ENERGY SERVICES PROPOSAL

FOR

CITY OF REDMOND

REDMOND CITY HALL LIGHTING

February 28, 2025

For: City of Redmond
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1. EXECUTIVE SUMMARY

A. Summary

The City of Redmond is working to address critical facility infrastructure needs and reduce utility consumption. As part of that effort, Integrity Energy Services (IES) conducted an Investment Grade Audit (IGA) of the lighting at Redmond City Hall. The enclosed Energy Services Proposal summarizes the results of the Investment Grade Audit (IGA) and provides City of Redmond the means to implement energy efficiency measures through an Energy Saving Performance Contract.

Integrity Energy Services worked closely with city stakeholders and the State of Washington Department of Enterprise Services (DES) Energy Program to perform the audit. Based on detailed site investigation and staff interviews IES identified a list of Energy Efficiency Measures (EEMs) options to upgrade the lighting. The City of Redmond project team selected an option for implementation after evaluation of each EEM for utility saving opportunity, system performance, constructability, and cost.

B. Project Overview

Based on the IGA analysis and direction from the customer and the DES Energy Program, Integrity Energy Services proposes to implement the following energy efficiency measure through an Energy Saving Performance Contract with the DES Energy Program:

- EEM #1D LED Troffer Kits & Local Lighting Control Upgrades

Note: A detailed summary of the measure is included in Section 2 of this Energy Services Proposal.

C. Scope of Services

The scope of services under this Proposal includes design, construction, commissioning, and monitoring & verification for 1 year. Although City of Redmond will operate and maintain the new equipment, Integrity Energy Services will provide important monitoring services to help ensure the predicted savings are achieved throughout the term of the agreement. This will include review of the system performance throughout the 3 year M&V term.

D. Financial Overview

The total project cost, including applicable taxes and DES Energy Program fee, is $764,062. The utility incentives to be provided by the UTILITY are estimated at $108,717. Construction of the selected measure will provide guaranteed annual utility savings resulting in $17,967 cost savings based on current utility rates. Additionally, this project will generate $3,271 of annual operational cost savings. After incentives, the final project cost is estimated at $655,345. All construction costs will be open book to the Client and DES Energy Program, and any cost savings will revert to the Client at the end of the project.

E. Guarantees

Integrity Energy Services guarantees that the project cost, related specifically to energy savings and the project scope, will not exceed the maximum price of $657,988. In addition, IES is guaranteeing that the project will perform so that the energy savings will meet or exceed the guaranteed Energy Savings 147,927 kWh per year. The guaranteed utility savings is based upon the Guarantee Multiplier shown in Savings Summary Table C.

F. Environmental Benefits

In addition to building improvements and energy savings, there is a significant positive impact on the environment as a result of this project. The energy savings produced as a result of this project will directly reduce the amount of power produced by the Utility. As noted above, this project will reduce City of Redmond's electrical and gas consumption that equates to reducing CO2 emissions by 66 tons per year, the equivalent of planting 18 acres of trees or eliminating 11 households annual carbon emissions (reference the DES Energy Program spreadsheet).

G. Summary of Benefits

Implementation of the energy efficiency measures outlined in the ESP will result in the following benefits:

- Secure $108,717 of alternative funds including grants and incentives
- Save $21,238 annually in utility and operational costs
- Maintenance labor cost savings: Future labor cost savings will result from installation of these measures. While we are not claiming these savings in order to pay for the project, the need for extensive maintenance labor will be reduced.
- Extended System Life: The existing system approaching the end of its economic life and is in need of replacement.
- Annually educe 66 tons of CO2 – equivalent to planting 18 acres of trees or 11 households annual carbon emissions.

H. Preliminary Project Schedule

Integrity Energy Services understands that timely project completion is critical and will work with City of Redmond to develop a detailed design and construction schedule once a contract has been finalized. A Preliminary Progress Schedule, Table "H", is located in Section 4 and describes project major milestones. A detailed construction schedule will be provided following project "Notice to Proceed" by DES Energy Program.

I. Conclusion

Integrity Energy Services appreciates the opportunity to support City of Redmond's efforts to significantly reduce their utility consumption and expenditures. This project represents a key element to achieve those goals while addressing aging infrastructure and improving system reliability and performance. IES looks forward to working with the City of Redmond and the Department of Enterprise Services Energy Program to implement a highly successful project.

2. EEM SCOPES OF WORK SUMMARY

EEM1D – LED Troffer Kits & Local Lighting Control Upgrades

A. Existing Conditions

The existing lighting was installed during the original construction of the building in 2006. It is predominantly parabolic troffer fixtures with compact fluorescent lamps in offices and open, cubicle workspaces. There are also a mixture of strip, direct/indirect, and can lighting.

The facility lighting is controlled by Blue Box Lighting Control Panels.

B. Issues/Challenges

The existing lamps are not as energy efficient as current LED technology and require relatively frequent maintenance and replacement. The lighting control system is also outdated and requires some manual operation to meet the facility needs.

C. Proposed Solution

Summary of measure scope of work

Electrical

1. Replace existing parabolic troffer fixtures with LED troffer kits. Replace various types of compact fluorescent fixtures with LED equivalents. New lighting will have local controls. Please refer to the following line by line audit and product data sheets for more details.

Commissioning

1. IES will provide comprehensive commissioning to verify proper operation of the system. Perform and document functional performance testing to ensure the equipment and systems are operating optimally, reducing energy use.

D. Benefits

This is an opportunity for the City of Redmond to significantly improve the functionality of lighting at City Hall while reducing utility and operational expenditures. The reduction in energy use would facilitate compliance with Washington State's mandatory Clean Buildings Performance Standard.

LITHONIA LIGHTING®

DIGITAL NAVIGATION

Ordering Tree nLight Platform SensorSwitch JOT Photometrics Performance Data

Catalog Number
Notes
Type

BLTR Relight Series

2BLT4R

2' x 4' Relight LED

FEATURES & SPECIFICATIONS

INTENDED USE — The 2BLT4R is designed to retrofit nearly any 2x4 fluorescent lensed or parabolic troffer with normal dimensions and construction (see dimensions). The standard kit is designed for T-grid mounted recessed units, but optional brackets are available for drywall / "hard-lid" ceilings or surface mounted housings. All 2BLT4Rs are UL rated for use in air-handling troffer housings. Integrated system bypasses all old fluorescent components for reliable, long-lasting performance and is a perfect platform for modern networked controls. Certain airborne contaminants can diminish integrity of acrylic. **Click here for Acrylic Environmental Compatibility table for suitable uses**.

CONSTRUCTION — Universal end brackets are painted steel and are designed to fit securely in nearly any 2x4 lensed or parabolic troffer (see dimensional requirements). Unitized doorframe reflector and electrical chassis does not require any field assembly, and is painted after fabrication with high reflectivity matte white powder coating. Diffuser trim rings add a finished appearance while providing a mounting point for integral controls and sensors.

All electrical and mechanical components can be accessed from below the ceiling plane.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces – rendering the interior space, objects and occupants in a more balanced, complimentary luminous environment. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Four diffuser choices available - curved and square designs with linear prisms or a smooth frosted finish. Optional lower glare, very low UGR (Unified Glare Rating) lens available.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. Greater than 80% LED lumen maintenance at 60,000 hours (L80+ > 60,000). Calculated L70 lumen maintenance greater than 150,000 hours. Color variation within 3-step MacAdam ellipse (35DCM)

Base (non-configurable) BLTR: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLTR: 2x4 BLTR kits provide > 135 LPW across a broad range of lumen outputs, CCTs, and driver options.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

Optional Field Adjustable Output (FAOE, FAO) devices provide a simple mechanical means of "dialing in" preferred high-end lumens.

SENSOR— Integrated sensor (individual control): SensorSwitch MSD7ADCX ((Passive infrared (PIR)) or MSDPDT7ADCX ((PIR/Microphonics Dual Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 5 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 6 for the nLight sensor options.

Integrated Smart Sensor (nLight Air Wireless Platform): The rES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY™, which allows for simple sensor adjustment. See page 6 for more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): SensorSwitch VERTEX JOT or JOTVTX15 luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page 4 for more details on the integrated wireless sensor.

INSTALLATION — After existing fluorescent components are removed from the host housing, universal end brackets are secured in place with TEKS™ screws. The BLTR's integrated driver and light engine door assembly can then be hinged to the universal end brackets and will hang in place for completion of assembly plug-in wiring. Rotate the doorframe assembly closed and pivot the cam latches to secure the doorframe in place. Suitable for damp location installations. Damp location not available with sensor versions.

LISTINGS — UL/cUL Listed for use in fluorescent luminaires. Classified for use in both static and air-handling troffer housings (see installation instructions for details). Installing Relight assemblies per instructions will not impact existing fixture UL listing. Tested to LM80 standards.

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

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to www.acuitybrands.com/buy-american for additional information.

Standard 2BLT4R meets TAA requirements.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

Specifications

Length: 47.8 (121.4)

Width: 23.9 (60.7)

Depth: 2.75 (6.9)

Weight: 16.25 (41.2)

All dimensions are inches (centimeters) unless otherwise specified.

Embed nLight controls today. Prepare for tomorrow.

Now

- User-friendly install
- Enhanced energy savings
- Code compliance

Tomorrow

- Scalability
- Space configuration
- Future-ready

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 2BLT4R 40L ADP EZ1 LP840

2BLT4R

Series

2BLT4R	2X4 BLTR

Trim Type/ Air Function[1]

(blank)	Standard white two-piece flanged bracket (meets air handling requirements but may not match air-handling paint finish)
A	Standard two-piece flanged bracket painted black to match parabolic / air-handling reveals
F	Flangeless two-piece bracket for installation in drywall / "hard lid" ceilings
LPB	One-piece low profile bracket for installation in some obstructed housings (consult factory) (see pg. 4)

Lumens[2]

Nominal lumen output (standard high efficiency > 135LPW)

20L	2000
30L	3000
40L	4000
48L	4800
60L	6000
72L	7200

Diffuser

ADP	Curved, linear prisms
ADSM	Curved, smooth
SDP	Square, linear prisms
SDSM	Square, smooth
LUGR	Very low UGR lens

Diffusers w/ trim rings

ADPT	Curved, linear prisms
ADSMT	Curved, smooth
SDPT	Square, linear prisms
SDSMT	Square, smooth
LUGRT	Very low UGR lens with trim

Voltage

(blank)	MVOLT
120	120V
277	277V
347	347V[4,5]

Driver

EZ1	eldoLED dims to 1% (0-10 volt dimming)
GZ1	Dims to 1% (0-10V dimming)[6]
GZ10	Dims to 10% (0-10V dimming)[6]
SLD	Step-level dimming[7]
EOHN	Specialized drivers for use only with Atrius systems

Color temperature

LP830	82CRI, 3000 K
LP835	82CRI, 3500 K
LP840	82CRI, 4000 K
LP850	82CRI, 5000 K
LP930	90CRI, 3000K[20]
LP935	90CRI, 3500K[20]
LP940	90CRI, 4000K[20]
LP950	90CRI, 5000K[20]

nLight Interface

nLight Wireless

(blank)	no nLight® interface
NLTAIR2	nLight AIR Generation 2 enabled[9]

nLight Wired

(blank)	no nLight® interface
N80	nLight with 80% lumen management
N80EMG	nLight with 80% lumen management.For use with generator supply EM power[8]
N100	nLight without lumen management
N100EMG	nLight without lumen management. For use with generator supply EM power[8]

Control[9]

nLight Wireless

RES7	nLight AIR control with PIR integral occupancy sensor and automatic dimming photocell[18]
RES7PDT	nLight AIR control with PDT dual technology integral occupancy sensor and automatic dimming photocell[18]
RIO	nLight AIR radio module without sensor[18]
RES7EM	nLight AIR PIR integral occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection[18]
RES7PDTEM	nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection[18]
RIOEM	nLight AIR radio module less sensor, with UL924 Emergency Operation, via power interrupt detection[18]

nLight Wired

(blank)	No sensor control
NES7	nLight™ nES 7 PIR integral occupancy sensor[11]
NESPDT7	nLight™ nES PDT 7 dual technology integral occupancy control[11]
NES7ADCX	nLight™ nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell[11]
NESPDT7ADCX	nLight™ nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell[11]

Individual Control

MSD7ADCX	PIR integral occupancy sensor with automatic dimming control photocell[12]
MSDPDT7ADCX	PDT integral occupancy sensor with automatic dimming control photocell[12]
JOT	Wireless room control with "Just One Touch" pairing[19]
JOTVTX15	Wireless occupancy sensor with "Just One Touch" pairing[19]

Standby Mode

NOC	Occupancy sensor disabled[13]

Options

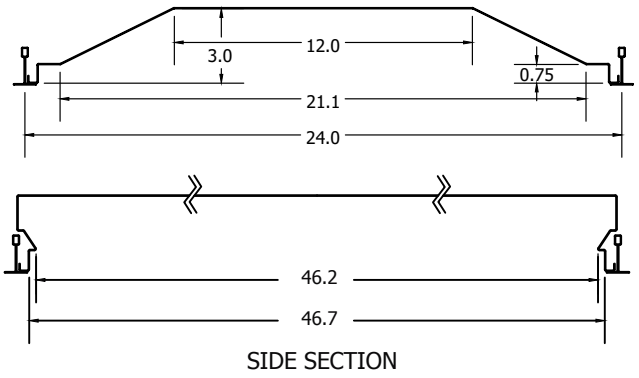
FAOE	Field adjustable output - Energy Focused. 8 increment selections down to 17% wattage / 23% lumens
FAO	Field adjustable output (old style) - 8 increment selections down to 71% wattage / 67% lumens
BDP	Disconnect Plug
EL7L	700 lumen battery pack (Noncompliant with CA T20)[16]
EL14L	1400 lumen battery pack (Noncompliant with CA T20)[16]
E10WLCP	EM Self-Diagnostic battery pack, 10W Constant Power, (Certified in CA Title 20 MAEDBS)[15]
BGTD	Bodine Generator Transfer Device[14]
GLR	Fast-blowing fuse[15]
GMF	Slow-blowing fuse[15]
NPLT	Narrow pallet
BAA	Buy America(n) Act Compliant
JP20	Job Pack

Notes

1 Consult factory for airflow data.
2 Approximate lumen output.
3 Not available with EL7L or EL14L battery packs.
4 347 not available with SLD.
5 GZ1, GZ10 not available with any Control or Sensor options.
6 Not available with N80, N80EMG, N100, N100EMG, NLTAIR2, or occupancy control.
7 nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.
8 Must order with RES7, RES7PDT, or RIO sensor. Only available with EZ1 driver.
9 Must specify diffuser with trims rings. See sensor options on page 4.
10 Requires N80, N80EMG, N100, or N100EMG.
11 Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate. Not available with Controls options.
12 Can only be ordered in conjunction with EZ1, NLTAIR2, RES7/ RES7PDT. Occupancy sensor disabled at factory but can be re-enabled upon commissioning.
13 Requires BSE labeling. Consult factory for options.
14 Must specify voltage, 120 or 277 with GLR & GMF fusing.
15 GZ1 and GZ10 driver not available with battery pack when specifying 72LHE or 85LHE lumen options. Must use EZ1 driver.
16 See UL924 Sequence of Operation instruction on page 3. When combined with the EZ1 option, can be used as a normal power sensing device for nLight AIR devices and luminaires with EM emergency options.
17 Wired 0-10v dimming control not available. Not available with nLight Interface or Controls options. Not available with NOC, SLD, BGTD, or FAO. Must specify diffuser with trim rings.
18 Extended leadtimes and minimum order quantities may apply. Consult factory.

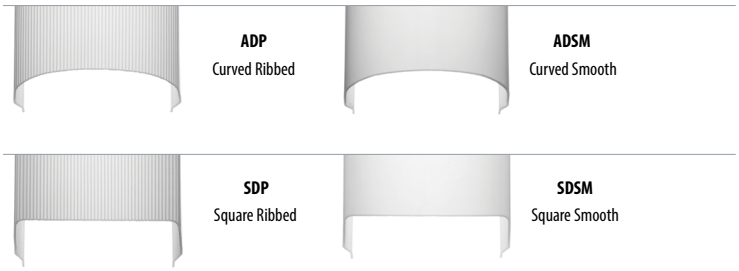
Fit & Compatibility

The 2BLT4R Relight Assembly was designed to upgrade recessed 2x4 fixtures, including most parabolic and lensed troffers from all major manufacturers. Dimensional requirements are below, but Lithonia Lighting recommends a trial installation prior to purchasing project quantities.



SIDE SECTION

Multiple Diffuser Options



ADP
Curved Ribbed

ADSM
Curved Smooth

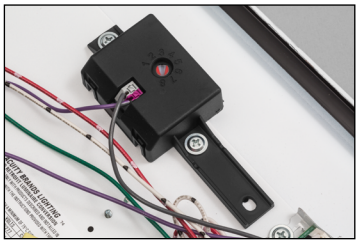
SDP
Square Ribbed

SDSM
Square Smooth

Performance Data - ADP Diffuser			
Lumen Package	**Lumens**	**Input Watts**	**LPW**
20L ADP LP830	2,067	14.8	139
20L ADP LP835	2,096	14.8	141
20L ADP LP840	2,153	14.8	145
20L ADP LP850	2,188	14.8	148
30L ADP LP830	3,089	22.3	138
30L ADP LP835	3,131	22.3	140
30L ADP LP840	3,217	22.3	144
30L ADP LP850	3,260	22.3	146
40L ADP LP830	3,867	29.0	133
40L ADP LP835	3,921	29.0	135
40L ADP LP840	4,028	29.0	139
40L ADP LP850	4,074	29.0	140
48L ADP LP830	4,765	34.0	140
48L ADP LP835	4,831	34.0	142
48L ADP LP840	4,964	34.0	146
48L ADP LP850	5,019	34.0	148
60L ADP LP830	5,909	42.9	138
60L ADP LP835	5,991	42.9	140
60L ADP LP840	6,155	42.9	143
60L ADP LP850	6,210	42.9	145
72L ADP LP830	6,969	52.2	134
72L ADP LP835	7,065	52.2	135
72L ADP LP840	7,259	52.2	139
72L ADP LP850	7,302	52.2	140

Lumen Multiplier for Lens Options (input wattage remains unchanged)								
ADSM	**SDP**	**SDSM**	**LUGR**	**ADPT**	**ADSMT**	**SDPT**	**SDSMT**	**LUGRT**
1.02	1.02	1.02	1.14	0.93	0.95	0.95	0.95	1.06

Optional Adjustable Output



FAOE SETTINGS - Field Adjustable Output - Energy Focused

	0-10 Voltage Dial Setting	% Lumen Output (approximate)	% Input Wattage (approximate)
Step 8	Full Output	100%	100%
Step 7	7.5 VDC	95%	93%
Step 6	6.5 VDC	85%	79%
Step 5	5.5 VDC	75%	66%
Step 4	4.5 VDC	63%	53%
Step 3	3.5 VDC	51%	41%
Step 2	2.5 VDC	37%	29%
Step 1	1.5 VDC	23%	17%

FAO SETTINGS - Field Adjustable Output

	0-10 Voltage Dimmer	% Lumen Output (approximate)	% Wattage (approximate)
Step 8	Full Output	100%	100%
Step 7	9.0 VDC	98%	100%
Step 6	8.0 VDC	88%	86%
Step 5	7.0 VDC	86%	82%
Step 4	6.0 VDC	82%	80%
Step 3	5.0 VDC	76%	75%
Step 2	4.0 VDC	71%	72%
Step 1	3.0 VDC	67%	71%

Simple adjustment of output through the use of a flat head screwdriver.

