Harmonic Distortion
120V 50/60Hz, 347V/60Hz and 480V/60Hz
-40°C Minimum Ambient Temperature
Rating
+40°C Maximum Ambient Temperature
Rating

EPA

Effective Projected Area (Sq. Ft.): 1.25

SHIPPING DATA

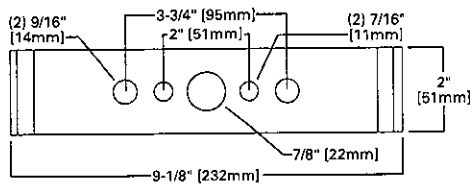
Approximate Net Weight:
20 lbs. (9.09 kgs.)



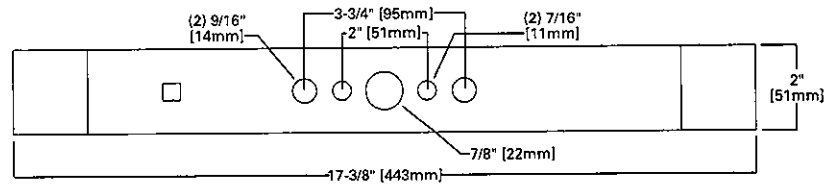
TD506007EN
2017-06-20 14:29:38

DRILLING PATTERNS

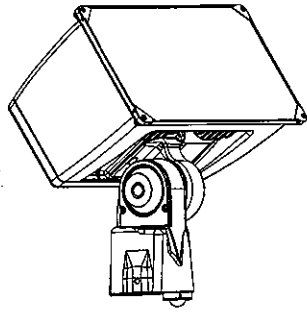
Trunnion Mount



Yoke Mount

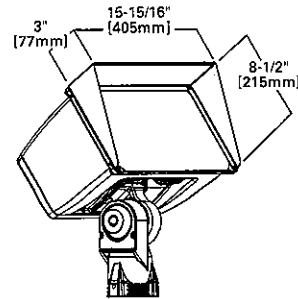


OPTIONAL INTEGRATED SENSOR

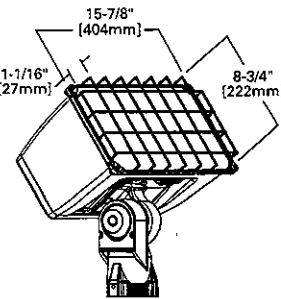


ACCESSORIES

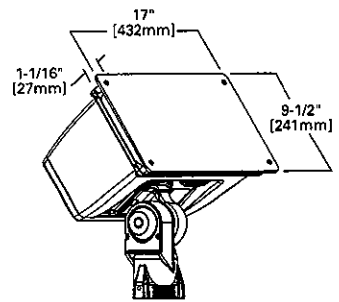
Top and Side Visors



Wire Guard



Vandal Shield



POWER AND LUMENS

	6x6				3x3			
C25 LED	NFFLD-C25	NFFLD-C25-7030	NFFLD-C25-7050	NFFLD-C25-7060	NFFLD-C25	NFFLD-C25-7030	NFFLD-C25-7050	NFFLD-C25-7060
Delivered Lumens	10,530	10,122	10,383	10,217	10,272	9,874	10,128	9,967
CCT (Kelvin)	4000K	3000K	5000K	5700K	4000K	3000K	5000K	5700K
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70
NEMA Distribution (H x V)	6 x 6 Wide	6 x 6 Wide	6 x 6 Wide	6 x 6 Wide	3 x 3 Wide	3 x 3 Wide	3 x 3 Wide	3 x 3 Wide
Power Consumption (Watts)	85W	85W	85W	85W	93W	93W	93W	93W
C40 LED	NFFLD-C40	NFFLD-C40-7030	NFFLD-C40-7050	NFFLD-C40-7060	NFFLD-C40	NFFLD-C40-7030	NFFLD-C40-7050	NFFLD-C40-7060
Delivered Lumens	16,932	16,268	16,686	16,421	14,113	13,567	13,916	13,694
CCT (Kelvin)	4000K	3000K	5000K	5700K	4000K	3000K	5000K	5700K
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70
NEMA Distribution (H x V)	6 x 6 Wide	6 x 6 Wide	6 x 6 Wide	6 x 6 Wide	3 x 3 Wide	3 x 3 Wide	3 x 3 Wide	3 x 3 Wide
Power Consumption (Watts)	128W	128W	128W	128W	143W	143W	143W	143W

CURRENT DRAW

Voltage (V)	Model Series			
	6x6		3x3	
	NFFLD-C25	NFFLD-C40	NFFLD-C25	NFFLD-C40
	Current (A)	Current (A)	Current (A)	Current (A)
120V	0.708	1.070	0.778	1.190
277V	0.340	0.465	0.340	0.531
347V	0.251	0.377	0.271	0.419
480V	0.195	0.273	0.207	0.320

