

ITEM # _____
DATE: 11/7/16

COUNCIL ACTION FORM

AGENDA ITEM: REPLACEMENT OF LIGHT FIXTURES IN THE COMMUNITY CENTER

HISTORY:

In 2015 City Council members dedicated \$25,000 to lighting upgrades and tables in the Community Event Center. \$8,000 was used to replace the projector/screen in 2016 and \$17,000 remains. No table upgrades are needed at this time. Council Member Steve Peterson and Community Event Center Coordinator Michele Denkinger have consulted with an electrical and lighting specialist to determine opportunities for improvements associated with an upgrade of the current pendant fixtures. With their guidance, we have identified a solution that would meet our expectation for compatibility, efficiency, cost effectiveness and renter satisfaction. The proposed upgrade consists of 25 interior downlights, including a dimmer option and smart bridge for remote control of lighting.

The current fixtures in the Community Center are Lithonia PDPH 100MHC 14 inch pendant and they use in total 169 watts metal halide lamps. The existing HID lamps have an average life of 15,000 hours and an average ballast life of 50,000 hours (device which maintains the current through the lamp). The current lights are unable to be dimmed and it also takes approximately 7 minutes for the lights to turn on to full brightness. Once at full brightness there is no way to manage the brightness for the room and it is an "all or nothing" situation. When the switch is accidentally leaned against during an event, the party then is required to wait for the restrike and it takes another 7 minutes for the lights to turn back on. We have received multiple complaints/requests regarding the lack of ability to dim the lights for special events such as weddings and celebrations. To create the ambiance appropriate for a wedding/birthday/corporate party celebration they typically have to turn one or two of the three sections of the lights all the way off and then provide their own lighting. This situation requires the renters to purchase additional back lighting for their events.

The proposed LED fixtures maintain consistency with the current décor and would further complement our venue from an esthetic perspective, as well from energy and cost efficiencies. The LED fixtures only use 51 watts at full brightness, with an immediate on/off and no waiting period to reach full brightness. The fixture has a L70 of 50,000 hours (L70 is when the fixture will produce 70% of the light it did when it was new). This is significantly more efficient. Even after 50,000 hours of use we are still at 70% capacity, not simply a burned out lamp. (LED lights do not burn out; they simply get dimmer over time, unlike HID lamps which burn out) There would also be an interior dimmer switch assigned to the lights, allowing our renters to determine and manage their light output for each specific event. 3E has proposed an option in conjunction with our fixtures that allows Windsor Heights to manage the output at full brightness. A "high end trim" on the dimmers would control the full power and limit the output to 90%. This would

extend the life even further, reduce energy consumption and our renters will never assume they are not at full power.

The proposed fixture allows Windsor Heights the ability to reuse the existing pendants to hang the fixtures. This will save time and product expense, in addition to the expense for installation. See installation information below.

The manufacturer is a reputable company - *Pathway Lighting Products, Inc.*, founded in 1990, is an independently-owned lighting manufacturer and the largest employer in Old Saybrook, CN. The company manufactures a wide range of architectural and commercial lighting products including high-lumen recessed down lighting, decorative pendants, surface cylinders and emergency lighting specifically designed for Healthcare, Commercial, Hospitality and Institutional applications. 3E endorses the company's customer service and the quality of their products. The quality of service was evident when the representative of the manufacturer joined us at the CEC for a meeting to confirm the compatibility of our current set-up and to meet us in person to answer any questions or concerns. They also graciously allowed Windsor Heights the option of ordering a fixture to evaluate and provided us with the option to return the fixture at no cost, even before we have committed to the purchase of the proposed replacements.

PRICING QUOTES

Three pricing quotes have been included for your review. All quotes are comparable to Pathway Lighting Products as the manufacturer of the Coventry Architectural Series P47FLX. Specifications are noted on the description line on each quote. The quotes listed below are specific to 25 pendant lights. The dimmer and smart bridge is specific to 3E at an additional \$360.00.