Emergency Battery Pack Options - Field Installable

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter / 2 Hour Runtime
ILB CP10 A	10W	90	1200	
ILBLP CP10 HE SD A	10W	90	1200	Title 20, Self Diagnostic
ILB CP10 HE AELR A	10W	90	1200	Title 20; Enabled with Self Testing, Automated Reporting (STAR)
ILBLP CP15 HE SD A	15W	90	1800	Title 20, Self Diagnostic
ILB CP20 HE A	20W	90	2400	Title 20
ILB CP20 HE SD A	20W	90	2400	Title 20, Self Diagnostic

All the above are UL Listed products that are certified for field install external/remote to the fixture.
*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.
The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.
Please contact us at productsupportemergency@acuitybrands.com for any Emergency Battery related questions.

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

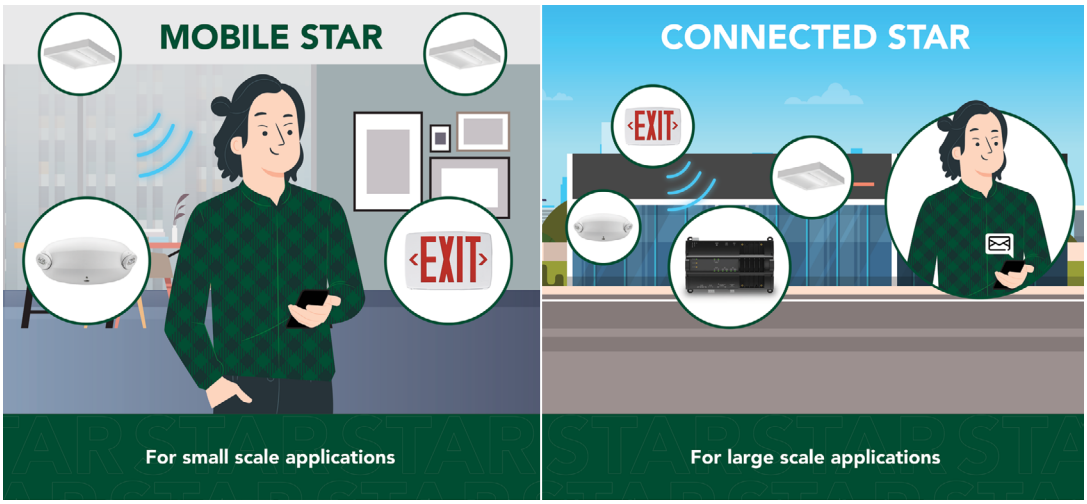
- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CL**AIR**ITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

Enabled with STAR

Emergency Lighting with Self-Testing Automated Reporting (STAR), enables self-testing and automated reporting to aid in life safety code compliance. Build your solution and choose your preferred deployment from Mobile STAR, where test data is logged in each individual unit and broadcast to the Cl**AIR**ity™**+** app, or Connected STAR, where test data is logged in the STAR Gateway by IOTA® and emailed directly. **Leave the ladders, disruptions and written records behind with emergency lighting solutions with STAR!**

Life Safety Code NFPA 101 testing and reporting requirements for emergency lighting include:

- Testing for 30 seconds every 30 days
- Testing for 90 minutes once a year
- Record keeping and to report to the authority having local jurisdiction



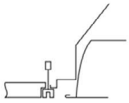
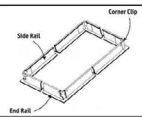
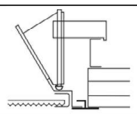
Application Guide

2BLT4R — Typically used for lensed troffer installations. Assembly contains white end brackets and is supplied with white trim strips for use in closing gaps down fixture sides (installer's choice - not required).

**Note: This kit is also UL rated for use in air-handling host housings, but white end bracket may not match fixture finish. This kit will fit in Lithonia's Avante non-air fixture.*

2BLT4R A — Typically used for parabolic installations with black reveal. Assembly contains black end brackets to match black reveal around host housing. Does not interfere with host housing air supply/return if present (along fixture sides).

BLTR Bracket "fit" recommendations

							
Ceiling type	**15/16" T-grid**	**9/16" T-grid**	**Narrow Screw-slot**	**Hard Ceiling w/ "Lay-In" style plaster frame** (drywall grid adapter)	**Hard Ceiling with Integral drywall mounting** ('swing gate' housing)	**1x1 hard tile ceiling**	**Deep louver riser** ("renovator" parabolic)
Recommended BLTR bracket type	**Standard**	**Standard**	**F bracket ***	**Standard**	**F bracket**	**F bracket**	**LPB bracket**

**Standard bracket may work in some*

BLTR "F" bracket vs. standard

Because the"F" bracket does not have the standard T-grid return flange, it can be used in many hard ceiling / drywall frame installations where the standard bracket would be obstructed.

This "F" bracket can also often be used in narrow screw-slot grid ceilings.

Replacement / Trial parts

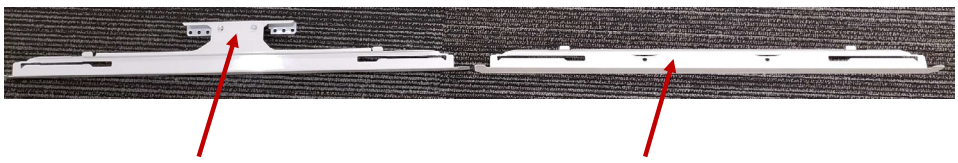
To order BLTR Standard 2pc end bracket replacement (shipped as assembled units):

- 2x4 = CI code *257YX0 T5746 (qty 2 required per kit)
- 2x2 = CI code *257YX0 T5746 (qty 2 required per kit)
- 1x4 = CI code *259VRM T5745 (qty 2 required per kit)

To order BLTR "F" 2pc end bracket replacement (shipped as assembled pairs):

- 2x4 = CI code *254PVS 2BLTRF FLANGE BRKT ASSEMBLY (qty 1 req. per kit)
- 2x2 = CI code *254PVS 2BLTRF FLANGE BRKT ASSEMBLY (qty 1 req. per kit)
- 1x4 = CI code *255SWN BLTRF FLANGE BRKT ASSEMBLY (qty 1 req. per kit)

Differences between standard BLTR 2pc bracket and LPB 1-piece low profile bracket



Current 2-piece bracket has upper "T" bracket that mounts in most troffer endplates and bridges over most obstructions

To order BLTR Standard 2pc end bracket replacement (shipped as assembled units):

- 2x4 = CI code *257YX0 T5746 (qty 2 required per kit)
- 2x2 = CI code *257YX0 T5746 (qty 2 required per kit)
- 1x4 = CI code *259VRM T5745 (qty 2 required per kit)

1-piece design was originally developed for large customer to fit some older troffers where standard bracket would not fit due to endplate obstructions

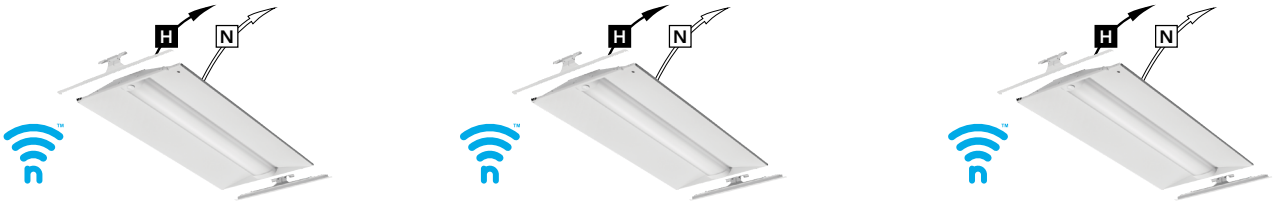
To order BLTR low profile 1pc LPB bracket (shipped as assembled units):

- 2x4 = CI code *268PJK GPF N320810 (qty 2 required per kit)
- 2x2 = CI code *268PJK GPF N320810 (qty 2 required per kit)
- 1x4 = CI code n/a *not available*

nLight Platform

nLight embedded fixtures offer:	Customers get:
Manual Dimming	Convenience and visual comfort for occupants
Motion Sensing and/or Daylight Harvesting	Energy savings and code compliance
Fixture or Group Level Control	Ability to configure lighting to the space requirements
Flexibility	Ease of fixture moves, adds and changes
Wireless Wall Switch (nLight AIR Only)	Ease and flexibility of placement
Astronomical and Time of Day Scheduling	Energy savings and building security
Scalable Solution	nLight controls to grow with your business
Future-Ready	nLight platform to set foundation for future upgrades and capabilities

nLight Air Wireless



BLTR Series

Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CL**AIR**ITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome

nLight AIR rPODBA

Mobile Device

JOT Wireless

JOT
Just One Touch

SensorSwitch JOT Enabled Wireless Solution

Designed with contractors in mind, the SensorSwitch JOT enabled wireless solution offers a straightforward approach to the installation and pairing of lighting fixtures and controls. Absolutely no 0-10V control wires and no mobile apps are needed with JOT enabled products, allowing for lightning speed installation right out of the box.

1. Power: Install JOT enabled fixtures and controls as instructed.
2. Pair: Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
3. Play: Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

BLTR Series

SensorSwitch
WSXA JOT

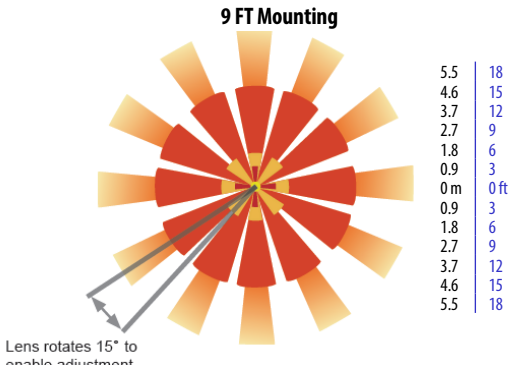
BLTR Series
with integrated
JOT OCC
Sensors

SensorSwitch
SPODMRA JOT

Sensor Options					
Option	Automatic Dimming Photocell	Occupancy Sensing		nLight Wired Networking	nLight AIR Networking
		PIR	PDT		
MSD7ADCX	X	X			
MSDPDT7ADCX	X		X		
NES7		X		X	
NES7ADCX	X	X		X	
NESPDT7			X	X	
NESPDT7ADCX	X		X	X	
RES7	X	X			X
RESPDT7	X	X	X		X

Sensor Coverage Pattern
Mini 360° Lens

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and
- 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)
- Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor



Integrated Sensor with Individual Control

The MSD7ADCX PIR occupancy sensor/automatic dimming photocell is ideal for areas without obstructions and where daylight harvesting may be desired. Suggested applications include, but not limited to, hallways, corridors, storage rooms, and breakrooms or other areas where people are typically moving.

The MSDPDT7ADCX PIR/Microphonics Dual Tech occupancy sensor/automatic dimming photocell is ideal for areas with obstructions and where daylight harvesting is desired. Suggested applications include, but not limited to, open offices, private offices, classrooms, public restrooms, and conference rooms.

nLight AIR Wireless

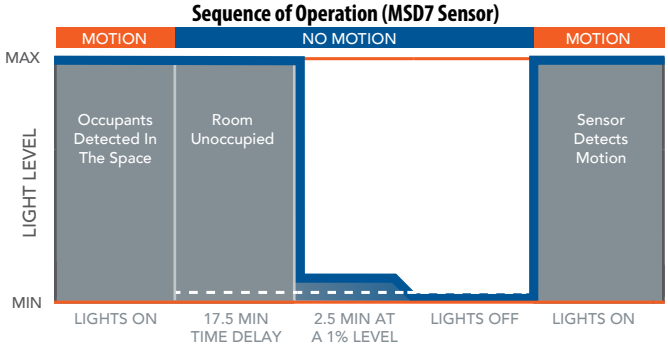
nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. The integrated rES7 or rES7PDT smart sensors are part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application.

nLight Wired Networking

The nES 7 is ideal for small rooms without obstructions or areas with primarily walking motion. Ideal areas include hallways, corridors, storage rooms, and breakrooms. Additionally, the nES7ADCX includes an integrated photocell, which enables daylight harvesting controls.

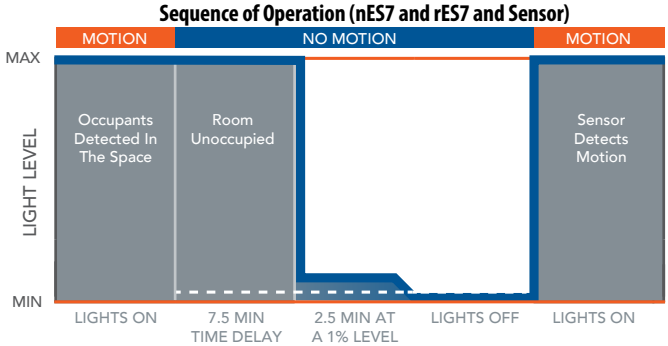
For areas like restrooms, private offices, open offices, conference rooms or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics technologies to detect occupancy. Additionally, the nESPDT7ADCX includes an integrated photocell, which enables daylight harvesting controls which is ideal for areas where windows are present.

Sequence of Operation (MSD7 Sensor)



*The presetting on the automatic dimming photocell is 5fc.

Sequence of Operation (nES7 and rES7 and Sensor)



*The presetting on the automatic dimming photocell is 5fc (NES7) and 10fc (RES7).

Controls Accessories

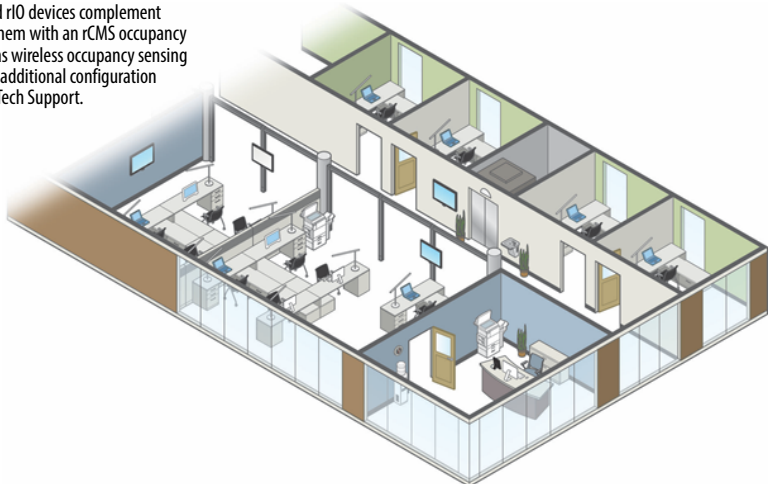
nLight® Wired Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight.

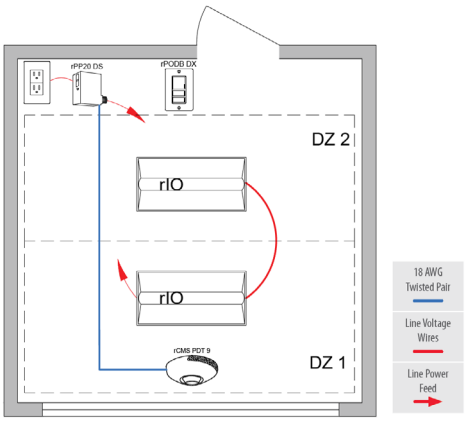
WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODMA [Color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 RJB / nCM PDT 9 RJB
On/Off & raise/lower	nPODMA DX [Color]	Large motion 360°, ceiling (PIR / dual tech)	nCM10 RJB / nCM PDT 10 RJB
Graphic touchscreen	nPOD TOUCH [Color]	Wall switch with raise/lower	nWSX PDT LV DX [color]
Photocell controls	Model number	Cat-5 cable (plenum rated)	Model number
Full range dimming	nCM ADCX RJB	10' cable	CAT5 10FT J1
		30' cable	CAT5 30FT J1

nLight® AIR Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODBA [color] G2
On/Off two pole	rPODB A2P [color] G2
On/Off & raise/lower single pole	rPODBA DX [color] G2
On/Off & raise/lower two pole	rPODBA 2P DX [color] G2

BLTR fixtures with integrated rIO devices complement any small office space. Pair them with an rCMS occupancy sensor and the space now has wireless occupancy sensing and dimming capability. For additional configuration options please consult with Tech Support.





rCMS[1] — Example: RCMS PDT 10 AR G2

Series / Detection		Power Supply[1]		Occupancy Detection		Lens (Required)		Operating Mode		Generation	
RCMS	nLight AIR occupancy and daylight sensor	[blank]	Power Supply ordered separately	[blank]	PIR Detection	10	Large Motion/ Extended Range 360°	[BLANK]	None	G2	Generation 2 compatibility
		PS 150	Standard 150 mA Power Supply	PDT	Dual Tech PIR/ Microphonics	9	Small Motion/ Extended Range 360°	AR	Auxiliary Relay		
						6	High Bay 360° Lens				

Notes
1 RCMS requires low voltage power from either RPP20 DS 24V G2 or PS150.