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
NFFLD-C40-D-UNV-66 (6x6 Wide)		
25°C	> 92.61%	>393,000
40°C	>94.11%	>358,000
50°C	>93.45%	>320,000
NFFLD-C40-D-UNV-33 (3x3 Spot)		
25°C	>92.18%	>262,000
40°C	>91.81%	>249,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.03
15°C	1.02
25°C	1.00
40°C	0.97
50°C	0.96

ORDERING INFORMATION

Sample Number: NFFLD-C40-E-UNV-66-S-CB-PER

Product Family	Light Engine ¹	Driver ²	Voltage	Distribution	Mounting	Color
NFFLD=Night Falcon LED Floodlight	C25=10,500 Nominal Lumens C40=16,900 Nominal Lumens	E=Non-Dimming D=Dimming (0-10V)	UNV=120-277V 347=347V ³ 480=480V ³	66=NEMA 6H x 6V Wide 33=NEMA 3H x 3V Wide	S=Slipfitter ⁴ T=Trunnion Y=Yoke	CB=Carbon Bronze (Standard) BK=Black BZ=Bronze AP=Grey WH=White WHT=Summit White DP=Dark Platinum GM=Graphite Metallic
Options (Add as Suffix)				Accessories (Order Separately) ⁵		
7030=70 CRI / 3000K ⁵ 7050=70 CRI / 5000K ⁵ 7060=70 CRI / 5700K ⁵ PER=NEMA 3-PIN Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ⁶ 10K=10kV/10kA UL 1449 Surge Protective Device HA=50°C High Ambient Temperature D10=<10% Dimming ⁶ MSP/DIM-L12=Integrated Sensor for Dimming Operation, 8' - 12' Mounting Height ^{7,8} MSP/DIM-L30=Integrated Sensor for Dimming Operation, 12' - 30' Mounting Height ^{7,8} MSP-L12=Integrated Sensor for ON/OFF Operation, 8' - 12' Mounting Height ^{7,9} MSP-L30=Integrated Sensor for ON/OFF Operation, 12' - 30' Mounting Height ^{7,9}				FA63=3" O.D. Surface Mount Bracket ¹⁰ OA1223=10kV/10kA UL 1449 Surge Protective Device Replacement OA/RA1013=Photocontrol Shorting Cap OA/RA1014=NEMA Photocontrol - 120V OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V RAB-XX=Right Angle Pipe Bracket for Slipfitter SAB-XX=Steel Angle Bracket for Trunnion TYS-XX=Slipfitter Adapter for 2-3/8", 3" or 3-1/2" O.D. Tenon ¹¹ TS2/NFFLD-XX=Top and Side Visors ¹² VS/NFFLD=Vandal Shield ¹² WG/NFFLD=Wire Guard ¹² ISHH-01=Integrated Sensor Programming Remote		

NOTES:

- Standard 4000K CCT and minimum 70 CRI. Consult IES file for actual lumen output.
- Consult factory for driver surge protection values.
- Not recommended for use with ungrounded, delta configured systems.
- Fits 2-3/8" to 3" O.D. tenon, wire leads run through slipfitter.
- Extended lead times apply. Use dedicated IES files for 3000K and 5700K when performing layouts. These files are published on the Night Falcon luminaire product page on the website.
- Must order with dimming driver.
- 0-10V dimming driver required. Integrated sensor option only available in slipfitter mounting.
- Not available with Photocontrol.
- Replace XX with color designation. Additional brackets and adaptors available on the poles product page on the website.
- Not available with tenon mount.
- Not available with slipfitter mount.
- Cannot combine TS2 (Top and Side Visor), VS (Vandal Shield), or WG (Wire Guard), limited to one external guard per fixture.

STOCK ORDERING INFORMATION

Stock Sample Number: NFFLD-C40-S

Series	Light Engine	Mounting	Voltage
NFFLD=Night Falcon	C25=10,500 Nominal Lumens C40=16,900 Nominal Lumens	S=Slipfitter T=Trunnion	[BLANK]=120-277V 347=347V

NOTES: Options not available with stock products. Order accessories as separate items for field installation. Refer to standard ordering information to add options. Refer to In-Stock Guide for availability. Stock fixture is 4000K, non-dimming, 120-277V or 347V 6Hx6V, carbon bronze only.



D-Series Size 2 LED Wall Luminaire



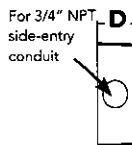
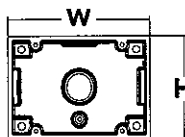
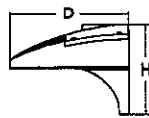
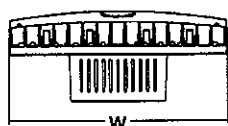
d²series

Specifications Luminaire

Width: 18-1/2" (47.0 cm)
Weight: 21 lbs (9.5 kg)
Depth: 10" (25.4 cm)
Height: 7-5/8" (19.4 cm)

Back Box (BBW)

Width: 5-1/2" (14.0 cm)
BBW Weight: 1 lbs (0.5 kg)
Depth: 1-1/2" (3.8 cm)
Height: 4" (10.2 cm)



Catalog
Number

Notes

Type

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM®2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)