Quote #1	3E Electrical Engineering & Equipment Company	\$659.00 per unit Total cost = \$16,475	Dimmer and Smart Bridge = \$360
Quote #2	Spectrum Lighting	\$855.00 per unit Total cost = \$21,375	No quote on dimmer and bridge
Quote #3	Van Meter	\$823.43 per unit Total cost = \$20,585.75	No quote on dimmer and bridge

INSTALLATION:

The estimated price from Public Works Director Doug Stone for a contracted Electrician to install 25 fixtures would be between \$1,300 - \$1,800 and take approximately 2 days to install. Director Stone said they would utilize Road Use Funds to cover these costs.

OPTIONS:

1. Accept the lowest quote from 3E Electric for the purchase of 25 new down light fixtures and upgrade of dimmer and smart bridge for remote control function. Total cost of \$16,835.00, plus installation.
2. Choose an alternate bid provided.
3. Reject bids and ask staff to look into other alternatives.

4. Reject bids and do nothing at this time and rebid it next year.

STAFF RECOMMENDATIONS:

Staff recommends the replacement of the current light fixtures under the direction of 3E and their wholesale supply company supported by the items listed below:

1. The excellent reputation of 3E Electric and our continued commitment to support the local businesses within Windsor Heights.
2. The optimum compatibility of the replacements to our existing structure and the excellent reputation of the manufacturer *Pathway* and the products they produce.
3. The significant improvement to the overall cost and energy efficiencies gained with the replacement of HID lamps and the addition of the “high end trim programming” option.
4. The ability to consistently provide our renters with the highest quality experience, encouraging further revenue growth for the citizens of Windsor Heights.

Therefore, it is the recommendation of the City Administrator that Council approved Option #1, accepting the quote from 3E Electric for the purchase of 25 new down light fixtures and upgrade of dimmer and smart bridge for remote control function in the amount of \$16,835.00, plus installation.



QUOTATION

953 73rd Street
 Windsor Heights, IA 50324
 Tel: 515-273-0100
 Fax: 515-273-0101
 Toll Free: 800-955-3633

Project Name: WINDSOR HEIGHTS COMMUNITY CENTER **Quote #:** 2 FIXTURE DRIVER

Company:
Name: STEVE PETERSON

Date:
Prepared by: BRIAN METHE
 LIGHTING SPECIALIST

THE FOLLOWING IS OUR INTERPRETATION OF THE NECESSARY MATERIALS.

Qty	Type	MFG	Description	Unit	Price	Total
25	1	PATHWAY	P47FLX4040KDT1PB / PS12ABW INTERIOR DOWNLIGHTS	EA	\$ 659.00	\$ 16,475.00
3	DIM	LUTRON	PD-10NXD-WH DIMMER FOR INTERIOR DOWNLIGHTS *HIGH END TRIM PROGRAMMING AVAILABLE ON THIS MODEL *	EA	\$ 70.00	\$ 210.00
1	DIM	LUTRON	L-BDGPRO2-WH *OPTIONAL SMART BRIDGE FOR REMOTE CONTROL OF LIGHTS AND SCHEDULING*	EA	\$ 150.00	\$ 150.00
Total						\$ 16,835.00

1. Pricing is based on a complete package and cannot be separated without prior approval from 3E.
2. All fixtures are quoted with lamps unless noted otherwise.
3. All fixtures are quoted FOB Shipping Point, Freight Prepaid & Allowed, unless otherwise noted.
4. All items quoted are subject to manufacturer's published terms and conditions (terms and conditions are subject to change without notice).
5. Prices do not include accessories, stems, mounting hardware or bar hangers unless specifically stated.
6. Standard finish and color supplied unless noted.
7. Fixture quantities are for estimate purposes only and do not constitute a guaranteed bill of material.
8. All material is quoted subject to final review and approval of the specifier and/or owner.
9. This quotation is valid for acceptance within thirty (30) days and for shipment within ninety (90) days from date of quote.
10. **The customer is responsible for the freight charges on the anchor bolts and templates, when they are shipped shipped prior to the light poles.**
- 11 **No labor charge backs will be paid without pre-authorization from 3E.**

APPLICATION

Suspended LED downlights for general illumination in medium to high ceiling applications such as offices, malls and retail spaces where long life and energy efficient LED operation is desirable.