SensorSwitch WSX

nLight WIRED NPOD UNITOUCH

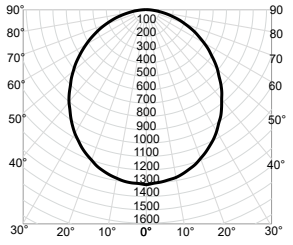
nLight WIRED nPODMA DX

nLight AIR rPODBA

BLTR with rIO | rPODBA | RCMS

PHOTOMETRICS

2BLT4R 40L ADP LP835 Input Watts: 31.0, Delivered Lumens: 3960, LPW: 127.7, S/MH: 1.19, Test No: ISF 36900P313



CP Summary

0°	
0°	1,311
5°	1,296
15°	1,238
25°	1,125
35°	972
45°	789
55°	595
65°	404
75°	210
85°	47
90°	1

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	1,015	26%
0° - 40°	1,653	42%
0° - 60°	2,931	74%
0° - 90°	3,958	100%
90° - 180°	2	0%
0° - 180°	3,960	100%

Coefficients of Utilization

pf	80%			70%			50%		
pc	50%	30%	10%	50%	30%	10%	50%	30%	10%
pw									
0	119	119	119	116	116	116	111	111	111
1	102	98	93	100	96	92	96	92	89
2	88	81	75	86	80	74	83	77	72
3	77	69	62	76	68	61	72	66	60
4	68	59	52	67	58	52	64	57	51
5	61	51	45	60	51	44	57	50	44
6	55	45	39	54	45	39	52	44	38
7	50	41	34	49	40	34	47	39	34
8	45	36	30	44	36	30	43	36	30
9	41	33	27	41	33	27	40	32	27
10	38	30	25	38	30	25	37	30	25

Cone of Light

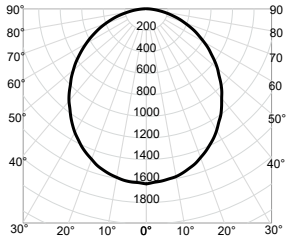
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	36.4	15.5
8.0	20.5	20.7
10.0	13.1	25.9
12.0	9.1	31.0
14.0	6.7	36.2

Beam Angle: 104.6°
Field Angle: 172.1°

Luminance (cd/sq.m)

	Average Luminance
0°	2,115
45°	1,799
55°	1,672
65°	1,540
75°	1,309
85°	872

2BLT4R 48L ADP LP835 Input Watts: 31.0, Delivered Lumens: 4910, LPW: 130.6, S/MH: 1.19, Test No: ISF 36900P233



CP Summary

0°	
0°	1,626
5°	1,607
15°	1,535
25°	1,394
35°	1,205
45°	978
55°	737
65°	500
75°	260
85°	58
90°	1

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° - 30°	1,259	26%
0° - 40°	2,050	42%
0° - 60°	3,634	74%
0° - 90°	4,908	100%
90° - 180°	2	0%
0° - 180°	4,910	100%

Coefficients of Utilization

pf	80%			70%			50%		
pc	50%	30%	10%	50%	30%	10%	50%	30%	10%
pw									
0	119	119	119	116	116	116	111	111	111
1	102	98	93	100	96	92	96	92	89
2	88	81	75	86	80	74	83	77	72
3	77	69	62	76	68	61	72	66	60
4	68	59	52	67	58	52	64	57	51
5	61	51	45	60	51	44	57	50	44
6	55	45	39	54	45	39	52	44	38
7	50	41	34	49	40	34	47	39	34
8	45	36	30	44	36	30	43	36	30
9	41	33	27	41	33	27	40	32	27
10	38	30	25	38	30	25	37	30	25

Cone of Light

Mounting Height	Initial FC Center Beam	Beam Diameter
6.0	45.2	15.5
8.0	25.4	20.7
10.0	16.3	25.9
12.0	11.3	31.0
14.0	8.3	36.2

Beam Angle: 104.6°
Field Angle: 172.1°

Luminance (cd/sq.m)

	Average Luminance
0°	2,623
45°	2,231
55°	2,073
65°	1,910
75°	1,623
85°	1,082

Accessories & Replacement Parts

Replacement Parts: *Order as separate catalog number.*

2DBLTR48 ADP LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 SDP LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 ADSM LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 SDSM LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 ADPT LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 SDPT LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 ADSMT LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 SDSMT LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 ADPT SENSOR LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 SDPT SENSOR LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 ADSMT SENSOR LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
2DBLTR48 SDSMT SENSOR LENS ASSEMBLY	2x4 ft. replacement lens (trims included)
U10530A	2x4 ft. replacement troffer trim strip
RK8BDP 2P U	Disconnect Plug (BDP), 2 Pole, Package of 1
RK8BDP 3P U	Disconnect Plug (BDP), 3 Pole, Package of 1
RK8BDP 2P J10	Disconnect Plug (BDP), 2 Pole, Package of 10
RK8BDP 2P J40	Disconnect Plug (BDP), 2 Pole, Package of 40

Catalog Number: | Date: | Project:

OVERVIEW

The nLight® AIR rPODBA is a wireless, battery-powered wall switch including toggle and/or raise lower features with optional multi-pole control. It provides a user with local control of a lighting zone. A true wire-free switch, these single gang decorator style devices have soft-click buttons and a green LED indicator for each button. The wall switches communicate with other nLight AIR devices via radio frequency (RF). A battery-powered wall switch can work with any nLight AIR enabled fixture or power pack to provide toggle switch operation. Wall switches with the DX option have the added ability to adjust the level of any nLight AIR controlled dimmable light fixture.

FEATURES

- Powered with three off-the-shelf lithium AAA batteries and rated for 10 years of normal use, minimizing battery replacement. (Battery replacement with alkaline batteries does not guarantee a 10-year run time.)
- Communicates with nLight AIR devices via radio frequency (RF) in the 900MHz spectrum
- Soft-click push-button control
- Single pole or two pole on/off control with optional raise/lower option ("DX" option)
- 2 or 4 preset scene control fully configurable via CL**AIR**ITY™+ mobile app
- Maximum of 4 total preset scenes per nLight AIR group
- Batteries are included and preinstalled, allowing for a simple unbox and mount installation
- Wireless multi location dimming

CUSTOM BUTTON ENGRAVING

- Custom lettering for units can be specified and ordered at: nGrave Form
- To ensure color uniformity, ordering templates facilitate specifying all buttons on a unit as custom lettered. Replacing single buttons is not recommended
- Custom buttons will ship separately and require field installation

Warranty
Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

A+ Capable

This item is an A+ capable component, which has been designed and tested to provide out-of-the-box luminaire compatibility with simple commissioning, when included as part of an A+ Certified™ Solution.

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

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

nLight® AIR rPODBA: Battery-Powered Wall Switch

Note: nLight® AIR devices are only compatible with other nLight AIR enabled devices and are not cross compatible with other nLight product lines at this time.

Design Select options indicated by this color background.

ORDERING INFORMATION

rPODBA				Example: RPODBA 2P DX WH G2
Series	**Poles & Scenes**	**Dimming Control**	**Color**	**Generation**
RPODBA	[blank] Single Pole 2P Two Pole 2S 2 Scene control (2 buttons) 4S 4 Scene control (4 buttons)	[blank] On/Off Control DX On/Off + Raise/Lower Control	WH White IV Ivory AL Light Almond BK Black GY Gray RD Red	G2 Generation 2 Compatibility

ORDERING INFORMATION

All rPODBA switches are shipped with wall plates, however, the following order information is available to acquire replacement wall plates.

Wall Plate - Additional or Replacement					
Series	**# of Gangs**	**Color**			**Packaging**
WS XPODA Wall Plates (Standard) SSW Sealed Covers	1 GNG Single Gang	WH White IV Ivory GY [2] Gray	AL [2] Light Almond BK [2] Black RD Red	VP[2] Variety Pack	[blank] Single Unit [3] M5 [2] 5 Pack M6 [1,2] 6 Pack

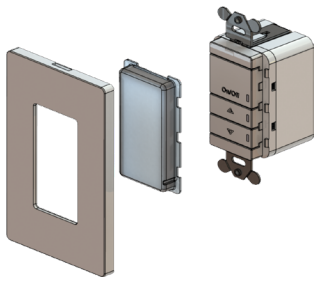
Accessories	
RPODBA MOUNTRING	Replacement mounting ring for rPODBA and rPODB switches
SSW 1GNG WH	Sealed screwless wall plate to prevent liquid intrusion, white
SSW 1GNG IV	Sealed screwless wall plate to prevent liquid intrusion, ivory
SSW 1GNG RD	Sealed screwless wall plate to prevent liquid intrusion, red

1. Available only for variety pack.
2. Not available for SSW series.
3. Single units only available for SSW series.

WALL SWITCH CLEANING

It will occasionally be necessary to clean the wall switches. All rPODBA switches may be wiped down with a soft cloth or paper towel dampened with glass cleaner, vinegar and water, hydrogen peroxide, or a mild abrasive. Spray a limited amount on the cloth or paper towel prior to applying. Do not spray cleaner on the switches directly, and do not wipe the switches down with a towel saturated (drips when wrung out) with cleaner.

If the ability to clean the switches using chemical spray disinfectants is desired, we recommend the use of the Sealed Screwless Wall Plate (SSW). The Sealed Screwless Wall Plate is a cover for the standard wall plate, designed with an IP54 rating. It consists of a transparent silicone rubber layer that covers the wall switch to prevent liquids from entering the wall switch while maintaining a tactile button feel. The Sealed Screwless Wall Plate is the ideal solution to prevent liquids from entering the wall switch while maintaining a tactile button feel. The Sealed Screwless Wall Plate is the ideal solution to help protect a wall switch from fluid entering the device while enabling the use of disinfectants recommended by the EPA for use against SARS-CoV-2, the coronavirus that causes COVID-19, which often require spraying or saturating the surface.

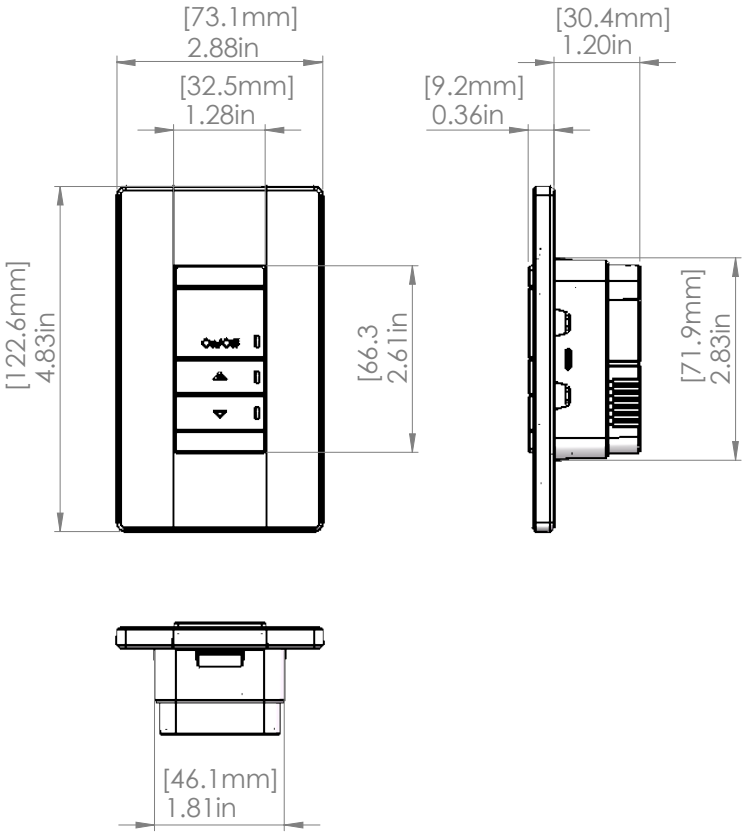


For more information on the Sealed Screwless Wall Plates

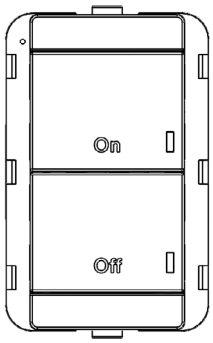
SPECIFICATIONS

Dimensions	WallPod (including wall plate): 4.83" H x 2.88" W x 1.56" D (122.6mm x 73.1mm x 39.6mm) WallPod (without wall plate): 2.61" H x 1.28" W x 1.56" D (66.3mm x 32.5mm x 39.6mm)
Weight	4.25 oz
Mounting	Single Gang Switch Box or Low Voltage Ring
Color	White, Ivory, Lt. Almond, Gray, Red, Black
Operating Temperature	-40°C to 60°C (indoor use only)
Relative Humidity	Standard: 20 to 75% non-condensing
Radio Frequency	Dual Radio: 900Mhz & 2.4GHz
RF Transmit Power	900Mhz: +20dBm; 2.4GHz: Variable
Wireless Standard	900MHz: IEEE 802.15.4-based 2.4GHz: Version 4.0+ of the Bluetooth specification
Wireless Range	900MHz: Up to 1,000 ft. (~304m) in free space/ line of sight Minimum of 150 ft through typical construction 2.4GHz: Up to 60 ft. (~18m) in free space/ line of sight
Security	Application Data Encryption: AES-128 bit Mutual Entity Authentication Message Confidentiality Message Authentication and Replay Prevention Limited Anonymity Complies with California Civil Code Title 1.81.26, Security of Connected Devices, approved under Senate Bill No. 327 (2018)
Regulatory Compliance	FCC ID: 2ADCB-RMODIT3 RoHS IC: 6715C-RMODIT3 IFETEL: RCPNLNL20-2057 UL 916 (E110912)
Battery Type	3 AAA lithium (included)
Battery Life	10 years (with lithium batteries)
Programming Tool	CL**AIR**ITY™+ mobile app

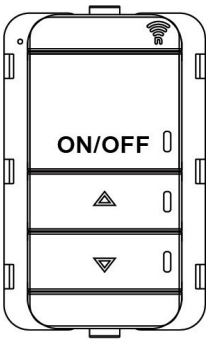
DIMENSIONS



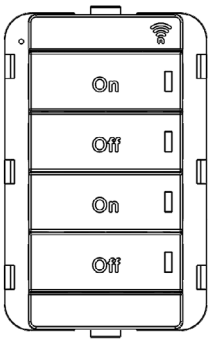
DEFAULT LABELING



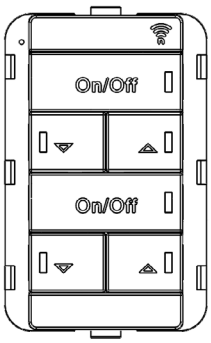
rPODBA



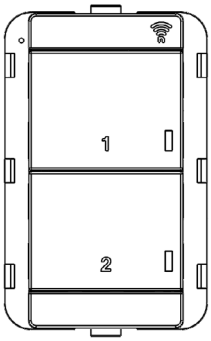
rPODBA DX



rPODBA 2P



rPODBA 2P DX



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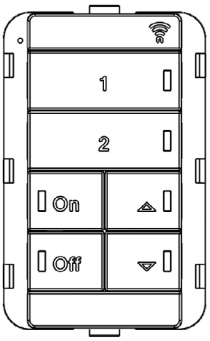

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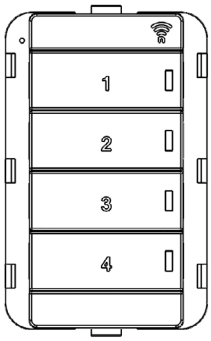

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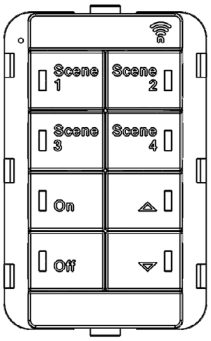


rPODBA 4S DX

INSTALLATION OVERVIEW

Installation of the rPODBA is simple, wire free, and does not require special tools. Follow the instructions below to install the rPODBA wall switch.

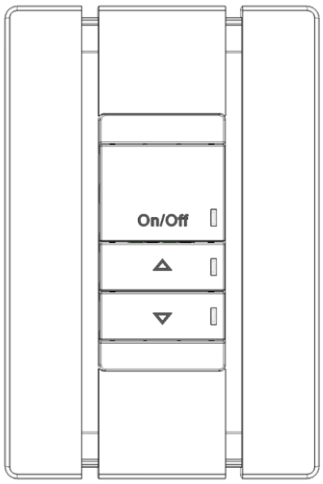
OUT-OF-THE-BOX DECORA WALL PLATE

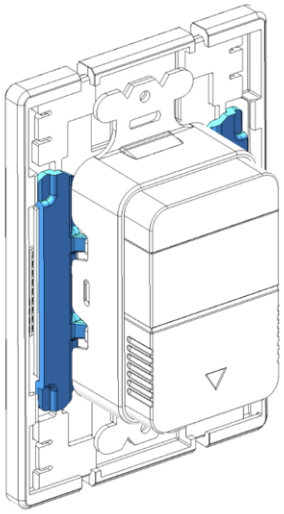
- Remove the wall plate from the device by pulling the sides out to expand the wall plate and release it from the mounting flanges.
- Connect the unit to the gang box
  - The unit will connect to the gang box by screws, one at the top and one at the bottom
  - To ensure correct wall plate installation, drive the screws until the mounting flanges contact the wall surface. If the screws are overdriven, the mounting flanges will disengage, preventing wall plate installation. If this happens, reattach the mounting flange(s) and install to correct position. (The flanges may be reattached by inserting the two tabs in the side of the unit and pushing the part inward to engage the three snaps.)
- Reattach the wall plate
  - Expand the wall plate horizontally
  - Place the wall plate onto the unit
  - Contract the horizontally expanded wall plate onto the unit such that the side flange features seat inside the wall plate
- No wiring needed

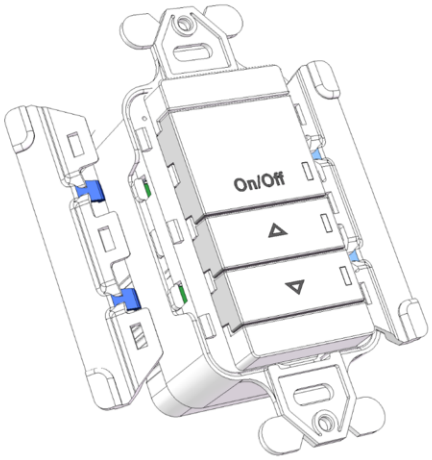
OFF-THE-SHELF DECORA WALL PLATE

When installing the unit with standard off-the-shelf decora wall plates, the following steps should be followed.

- Remove the Acuity wall plate from the device by pulling the sides out to expand the wall plate and releasing it from the mounting flanges.







- Unhook and remove the side flanges from the device
- Connect the unit to the gang box
  - The unit will connect to the gang box by screws, one at the top and one at the bottom
- Attach the wall plate

3. TERMS & CONDITIONS

A. Performance Guarantees

1. Utility Savings Guarantee

   a) Integrity Energy Services guarantees that project implementation as detailed in this Energy Services Proposal will result in utility savings outlined in the Savings Summary Table "C" in Section 4 during the Measurement & Verification (M&V) period starting on the date of Notice of Commencement of Energy Savings.

   b) This annual guarantee will remain in effect for each consecutive year over the term of the Measurement & Verification agreement as indicated in Table "E" in Section 4. The details of the M&V plan are outlined in that table.

   c) In the event that the verified energy savings fall short of the guarantee, IES shall implement one or more of the following options:

      i. Take action to re-align necessary systems and equipment to meet guaranteed performance.

      ii. Pay the Client the amount of the shortfall for that year, based on the dollars as calculated in the guarantee.