A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSXW2 LED 30C 700 40K T3M MVOLT DDBTXD

DSXW2 LED

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options	
DSXW2 LED	20C 20 LEDs (two engines)	350 350 mA	30K 3000 K	T2S Type II Short	MVOLT ¹	Shipped included (blank) Surface mounting bracket	Shipped installed	
		530 530 mA	40K 4000 K	T2M Type II Medium	120 ¹		PE Photoelectric cell, button type ⁶	
		700 700 mA	50K 5000 K	T3S Type III Short	208 ¹		PER NEMA twist-lock receptacle only (no controls)	
	30C 30 LEDs (three engines)	1000 1000 mA (1 A)	AMBPC Amber phosphor converted	T3M Type III Medium	240 ¹	Shipped separately ¹ BBW Surface-mounted back box (for conduit entry)	DMG 0-10V dimming driver (no controls)	
				T4M Type IV Medium	277 ¹		DCR Dimmable and controllable via ROAM® (no controls)	
				TFTM Forward Throw Medium	347 ²		PIRH 180° motion/ambient light sensor, 15-30' mtg ht ⁶	
				ASYDF Asymmetric diffuse	480 ²		PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1ft ²	
							PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1ft ²	

Other Options	Finish (required)
Shipped installed SF Single fuse (120, 277, 347V) ⁸ DF Double fuse (208, 240, 480V) ⁸ HS House-side shield ³ SPD Separate surge protection ⁹	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone



One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com
© 2012-2017 Acuity Brands Lighting, Inc. All rights reserved.

DSXW2-LED
Rev. 02/08/17
Page 1 of 3

Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁰
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁰
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁰
DSH0RT SBKU	Shorting cap ¹¹
DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW2WG U	Wire guard accessory
DSXW2VG U	Vandal guard accessory
DSXW28BW	Back box accessory
DD8XU U	(specify finish)

For more control options, visit DTL and ROAM online.

