

**TOWNSHIP OF RADNOR
DESIGN REVIEW BOARD**

TOWNSHIP USE ONLY	
APPLICATION NO: _____	
FEE PAID: _____	RECEIVED: _____

APPLICATION FORM

GENERAL INFORMATION: Meetings of the Design Review Board are held the **second Wednesday of each month at 6:00 P.M. in the Township Municipal Building. All applicants must attend this meeting.** Application must be filed with the Department of Community Development, along with all required information and appropriate fees, a minimum of **twenty-one (21)** calendar days prior to the meeting. **Incomplete or late applications will not be accepted.** Applicants are encouraged to obtain and review a copy of Ordinance No 91-14 (Sign Code) and/or Ordinance 91-32 (Design Review); available in the Department of Community Development.

Please refer to the Consolidated Fee Schedule, as amended, on our website at www.radnor.org for a copy of our current fees.

APPLICANT NAME: The Agnes Irwin School

PROPERTY ADDRESS: 275 South Ithan Avenue

IS THIS BUILDING STAND ALONE OR ATTACHED TO ANOTHER BUILDING?
Stand alone

MAILING ADDRESS: (if different than above): _____

TELEPHONE NO: (610)801 _____ - 1294 _____ Email: rmatus@agnesirwin.org

PROPERTY OWNER: The Agnes Irwin School

SIGN MANUFACTURER/ CONTRACTOR/ ARCHITECT:
Contractor- K&L Energy LLC Contractor License- Radnor 20003391

ADDRESS: PO Box 428, Bridgeport, pa. 19405

TELEPHONE: (215)589 _____ - 2413 _____

Please provide a detailed description of proposal:

Replacing all exterior sodium fixtures on the Upper/Middle School building with LED fixtures. Covert parking lights from sodium to LED lighting. Install one street pole with two LED lights attached at top, to be installed along walkway to Lower School and will be controlled by a light switch. Would only be used for events on the Lower School field. Shields will be installed on all wall mounted fixtures to direct light downward onto sidewalk.

Signs (check all that apply):

- | | | |
|--|-----------|-------|
| <input type="checkbox"/> Ground Sign | How many? | _____ |
| <input type="checkbox"/> Wall Sign | How many? | _____ |
| <input type="checkbox"/> Freestanding Sign | How many? | _____ |
| <input type="checkbox"/> Window Sign | How many? | _____ |
| <input type="checkbox"/> Awning | How many? | _____ |

Submission requirements (All of the following, that apply, MUST be submitted with application):

- Site plan drawn to scale - 6 copies (max. size 24" X 36")
- Colored rendering of sign (*drawn to scale & include material type*)- 6 copies
- Paint chip or exact color number to be used- **required.**
- Current photographs of site showing existing building and signage - 6 copies
- Lighting Plan (including fixture detail; light cuts) - 6 copies
- Landscape Plan (including types) - 6 copies
- Attachment Plan - 6 copies
- Sign Area Compliance Calculations - (calculations demonstrating compliance with sign area regulations in Zoning Ordinance) - 6 copies
- Electronic submission in PDF form

Other (check all that apply):

- Façade Renovation
- Building Addition/Accessory Structures
- New Building
- Telecommunication Antennas

Submission requirements (All of the following, that apply, MUST be submitted with application):

- Site plan drawn to scale - 6 copies (max. size 24" X 36")
- Building elevation drawn to scale - 6 copies (max. size 24" X 36")
- Colored rendering - 6 copies
- Landscape plan - 6 copies (max. size 24" X 36")
- *Note* Removal of trees may need to be reviewed by the Shade Tree Commission.
Please refer to Chapter 263 in the Township Code.
- Lighting plan - 6 copies
- Current photographs of site - 6 copies
- Material sample
- Electronic submission in PDF form

OUTDOOR DINING:

Submission requirements (All of the following **MUST** be submitted with application):

- A detailed/sketched site plan on 8 ½ x 11 paper, but not to exceed 24 X 36.
All sidewalk obstruction shall be noted and detailed dimensions shall be clearly shown - **6 copies**
- A photograph of your proposed Outdoor Dining area. - **6 copies**
- A photograph or vendor specification of proposed furniture. - **6 copies**
- A photograph or vendor specification of proposed barrier and detail of how far it will extend onto the sidewalk - **6 copies**
- Description of proposed outdoor furniture which must include quantity, colors, materials, types of the following; chairs, tables, umbrellas, heaters, barriers. - **6 color copies**
- Electronic submission in PDF form

NOTE: All information must be separated into 6 individual packets. Please be sure ALL items on checklists are included in application packets. If all items are not included, the application will NOT be accepted.