2. Equipment Performance Guarantee

   a) Integrity Energy Services guarantees the equipment will perform per the Measurement & Verification Plan Table "E" during the Measurement & Verification (M&V) period starting on the date the client agency accepts the Notice of Commencement of Energy Savings.

   b) This annual guarantee will remain in effect for each consecutive year over the term of the Measurement & Verification agreement as indicated in Table "E" in Section 4. The details of the M&V plan are outlined in that table.

   c) In the event that the verified energy savings fall short of the guarantee, IES shall implement one or more of the following options:

      i. Take action to re-align necessary systems and equipment to meet guaranteed performance.

      ii. Pay the Client the amount of the shortfall for that year, based on the dollars as calculated in the guarantee.

~~3. Standards of Comfort~~

~~The project shall be designed to provide the following standards of comfort. These standards have been incorporated into the energy usage calculations and may affect the actual energy consumption of the project if changed. The Client agrees to maintain these conditions in order to realize the guaranteed energy savings unless modified by the Client and DES Energy Program.~~

~~Indoor Temperatures, occupied:~~

- ~~Winter Minimum - 70 degrees F~~
- ~~Winter Maximum - 74 degrees F~~
- ~~Summer Minimum - 72 degrees F (where mechanical cooling systems are employed)~~
- ~~Summer Maximum - 78 degrees F (where mechanical cooling systems are employed)~~

~~Indoor Temperatures, unoccupied:~~

- ~~Minimum - 55 degrees F~~
- ~~Maximum - 85 degrees F (where mechanical cooling systems are employed)~~

~~Relative Humidity (If humidity control provided)~~

- ~~Minimum - 40%~~
- ~~Maximum - 60%~~

~~Minimum outside air per occupant shall be in accordance with American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE) standards and Chapter 4 of the International Mechanical Code, as adopted by the Washington Building Code Council.~~

Illumination Levels:

- Illumination levels shall be as recommended by the Illuminating Engineer's Society of North America (IESNA). Design calculations shall be made for each space, using an 80% lamp depreciation/maintenance factor.
- Average illumination levels shall be checked in each space after 100 operating hours.
- Average illumination shall not be less than 12.5% above the design level.
- For primary and secondary schools, illumination will also meet 1997 WAC 246-366-120 lighting requirements.

B. Measurement & Verification Plan

Integrity Energy Services utilizes the International Performance Measurement and Verification Protocol to guide the project specific measurement and verification plan. IES worked with the Client and DES Energy Program during the Investment Grade Audit to determine the level of measurement and verification required for the project.

The intent of the measurement and verification plan is to document that the guaranteed energy savings are achieved. The savings guarantee is based upon the total project savings,

not the individual Energy Efficiency Measure savings. Savings cannot be directly measured, since they represent the absence of energy use. Instead, savings are determined by comparing measured use before and after implementation of the project, making appropriate adjustments for changes in conditions as outlined in the M&V plan.

Each Energy Efficiency Measure within the project will identify the Key Performance Measurements (KPMs) that dictate the equipment and/or system energy usage. A boundary will be "drawn" around the studied equipment and/or system to identify parameters that directly affect energy consumption. Once identified, these KPMs will be directly measured or estimated. Table "E" in Section 4 outlines the Key Performance Measurements (KPMs) that dictate the project energy usage. In addition to the KPMs, the M&V plan will dictate the length of time that each KPM will be measured. Each KPM has a "Baseline" and "Proposed" operating condition or value. These values are the basis of the energy savings calculations and used to confirm that the guaranteed energy savings have been achieved.

Baseline operating conditions are based on the existing equipment and/or system operating parameters. The Baseline KPMs are based on field observations, measured data, Client provided information or agreed upon conditions. The Baseline KPMs are utilized in calculating the existing energy usage of the system. In some instances, a "Modified Baseline" may be required. A Modified Baseline is required when the existing equipment and/or system does not meet current code requirements that directly increase the energy consumption of a system. An example of such an instance would be an air conditioning unit that is currently utilizing half of the code required ventilation air. Modifications to the unit would require increasing the ventilation air to the new code requirements, thus increasing the unit's energy consumption. The Modified Baseline would characterize the existing unit operation and then increase the ventilation air to code requirements. This higher energy usage will now be the value that is compared against when calculating savings.

Proposed operating conditions are the operating characteristics of the proposed equipment and/or system operating parameters. The Proposed KPMs are based on field observations, measured data, Client provided information or agreed upon conditions. These KPMs are gathered during the startup and commissioning phase of the project and documented as part of the first M&V report. It is critical that the Client and DES Energy Program understand these KPMs and how they affect the energy usage of the equipment and/or systems. Energy savings are based upon the Client maintaining these parameters. If the Client is unable to maintain these KPMs, they shall notify Integrity Energy Services immediately.

C. Utility Rates

The utility rates used in the financial analysis are based upon those in place at the time of the Investment Grade Audit.

D. ESCO Services Provided

1. Energy Audit: The Investment Grade Audit is complete and is attached in Exhibit 1.

2. Provide an Energy Star rating of the facility and enter 12 months of utility data into the Energy Star Portfolio Manager.
3. Operation and Maintenance Measures: See Table “I” in Section 4.
4. Design Services: Provide a detailed engineering design as needed to obtain Client and DES Energy Program review and approval of the proposed system, and obtain competitive bids. Provide construction support services, start-up, and testing. Provide as-built drawings in AutoCAD format and relevant O&M manuals. The nature and extent of the design that IES anticipates it will receive from other firms under subcontract is outlined in the Subconsultant & Subcontractor Matrix Table “G” in Section 4.
5. Construction: Provide, or cause to be provided, all material, labor, and equipment, including paying for permits, fees, bonds, and insurance, required for the complete and working installation of IES provided equipment.
    a) IES may perform portions of the construction work, or may subcontract portions to qualified firms. The nature and extent of the work and equipment that IES anticipates it will receive from other contractors under subcontract is outlined in the Subconsultant & Subcontractor Matrix Table “G” in Section 4. In either case, IES will provide all information regarding actual costs of the work with the Client and DES Energy Program.
    b) When IES has completed the installation of the Equipment, including start-up and operation verification and training in accordance with the Proposal, IES shall provide to the Client and DES Energy Program a "Notice of Commencement of Energy Savings" which initiates the energy savings.
    c) At the conclusion of the last phase of the project, IES shall submit a "Notice of Substantial Completion" to the Client and DES Energy Program.
6. Construction Management: Provide construction management services to coordinate and supervise the work. The Client is expected to coordinate day-to-day communications with occupants and any scheduling of occupant relocations in and around occupied areas, if necessary.
7. Operation training: IES will provide:
    a) On-going training of building staff during construction.
    b) Owner training is provided both during the construction phase and the start-up phase, as appropriate, to provide the Client with the optimum hands-on experience prior to taking ownership of the systems. The proposed hours of training are indicated in the Preliminary Project Schedule “H” in Section 4.
    c) Site-specific operations and maintenance manuals.
    d) Site-specific as-built drawings.

8. Equipment Maintenance: IES will provide no equipment maintenance. Following the completion of the installation and Client and DES Energy Program acceptance of the Equipment, the Client shall provide all necessary equipment manufacture recommended service, adjustments and maintenance, to the Equipment so that the Equipment will perform in the manner and to the extent set forth in the Proposal. IES shall have no obligation to service or maintain the Equipment after Completion and Acceptance unless IES and the Client have entered into a separate maintenance agreement.

9. Warranty: IES shall have the following warranty responsibilities as outlined in Section 5.24 of the Washington State ESPC General Conditions:

   a) Obtain warranties: Obtain all warranties that would be given in normal commercial practice;

   b) Warranties for benefit of Owner: Require all warranties to be executed, in writing, for the benefit of Owner;

   c) Enforcement of warranties: Enforce all warranties for the benefit of Owner, if directed by Owner; and

   d) ESCO responsibility for Subcontractor warranties: Be responsible to enforce any Subcontractor's, manufacturer's, or supplier's warranties should they extend beyond the period specified in the Contract Documents.

   Equipment warranties shall be a minimum of one year. IES will endeavor to obtain an extended warranty or service agreement on the provided equipment and systems unless this additional cost causes the Maximum Project Amount to be exceeded.

10. Hazardous Waste: Disposal of waste materials shall conform to Section 5.20 of the Washington State ESPC General Conditions, included here for reference.

    " 5.20 DISPOSAL OF WASTE MATERIALS

    ESCO is responsible for disposal of hazardous materials generated by ESCO: Ordinary hazardous materials generated by the ESCO in pursuing the Work, such as used motor oils, lubricants, cleaners, etc. shall be disposed of according to the Contract Documents and according to local, State and Federal law.

    If during the course of the Work, ESCO unexpectedly encounters materials that it believes may be hazardous material, it shall immediately stop work on this activity and notify Owner. And, to the extent ESCO believes the encounter may entitle it to an adjustment in the Contract Time or Contract Sum, shall provide timely notice thereof in accordance with Part 7.03 Change in the Contract Sum and Part 7.04 Change in the Contract Time.

    Owner is solely responsible for and will retain title to all hazardous material that is on the Project Site as of the ESCO Construction Contract Notice to Proceed date and encountered during demolition, removal and excavation. Owner will be identified as the hazardous waste generator

and will sign all hazardous waste shipment manifests for non-ESCO generated hazardous wastes. Owner shall agree and acknowledge that it has not relied upon or employed ESCO to analyze or identify the presence of any hazardous substance on the Owner's premises. Nothing contained within the Contract Documents shall be construed or interpreted as requiring ESCO to assume the status of Owner of generator of hazardous wastes for non-ESCO generated hazardous wastes."

E. Project Costs Summary

The Client shall pay IES the Contract Sum for performance of the Work, in accordance with the Contract Documents. The Contract Sum shall be determined using the Open Book Pricing.

IES shall provide a Schedule of Values (Exhibit 2) at the conclusion of the construction bid phase. At a minimum, the schedule shall identify the costs of subcontractors, IES labor, direct purchase costs, bonds and insurance, start-up and commissioning expenses.

Items listed below are included in the Guaranteed Maximum Project Costs:

1. Development of the Investment Grade Audit Report and Energy Services Proposal.
2. Engineering design.
3. Construction management and construction supervision services.
4. Installation of IES Equipment including the following costs:
    a) The term Cost of the Work shall mean costs necessarily incurred in the proper performance of the work and paid by IES. Such costs shall be at prevailing wage rates in the locality of the Work.
    b) Cost of all materials, supplies, and equipment incorporated in the Work, including costs of transportation thereof.
    c) Payments made by IES to Subcontractors for Work performed pursuant to Subcontractors under this Agreement.
    d) Cost, including transportation and maintenance, of all materials, supplies, equipment, temporary facilities and job specific hand tools not owned by the workers.
    e) Rental charges of all necessary machinery and equipment, exclusive of hand tools, used at the site of the Work; whether rented from IES or others, including installation, minor repairs and replacements, dismantling, removal, transportation and delivery costs thereof; at rental charges consistent with those prevailing in the area.
    f) Cost of premiums for all bonds and insurance, which IES is required to purchase and maintain.

g) All taxes imposed by law and properly chargeable to the Project, including Washington state sales tax.

h) Permit fees, royalties, and deposits.

i) Cost of removal of all debris including disposal costs.

j) Cost of hazardous material removal and disposal if required as described above.

k) Other costs incurred in the performance of the Work if and to the extent approved in advance in writing by the Client and DES Energy Program.

l) The cost of construction financing, when applicable.

m) Cost of equipment startup, commissioning, and balancing performed by IES.

5. Payment and Performance Bond. The Bond shall specifically exclude coverage for those portions of the Energy Services Agreement and/or Energy Services Agreement Addendum pertaining to design services, energy savings guarantee, maintenance guarantee, utility incentives, efficiency guarantees, and any other clauses which do not relate specifically to construction management and supervision of work for purchasing and installing of ESCO Equipment, or for work to be accomplished by the Owner.

6. Start-up and training services.

7. Measurement and Verification services.

8. Permanent monitoring equipment to be installed on site.

F. IES Compensation

1. Progress Payments

a) Subject to review and approval by the Client and DES Energy Program, the Client may agree to progress payments for project costs to IES.

b) Monthly progress payments shall be based upon the total project value, plus Washington State Sales Tax, minus 5% retention. Payments will be as agreed upon by IES, the Client, and DES Energy Program.

c) Retention will be released within 45 days after receipt of all lien releases, L&I, Revenue and Employment Security certificates and releases by the Client. Use of contingency funds will increase progress payments accordingly. A retention bond may be provided (at IES expense) in place of the 5% retainage requirement if approved by Client and DES Energy Program.

2. Termination

d) Upon commencement of energy savings, the Client and DES Energy Program may at any time terminate this Agreement.

e) Any termination shall fully and finally terminate and extinguish all of the Client's rights and all IES obligations under this agreement.

G. Financing

The Client may elect IES to finance some or all of the project costs.

H. Energy Services Agreement

1. The term of the Energy Services Agreement shall be the number of years that Measurement & Verification is contracted.
2. The termination value for each year of the term is outlined in Table “E” in Section 4.

4. TABLES & SCHEDULES

Integrity Energy Services

Customer: City of Redmond

Project: City Hall Lighting

Date: 2/28/2025

Financial Summary - Table "A"

			Project Budget Cost											ANNUAL Savings				
EEM#	Measure Description[3]	Project Budget ($)	Construction Budget ($)	Bond 1.8%	Audit $ 14,250	Design 5%	Design $	Proj Mgmt 6%	OH&P 18%	Contingency 5%	M&V $	Sales Tax 10.30%	DES Fee $	Equipment Maintenance	Total Utility Savings[1] $	Estimated Rebate $	Owner Budget[2] $	Simple Payback
EEM1D	LED Troffer Kits & Local Lighting Control Upgrades	$ 764,062	$ 472,249	$ 8,500	$ 14,250	5%	$ 24,037	$ 28,335	$ 85,005	$ 23,612	$ 2,000	$ 67,773	$ 38,300	$ 3,271	$ 18,912	$ 108,717	$ 655,345	24.6

Notes: 1. Total Utility Savings are calculated based upon the unit savings multiplied by the current utility rates.

2. Owner Budget is the Project Budget minus estimated rebates.

Integrity Energy Services

Client: City of Redmond

Date: 2/28/2025

Project: City Hall Lighting

Budget Summary

A. CONSTRUCTION COSTS			Major Equip	Mechanical	Electrical	Controls	Cx / TAB	Other	Total
EEM1D	LED Troffer Kits & Local Lighting Control Upgrades		$0	$0	$472,249	$0	$0	$0	$472,249
Subtotal Labor and Materials Cost									$472,249
	Construction Bond	1.8%							$8,500
TOTAL CONSTRUCTION COST									$480,749
B. ESCO FEES									
	Audit Fee		$14,250						$14,250
	Design	5.0%	$24,037						$24,037
	Project Management	6.0%	$28,335						$28,335
	Overhead	10.0%	$47,225						$47,225
	Profit	8.0%	$37,780						$37,780
TOTAL ESCO FEES									$151,627
C. OTHER COSTS									
	Project Contingency	5.0%	$23,612						$23,612
	ESCO M&V Cost - Year 1		$2,000						$2,000
TOTAL OTHER COSTS									$25,612
D. TOTAL GUARANTEED CONSTRUCTION & ESCO SERVICES (GMAX)									$657,988
E. NON-GUARANTEED COSTS									
	Sales Tax	10.30%							$67,773
	DES Energy Program Fee								$38,300
TOTAL NON GUARANTEED COSTS									$106,073
F. TOTAL PROJECT COST									$764,062

Integrity Energy Services

Customer: City of Redmond

Project: City Hall Lighting

Date: 2/28/2025

Proposed EEM Savings Summary - Table "C"

			Annual Savings												
EEM#	Brief Measure Description	Guarantee Multiplier	Electrical **				Gas ***		Water & Sewer **				Equip Maint	Total Utility Savings ($)	Estimated Rebates
			kW	$ *	kWh	$ *	Therms	$ *	Water CCF	$ *	Sewer CCF	$ *			
EEM1D	LED Troffer Kits & Local Lighting Control	95%	512	$ 5,664	147,927	$ 12,303	-	$ -	0	$ -	0	$ -	$ 3,271	$ 17,967	$ 108,717
Total Project			**512**	**$ 5,664**	**147,927**	**$ 12,303**	**-**	**$ -**	**-**	**$ -**	**-**	**$ -**	**$ 3,271**	**$ 17,967**	**$ 108,717**

Notes: * Utility savings ($) are calculated based upon the guaranteed unit savings multiplied by the utility rates from Table F.

** Annual savings (units and $) are the values after the indicated guarantee multiplier has been applied.

Integrity Energy Services

Customer: City of Redmond
Project: City Hall Lighting

Date: 2/28/2025

Measurement and Verification Plan - Table "E"

EEM#	IPMVP[2] Option	KPM	Baseline Monitoring	Baseline Monitoring Term	Proposed Value[1]	Proposed Monitoring Term	M&V Term
EEM1D: LED Troffer Kits & Local Lighting Control	A	Fixture Wattage	See Lighting Audit	See Lighting Audit	See Lighting Audit	Sample 5% of each fixture type	1 year
	A	Operating Hours Per Year	See Lighting Audit	See Lighting Audit	See Lighting Audit	Sample 5% of each fixture type	1 year

Note 1: Values are calculated savings prior to the guarantee multiplier being applied.

Integrity Energy Services

Customer: City of Redmond

Date: 2/28/2025

Project: City Hall Lighting

Baseline Utility Rate - Table "F"

Utility Provider	Service	Units	Cost per Unit
Puget Sound Energy	Electrical	kWh	$0.08317
Puget Sound Energy	Electrical	kW	$11.06500

Note 1: The Base Utility Rates do not change over the contract period unless otherwise specified.