NOTES

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocell (PE option).
- 2 Available with 30 LED/700mA options only (DSXW2 LED 30C 700). DMG option not available.
- 3 Also available as a separate accessory; see Accessories information.
- 4 Photocell (PE) requires 120, 208, 240 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- 5 Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347V, 480V or PIRH. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net.
- 6 Specifies the Sensor Switch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell) or DCR. Dimming driver standard.
- 7 PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- 8 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- 9 See the electrical section on page 2 for more details.
- 10 Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K					AMBER				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
(20 LEDs)	350 mA	25W	T2S	2,783	1	0	1	111	2,989	1	0	1	120	3,007	1	0	1	120	1,720	1	0	1	69
			T2M	2,708	1	0	1	108	2,908	1	0	1	116	2,926	1	0	1	117	1,673	1	0	1	67
			T3S	2,748	1	0	1	110	2,951	1	0	1	118	2,970	1	0	1	119	1,698	0	0	1	68
			T3M	2,793	1	0	1	112	2,999	1	0	1	120	3,018	1	0	1	121	1,726	1	0	1	69
			T4M	2,756	1	0	1	110	2,959	1	0	1	118	2,978	1	0	1	119	1,703	0	0	1	68
			TFIM	2,754	1	0	1	110	2,957	1	0	1	118	2,975	1	0	1	119	1,701	0	0	1	68
		36W	T2S	4,029	1	0	1	112	4,327	1	0	1	120	4,354	1	0	1	121	1,698	0	0	1	68
			T2M	3,920	1	0	1	109	4,210	1	0	1	117	4,236	1	0	1	118	1,726	1	0	1	69
			T3S	3,979	1	0	1	111	4,272	1	0	1	119	4,299	1	0	1	119	1,720	1	0	1	69
			T3M	4,044	1	0	1	112	4,342	1	0	2	121	4,369	1	0	2	121	1,701	0	0	1	68
	530 mA	36W	T4M	3,990	1	0	1	111	4,284	1	0	1	119	4,311	1	0	1	120	1,703	0	0	1	68
			TFIM	3,986	1	0	1	111	4,281	1	0	1	119	4,307	1	0	1	120	1,673	1	0	1	67
		47W	T2S	5,130	1	0	1	109	5,509	1	0	1	117	5,544	1	0	1	118	2,473	1	0	1	69
			T2M	4,991	1	0	1	106	5,360	1	0	1	114	5,393	1	0	2	115	2,406	1	0	1	67
			T3S	5,066	1	0	1	108	5,440	1	0	1	116	5,474	1	0	1	116	2,442	1	0	1	68
			T3M	5,148	1	0	2	110	5,528	1	0	2	118	5,563	1	0	2	118	2,482	1	0	1	69
	700 mA	47W	T4M	5,080	1	0	1	108	5,455	1	0	1	116	5,489	1	0	2	117	2,449	1	0	1	68
			TFIM	5,076	1	0	1	108	5,450	1	0	1	116	5,484	1	0	2	117	2,447	1	0	1	68
		74W	T2S	7,148	1	0	1	97	7,675	1	0	1	104	7,723	1	0	1	104	3,060	1	0	1	65
			T2M	6,954	1	0	2	94	7,467	1	0	2	101	7,514	2	0	2	102	2,977	1	0	1	63
			T3S	7,058	1	0	1	95	7,579	1	0	1	102	7,626	1	0	2	103	3,021	1	0	1	64
			T3M	7,173	1	0	2	97	7,702	1	0	2	104	7,750	1	0	2	105	3,070	1	0	1	65
	1000 mA	74W	T4M	7,077	1	0	2	96	7,599	1	0	2	103	7,647	1	0	2	103	3,029	1	0	1	64
			TFIM	7,071	1	0	2	96	7,593	1	0	2	103	7,641	1	0	2	103	3,027	1	0	1	64
		36W	T2S	4,160	1	0	1	116	4,467	1	0	1	124	4,495	1	0	1	125	2,573	1	0	1	103
			T2M	4,047	1	0	1	112	4,346	1	0	1	121	4,373	1	0	1	121	2,503	1	0	1	100
			T3S	4,107	1	0	1	114	4,411	1	0	1	123	4,438	1	0	1	123	2,541	1	0	1	102
			T3M	4,174	1	0	1	116	4,482	1	0	2	125	4,511	1	0	2	125	2,582	1	0	1	103
	530 mA	54W	T4M	4,119	1	0	1	114	4,423	1	0	1	123	4,450	1	0	1	124	2,547	1	0	1	102
			TFIM	4,115	1	0	1	114	4,419	1	0	1	123	4,447	1	0	1	124	2,545	1	0	1	102
		71W	T2S	6,001	1	0	1	111	6,444	1	0	1	119	6,485	1	0	1	120	2,573	1	0	1	71
			T2M	5,839	1	0	1	108	6,270	1	0	1	116	6,309	1	0	2	117	2,503	1	0	1	70
			T3S	5,926	1	0	1	110	6,363	1	0	1	118	6,403	1	0	1	119	2,541	1	0	1	71
			T3M	6,022	1	0	2	112	6,467	1	0	2	120	6,507	1	0	2	121	2,582	1	0	1	72
	700 mA	54W	T4M	5,942	1	0	1	110	6,381	1	0	2	118	6,420	1	0	2	119	2,547	1	0	1	71
			TFIM	5,937	1	0	1	110	6,375	1	0	2	118	6,415	1	0	2	119	2,545	1	0	1	71
		71W	T2S	7,609	1	0	1	107	8,170	1	0	1	115	8,221	2	0	2	116	3,696	1	0	1	68
			T2M	7,402	1	0	2	104	7,949	2	0	2	112	7,999	2	0	2	113	3,596	1	0	1	67
			T3S	7,513	1	0	1	106	8,068	1	0	2	114	8,118	1	0	2	114	3,649	1	0	1	68
			T3M	7,635	1	0	2	108	8,199	1	0	2	115	8,250	2	0	3	116	3,709	1	0	2	69
	1000 mA	71W	T4M	7,533	1	0	2	106	8,089	1	0	2	114	8,140	1	0	2	115	3,659	1	0	1	68
			TFIM	7,527	1	0	2	106	8,083	1	0	2	114	8,133	1	0	2	115	3,656	1	0	1	68
		109W	T2S	10,468	2	0	2	96	11,241	2	0	2	103	11,311	2	0	2	104	4,559	1	0	1	64
			T2M	10,184	2	0	2	93	10,936	2	0	2	100	11,004	2	0	2	101	4,436	1	0	2	62
			T3S	10,336	1	0	2	95	11,099	1	0	2	102	11,169	2	0	2	102	4,502	1	0	1	63
			T3M	10,505	2	0	3	96	11,280	2	0	3	103	11,351	2	0	3	104	4,575	1	0	2	64
	1000 mA	109W	T4M	10,364	1	0	2	95	11,129	1	0	2	102	11,199	2	0	2	103	4,514	1	0	2	64
			TFIM	10,356	1	0	2	95	11,120	2	0	2	102	11,190	2	0	2	103	4,510	1	0	1	64

Note:

Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.



One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com
© 2012-2017 Acuity Brands Lighting, Inc. All rights reserved.

DSXW2-LED
Rev. 02/08/17
Page 2 of 3

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.98

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120V	208V	240V	277V	347V	480V
20C	350	25 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	-	-
	1000	74 W	0.68	0.39	0.34	0.29	-	-
30C	350	36 W	0.33	0.19	0.17	0.14	-	-
	530	54 W	0.50	0.29	0.25	0.22	-	-
	700	71 W	0.66	0.38	0.33	0.28	0.23	0.16
	1000	109 W	1.01	0.58	0.50	0.44	-	-

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the DSXW2 LED 30C 1000 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