PRODUCT DATA

SHADE: "Split" reflector features acrylic upper shade in white or amber and satin anodized aluminum lower shade. A variety of colors are offered. Contact sales department for custom colors.

LENS: Optional lenses are available to enclose the fixture, secured with metal clamp band. See options below.

MECHANICAL: The cylindrical housing is constructed of satin anodized aluminum extrusions, finned for optimum heat dissipation.

ELECTRICAL: 120 to 277 VAC, 50-60 Hz.

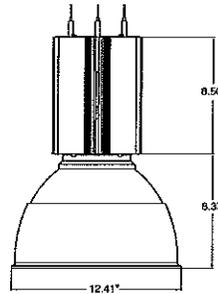
LED MODULE & DRIVER: LED Module and Driver are manufactured by Philips Lighting. CRI = 80.

POWER: 1100L = 15W, 1500L = 18W, 2000L = 25W, 3000L = 37W, 4000L = 51W.

HEAT MANAGEMENT: Engineered heat sink provides passive cooling for optimum heat management of the LED engine.

DIMMING: Product is compatible with 0-10 volt dimming controls, specify (D6) to order. See below for additional options.

- Expected lamp life to be 50,000 hours with 70% lumen maintenance when ambient temperatures do not exceed 45°C. Lower ambient temperatures yield longer lamp life.



Conical Prismatic Drop Lens



Coventry

Architectural Series

SERIES P47FLX/PS12
Pendant Downlight w/ Split Reflector 1100-4000L Flex

CALIBER
LED LIGHTING

Catalog #:

P47FLX

Example: P47FLX303KC1A / PS12WAW

Fixture Series	Lumens/Color Temp.	Dimming	Suspension	Ceiling Canopy/Cord Color	Upper Housing Finish	Options
P47FLX	11 = 1100 lumen 15 = 1500 lumen 20 = 2000 lumen 30 = 3000 lumen 40 = 4000 lumen 27K = 2700K 3K = 3000K 35K = 3500K 4K = 4000K	See Next Page	C = Aviation Cable coiled 10' cord* S = Aviation Cable/straight 10' cord For special length, specify in feet (ie, C16 = 16') P = Pendant provision F = Surface Mount W1† = Straight Wall Bracket W2† = Rocket Wall Bracket PH = Power Hook Increases overall height 4.5"	(for C & S mounting) 1 = White canopy, White cord 2 = White canopy, Black cord 3 = Black canopy, White cord 4 = Black canopy, Black cord 5 = Bronze canopy, White cord 6 = Bronze canopy, Black cord 7 = Silver canopy, White cord 8 = Silver canopy, Black cord	A = Anodized Aluminum W = White B = Black Z = Bronze	F = Fuse 1 = Conical Lens 2 = Clear Flat Acrylic Lens 3 = Clear Domed Acrylic Lens

Shade Style	Upper Acrylic	Lower Shade	
PS12 = Split Reflector	W = White A = Amber	Exterior: A = Anodized W = White B = Black Z = Bronze	Interior: W = White

† Specify color: A = anodized, B = black, Z = bronze, W = white
 * Coiled cord not available with dimming option.



Intertek
Listed For Damp Location

Manufactured and tested to UL#1598 and CSA standards. Note: Suitable for damp location.

Reflexor® and Lexalite® are registered trademarks of ALP lighting.

All Pathway® products meet or exceed requirements as established by the National Electrical Code. Specifications subject to change without notice. Alzak® is a registered trademark of Alcoa.