Integrity Energy Services

Customer: City of Redmond

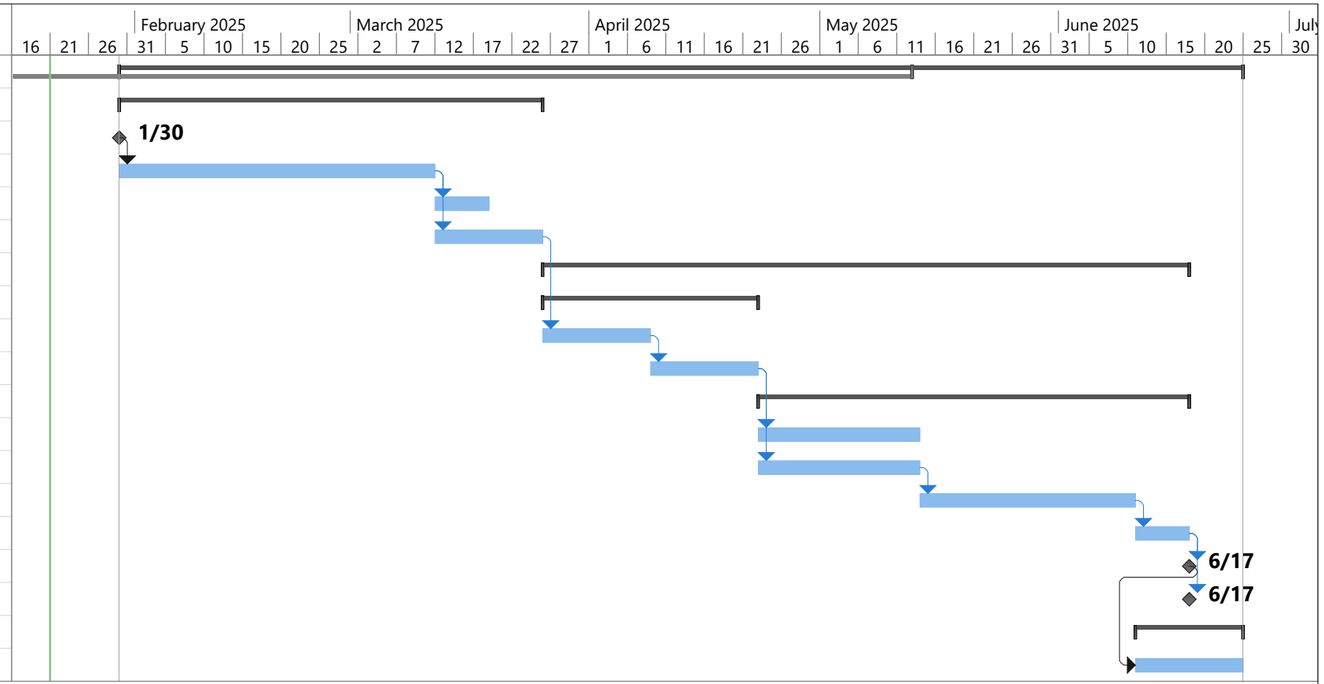
Date: 2/28/2025

Project: City Hall Lighting

Subconsultant & Subcontractor Matrix - Table "G"

Work Type	Firm	Extent of Work	Notes
Energy Audit	Integrity Energy Services	Full	
Lighting Design	NW Edison	Full	
Lighting Install	NW Edison	Full	
Commissioning	Integrity Energy Services	Full	
Measurement & Verification	Integrity Energy Services	Full	

ID	Task Name	Duration	Start	Finish
1	**Redmond City Hall Lighting**	**104 days**	**Thu 1/30/25**	**Tue 6/24/25**
2	**Contract Administration**	**39 days**	**Thu 1/30/25**	**Tue 3/25/25**
3	Submit CBPS Grant Application	0 days	Thu 1/30/25	Thu 1/30/25
4	Grant Application Review & Negotiation (if awarded)	29 days	Thu 1/30/25	Tue 3/11/25
5	Execute Grant Contract	1 wk	Wed 3/12/25	Tue 3/18/25
6	Execute ESCO Contract	2 wks	Wed 3/12/25	Tue 3/25/25
7	**Implementation**	**60 days**	**Wed 3/26/25**	**Tue 6/17/25**
8	**Design**	**20 days**	**Wed 3/26/25**	**Tue 4/22/25**
9	Final System Design/Submittals	2 wks	Wed 3/26/25	Tue 4/8/25
10	City/DES Design/Submittal Review	2 wks	Wed 4/9/25	Tue 4/22/25
11	**Procurement & Construction**	**40 days**	**Wed 4/23/25**	**Tue 6/17/25**
12	Secure Permit (Electrical)	3 wks	Wed 4/23/25	Tue 5/13/25
13	Order & Deliver Material	3 wks	Wed 4/23/25	Tue 5/13/25
14	Lighting Installation	4 wks	Wed 5/14/25	Tue 6/10/25
15	System Testing & Commissioning	1 wk	Wed 6/11/25	Tue 6/17/25
16	Substantial Completion	0 days	Tue 6/17/25	Tue 6/17/25
17	Notice of Commencement of Energy Savings	0 days	Tue 6/17/25	Tue 6/17/25
18	**Closeout**	**10 days**	**Wed 6/11/25**	**Tue 6/24/25**
19	Closeout Package	2 wks	Wed 6/11/25	Tue 6/24/25



Project: Redmond City Hall Lighting
Date: Tue 1/20/25

Task	Inactive Task	Manual Summary Rollup	External Milestone	Progress
Split	Inactive Milestone	Manual Summary	Deadline	Manual Progress
Milestone	Inactive Summary	Start-only	Baseline	
Summary	Manual Task	Finish-only	Baseline Milestone	
Project Summary	Duration-only	External Tasks	Baseline Summary	

Integrity Energy Services

Schedule Of Values - Professional Services

ITEM NO.	SCHEDULE OF VALUES DETAIL		ESTIMATED VALUE
1	Audit		$14,250
2	Design		$24,037
3	Construction Management		$28,335
4	Overhead		$47,225
5	Profit		$37,780
		SUBTOTAL	$151,627
TAX	**10.30%**	SALES TAX	$15,618
		TOTAL	$167,245

Integrity Energy Services

Schedule Of Values - Construction

ITEM NO.	SCHEDULE OF VALUES DETAIL		ESTIMATED VALUE
EEM1D	LED Troffer Kits & Local Lighting Control Upgrades		$472,249
	Construction Bond		$8,500
		SUBTOTAL	$480,749
TAX	**10.30%**	SALES TAX	$49,517
		TOTAL	$530,266

Integrity Energy Services

Schedule Of Values - Measurement & Verification

ITEM NO.	SCHEDULE OF VALUES DETAIL		ESTIMATED VALUE
1	ESCO M&V Cost - Year 1		2,000
		SUBTOTAL	$2,000
TAX	**10.30%**	SALES TAX	$206
		TOTAL	$2,206

Greenhouse Gas Emission Reductions

Energy Saving Performance Contracting Projects
by the Department of Enterprise Services, State of Washington

DES ENERGY PROGRAM

Environmental Impact/Emissions Reductions Associated with Energy Efficiency Improvements or Renewable Electricity Production

INPUT

Annual Electrical Savings	147,927	kWh	8875.641
Annual Natural Gas Savings	0	Therms	
Annual Fuel Oil Savings		Gallons	
Annual Propane Savings		Gallons	

Air Pollutants and Emission Factors

Electricity Generation (lbs. per kWh)

	CO_2	SO_2	Nox	Hg	
State Level Electricity Emission Factor	0.9	0.000708	0.003176	2.25E-08	Source: NWPCC Report dated June 13, 2008
					Marginal CO2 Prod.Rates - NW Power Sys.

Heating Fuels (lbs. per MBTU)	CO_2	SO_2	Nox	Particulate	VOCs	
Gas	117	0.0006	0.09	0.01	0.007	
Fuel Oil	167	0.65	0.15	0.02	0.006	
Wood	130	0.01	0.08	0.8	0.78	
Propane	139	0.006	0.15			Source: EERE Website

Output

Reduction in CO_2 (lbs. CO_2)	**133,135**	pounds	or	**66.6**	tons
Reduction in SO_2 (lbs. SO_2)	**104.73**	pounds		**0.1**	tons
Reduction in NOx (lbs. NOx)	**469.82**	pounds		**0.2**	tons
Reduction in Hg (lbs. Hg)	**0.00333**	pounds		**0.0**	tons

The CO_2 numbers above represent:

An average car emits 15,000 lbs of CO_2 per year	**removing**	**9**	**cars from the road**
Planting an acre of trees consumes 7,333 lbs of CO_2 per yr.	**or planting**	**18**	**acres of trees**
Number of homes heated in Natural Gas (816 therms a year for the average home)		**0**	
Heating of homes in electricity (13,500 kWh a year for the average home)		**11**	

Line	Location	Area	Interior / Exterior	Floor	Space	Audit ID No.	Usage Type	EX Hours	EX Code	EX Qty	EX Desc	Lamps/Fix	EX Watts/ Lamp	EX Input Watts	PR Code	PR Qty	PR Desc	PR Lamp Qty	PR Watts/ Lamp	PR Input Watts	Sensor Type	Sensor Qty	PowPack Type	PowPack Qty	Switch Type	Switch Qty	Sensor Saving %	High End Trim Setting	PR Hours	Existing kw	Proposed kw	Existing kWh / Year	Proposed kwH / Year	Annual Energy Saved	kWh $ Savings	kW $ Savings	Total Energy $ Savings	EX MX Cost	PR MX Cost	MX Savings	Total Line Rebate	% saved
1	Redmond	1st floor		1	RRM	192	Restroom (multiple)	3,570	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2					15%	70%	3,035	0.11	0.04	386	123	262	$22	$8	$30	$4	$0	$4	$131.18	62.41%
2	Redmond	1st floor		1	RRM	193	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
3	Redmond	1st floor		1	RRW	195	Restroom (multiple)	3,570	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2					15%	70%	3,035	0.11	0.04	386	123	262	$22	$8	$30	$4	$0	$4	$131.18	62.41%
4	Redmond	1st floor		1	RRW	196	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
5	Redmond	1st floor		1	RR Hall	194	Hallway	4,335	EPLED11-CAN6V	6	Existing LED-11W-1 || in Recessed || Can-5.5"-4 pin-Vertical-*	1	11	11	LAI	6	Leave existing fixture as is	1	11	11								100%	4,335	0.07	0.07	286	286	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
6	Redmond	1st floor		1	RR Hall	197	Exit Signs	8,760	EXLED	1	Existing LED Exit Sign	2	3	6	LAI	1	Leave existing fixture as is	2	3	6								100%	8,760	0.01	0.01	53	53	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
7	Redmond	1st floor		1	Counsel conference	198	Conferenc e/Meeting	2,550	EPT4232N	5	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	5	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	5			5KEYL	2	25%	70%	1,913	0.27	0.10	689	194	494	$41	$20	$61	$8	$0	$8	$497.19	62.41%
8	Redmond	1st floor		1	Counsel conference	199	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
9	Redmond	1st floor		1	CH132 conference	200	Conferenc e/Meeting	1,913	ETRLED14-75	4	Existing LEDFixture-75w-1 || in Recessed || Troffer Volumetric-1x4-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	75	75	LAI	4	Leave existing fixture as is	1	75	75	AC						100%	1,913	0.30	0.30	574	574	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
10	Redmond	1st floor		1	CH135 conference	201	Conferenc e/Meeting	1,913	ETRLED14-75	4	Existing LEDFixture-75w-1 || in Recessed || Troffer Volumetric-1x4-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	75	75	LAI	4	Leave existing fixture as is	1	75	75	AC						100%	1,913	0.30	0.30	574	574	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
11	Redmond	1st floor		1	CH130 conference	202	Conferenc e/Meeting	1,913	ESCLED2-40	5	Existing LEDFixture-40w-2 || in Surface || Sconce-6"-LED Fixture (No lamp holder)-LED (no lamp holder)-*	2	40	80	LAI	5	Leave existing fixture as is	2	40	80	AC						100%	1,913	0.40	0.40	765	765	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
12	Redmond	1st floor		1	CH130 conference	229	Conferenc e/Meeting	1,913	ELED15-CAN6	5	Existing LEDFixture-15w-1 || in Recessed || Can-5.5"-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	15	15	LAI	5	Leave existing fixture as is	1	15	15	AC						100%	1,913	0.08	0.08	143	143	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
13	Redmond	1st floor		1	CH129 conference	203	Conferenc e/Meeting	1,913	ETRLED14-75	2	Existing LEDFixture-75w-1 || in Recessed || Troffer Volumetric-1x4-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	75	75	LAI	2	Leave existing fixture as is	1	75	75	AC						100%	1,913	0.15	0.15	287	287	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
14	Redmond	1st floor		1	CH128 conference	204	Conferenc e/Meeting	1,913	ETRLED14-75	2	Existing LEDFixture-75w-1 || in Recessed || Troffer Volumetric-1x4-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	75	75	LAI	2	Leave existing fixture as is	1	75	75	AC						100%	1,913	0.15	0.15	287	287	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
15	Redmond	1st floor		1	Bldg dept copy rm	205	Office (Private)	1,750	ETRLED14-75	3	Existing LEDFixture-75w-1 || in Recessed || Troffer Volumetric-1x4-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	75	75	LAI	3	Leave existing fixture as is	1	75	75	AC						100%	1,750	0.23	0.23	394	394	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%

16	Redmond	1st floor		1	Bldg dept storage	206	Storage (Active)	390	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	AC						100%	390	0.06	0.02	23	9	14	$1	$4	$5	$0	$0	$0	$8.00	60.34%
17	Redmond	1st floor		1	Slough conference	207	Conferenc e/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
18	Redmond	1st floor		1	Bldg dept office 1	208	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
19	Redmond	1st floor		1	NW electric rm	6	IT/Com/Me ch/Elec	520	ES4232N	2	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.12	0.05	60	24	36	$3	$8	$11	$1	$0	$1	$16.00	60.34%
20	Redmond	1st floor		1	Old links conference	209	Conferenc e/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
21	Redmond	1st floor		1	Old links storage	210	Storage (Active)	390	ECFLP42	1	Existing CFL Pin Based 42 watt Lamp	1	42	46	RT6-13	1	Retrofit RC LED Module 6", Set to 13w,(6.5/9/13) 1560lm, Espen, 0-10v	1	13	13	AC						100%	390	0.05	0.01	18	5	13	$1	$4	$5	$0	$0	$0	$3.86	71.74%
22	Redmond	1st floor		1	Bldg dept cube farm	211	Office (Open)	2,550	EPT4232D	49	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Dimming Ballast	2	32	70	RTK24-29N	49	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	49			5KEYL	4	25%	70%	1,913	3.43	0.99	8,747	1,902	6,844	$569	$291	$860	$187	$0	$187	$5,872.07	71.00%
23	Redmond	1st floor		1	Bldg dept cube farm	212	Always On/Night Light	8,760	EPT4232N	6	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	6	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	6					50%	70%	4,380	0.32	0.12	2,838	533	2,305	$192	$27	$219	$33	$0	$33	$1,452.38	62.41%
24	Redmond	1st floor		1	Bldg dept cube farm	213	Exit Signs	8,760	EXLED	5	Existing LED Exit Sign	2	3	6	LAI	5	Leave existing fixture as is	2	3	6							100%	8,760	0.03	0.03	263	263	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
25	Redmond	1st floor		1	Bldg dept cube farm	214	Office (Open)	2,550	ETRLED14-75	9	Existing LEDFixture-75w-1 || in Recessed || Troffer Volumetric-1x4-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	75	75	RTK24-29N	9	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	9			5KEYL	1	25%	70%	1,913	0.68	0.18	1,721	349	1,372	$114	$59	$173	$0	$0	$0	$1,135.92	72.93%
26	Redmond	1st floor		1	Bldg dept cube farm	215	Office (Open)	2,550	EDI4254H	2	Existing Direct / Indirect 4' 2L F54 T5 Lamps, HBF Ballast	2	54	120	4T5LED22D-2	2	Retrofit 2L to 4' T5HO 22w LED Type C + Dimming Driver	2	22	50								100%	2,550	0.24	0.10	612	255	357	$30	$17	$46	$6	$0	$6	$16.00	58.33%
27	Redmond	1st floor		1	NW server rm	7	IT/Com/Me ch/Elec	520	ES4232N	2	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.12	0.05	60	24	36	$3	$8	$11	$1	$0	$1	$16.00	60.34%
28	Redmond	1st floor		1	CH127 conference	216	Conferenc e/Meeting	1,913	ELED15-CAN6	26	Existing LEDFixture-15w-1 || in Recessed || Can-5.5"-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	15	15	LAI	26	Leave existing fixture as is	1	15	15	AC						100%	1,913	0.39	0.39	746	746	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
29	Redmond	1st floor		1	CH127 conference	217	Conferenc e/Meeting	1,913	ETRLED14-40	8	Existing LEDFixture-40w-1 || in Recessed || Troffer-1x4-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	40	40	LAI	8	Leave existing fixture as is	1	40	40	AC						100%	1,913	0.32	0.32	612	612	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
30	Redmond	1st floor		1	CH127 conference	218	Exit Signs	8,760	EXLED	2	Existing LED Exit Sign	2	3	6	LAI	2	Leave existing fixture as is	2	3	6							100%	8,760	0.01	0.01	105	105	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
31	Redmond	1st floor		1	Council chamber	219	Conferenc e/Meeting	1,913	ELLED30-P38	32	Existing LED-30watt-1 || in Recessed || Can-7.5"-Edison-Vertical-PAR38	1	30	30	LAI	32	Leave existing fixture as is	1	30	30	AC						100%	1,913	0.96	0.96	1,836	1,836	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
32	Redmond	1st floor		1	Council chamber	221	Exit Signs	8,760	EXLED	1	Existing LED Exit Sign	2	3	6	LAI	1	Leave existing fixture as is	2	3	6							100%	8,760	0.01	0.01	53	53	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
33	Redmond	1st floor		1	Council hall	230	Hallway	4,335	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	2			5KEYL	2	25%	70%	3,251	0.11	0.04	468	132	336	$28	$8	$36	$5	$0	$5	$268.09	62.41%