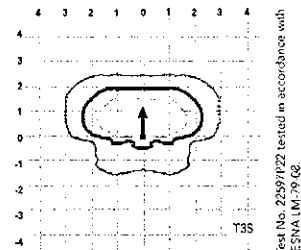
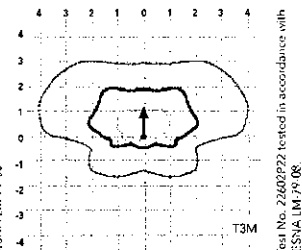
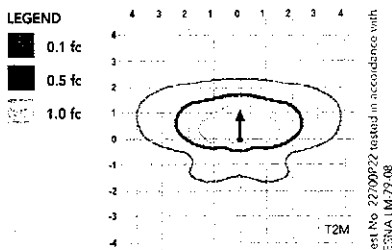
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.92	0.87

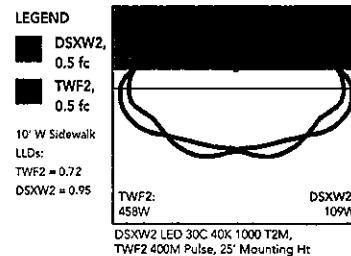
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Size 2 homepage.

Isofootcandle plots for the DSXW2 LED 30C 1000 40K. Distances are in units of mounting height (25').



Distribution overlay comparison to 400W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 2 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 high-efficiency LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L87/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



Kurt J. Otto

From: Real, Roger <RReal@Uedge.com>
Sent: Friday, November 17, 2017 12:30 PM
To: Kurt J. Otto
Cc: Kenneth Shafer; Marilyn Kaczka
Subject: Fwd: shop rite lighting plan review
Attachments: image002.png; ATT00001.htm; image003.png; ATT00002.htm; Urban Edge - Brick NJ (rev11-17-17).pdf; ATT00003.htm

Kurt,
Please see response below & advise.

Thanks
Roger

Sent from my iPhone

Begin forwarded message:

From: Adam Carrier <adam.carrier@villalighting.com>
Date: November 17, 2017 at 11:29:10 AM EST
To: Lucas Dewulf <lucas.dewulf@villalighting.com>
Cc: Corey Corcoran <CCorcoran@emcllc.com>, "Real, Roger" <RReal@Uedge.com>, Dan Ludwig <dan.ludwig@villalighting.com>
Subject: RE: shop rite lighting plan review



There is shielding on all fixtures w/label P1-4TH and P3-4TH – locations highlighted on attached drawing.

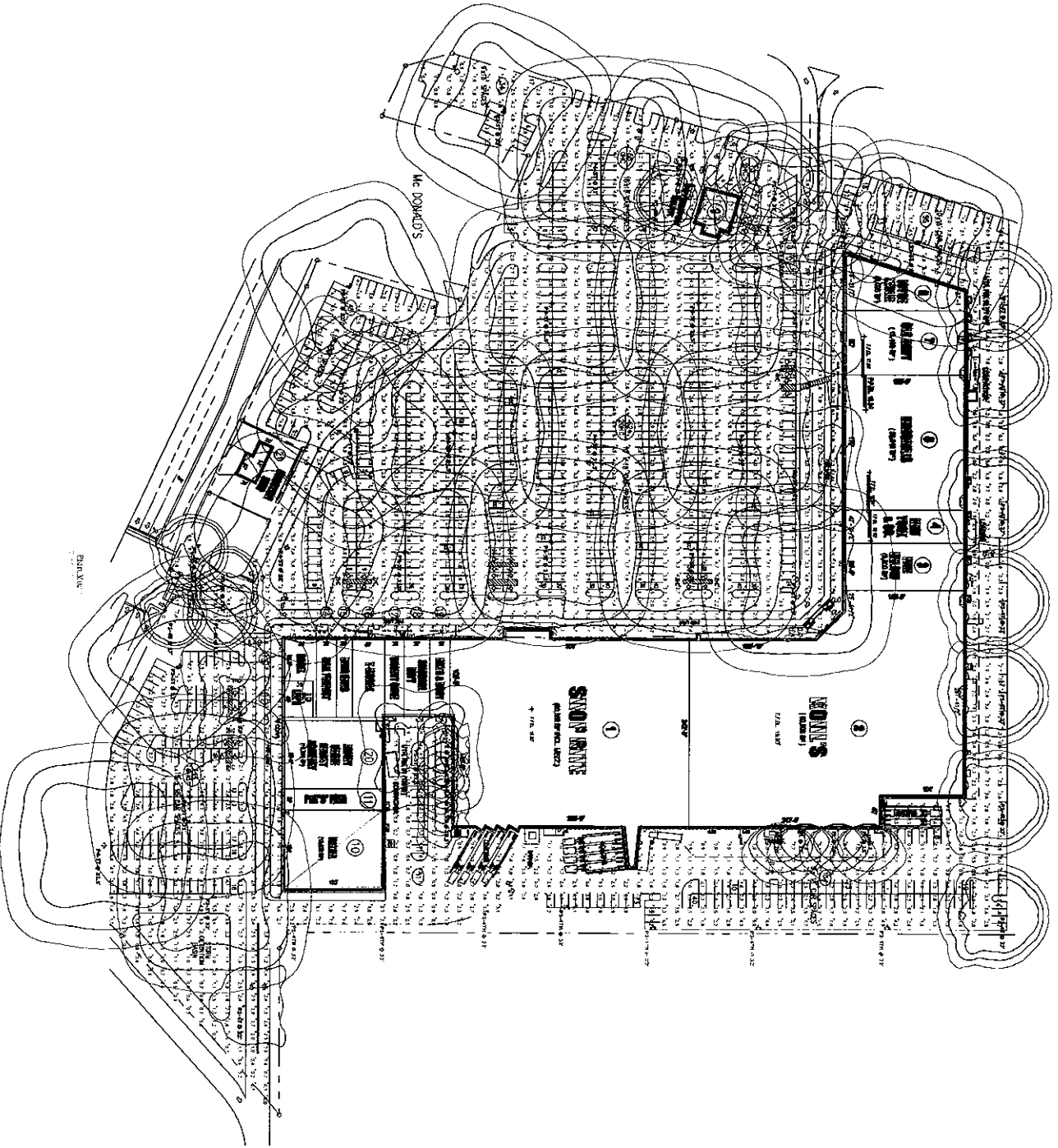
If additional fixture location need shielding let me know & we can modify accordingly.