I hereby certify that I am the legal owner of the subject property as set forth in this application:

DATE

PRINT NAME

SIGNATURE

I hereby certify that I am the legal representation and/or agent for the owner of the subject property as set forth in this application:

01-17-25

DATE

Raymond Matus

PRINT NAME



SIGNATURE

NOTE: Applications will not be reviewed without applicant's presence at the meeting. Failure to appear shall result in denial of application.

ous Map



(Lower School Drop-off)

as Buck '49 Pavilion

Entrance (Middle School Drop-off)

Theatre & Moran Gallery

- 5 Hamilton Science Center
- 6 Middle School
- 7 Upper School
- 8 Student Life Center & Parents' Council Meeting Room

9 Gymnasium, Pierce Squash Center & Sonnenfeld Rowing Center

10 Phelps Field

11 Carter Field

X = WHERE FIXTURES WERE REPLACED

ESTIMATE

K&L Energy LLC
PO Box 428
Bridgeport, PA 19405

conor@kandlenergy.com
+1 (215) 589-2413
www.kandlenergy.com



Ray Matus:Exterior Lighting Upgrade

Bill to

Ray Matus
Agnes Irwin School
275 S Ithan
Bryn Mawr, PA 19010

Estimate details

Estimate no.: 1934

Estimate date: 10/11/2024

#	Date	Product or service	Description	Qty
1.		Lighting upgrades	<p>-Install (16) customer supplied Maxlite open face wall packs in existing wall pack locations.</p> <p>-Install (2) Maxlite open face wall packs in new location on exterior of library wall.</p> <p>Supply (1) wall pack, customer to supply the other (1) wall pack.</p> <p>-Install (10) customer supplied Maxlite 25w slim flood in place of (10) downlights on rear of newest building.</p> <p>-Install (12) customer supplied Maxlite 20/40/60 watt selectable slim floods on corners eaves of mid-century modern style building. Will utilize articulated man lift for these fixtures.</p> <p>-Convert (13) large Lumex street lights to ballast bypass LED fixtures. Install (13) customer supplied corn cob LED bulbs.</p>	1
2.		Lighting upgrades	<p>-Supply and install (6) 70 watt HPS equivalent bulbs in (6) small Lumex street lights. Rewire fixture to be ballast bypass.</p>	1
3.		Install Equipment	<p>-Supply and install (1) 15 ft aluminum direct burial street light.</p> <p>-Supply and install (1) bull horn for top of street light pole.</p> <p>-Coordinate PA 1 call and mark out underground utilities.</p> <p>-Install (2) customer supplied lights.</p> <p>-Trench and install conduit and conductors</p>	1

panel located near brown shed.
-Backfill and level out ground.

4.	Lighting upgrades	-Supply and install (8) flood lights to mount on exterior of building. -Supply and install new exterior weather proof boxes to mount new lights. -Light install will require articulated lift.	1
5.	Recycle	-Labor and coordination of offsite certified fluorescent lamp recycling of existing fixtures and bulbs.	1
6.	Equipment rental	-Up to 1 week rental of 45' articulated bucket lift, including all delivery and rental fees	1
7.	Terms & Conditions	Pricing assumes the following: -Work to be completed Monday thru Friday, 1st shift. 7:30 AM to 4 PM. Off-hours or weekend shifts will incur premium rates. -All areas to be free and accessible for ladder work, and/or articulating boom lift operation. -Does not include coordination or submittal of any permits. If permits are required, Agnes Irwin to notify K&L Energy who will then coordinate for additional fees.	1
Total			\$19,000.00

Note to customer

K&L Energy can accommodate, within reasonable means, changes to scope for time and materials. Time will be billed at \$300 per mobilization and \$100 per man hour. Pricing does not include any labor or materials costs associated with repairs needed to existing electrical work (conduits, conductors, raceways etc) that are exposed during onsite work.