34	Redmond	1st floor		1	Council hall	231	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
35	Redmond	1st floor		1	Council hall	232	Always On/Night Light	8,760	EPLED11-CAN6V	2	Existing LED-11W-1 || in Recessed || Can-5.5"-4 pin-Vertical-*	1	11	11	LAI	2	Leave existing fixture as is	1	11	11								100%	8,760	0.02	0.02	193	193	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
36	Redmond	1st floor		1	Council hall	233	Exit Signs	8,760	EXLED	1	Existing LED Exit Sign	2	3	6	LAI	1	Leave existing fixture as is	2	3	6								100%	8,760	0.01	0.01	53	53	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
37	Redmond	1st floor		1	Council conference	234	Conference/Meeting	2,550	EPT4232N	3	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	3			5KEYL	1	25%	70%	1,913	0.16	0.06	413	116	297	$25	$12	$37	$5	$0	$5	$298.31	62.41%
38	Redmond	1st floor		1	Council RRU	235	Restroom (single)	1,365	EVAN2217N	1	Existing Vanity Fixture 2' 2L F17 T8 Lamps, NBF Ballast	2	17	33	2TLED8C-2	1	Retrofit 2L to 2' TLED type C Dimmable - 8w -(1) Dimming Driver	2	8	20	AC							100%	1,365	0.03	0.02	45	27	18	$1	$2	$3	$1	$0	$1	$8.00	39.39%
39	Redmond	1st floor		1	Council RRU	236	Restroom (single)	1,365	EPLED11-CAN6V	1	Existing LED-11W-1 || in Recessed || Can-5.5"-4 pin-Vertical-*	1	11	11	LAI	1	Leave existing fixture as is	1	11	11	AC							100%	1,365	0.01	0.01	15	15	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
40	Redmond	1st floor		1	Council storage	237	Storage (Active)	520	ECFLP42	1	Existing CFL Pin Based 42 watt Lamp	1	42	46	RT6-13	1	Retrofit RC LED Module 6", Set to 13w,(6.5/9/13) 1560lm, Espen, 0-10v	1	13	13	WSD	1					25%	100%	390	0.05	0.01	24	5	19	$2	$4	$6	$0	$0	$0	$0.00	71.74%
41	Redmond	1st floor		1	Council TV Rm	238	IT/Com/Mech/Elec	520	ECFLP42	2	Existing CFL Pin Based 42 watt Lamp	1	42	46	RT6-13	2	Retrofit RC LED Module 6", Set to 13w,(6.5/9/13) 1560lm, Espen, 0-10v	1	13	13	WSD	1					25%	100%	390	0.09	0.03	48	10	38	$3	$8	$11	$1	$0	$1	$0.00	71.74%
42	Redmond	1st floor		1	Council TV Rm	239	IT/Com/Mech/Elec	520	ELLED10-P20	3	Existing LED-10W-1 || in Surface || Track-4"-Edison-Adjustable-PAR20	1	10	10	LAI	3	Leave existing fixture as is	1	10	10								100%	520	0.03	0.03	16	16	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
43	Redmond	1st floor		1	Customer service office 1	222	Office (Open)	1,913	EDILED12-125	1	Existing LEDFixture-125w-1 || in Suspended || D/I Linear-1x12-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	125	125	LAI	1	Leave existing fixture as is	1	125	125	AC							100%	1,913	0.13	0.13	239	239	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
44	Redmond	1st floor		1	Customer service office 2	223	Office (Open)	1,913	EDILED12-125	1	Existing LEDFixture-125w-1 || in Suspended || D/I Linear-1x12-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	125	125	LAI	1	Leave existing fixture as is	1	125	125	AC							100%	1,913	0.13	0.13	239	239	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
45	Redmond	1st floor		1	Employee janitor	276	Storage (Active)	520	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	WSD	1					25%	100%	390	0.12	0.05	60	18	42	$4	$8	$12	$1	$0	$1	$16.00	60.34%
46	Redmond	1st floor		1	Employee office	277	Office (Private)	1,750	ETRLED14-75	4	Existing LEDFixture-75w-1 || in Recessed || Troffer Volumetric-1x4-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	75	75	LAI	4	Leave existing fixture as is	1	75	75	AC							100%	1,750	0.30	0.30	525	525	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
47	Redmond	1st floor		1	Loading dock hall	273	Hallway	4,335	EPT4232N	4	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	4	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	4					25%	70%	3,251	0.22	0.08	936	264	672	$56	$16	$72	$11	$0	$11	$536.18	62.41%
48	Redmond	1st floor		1	Loading dock hall	274	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
49	Redmond	1st floor		1	Loading dock hall	275	Exit Signs	8,760	EXLED	1	Existing LED Exit Sign	2	3	6	LAI	1	Leave existing fixture as is	2	3	6								100%	8,760	0.01	0.01	53	53	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
50	Redmond	1st floor		1	CBRE office	224	Office (Private)	2,500	EPT4232N	4	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	4	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	4			5KEYL	1	15%	70%	2,125	0.22	0.08	540	173	367	$31	$16	$47	$6	$0	$6	$183.73	62.41%
51	Redmond	1st floor		1	Bike storage	225	Storage (Active)	520	EPT4232N	4	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	4TLED10C-2	4	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	WSDPDT	1					25%	100%	390	0.22	0.09	112	36	76	$6	$15	$21	$1	$0	$1	$32.00	57.41%

52	Redmond	1st floor		1	Electric storage	226	Storage (Active)	520	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	WSD	1					25%	100%	390	0.06	0.02	30	9	21	$2	$4	$6	$0	$0	$0	$8.00	60.34%
53	Redmond	1st floor		1	Loading dock storage 1	227	Storage (Active)	520	EH8432N	1	Existing Hood 1x8 Fixture 4L F32 T8 32 watt Lamps, Normal Ballast Factor	4	32	112	4TLED10C-4	1	Retrofit 4L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystones	4	10	46	WSD	1					25%	100%	390	0.11	0.05	58	18	40	$3	$8	$11	$0	$0	$0	$16.00	58.93%
54	Redmond	1st floor		1	Loading dock storage 2	228	Storage (Active)	520	EH8432N	1	Existing Hood 1x8 Fixture 4L F32 T8 32 watt Lamps, Normal Ballast Factor	4	32	112	4TLED10C-4	1	Retrofit 4L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystones	4	10	46	WSD	1					25%	100%	390	0.11	0.05	58	18	40	$3	$8	$11	$0	$0	$0	$16.00	58.93%
55	Redmond	1st floor		1	Main electric rm	14	IT/Com/Mech/Elec	520	ES4232N	3	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	3	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.17	0.07	90	36	55	$5	$13	$17	$1	$0	$1	$24.00	60.34%
56	Redmond	1st floor		1	Elevator machine rm	240	IT/Com/Mech/Elec	520	ES4232N	2	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.12	0.05	60	24	36	$3	$8	$11	$1	$0	$1	$16.00	60.34%
57	Redmond	1st floor		1	Open office 1	241	Office (Open)	2,550	EPT4232N	6	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	6	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	6			5KEYL	2	25%	70%	1,913	0.32	0.12	826	233	593	$49	$24	$74	$10	$0	$10	$596.63	62.41%
58	Redmond	1st floor		1	Open office 1	242	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
59	Redmond	1st floor		1	Open office 1	243	Exit Signs	8,760	EXLED	1	Existing LED Exit Sign	2	3	6	LAI	1	Leave existing fixture as is	2	3	6								100%	8,760	0.01	0.01	53	53	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
60	Redmond	1st floor		1	Open office storage	244	Storage (Active)	520	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.12	0.05	60	24	36	$3	$8	$11	$1	$0	$1	$18.20	60.34%
61	Redmond	1st floor		1	Open office 2	245	Office (Open)	2,550	EPT4232N	9	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	9	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	9			5KEYL	2	25%	70%	1,913	0.49	0.18	1,239	349	890	$74	$36	$110	$14	$0	$14	$894.94	62.41%
62	Redmond	1st floor		1	Open office 2	246	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
63	Redmond	1st floor		1	Open office 2	247	Exit Signs	8,760	EXLED	1	Existing LED Exit Sign	2	3	6	LAI	1	Leave existing fixture as is	2	3	6								100%	8,760	0.01	0.01	53	53	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
64	Redmond	1st floor		1	Open office storage 2	248	Storage (Active)	520	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.06	0.02	30	12	18	$2	$4	$6	$0	$0	$0	$9.10	60.34%
65	Redmond	1st floor		1	Employee section	249	Breakroom /Lounge	3,060	EPT4232N	18	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	18	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	18			5KEYL	2	40%	70%	1,836	0.97	0.37	2,974	671	2,303	$192	$72	$264	$34	$0	$34	$2,051.72	62.41%
66	Redmond	1st floor		1	Employee section	250	Always On/Night Light	8,760	EPT4232N	5	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	5	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	5					50%	70%	4,380	0.27	0.10	2,365	445	1,921	$160	$22	$182	$27	$0	$27	$1,210.32	62.41%
67	Redmond	1st floor		1	Employee section	251	Exit Signs	8,760	EXLED	6	Existing LED Exit Sign	2	3	6	LAI	6	Leave existing fixture as is	2	3	6								100%	8,760	0.04	0.04	315	315	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
68	Redmond	1st floor		1	Employee section	252	Breakroom /Lounge	3,060	EPLED11-CAN6V	8	Existing LED-11W-1 || in Recessed || Can-5.5"-4 pin-Vertical-*	1	11	11	LAI	8	Leave existing fixture as is	1	11	11	CBA	1	PP20	1			40%	100%	1,836	0.09	0.09	269	162	108	$9	$0	$9	$0	$0	$0	$0.00	0.00%
69	Redmond	1st floor		1	Employee section	253	Breakroom /Lounge	3,060	EDI4254H	4	Existing Direct / Indirect 4' 2L F54 T5 Lamps, HBF Ballast	2	54	120	4T5LED22D-2	4	Retrofit 2L to 4' T5HO 22w LED Type C + Dimming Driver	2	22	50	WCM-O	1	PP20	1			40%	100%	1,836	0.48	0.20	1,469	367	1,102	$92	$33	$125	$14	$0	$14	$32.00	58.33%

70	Redmond	1st floor		1	Sprinkler rm	254	IT/Com/Mech/Elec	520	EH8432N	1	Existing Hood 1x8 Fixture 4L F32 T8 32 watt Lamps, Normal Ballast Factor	4	32	112	4TLED10C-4	1	Retrofit 4L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystones	4	10	46								100%	520	0.11	0.05	58	24	34	$3	$8	$11	$0	$0	$0	$16.00	58.93%
71	Redmond	1st floor		1	File storage	255	Storage (Active)	390	EWLED14-40	4	Existing LEDFixture-40w-1 || in Surface || Wrap-1x4-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	40	40	LAI	4	Leave existing fixture as is	1	40	40	AC							100%	390	0.16	0.16	62	62	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
72	Redmond	1st floor		1	File storage	256	Always On/Night Light	8,760	EWLED14-40	1	Existing LEDFixture-40w-1 || in Surface || Wrap-1x4-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	40	40	LAI	1	Leave existing fixture as is	1	40	40								100%	8,760	0.04	0.04	350	350	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
73	Redmond	1st floor		1	Breakroom storage	257	Storage (Active)	520	ET4232N	3	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	3	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.17	0.07	90	36	55	$5	$13	$17	$1	$0	$1	$27.30	60.34%
74	Redmond	1st floor		1	Locker rm hall	258	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
75	Redmond	1st floor		1	Locker rm hall	260	Exit Signs	8,760	EXLED	1	Existing LED Exit Sign	2	3	6	LAI	1	Leave existing fixture as is	2	3	6								100%	8,760	0.01	0.01	53	53	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
76	Redmond	1st floor		1	Women lockers	261	Restroom (multiple)	3,570	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	3,035	0.12	0.04	414	123	291	$24	$9	$33	$4	$0	$4	$145.46	65.00%
77	Redmond	1st floor		1	Women lockers	262	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
78	Redmond	1st floor		1	Women lockers	263	Restroom (multiple)	2,321	ECFLP42	2	Existing CFL Pin Based 42 watt Lamp	1	42	46	RT8-12	2	Retrofit RC LED Module 8", Set to 12w,(8.5/12/17) 1450lm, Espen, 0-10v	1	12	12	AC	1	PP20	2			0%	100%	2,321	0.09	0.02	213	56	158	$13	$8	$21	$4	$0	$4	$47.34	73.91%
79	Redmond	1st floor		1	Men lockers	264	Restroom (multiple)	3,570	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	3,035	0.12	0.04	414	123	291	$24	$9	$33	$4	$0	$4	$145.46	65.00%
80	Redmond	1st floor		1	Men lockers	265	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
81	Redmond	1st floor		1	Men lockers	266	Restroom (multiple)	2,321	ECFLP42	2	Existing CFL Pin Based 42 watt Lamp	1	42	46	RT8-12	2	Retrofit RC LED Module 8", Set to 12w,(8.5/12/17) 1450lm, Espen, 0-10v	1	12	12	AC	1	PP20	2			0%	100%	2,321	0.09	0.02	213	56	158	$13	$8	$21	$4	$0	$4	$47.34	73.91%
82	Redmond	1st floor		1	Workout rm	267	Office (Open)	2,550	EPT4232N	9	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	9	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	9					25%	70%	1,913	0.49	0.18	1,239	349	890	$74	$36	$110	$14	$0	$14	$894.94	62.41%
83	Redmond	1st floor		1	Workout rm	268	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
84	Redmond	1st floor		1	Workout rm	269	Exit Signs	8,760	EXLED	1	Existing LED Exit Sign	2	3	6	LAI	1	Leave existing fixture as is	2	3	6								100%	8,760	0.01	0.01	53	53	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
85	Redmond	1st floor		1	Mail room server	270	IT/Com/Mech/Elec	520	ES4232N	3	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	3	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.17	0.07	90	36	55	$5	$13	$17	$1	$0	$1	$24.00	60.34%
86	Redmond	1st floor		1	Mail rm	271	Office (Private)	2,500	ES4232N	8	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	8	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	WWM-O	2	PP20	1			30%	100%	1,750	0.46	0.18	1,160	322	838	$70	$33	$103	$13	$0	$13	$64.00	60.34%

87	Redmond	1st floor		1	Employee RRU	272	Restroom (single)	1,820	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1			5KEYL	1	15%	70%	1,547	0.06	0.02	106	31	74	$6	$5	$11	$1	$0	$1	$37.08	65.00%
88	Redmond	1st floor		1	Main lobby	278	Hallway	4,335	ECFLP42	2	Existing CFL Pin Based 42 watt Lamp	1	42	46	RT6-13	2	Retrofit RC LED Module 6", Set to 13w,(6.5/9/13) 1560lm, Espen, 0-10v	1	13	13								100%	4,335	0.09	0.03	399	113	286	$24	$8	$32	$8	$0	$8	$85.83	71.74%
89	Redmond	1st floor		1	Main lobby	279	Hallway	3,251	EPLED11-WWC6	10	Existing LED-11W-1 || in Recessed || Can Wall Wash-5.5"-4 pin-45 degrees-*	1	11	11	LAI	10	Leave existing fixture as is	1	11	11	AC							100%	3,251	0.11	0.11	358	358	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
90	Redmond	1st floor		1	Main lobby	280	Hallway	3,251	EPLED11-CAN6	11	Existing LED-11W-1 || in Recessed || Can-5.5"-4 pin-Horizontal-*	1	11	11	LAI	11	Leave existing fixture as is	1	11	11	AC							100%	3,251	0.12	0.12	393	393	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
91	Redmond	1st floor		1	Main lobby	281	Hallway	3,251	EPLED11-CAN6V	13	Existing LED-11W-1 || in Recessed || Can-5.5"-4 pin-Vertical-*	1	11	11	LAI	13	Leave existing fixture as is	1	11	11	AC							100%	3,251	0.14	0.14	465	465	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
92	Redmond	1st floor		1	Main lobby	282	Hallway	3,251	ELLED16-CAN7	15	Existing LED-16W-1 || in Recessed || Can-7"-Edison-Vertical-A20	1	16	16	LAI	15	Leave existing fixture as is	1	16	16	AC							100%	3,251	0.24	0.24	780	780	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
93	Redmond	1st floor		1	Main lobby	283	Exit Signs	8,760	EXLED	2	Existing LED Exit Sign	2	3	6	LAI	2	Leave existing fixture as is	2	3	6								100%	8,760	0.01	0.01	105	105	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
94	Redmond	1st floor		1	Main lobby	284	Hallway	3,251	EPLED11-WWR	4	Existing LED-11W-1 || in Recessed || Wall wash-3x8-4 pin-Adjustable-*	1	11	11	LAI	4	Leave existing fixture as is	1	11	11	AC							100%	3,251	0.04	0.04	143	143	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
95	Redmond	2nd floor		2	RRM	1	Restroom (multiple)	3,570	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2					15%	70%	3,035	0.11	0.04	386	123	262	$22	$8	$30	$4	$0	$4	$131.18	62.41%
96	Redmond	2nd floor		2	RRM	2	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
97	Redmond	2nd floor		2	RRW	3	Restroom (multiple)	3,570	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2					15%	70%	3,035	0.11	0.04	386	123	262	$22	$8	$30	$4	$0	$4	$131.18	62.41%
98	Redmond	2nd floor		2	RRW	4	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
99	Redmond	2nd floor		2	RR Hall	159	Hallway	4,335	ECFLP42	3	Existing CFL Pin Based 42 watt Lamp	1	42	46	RT6-13	3	Retrofit RC LED Module 6", Set to 13w,(6.5/9/13) 1560lm, Espen, 0-10v	1	13	13								100%	4,335	0.14	0.04	598	169	429	$36	$12	$48	$12	$0	$12	$128.75	71.74%
100	Redmond	2nd floor		2	Public works office 1	93	Office (Private)	2,500	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1			5KEYL	1	15%	70%	2,125	0.06	0.02	145	43	102	$8	$5	$13	$2	$0	$2	$50.93	65.00%
101	Redmond	2nd floor		2	NW server rm	24	IT/Com/Mech/Elec	520	ES4232N	2	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.12	0.05	60	24	36	$3	$8	$11	$1	$0	$1	$16.00	60.34%
102	Redmond	2nd floor		2	Public works office 2	160	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
103	Redmond	2nd floor		2	Public works copy rm	161	Office (Private)	2,500	ET4232N	3	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	3			5KEYL	1	15%	70%	2,125	0.17	0.06	435	129	306	$25	$14	$39	$5	$0	$5	$152.79	65.00%
104	Redmond	2nd floor		2	Public works copy rm	162	Always On/Night Light	8,760	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.06	0.02	508	89	419	$35	$5	$40	$5	$0	$5	$259.58	65.00%
105	Redmond	2nd floor		2	Public works storage	163	Storage (Active)	390	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	AC							100%	390	0.12	0.05	45	18	27	$2	$8	$11	$0	$0	$0	$16.00	60.34%