Regards,

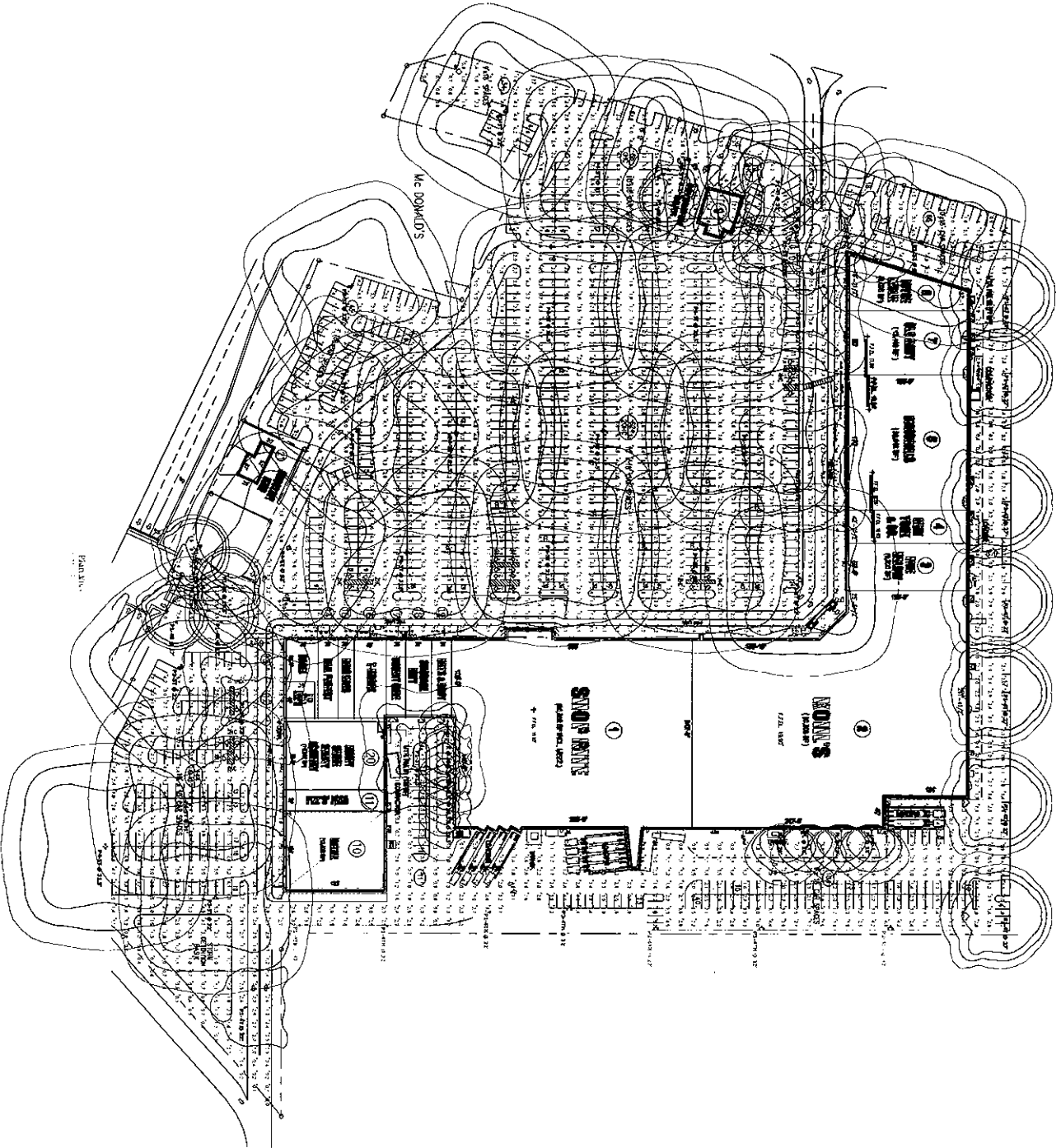
OK
KJS
11/21/17

Statistics	Symbol	Qty	Max	Min	Max/Min	Avg/Min
DESCRIPTION	SYMBOL	QTY	MAX	MIN	MAX/MIN	AVG/MIN
PI-4K	+	2.5K	10.8K	0.0K	N/A	N/A