Fixture:	Type:
Project:	



Pathway Lighting Products, Inc., P.O. Box 591, Old Saybrook, CT 06475-0591
 voice 800.342.0592 • fax 800.207.0090 • www.pathwaylighting.com • e-mail: sales@pathwaylighting.com

LPFX3.0
CMMNUL



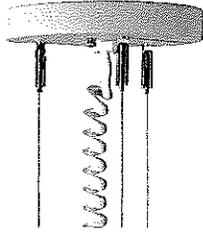
Dimming Options:

0-10V Dimming Options	Lutron Dimming Options	DALI Dimming Options
<p>D8 = Xitanium 1% 0-10V (linear)* ELD = EldoLED 0-10V 0% (logarithmic) ELD1 = EldoLED 0-10V 1% (logarithmic) ELD2 = EldoLED 0-10V 0% (linear) ELD3 = EldoLED 0-10V 1% (linear)</p>	<p>DE4 = Lutron Eco 1% (linear) D7 = Lutron 3 wire 1% (linear) DT1 = Lutron 2 wire 1% (linear)</p>	<p>DAL = EldoLED DALI 0% (logarithmic) DAL1 = EldoLED DALI 1% (logarithmic)</p>
DMX [^] Dimming Options (interfaced through 0-10V driver)	PathWave [^] Wireless Dimming Options (interfaced through 0-10V driver)	
<p>DMXD8 = DMX Xitanium 1% 0-10V (linear)* [^] DMXELD = DMX EldoLED 0% (logarithmic) [^] DMXELD1 = DMX EldoLED 1% (logarithmic) [^] DMXELD2 = DMX EldoLED 0% (linear) [^] DMXELD3 = DMX EldoLED 1% (linear) [^]</p>	<p>PWVD8 = Xitanium 1% 0-10V (linear)* [^] PWVELD = EldoLED 0% (logarithmic) [^] PWVELD1 = EldoLED 1% (logarithmic) [^] PWVELD2 = EldoLED 0% (linear) [^] PWVELD3 = EldoLED 1% (linear) [^]</p>	

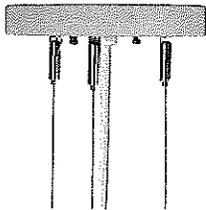
* Xitanium driver (D8) is the standard dimming option and does not require that 120V input (E1) or 277V input (E2) to be specified.

[^]DMX, PathWave and 347V input (E3) options are not compatible with emergency battery options and require the use of the DMX canopy. Not available on wall mounts.

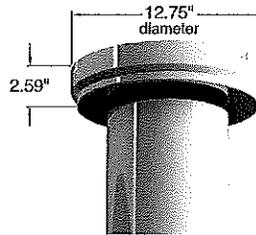
AVAILABLE OPTIONS



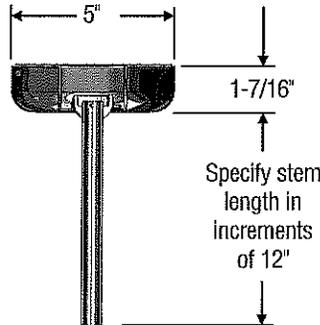
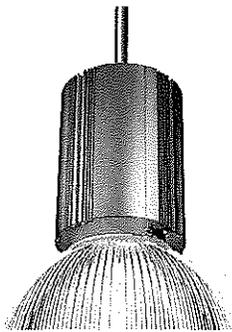
10' AVIATION CABLE AND COILED CORD (C)



10' AVIATION CABLE AND STRAIGHT CORD (S)
Contact Sales Department for custom lengths.



PATHWAVE/DMX CEILING CANOPY
Pathwave & DMX not available in wall mount models

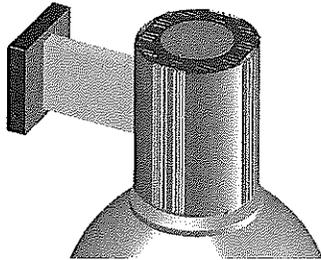


PENDANT MOUNT (P)

Swivel mount canopy allows cylinder to hang plumb up to 45° sloped ceiling stem 3/8" IPS (specify length) canopy adds 2.0" to overall length. Standard finish white powder coat. Specify Pendant Kit as follows:

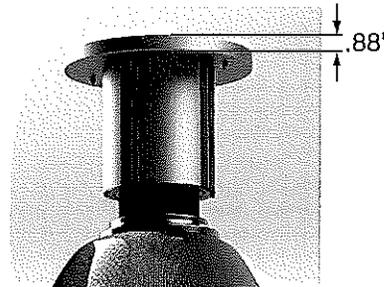
EXAMPLE: **PK 24 SA**

Swivel Pendant Kit _____
Stem Length in inches (add 1.5" for canopy) _____
Satin Aluminum (SA), White Finish (W),
Black (B), or Bronze (Z) _____



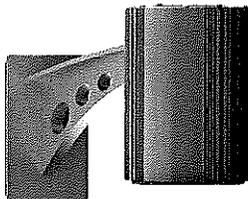
WALL MOUNT (W1)

Standard bracket protrudes 2.82" from wall. Mounts to 4" octagon junction box.