106	Redmond	2nd floor		2	NW Electric rm	8	IT/Com/Mech/Elec	520	ES4232N	1	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23									100%	520	0.06	0.02	30	12	18	$2	$4	$6	$0	$0	$0	$8.00	60.34%
107	Redmond	2nd floor		2	Public works office 3	164	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
108	Redmond	2nd floor		2	Public works storage 2	165	Storage (Active)	390	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	AC							100%	390	0.06	0.02	23	9	14	$1	$4	$5	$0	$0	$0	$8.00	60.34%
109	Redmond	2nd floor		2	Heron conference	166	Conference/Meeting	2,550	EPT4232N	3	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	3			5KEYL	1	15%	70%	2,168	0.16	0.06	413	132	281	$23	$12	$35	$5	$0	$5	$140.55	62.41%
110	Redmond	2nd floor		2	Public works office 4	167	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
111	Redmond	2nd floor		2	Public works office 5	168	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
112	Redmond	2nd floor		2	Public works kitchen	95	Breakroom /Lounge	3,060	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1			5KEYL	1	15%	70%	2,601	0.06	0.02	177	53	125	$10	$5	$15	$2	$0	$2	$62.34	65.00%
113	Redmond	2nd floor		2	Public works storage 3	169	Storage (Active)	390	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	AC							100%	390	0.12	0.05	45	18	27	$2	$8	$11	$0	$0	$0	$16.00	60.34%
114	Redmond	2nd floor		2	Traffic office	25	Office (Private)	2,500	EVT4232LD	5	Existing Volumetric Troffer 2x4 2L F32 T8 32 watt Lamps, Line Voltage Dimming Ballast	2	32	70	RTK24-29N	5	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	5			5KEYL	2	15%	70%	2,125	0.35	0.10	875	216	659	$55	$30	$85	$19	$0	$19	$329.66	71.00%
115	Redmond	2nd floor		2	HVAC Rm	26	IT/Com/Mech/Elec	520	ES4232N	1	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.06	0.02	30	12	18	$2	$4	$6	$0	$0	$0	$8.00	60.34%
116	Redmond	2nd floor		2	Eagle rm	27	Breakroom /Lounge	3,060	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1			5KEYL	2	15%	70%	2,601	0.06	0.02	177	53	125	$10	$5	$15	$2	$0	$2	$62.34	65.00%
117	Redmond	2nd floor		2	Public works cube farm	96	Office (Open)	2,550	EPT4232D	66	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Dimming Ballast	2	32	70	RTK24-29N	66	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	66			5KEYL	2	25%	70%	1,913	4.62	1.34	11,781	2,562	9,219	$767	$392	$1,159	$252	$0	$252	$7,909.32	71.00%
118	Redmond	2nd floor		2	Public works cube farm	97	Always On/Night Light	8,760	EPT4232N	12	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	12	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	12					50%	70%	4,380	0.65	0.24	5,676	1,067	4,610	$383	$54	$437	$66	$0	$66	$2,904.76	62.41%
119	Redmond	2nd floor		2	Public works cube farm	98	Exit Signs	8,760	EXLED	12	Existing LED Exit Sign	2	3	6	LAI	12	Leave existing fixture as is	2	3	6								100%	8,760	0.07	0.07	631	631	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
120	Redmond	2nd floor		2	Permit office 1	170	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
121	Redmond	2nd floor		2	Permit copy rm	171	Office (Private)	2,500	ET4232N	4	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	4	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	4			5KEYL	1	15%	70%	2,125	0.23	0.08	580	173	407	$34	$18	$52	$6	$0	$6	$203.73	65.00%
122	Redmond	2nd floor		2	Permit copy rm	172	Always On/Night Light	8,760	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.06	0.02	508	89	419	$35	$5	$40	$5	$0	$5	$259.58	65.00%

123	Redmond	2nd floor		2	Permit office 2	5	Office (Private)	2,500	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.12	0.04	290	86	204	$17	$9	$26	$3	$0	$3	$101.86	65.00%
124	Redmond	2nd floor		2	Permit kitchen	173	Breakroom /Lounge	3,060	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1			5KEYL	1	15%	70%	2,601	0.05	0.02	165	53	112	$9	$4	$13	$2	$0	$2	$56.22	62.41%
125	Redmond	2nd floor		2	Permit office 3	174	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
126	Redmond	2nd floor		2	Permit storage	175	Always On/Night Light	8,760	ET4232N	3	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	3			5KEYL	1	15%	70%	7,446	0.17	0.06	1,524	453	1,071	$89	$15	$104	$16	$0	$16	$535.39	65.00%
127	Redmond	2nd floor		2	SW Electric rm	13	IT/Com/Mech/Elec	520	ES4232N	1	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.06	0.02	30	12	18	$2	$4	$6	$0	$0	$0	$8.00	60.34%
128	Redmond	2nd floor		2	Permit office 4	176	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
129	Redmond	2nd floor		2	Permit office 5	177	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
130	Redmond	2nd floor		2	Douglas fir conference	178	Conference/Meeting	2,550	EPT4232N	3	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	3			5KEYL	1	15%	70%	2,168	0.16	0.06	413	132	281	$23	$12	$35	$5	$0	$5	$140.55	62.41%
131	Redmond	2nd floor		2	Permit office 6	179	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
132	Redmond	2nd floor		2	Permit office 7	180	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
133	Redmond	2nd floor		2	Permit copy rm 2	181	Office (Private)	2,500	ET4232N	4	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	4	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	4			5KEYL	1	15%	70%	2,125	0.23	0.08	580	173	407	$34	$18	$52	$6	$0	$6	$203.73	65.00%
134	Redmond	2nd floor		2	Permit copy rm 2	182	Always On/Night Light	8,760	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.06	0.02	508	89	419	$35	$5	$40	$5	$0	$5	$259.58	65.00%
135	Redmond	2nd floor		2	Permit cube farm	183	Office (Open)	2,550	EPT4232D	82	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Dimming Ballast	2	32	70	RTK24-29N	82	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	82			5KEYL	2	25%	70%	1,913	5.74	1.66	14,637	3,184	11,453	$953	$487	$1,440	$314	$0	$314	$9,826.73	71.00%
136	Redmond	2nd floor		2	Permit cube farm	184	Always On/Night Light	8,760	EPT4232N	15	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	15	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	15					50%	70%	4,380	0.81	0.30	7,096	1,334	5,762	$479	$67	$546	$82	$0	$82	$3,630.95	62.41%
137	Redmond	2nd floor		2	Permit cube farm	185	Exit Signs	8,760	EXLED	12	Existing LED Exit Sign	2	3	6	LAI	12	Leave existing fixture as is	2	3	6								100%	8,760	0.07	0.07	631	631	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
138	Redmond	2nd floor		2	Permit cube farm	186	Office (Open)	2,550	ECFLP42	13	Existing CFL Pin Based 42 watt Lamp	1	42	46	RT6-13	13	Retrofit RC LED Module 6", Set to 13w,(6.5/9/13) 1560lm, Espen, 0-10v	1	13	13	WCM-O	2	PP20	2			25%	100%	1,913	0.60	0.17	1,525	323	1,202	$100	$51	$151	$30	$0	$30	$360.51	71.74%
139	Redmond	2nd floor		2	Elevator breezeway	187	Hallway	4,335	ECFLP42	8	Existing CFL Pin Based 42 watt Lamp	1	42	46	RT6-13	8	Retrofit RC LED Module 6", Set to 13w,(6.5/9/13) 1560lm, Espen, 0-10v	1	13	13								100%	4,335	0.37	0.10	1,595	451	1,144	$95	$32	$127	$32	$0	$32	$343.33	71.74%

140	Redmond	2nd floor		2	Elevator breezeway	188	Hallway	4,335	EPLED11-WWC6	4	Existing LED-11W-1 || in Recessed || Can Wall Wash-5.5"-4 pin-45 degrees-*	1	11	11	LAI	4	Leave existing fixture as is	1	11	11								100%	4,335	0.04	0.04	191	191	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
141	Redmond	2nd floor		2	Elevator breezeway	189	Hallway	4,335	EPLED11-CAN6	2	Existing LED-11W-1 || in Recessed || Can-5.5"-4 pin-Horizontal-*	1	11	11	LAI	2	Leave existing fixture as is	1	11	11								100%	4,335	0.02	0.02	95	95	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
142	Redmond	2nd floor		2	Elevator breezeway	190	Hallway	4,335	EPLED11-CAN6V	2	Existing LED-11W-1 || in Recessed || Can-5.5"-4 pin-Vertical-*	1	11	11	LAI	2	Leave existing fixture as is	1	11	11								100%	4,335	0.02	0.02	95	95	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
143	Redmond	2nd floor		2	Elevator breezeway	191	Hallway	4,335	ELLED16-CAN7	3	Existing LED-16W-1 || in Recessed || Can-7"-Edison-Vertical-A20	1	16	16	LAI	3	Leave existing fixture as is	1	16	16								100%	4,335	0.05	0.05	208	208	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
144	Redmond	3rd floor		3	RRM	83	Restroom (multiple)	3,570	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2					15%	70%	3,035	0.11	0.04	386	123	262	$22	$8	$30	$4	$0	$4	$131.18	62.41%
145	Redmond	3rd floor		3	RRM	84	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
146	Redmond	3rd floor		3	RRW	99	Restroom (multiple)	3,570	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2					15%	70%	3,035	0.11	0.04	386	123	262	$22	$8	$30	$4	$0	$4	$131.18	62.41%
147	Redmond	3rd floor		3	RRW	100	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
148	Redmond	3rd floor		3	Finance copy rm	101	Office (Private)	2,500	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.12	0.04	290	86	204	$17	$9	$26	$3	$0	$3	$101.86	65.00%
149	Redmond	3rd floor		3	Finance office 1	85	Office (Private)	2,500	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1			5KEYL	1	15%	70%	2,125	0.06	0.02	145	43	102	$8	$5	$13	$2	$0	$2	$50.93	65.00%
150	Redmond	3rd floor		3	NW server rm	23	IT/Com/Mech/Elec	520	ES4232N	3	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	3	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.17	0.07	90	36	55	$5	$13	$17	$1	$0	$1	$24.00	60.34%
151	Redmond	3rd floor		3	Finance office 2	102	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
152	Redmond	3rd floor		3	Finance office 3	103	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
153	Redmond	3rd floor		3	Finance copy rm 2	104	Office (Private)	2,500	ET4232N	3	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	3			5KEYL	1	15%	70%	2,125	0.17	0.06	435	129	306	$25	$14	$39	$5	$0	$5	$152.79	65.00%
154	Redmond	3rd floor		3	NW Electric rm	9	IT/Com/Mech/Elec	520	ES4232N	1	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.06	0.02	30	12	18	$2	$4	$6	$0	$0	$0	$8.00	60.34%
155	Redmond	3rd floor		3	Finance office 4	105	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
156	Redmond	3rd floor		3	Finance office 5	106	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
157	Redmond	3rd floor		3	Finance office 6	107	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%

158	Redmond	3rd floor		3	Macduff conference	108	Conference/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
159	Redmond	3rd floor		3	Finance storage	109	Storage (Active)	390	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	AC							100%	390	0.12	0.05	45	18	27	$2	$8	$11	$0	$0	$0	$16.00	60.34%
160	Redmond	3rd floor		3	Perry conference	110	Conference/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
161	Redmond	3rd floor		3	Finance kitchen	87	Breakroom/Lounge	3,060	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1			5KEYL	1	15%	70%	2,601	0.06	0.02	177	53	125	$10	$5	$15	$2	$0	$2	$62.34	65.00%
162	Redmond	3rd floor		3	Finance office 7	111	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
163	Redmond	3rd floor		3	Dudley Carter conference	112	Conference/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
164	Redmond	3rd floor		3	Finance vault	86	Storage (Active)	520	ET4232N	4	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	4	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.23	0.09	121	48	73	$6	$17	$23	$1	$0	$1	$36.40	60.34%
165	Redmond	3rd floor		3	Finance cube farm	88	Office (Open)	2,550	EPT4232D	50	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Dimming Ballast	2	32	70	RTK24-29N	50	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	50			5KEYL	4	25%	70%	1,913	3.50	1.02	8,925	1,941	6,984	$581	$297	$878	$191	$0	$191	$5,991.91	71.00%
166	Redmond	3rd floor		3	Finance cube farm	89	Always On/Night Light	8,760	EPT4232N	8	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	8	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	8					50%	70%	4,380	0.43	0.16	3,784	711	3,073	$256	$36	$291	$44	$0	$44	$1,936.50	62.41%
167	Redmond	3rd floor		3	Finance cube farm	90	Exit Signs	8,760	EXLED	7	Existing LED Exit Sign	2	3	6	LAI	7	Leave existing fixture as is	2	3	6								100%	8,760	0.04	0.04	368	368	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
168	Redmond	3rd floor		3	HR vault	113	Storage (Active)	520	ET4232N	5	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	5	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.29	0.12	151	60	91	$8	$21	$28	$2	$0	$2	$45.50	60.34%
169	Redmond	3rd floor		3	HR office 1	114	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
170	Redmond	3rd floor		3	HR office 2	115	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
171	Redmond	3rd floor		3	Hutcheson conference	116	Conference/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
172	Redmond	3rd floor		3	HR office 3	117	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
173	Redmond	3rd floor		3	HR office 4	118	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
174	Redmond	3rd floor		3	HR cube farm	119	Office (Open)	2,550	EPT4232D	17	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Dimming Ballast	2	32	70	RTK24-29N	17	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	17			5KEYL	2	25%	70%	1,913	1.19	0.35	3,035	660	2,374	$197	$101	$298	$65	$0	$65	$2,037.25	71.00%

175	Redmond	3rd floor		3	HR cube farm	120	Always On/Night Light	8,760	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	2					50%	70%	4,380	0.11	0.04	946	178	768	$64	$9	$73	$11	$0	$11	$484.13	62.41%
176	Redmond	3rd floor		3	HR cube farm	121	Exit Signs	8,760	EXLED	5	Existing LED Exit Sign	2	3	6	LAI	5	Leave existing fixture as is	2	3	6							100%	8,760	0.03	0.03	263	263	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
177	Redmond	3rd floor		3	McRedmond conference	122	Conference/Meeting	2,550	EPT4232N	5	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	5	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	5			5KEYL	1	15%	70%	2,168	0.27	0.10	689	220	468	$39	$20	$59	$8	$0	$8	$234.25	62.41%
178	Redmond	3rd floor		3	McRedmond conference	123	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
179	Redmond	3rd floor		3	Nokomis conference	124	Conference/Meeting	2,550	EPT4232N	3	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	3			5KEYL	1	15%	70%	2,168	0.16	0.06	413	132	281	$23	$12	$35	$5	$0	$5	$140.55	62.41%
180	Redmond	3rd floor		3	Nokomis conference	125	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
181	Redmond	3rd floor		3	Clise conference	126	Conference/Meeting	2,550	EPT4232N	3	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	3			5KEYL	1	15%	70%	2,168	0.16	0.06	413	132	281	$23	$12	$35	$5	$0	$5	$140.55	62.41%
182	Redmond	3rd floor		3	Clise conference	127	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
183	Redmond	3rd floor		3	Morse conference	128	Conference/Meeting	2,550	EPT4232N	10	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	10	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	10			5KEYL	1	15%	70%	2,168	0.54	0.20	1,377	440	937	$78	$40	$118	$16	$0	$16	$468.50	62.41%
184	Redmond	3rd floor		3	Morse conference	129	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
185	Redmond	3rd floor		3	Morse storage	130	Storage (Active)	520	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23							100%	520	0.06	0.02	30	12	18	$2	$4	$6	$0	$0	$0	$9.10	60.34%
186	Redmond	3rd floor		3	IT storage	131	Storage (Active)	390	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	AC						100%	390	0.12	0.05	45	18	27	$2	$8	$11	$0	$0	$0	$16.00	60.34%
187	Redmond	3rd floor		3	IT Storage 2	132	Storage (Active)	390	EPT4232N	8	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	4TLED10C-2	8	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	AC						100%	390	0.43	0.18	168	72	97	$8	$30	$38	$2	$0	$2	$64.00	57.41%
188	Redmond	3rd floor		3	IT Storage 2	133	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1					50%	70%	4,380	0.05	0.02	473	89	384	$32	$4	$36	$5	$0	$5	$242.06	62.41%
189	Redmond	3rd floor		3	IT office 1	134	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
190	Redmond	3rd floor		3	SW Electric rm	12	IT/Com/Mech/Elec	520	ES4232N	1	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23							100%	520	0.06	0.02	30	12	18	$2	$4	$6	$0	$0	$0	$8.00	60.34%
191	Redmond	3rd floor		3	Sikes conference	135	Conference/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%

192	Redmond	3rd floor		3	IT kitchen	136	Breakroom /Lounge	3,060	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1			5KEYL	1	15%	70%	2,601	0.06	0.02	177	53	125	$10	$5	$15	$2	$0	$2	$62.34	65.00%
193	Redmond	3rd floor		3	IT storage	137	Storage (Active)	390	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	AC							100%	390	0.12	0.05	45	18	27	$2	$8	$11	$0	$0	$0	$16.00	60.34%
194	Redmond	3rd floor		3	IT office 2	138	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
195	Redmond	3rd floor		3	IT copy rm	139	Office (Private)	2,500	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.12	0.04	290	86	204	$17	$9	$26	$3	$0	$3	$101.86	65.00%
196	Redmond	3rd floor		3	IT copy rm	140	Always On/Night Light	8,760	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.06	0.02	508	151	357	$30	$5	$35	$5	$0	$5	$178.46	65.00%
197	Redmond	3rd floor		3	IT office 3	141	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
198	Redmond	3rd floor		3	IT storage 2	142	Storage (Active)	520	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.06	0.02	30	12	18	$2	$4	$6	$0	$0	$0	$8.00	60.34%
199	Redmond	3rd floor		3	IT office 4	143	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
200	Redmond	3rd floor		3	Walther conference	144	Conferenc e/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
201	Redmond	3rd floor		3	Adams conference	145	Conferenc e/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
202	Redmond	3rd floor		3	IT office 5	146	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
203	Redmond	3rd floor		3	IT cube farm	147	Office (Open)	2,550	EPT4232D	81	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Dimming Ballast	2	32	70	RTK24-29N	81	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	81			5KEYL	4	25%	70%	1,913	5.67	1.64	14,459	3,145	11,314	$941	$481	$1,422	$310	$0	$310	$9,706.89	71.00%
204	Redmond	3rd floor		3	IT cube farm	148	Always On/Night Light	8,760	EPT4232N	10	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	10	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	10					50%	70%	4,380	0.54	0.20	4,730	889	3,841	$319	$45	$364	$55	$0	$55	$2,420.63	62.41%
205	Redmond	3rd floor		3	IT cube farm	149	Exit Signs	8,760	EXLED	15	Existing LED Exit Sign	2	3	6	LAI	15	Leave existing fixture as is	2	3	6								100%	8,760	0.09	0.09	788	788	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
206	Redmond	3rd floor		3	Payroll office	150	Office (Open)	2,550	EPT4232N	9	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	9	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	9			5KEYL	1	15%	70%	2,168	0.49	0.18	1,239	396	843	$70	$36	$106	$14	$0	$14	$421.65	62.41%
207	Redmond	3rd floor		3	Payroll office	151	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
208	Redmond	3rd floor		3	Payroll office	152	Exit Signs	8,760	EXLED	1	Existing LED Exit Sign	2	3	6	LAI	1	Leave existing fixture as is	2	3	6								100%	8,760	0.01	0.01	53	53	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%