Symbol	Label	Qty	Rating	Description	Notes
PI-4K	2	2	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	3	3	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	4	4	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	5	5	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	6	6	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	7	7	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	8	8	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	9	9	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	10	10	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	11	11	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	12	12	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	13	13	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	14	14	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	15	15	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	16	16	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	17	17	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	18	18	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	19	19	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	20	20	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	21	21	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	22	22	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	23	23	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	24	24	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	25	25	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	26	26	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	27	27	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	28	28	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	29	29	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	30	30	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	31	31	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	32	32	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	33	33	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	34	34	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	35	35	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	36	36	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	37	37	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	38	38	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	39	39	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	40	40	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	41	41	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	42	42	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	43	43	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	44	44	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	45	45	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	46	46	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	47	47	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	48	48	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	49	49	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	50	50	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	51	51	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	52	52	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	53	53	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	54	54	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K
PI-4K	55	55	2.5K	PI-4K-SH-4000K	PI-4K-SH-4000K



Statistics			
Description	Symbol	Qty	Notes
1. 100W	+	2.81C	10.8K 0.0K N/A
2. 100W	+	10.8K	0.0K N/A
Schedule			
Symbol	Label	Qty	Notes
1. 100W	+	2.81C	10.8K 0.0K N/A
2. 100W	+	10.8K	0.0K N/A
3. 100W	+	10.8K	0.0K N/A
4. 100W	+	10.8K	0.0K N/A
5. 100W	+	10.8K	0.0K N/A
6. 100W	+	10.8K	0.0K N/A
7. 100W	+	10.8K	0.0K N/A
8. 100W	+	10.8K	0.0K N/A
9. 100W	+	10.8K	0.0K N/A
10. 100W	+	10.8K	0.0K N/A
11. 100W	+	10.8K	0.0K N/A
12. 100W	+	10.8K	0.0K N/A
13. 100W	+	10.8K	0.0K N/A
14. 100W	+	10.8K	0.0K N/A
15. 100W	+	10.8K	0.0K N/A
16. 100W	+	10.8K	0.0K N/A
17. 100W	+	10.8K	0.0K N/A
18. 100W	+	10.8K	0.0K N/A
19. 100W	+	10.8K	0.0K N/A
20. 100W	+	10.8K	0.0K N/A
21. 100W	+	10.8K	0.0K N/A
22. 100W	+	10.8K	0.0K N/A
23. 100W	+	10.8K	0.0K N/A
24. 100W	+	10.8K	0.0K N/A
25. 100W	+	10.8K	0.0K N/A
26. 100W	+	10.8K	0.0K N/A
27. 100W	+	10.8K	0.0K N/A
28. 100W	+	10.8K	0.0K N/A
29. 100W	+	10.8K	0.0K N/A
30. 100W	+	10.8K	0.0K N/A
31. 100W	+	10.8K	0.0K N/A
32. 100W	+	10.8K	0.0K N/A
33. 100W	+	10.8K	0.0K N/A
34. 100W	+	10.8K	0.0K N/A
35. 100W	+	10.8K	0.0K N/A
36. 100W	+	10.8K	0.0K N/A
37. 100W	+	10.8K	0.0K N/A
38. 100W	+	10.8K	0.0K N/A
39. 100W	+	10.8K	0.0K N/A
40. 100W	+	10.8K	0.0K N/A
41. 100W	+	10.8K	0.0K N/A
42. 100W	+	10.8K	0.0K N/A
43. 100W	+	10.8K	0.0K N/A
44. 100W	+	10.8K	0.0K N/A
45. 100W	+	10.8K	0.0K N/A
46. 100W	+	10.8K	0.0K N/A
47. 100W	+	10.8K	0.0K N/A
48. 100W	+	10.8K	0.0K N/A
49. 100W	+	10.8K	0.0K N/A
50. 100W	+	10.8K	0.0K N/A
51. 100W	+	10.8K	0.0K N/A
52. 100W	+	10.8K	0.0K N/A
53. 100W	+	10.8K	0.0K N/A
54. 100W	+	10.8K	0.0K N/A
55. 100W	+	10.8K	0.0K N/A
56. 100W	+	10.8K	0.0K N/A
57. 100W	+	10.8K	0.0K N/A
58. 100W	+	10.8K	0.0K N/A
59. 100W	+	10.8K	0.0K N/A
60. 100W	+	10.8K	0.0K N/A
61. 100W	+	10.8K	0.0K N/A
62. 100W	+	10.8K	0.0K N/A
63. 100W	+	10.8K	0.0K N/A
64. 100W	+	10.8K	0.0K N/A
65. 100W	+	10.8K	0.0K N/A
66. 100W	+	10.8K	0.0K N/A
67. 100W	+	10.8K	0.0K N/A
68. 100W	+	10.8K	0.0K N/A
69. 100W	+	10.8K	0.0K N/A
70. 100W	+	10.8K	0.0K N/A
71. 100W	+	10.8K	0.0K N/A
72. 100W	+	10.8K	0.0K N/A
73. 100W	+	10.8K	0.0K N/A
74. 100W	+	10.8K	0.0K N/A
75. 100W	+	10.8K	0.0K N/A
76. 100W	+	10.8K	0.0K N/A
77. 100W	+	10.8K	0.0K N/A
78. 100W	+	10.8K	0.0K N/A
79. 100W	+	10.8K	0.0K N/A
80. 100W	+	10.8K	0.0K N/A
81. 100W	+	10.8K	0.0K N/A
82. 100W	+	10.8K	0.0K N/A
83. 100W	+	10.8K	0.0K N/A
84. 100W	+	10.8K	0.0K N/A
85. 100W	+	10.8K	0.0K N/A