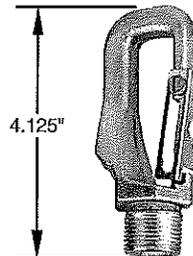


SURFACE MOUNT (F)

Provided with mounting holes for securement to 4" octagon junction box. Canopy adds 1.25" to overall height



ROCKET ARM WALL MOUNT (W2)



POWER HOOK (PH)

- 3/4" Male Thread
- 18" Flying Leads are supplied for electrical connections

QUOTATION

SPECTRUM LIGHTING
 2540 104th Street
 Urbandale, IA 50322
 515-276-5088

Order Number	
1134866	
Order Date	Page
10/19/2016 16:36:43	1 of 1

Bill To:

CITY OF WINDSOR HEIGHTS
 ATTN: MICHLLE DENKINGER
 WINDSOR HEIGHTS, IA

Ship To:

CITY OF WINDSOR HEIGHTS
 ATTN: MICHLLE DENKINGER
 WINDSOR HEIGHTS, IA

645-6821 MICHELLE

Customer ID: 134205

PO Number					Ship Route	Taker			
COMMUNTY CENTER						JELLIS			
Quantities					Item ID Item Description	Pricing UOM	Unit Price	Extended Price	
Ordered	Allocated	Remaining	UOM Unit Size	Disp.		Unit Size			

25.00	0.00	25.00	EA	1.0	TYPE PATHWAY P47FLX404KDT1PB/PS12ABW	EA	855.0000	21,375.00
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Total Lines: 1

SUB-TOTAL: 21,375.00
TAX: 0.00
AMOUNT DUE: 21,375.00
 U.S. Dollars



Quotation

1751 Guthrie Avenue
 Des Moines, IA 50316-2135
 515-262-9609 Fax 515-262-9619

QUOTE DATE	QUOTE NUMBER
10/19/16	S9513962
ORDER TO: (3) VAN METER INC. 1751 Guthrie Avenue Des Moines, IA 50316-2135 515-262-9609 Fax 515-262-9619	PAGE NO. 1

QUOTE TO:
 CITY OF WINDSOR HEIGHTS
 1133 66TH STREET
 DES MOINES, IA 50324-1799

SHIP TO:
 CITY OF WINDSOR HEIGHTS
 1133 66TH STREET
 DES MOINES, IA 50324-1799

CUSTOMER NUMBER	CUSTOMER ORDER NUMBER	ORDERED BY	SALESPERSON	PRICE BR	SHIP BR
63723	PATHWAY	MICHELLE	IA-W_HSE	3	8
WRITER	SHIP VIA	TERMS	BID EXP DATE	FREIGHT ALLOWED	
Drew Hill DM 2603	BID	NET 30 DAYS	See Below	No	

ORDER QTY	DESCRIPTION	UNIT PRICE	EXTENSION
1ea	^PATHWAY P47FLX-4040K-DT1PB/PS12ABW *4-6 WEEK LEAD TIME*	823.438e	823.44

Wire, conduit, and fluorescent lamp prices in effect at time of shipment. Other items valid 30 days and based on qtys supplied, unless otherwise specified. All items subject to approval by specifying party. Nonstock items are subject to restocking charges based on manufacturer's terms and conditions. Freight charges or applicable tax not included.
 For complete terms and conditions as well as EEO Compliance regulations please go to : <https://vanmeterinc.com/terms-conditions.html>

Subtotal	\$823.44
SS&H CHGS	\$0.00
Tax	To be Determined
Amount Due	\$823.44