Accepted date

Accepted by



Township of Radnor
Department of Community Development
301 Iven Avenue
Wayne, PA 19087

Contractor License
RADNOR 20003391

Contractor Name: K & L ENERGY LLC
KIRK KNIGHT

Type of Contractor: MASTER ELECTRICIAN CONTRACTOR LICENSE

Expiration Date: 06/03/2025

WALLMAX COMPACT OPEN FACE - CCT AND WATTAGE SELECT

WALLMAX COMPACT OPEN FACE WALL PACK - 80W, 120-277V, CCT SELECT 3/4/5K, BRONZE,

[MaxLite](#) [Products](#) [PHOTOCELL](#) [Outdoor](#) [Wall Luminaires](#)
[WallMax Compact Open Face - CCT and Wattage Select](#) WCOP80U-CSBPC

WCOP80U-CSBPC



Order# 108276

[FIND A REP](#)

[ADD TO QUOTE](#)

DOWNLOADS

Data Sheet

[Download](#)

Instruction Manual

[Download](#)

.ies

[Download](#)

PERFORMANCE

Watts (W)	80
Voltage (V)	120-277
Delivered Lumens (lm)	12032
Efficacy (lm/W)	148
Color Rendering Index (CRI)	≥80
Color Temperature (K)	3000/4000/5000
Equivalent Wattage	320/350W MH
Beam Angle	100
Beam Type	TYPE IV
Power Factor	0.90
Min. Ambient Temp (°F)	-40
Max. Ambient Temp (°F)	122

LUMEN MAINTENANCE

SLIM FLOOD LIGHTS

SLIM FLOOD, 60W 120-277V, 0-10V DIMMING, WIDE, WATTAGE/CCT SELECTABLE, BRONZE,

KNICKLE 1/2" THREADED NIPPLE YOKE MOUNT, PHOTOCELL

[MaxLite](#) [Products](#) [Outdoor](#) [Flood Fixtures](#) [Slim Flood Lights](#)
MSF60UW-WCSBKTYPC

MSF60UW-WCSBKTYPC



Order# 108582

[FIND A REP](#)

[ADD TO QUOTE](#)

DOWNLOADS

Data Sheet

[Download](#)

Instruction Manual

[Download](#)

.ies

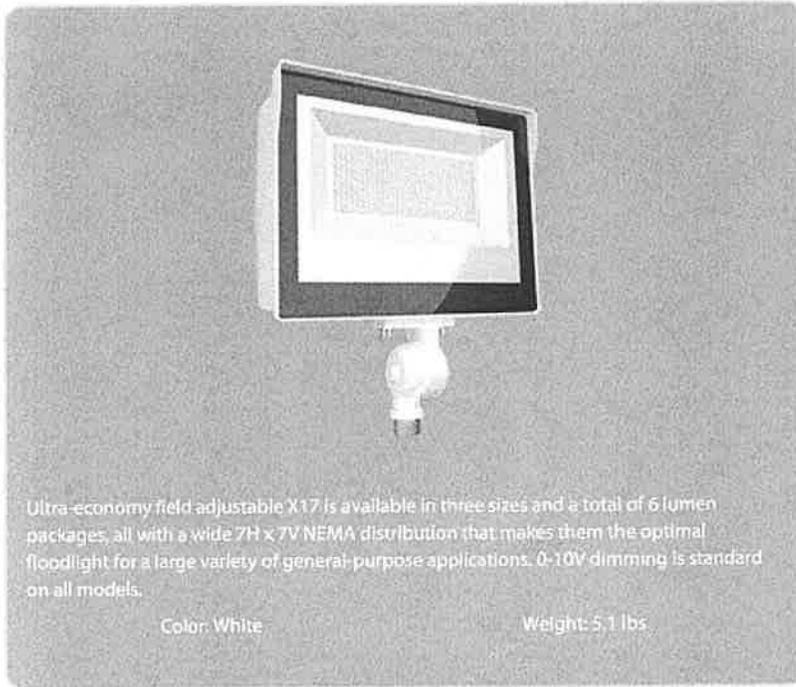
[Download](#)