October 10, 2017

Roger Real, Urban Edge

**Re: Shop Rite Lighting Permit Review
Block 701, Lot 7; 744 NJSH Route 70
Permit # REV-17-00400
Township of Brick, Ocean County**

Dear Mr. Real:

Upon review of the submitted rendering of new pole and wall mounted lighting for the Shop Rite center, located at 744 NJSH Route 70, we offer the following comments:

Lighting Plan Review Comments:

1. There are some discrepancies between the rendering and the proposed lighting spreadsheet. Please clarify the following:
 - a. PP40 is proposed to be a 3 way – **What we have proposed is correct and matches existing**
 - b. PP 18 is proposed to be a single – **What we have proposed is correct and matches existing**
 - c. PP17 will be provided with a shield to prevent spillage to residential – **We added this on the updated layout that is attached**
 - d. PP23 will be a 3 way – **We made this change**
 - e. There is a missing ex 4 way light on the rendering, located at end of parking row that includes PP19 – **This was included in our photometric layout**
 - f. PP49 is proposed to be a 3 way – **What we have proposed is correct and matches existing**
 - g. There appears to be a proposed missing double light at the entrance drive from NJSH Route 70 – **PP44 we replaced with a 2 head**
 - h. Confirm rear wall mounted flood lights will be provided with shielding and/or directed to not allow spillage/glare over the adjoining residential property line to the rear. A light detail was provided with permit package, but no note regarding shielding. – **We made this change.**

Roger Real, Urban Edge
Re: Shop Rite Plaza
Lighting Plan Review

October 10, 2017
Page 2

2. The plans do not provide details as to the fc that is noted by the two red circles for each light. Provide clarification.

Should you have any questions please contact this office. We reserve the right to future comments pending receipt of revised plans.

Very truly yours,

Kurt J. Otto, PE, CME, CFM
Assistant Township Engineer

cc: Elissa Commins, PE, Township Engineer
Kenneth Shafer, Township Inspector

~~August 12, 2017~~

10/10/17

Timothy Lurie, PE
DW Smith Associates
1450 State Route 34
Wall, New Jersey 07753

EMAIL TO:

R Real

& CARLOS

Re: Shop Rite Lighting Permit Review
Block 701, Lot 7; 744 NJSH Route 70
Permit # REV-17-00400
Township of Brick, Ocean County

EMailed to
R Real &
CARLOS ELECTRIC
10/31/17
See 11/21/17

Dear Mr. Lurie:

Upon review of the submitted rendering of new pole and wall mounted lighting for the Shop Rite center, located at 744 NJSH Route 70, we offer the following comments:

Lighting Plan Review Comments:

1. There are some discrepancies between the rendering and the proposed lighting spreadsheet. Please clarify the following:
 - a. PP40 is proposed to be a 3 way
 - b. PP 18 is proposed to be a single
 - c. PP17 will be provided with a shield to prevent spillage to residential
 - d. PP23 will be a 3 way
 - e. There is a missing ex 4 way light on the rendering, located at end of parking row that includes PP19
 - f. PP49 is proposed to be a 3 way
 - g. There appears to be a proposed missing double light at the entrance drive from NJSH Route 70
 - h. Confirm rear wall mounted flood lights will be provided with shielding and/or directed to not allow spillage/glare over the adjoining residential property line to the rear. A light detail was provided with permit package, but no note regarding shielding.
2. The plans do not provide details as to the fc that is noted by the two red circles for each light. Provide clarification.

Timothy Lurie
Re: Brick VA Clinic and Office
As-Built Plan Review #1

August 12, 2017
Page 2

3. .

Should you have any questions please contact this office. We reserve the right to future comments pending receipt of revised plans.

Very truly yours,

Kurt J. Otto, PE, CME, CFM
Assistant Township Engineer

cc: Elissa Commins, PE, Township Engineer
Kenneth Shafer, Township Inspector