PERFORMANCE

Watts (W)	20/40/60
Voltage (V)	120-277
Delivered Lumens (lm)	8400
Color Rendering Index (CRI)	≥70
Color Temperature (K)	3000/4000/5000
Equivalent Wattage	175W MH
Beam Type	WIDE
Power Factor	0.87
Min. Ambient Temp (°F)	-40
Max. Ambient Temp (°F)	122

LUMEN MAINTENANCE

L70 (Hours)	570000
Warranty (Years)	5



Ultra-economy field adjustable X17 is available in three sizes and a total of 6 lumen packages, all with a wide 7H x 7V NEMA distribution that makes them the optimal floodlight for a large variety of general-purpose applications. 0-10V dimming is standard on all models.

Color: White

Weight: 5.1 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.67A
208V	0.38A
240V	0.33A
277V	0.29A
Input Watts	81.2/79.96/81.36W

LED Info

Watts	80W
Color Temp	3000K/4000K/5000K
Color Accuracy	82/81/83 CRI
L70 Lifespan	100,000 Hours
Lumens	11,468/12,215/12,084 lm
Efficacy	141.2/152.8/148.5 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Color temperature selectable by 3000K, 4000K and 5000K

Compliance

UL Listed:

Suitable for wet locations

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an Independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:

Ingress protection rating of IP65 for dust and water

Electrical

Driver:

Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 0.67A, 208V: 0.38A, 240V: 0.33A, 277V: 0.29A

Dimming Driver:

Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.

THD:

9.56% at 120V, 10.13% at 277V

Power Factor:

99.9% at 120V, 93% at 277V

Photocell:

120-277V selectable photocell that can be turned on and off.

Surge Protection:

6kV

LED Characteristics

LEDs:

Long-life, high-efficacy, surface-mount LEDs

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Construction

Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature:

Suitable for use in up to 40°C (104°F)

Housing:

Precision die-cast aluminum

Mounting:

Robust knuckle mount with 180° adjustable swivel arm. Tilt angle in 10° increments.

Effective Projected Area:

EPA = 0.79

Lens:

Tempered glass

Reflector:

Polycarbonate

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Optical

NEMA Type:

NEMA Beam Spread of 7H x 7V

Other

5 Yr Limited Warranty:

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

WallMax Compact Open Face Series

Accessories

ORDER CODE	MODEL NUMBER	DESCRIPTION	IMAGE
111246	WCF-VISOR-SMALL	VISOR FOR WCF 29-80W	
111247	WCF-VISOR-LARGE	VISOR FOR WCF 120W	
111244	WCF-WG-SMALL	WIRE GUARD FOR WCF 29-80W	
111245	WCF-WG-LARGE	WIRE GUARD FOR WCF 120W	
107785	CEA-RDB	C-MAX EXTERNAL ADAPTOR BRONZE (WHITE ALSO AVAILABLE), MUST ALSO USE WCF-WTC-CEA-GASKET, ENABLES USE OF C-MAX ROUND CONTROL NODES	
111248	WCF-WTC-CEA-GASKET	GASKET MUST BE USED WITH CEA-RDB	
111294	EM2-REMOTE-MT	FIELD INSTALLABLE REMOTE MOUNT - 20°C BATTERY BACKUP (FOR UNIVERSAL (120-277V) PRODUCTS ONLY)	

Specifications:

	WCF29	WCF40	WCF60	WCF80	WCF120
Nominal Wattage (W)	29	40/35/28	60/50/40	80/70/60	120/100/80
Output (lm)	4,450-4,730	6,210-6,580	8,620-9,470	11,940-12,840	17,470-18,470
Efficacy (lm/W)	150-159	145-154	143-158	144-160	140-153
CCT	Selectable between 3/4/5K				
CRI	>80				
Dimming	0-10V				
Power Factor	>.90				
Input Voltage	120-277V				
Surge Protection	6kV				
Equivalency	150W	175W	250W	300/320W	400W
Lumen Maintenance (L70)	>100,000 hrs				
Housing	Die cast aluminum with corrosion resistant polyester powder paint finish				
Lens	Impact resistant prismatic borrosilicate glass				
Listings	UL, FCC, DLC 5.1 Premium				
Environment	Wet Locations and IP65				
Warranty	5 years (see link for details)				

* Default setting is highest wattage and 5000k