209	Redmond	3rd floor		3	Payroll copy rm	153	Office (Private)	2,500	ET4232N	3	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	3			5KEYL	1	15%	70%	2,125	0.17	0.06	435	129	306	$25	$14	$39	$5	$0	$5	$152.79	65.00%
210	Redmond	3rd floor		3	Elevator lobby	154	Hallway	4,335	EPT4232D	12	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Dimming Ballast	2	32	70	RTK24-29N	12	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	12			5KEYL	2	25%	70%	3,251	0.84	0.24	3,641	792	2,849	$237	$71	$308	$78	$0	$78	$2,024.70	71.00%
211	Redmond	3rd floor		3	Elevator lobby	155	Always On/Night Light	8,760	EPT4232N	3	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	3					50%	70%	4,380	0.16	0.06	1,419	267	1,152	$96	$13	$109	$16	$0	$16	$726.19	62.41%
212	Redmond	3rd floor		3	Elevator lobby	156	Exit Signs	8,760	EXLED	6	Existing LED Exit Sign	2	3	6	LAI	6	Leave existing fixture as is	2	3	6								100%	8,760	0.04	0.04	315	315	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
213	Redmond	3rd floor		3	Elevator lobby	157	Hallway	4,335	ECFLP42	6	Existing CFL Pin Based 42 watt Lamp	1	42	46	RT6-13	6	Retrofit RC LED Module 6", Set to 13w,(6.5/9/13) 1560lm, Espen, 0-10v	1	13	13	WCM-O	1	PP20	2			25%	100%	3,251	0.28	0.08	1,196	254	943	$78	$24	$102	$24	$0	$24	$282.86	71.74%
214	Redmond	3rd floor		3	Elevator lobby	158	Hallway	4,335	EPLED11A-CAN6V	6	Existing LED-11W-1 || Bllst 1: Electronic PS Normal, L/B: 1, Qty: 1. Config: Standardin Recessed || Can-5.5"-4 pin-Vertical-*	1	11	11	RT6-13	6	Retrofit RC LED Module 6", Set to 13w,(6.5/9/13) 1560lm, Espen, 0-10v	1	13	13			PP20	1				100%	4,335	0.07	0.08	286	338	-52	-$4	-$1	-$6	$0	$0	$0	$0.00	-18.18%
215	Redmond	4th floor		4	RRM	28	Restroom (multiple)	3,570	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2					15%	70%	3,035	0.11	0.04	386	123	262	$22	$8	$30	$4	$0	$4	$131.18	62.41%
216	Redmond	4th floor		4	RRM	29	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
217	Redmond	4th floor		4	RRW	30	Restroom (multiple)	3,570	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2					15%	70%	3,035	0.11	0.04	386	123	262	$22	$8	$30	$4	$0	$4	$131.18	62.41%
218	Redmond	4th floor		4	RRW	31	Always On/Night Light	8,760	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1					15%	70%	7,446	0.05	0.02	473	151	322	$27	$4	$31	$5	$0	$5	$160.94	62.41%
219	Redmond	4th floor		4	Mayor office 1	32	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
220	Redmond	4th floor		4	Mayor office 2	33	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
221	Redmond	4th floor		4	The mayors office	34	Office (Private)	2,500	EPT4232N	4	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	4	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	4			5KEYL	1	15%	70%	2,125	0.22	0.08	540	173	367	$31	$16	$47	$6	$0	$6	$183.73	62.41%
222	Redmond	4th floor		4	Mayor office 3	35	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
223	Redmond	4th floor		4	Mayor copy rm	36	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
224	Redmond	4th floor		4	Mayor conference	37	Office (Private)	2,500	EPT4232N	4	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	4	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	4			5KEYL	1	15%	70%	2,125	0.22	0.08	540	173	367	$31	$16	$47	$6	$0	$6	$183.73	62.41%
225	Redmond	4th floor		4	Mayor conference	38	Office (Private)	1,750	EDI8632N	1	Existing Direct / Indirect 8' 6L F32 T8 Lamps, NBF Ballast	6	32	170	4TLED10C-6	1	Retrofit 6L to 4' TLED type C Dimmable - 10w - (2) Dimming Driver, Keystone	6	10	69	AC		PP20	1				100%	1,750	0.17	0.07	298	121	177	$15	$12	$27	$3	$0	$3	$24.00	59.41%

226	Redmond	4th floor		4	Mayor cube farm	39	Office (Open)	2,550	EPT4232N	13	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	13	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	13			5KEYL	2	25%	70%	1,913	0.70	0.26	1,790	505	1,285	$107	$52	$159	$21	$0	$21	$1,292.70	62.41%
227	Redmond	4th floor		4	Mayor cube farm	40	Always On/Night Light	8,760	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	2					50%	70%	4,380	0.11	0.04	946	178	768	$64	$9	$73	$11	$0	$11	$484.13	62.41%
228	Redmond	4th floor		4	Mayor cube farm	41	Exit Signs	8,760	EXLED	3	Existing LED Exit Sign	2	3	6	LAI	3	Leave existing fixture as is	2	3	6								100%	8,760	0.02	0.02	158	158	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
229	Redmond	4th floor		4	Sammish conference	42	Conferenc e/Meeting	2,550	EPT4232N	3	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	3			5KEYL	1	15%	70%	2,168	0.16	0.06	413	132	281	$23	$12	$35	$5	$0	$5	$140.55	62.41%
230	Redmond	4th floor		4	Fire office 1	43	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
231	Redmond	4th floor		4	Fire office 2	44	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
232	Redmond	4th floor		4	Fire kitchen	45	Breakroom /Lounge	3,060	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	1			5KEYL	1	15%	70%	2,601	0.06	0.02	177	53	125	$10	$5	$15	$2	$0	$2	$62.34	65.00%
233	Redmond	4th floor		4	Fire office 3	46	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
234	Redmond	4th floor		4	Fire storage	47	Storage (Active)	390	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23	AC							100%	390	0.12	0.05	45	18	27	$2	$8	$11	$0	$0	$0	$16.00	60.34%
235	Redmond	4th floor		4	Old mills conference	48	Conferenc e/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
236	Redmond	4th floor		4	Fire storage 2	49	Storage (Active)	520	ET4232N	3	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	3	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.17	0.07	90	36	55	$5	$13	$17	$1	$0	$1	$27.30	60.34%
237	Redmond	4th floor		4	Fire office 4	50	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
238	Redmond	4th floor		4	Fire office 5	51	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
239	Redmond	4th floor		4	Fire office 6	52	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
240	Redmond	4th floor		4	Fire storage 3	53	Storage (Active)	520	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.12	0.05	60	24	36	$3	$8	$11	$1	$0	$1	$18.20	60.34%
241	Redmond	4th floor		4	NW Electric rm	10	IT/Com/Me ch/Elec	520	ES4232N	1	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.06	0.02	30	12	18	$2	$4	$6	$0	$0	$0	$8.00	60.34%
242	Redmond	4th floor		4	Fire copy rm	54	Office (Private)	2,500	ET4232N	3	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	3			5KEYL	1	15%	70%	2,125	0.17	0.06	435	129	306	$25	$14	$39	$5	$0	$5	$152.79	65.00%

243	Redmond	4th floor		4	Fire cube farm	55	Office (Open)	2,550	EPT4232D	40	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Dimming Ballast	2	32	70	RTK24-29N	40	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	40			5KEYL	2	25%	70%	1,913	2.80	0.81	7,140	1,553	5,587	$465	$238	$702	$153	$0	$153	$4,793.53	71.00%
244	Redmond	4th floor		4	Fire cube farm	56	Always On/Night Light	8,760	EPT4232N	8	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	8	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	8					50%	70%	4,380	0.43	0.16	3,784	711	3,073	$256	$36	$291	$44	$0	$44	$1,936.50	62.41%
245	Redmond	4th floor		4	Fire cube farm	57	Exit Signs	8,760	EXLED	8	Existing LED Exit Sign	2	3	6	LAI	8	Leave existing fixture as is	2	3	6							100%	8,760	0.05	0.05	420	420	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
246	Redmond	4th floor		Stairs	NW stairs	58	Always On/Night Light	8,760	ET8LEDDI-15-2	7	Existing LEDTube-TLED T8 15W-2 || in Surface || Direct/Indirect-1x4-Medium Bi-Pin Non-Shunted-Mixed-*	2	15	30	LAI	7	Leave existing fixture as is	2	15	30							100%	8,760	0.21	0.21	1,840	1,840	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
247	Redmond	4th floor		4	Mothers rm	59	Office (Private)	2,500	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1			5KEYL	1	30%	70%	1,750	0.06	0.02	145	36	109	$9	$5	$14	$2	$0	$2	$104.74	65.00%
248	Redmond	4th floor		4	Mothers rm 2	60	Office (Private)	2,500	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1			5KEYL	1	30%	70%	1,750	0.06	0.02	145	36	109	$9	$5	$14	$2	$0	$2	$104.74	65.00%
249	Redmond	4th floor		4	Carol Helland conference	61	Conferenc e/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
250	Redmond	4th floor		4	Computer service office 1	62	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
251	Redmond	4th floor		4	Computer service copy rm	63	Office (Private)	2,500	ET4232N	4	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	4	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	4			5KEYL	1	15%	70%	2,125	0.23	0.08	580	173	407	$34	$18	$52	$6	$0	$6	$203.73	65.00%
252	Redmond	4th floor		4	Computer service storage	64	Storage (Active)	520	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23							100%	520	0.12	0.05	60	24	36	$3	$8	$11	$1	$0	$1	$18.20	60.34%
253	Redmond	4th floor		4	Computer service office 2	65	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
254	Redmond	4th floor		4	Computer kitchen	66	Breakroom /Lounge	3,060	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,601	0.12	0.04	355	106	249	$21	$9	$30	$4	$0	$4	$124.68	65.00%
255	Redmond	4th floor		4	SW Electric rm	11	IT/Com/Me ch/Elec	520	ES4232N	1	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23							100%	520	0.06	0.02	30	12	18	$2	$4	$6	$0	$0	$0	$8.00	60.34%
256	Redmond	4th floor		4	Computer service office 3	67	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
257	Redmond	4th floor		4	Computer service office 4	68	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
258	Redmond	4th floor		4	Computer service office 5	69	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%
259	Redmond	4th floor		4	Computer service office 6	70	Office (Private)	2,500	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,125	0.11	0.04	270	86	184	$15	$8	$23	$3	$0	$3	$91.86	62.41%

260	Redmond	4th floor		4	Computer service storage 2	71	Storage (Active)	520	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	2	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.12	0.05	60	24	36	$3	$8	$11	$1	$0	$1	$18.20	60.34%
261	Redmond	4th floor		4	TV rm	17	IT/Com/Mech/Elec	520	ES4232N	4	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	4	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.23	0.09	121	48	73	$6	$17	$23	$1	$0	$1	$32.00	60.34%
262	Redmond	4th floor		4	TV production	18	Office (Private)	2,500	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1			5KEYL	1	30%	70%	1,750	0.06	0.02	145	36	109	$9	$5	$14	$2	$0	$2	$104.74	65.00%
263	Redmond	4th floor		4	TV production 2	19	Office (Private)	2,500	ET4232N	1	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	1	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	1			5KEYL	1	30%	70%	1,750	0.06	0.02	145	36	109	$9	$5	$14	$2	$0	$2	$104.74	65.00%
264	Redmond	4th floor		4	TV production 3	20	Office (Private)	2,500	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	2			5KEYL	1	30%	70%	1,750	0.12	0.04	290	71	219	$18	$9	$27	$3	$0	$3	$209.48	65.00%
265	Redmond	4th floor		4	TV production 4	21	Office (Private)	2,500	ET4232N	2	Existing Prismatic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	2			5KEYL	1	30%	70%	1,750	0.12	0.04	290	71	219	$18	$9	$27	$3	$0	$3	$209.48	65.00%
266	Redmond	4th floor		4	TV storage	22	Storage (Active)	520	EPT4232N	1	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	4TLED10C-2	1	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.05	0.02	28	12	16	$1	$4	$5	$0	$0	$0	$8.06	57.41%
267	Redmond	4th floor		4	Computer service cube farm	72	Office (Open)	2,550	EPT4232D	65	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Dimming Ballast	2	32	70	RTK24-29N	65	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	65			5KEYL	4	25%	70%	1,913	4.55	1.32	11,603	2,524	9,079	$755	$386	$1,141	$249	$0	$249	$7,789.48	71.00%
268	Redmond	4th floor		4	Computer service cube farm	73	Always On/Night Light	8,760	EPT4232N	10	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	10	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	10					50%	70%	4,380	0.54	0.20	4,730	889	3,841	$319	$45	$364	$55	$0	$55	$2,420.63	62.41%
269	Redmond	4th floor		4	Computer service cube farm	74	Exit Signs	8,760	EXLED	12	Existing LED Exit Sign	2	3	6	LAI	12	Leave existing fixture as is	2	3	6								100%	8,760	0.07	0.07	631	631	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
270	Redmond	4th floor		4	Elevator lobby	75	Hallway	4,335	EPT4232D	18	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Dimming Ballast	2	32	70	RTK24-29N	18	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	18			5KEYL	2	25%	70%	3,251	1.26	0.37	5,462	1,188	4,274	$355	$107	$462	$117	$0	$117	$3,037.05	71.00%
271	Redmond	4th floor		4	Elevator lobby	76	Always On/Night Light	8,760	EPT4232N	3	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	3	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	LLLC	3					50%	70%	4,380	0.16	0.06	1,419	267	1,152	$96	$13	$109	$16	$0	$16	$726.19	62.41%
272	Redmond	4th floor		4	Elevator lobby	77	Exit Signs	8,760	EXLED	3	Existing LED Exit Sign	2	3	6	LAI	3	Leave existing fixture as is	2	3	6								100%	8,760	0.02	0.02	158	158	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
273	Redmond	4th floor		4	Salmonberg conference	78	Conference/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
274	Redmond	4th floor		4	Red Brick conference	79	Conference/Meeting	2,550	EPT4232N	4	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	4	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	4			5KEYL	1	15%	70%	2,168	0.22	0.08	551	176	375	$31	$16	$47	$6	$0	$6	$187.40	62.41%
275	Redmond	4th floor		4	Gateway grove conference	80	Conference/Meeting	2,550	EPT4232N	2	Existing Parabolic Troffer 2x4 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	54	RTK24-29N	2	Retrofit Recessed 2x4 Troffer to Volumetric LED, 29w, 3921lm, LLLC nLight Air	1	29	20.3	D-LLLC	2			5KEYL	1	15%	70%	2,168	0.11	0.04	275	88	187	$16	$8	$24	$3	$0	$3	$93.70	62.41%
276	Redmond	4th floor		Stairs	SW stairs	81	Always On/Night Light	8,760	ET8LEDDI-15-2	5	Existing LEDTube-TLED T8 15W-2 || in Surface || Direct/Indirect-1x4-Medium Bi-Pin Non-Shunted-Mixed-*	2	15	30	LAI	5	Leave existing fixture as is	2	15	30								100%	8,760	0.15	0.15	1,314	1,314	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%

277	Redmond	4th floor		Stairs	SW stairs	82	Always On/Night Light	8,760	ECPYLED 15-12	5	Existing LEDFixture-15w-1 || in Surface || Canopy-12"-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	15	15	LAI	5	Leave existing fixture as is	1	15	15								100%	8,760	0.08	0.08	657	657	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
278	Redmond	Exterior	exterior	Ext	Main entry	285	Exterior	4,380	ELLED40-PAR30-SMC	4	Existing LED-40watt-1 || in Surface || Canister-12"-Edison-Vertical-PAR38	1	40	40	LAI	4	Leave existing fixture as is	1	40	40								100%	4,380	0.16	0.16	701	701	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
279	Redmond	Exterior	exterior	Ext	Main entry	286	Exterior	4,380	EFLMH150	6	Existing Flood Fixture Metal Halide 150 watt Lamp	1	150	185	LAI	6	Leave existing fixture as is	1	150	185								100%	4,380	1.11	1.11	4,862	4,862	0	$0	$0	$0	$55	$55	$0	$0.00	0.00%
280	Redmond	Exterior	exterior	Ext	North entry	287	Exterior	4,380	ELLED40-PAR30-SUSC	2	Existing LED-40watt-1 || in Suspended || Canister-12"-Edison-Vertical-PAR38	1	40	40	LAI	2	Leave existing fixture as is	1	40	40								100%	4,380	0.08	0.08	350	350	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
281	Redmond	Exterior	exterior	Ext	West entry	288	Exterior	4,380	ELLED40-PAR30-SUSC	3	Existing LED-40watt-1 || in Suspended || Canister-12"-Edison-Vertical-PAR38	1	40	40	LAI	3	Leave existing fixture as is	1	40	40								100%	4,380	0.12	0.12	526	526	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
282	Redmond	Exterior	exterior	Ext	Loading dock	289	Exterior	4,380	EH8432N	1	Existing Hood 1x8 Fixture 4L F32 T8 32 watt Lamps, Normal Ballast Factor	4	32	112	4TLED10C-4	1	Retrofit 4L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystones	4	10	46								100%	4,380	0.11	0.05	491	201	289	$24	$0	$24	$4	$0	$4	$16.00	58.93%
283	Redmond	Exterior	exterior	Ext	Loading dock	290	Exterior	4,380	ET8LED18H-15-4	3	Existing LEDTube-TLED T8 15W-4 || Bllst 1: Electronic PS Normal, L/B: 2, Qty: 2. Config: Standardin Suspended || Strip Industrial Hood-1x8-Medium Bi-Pin Non-Shunted-45 degrees-*	2	15	30	LAI	3	Leave existing fixture as is	2	15	30								100%	4,380	0.09	0.09	394	394	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
284	Redmond	Exterior	exterior	Ext	Path pole 1	291	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
285	Redmond	Exterior	exterior	Ext	Path pole 2	292	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
286	Redmond	Exterior	exterior	Ext	Path pole 3	293	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
287	Redmond	Exterior	exterior	Ext	Path pole 4	294	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
288	Redmond	Exterior	exterior	Ext	Path pole 5	295	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
289	Redmond	Exterior	exterior	Ext	Path pole 6	296	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
290	Redmond	Exterior	exterior	Ext	Path pole 7	297	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
291	Redmond	Exterior	exterior	Ext	Path pole 8	298	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
292	Redmond	Exterior	exterior	Ext	Path pole 9	299	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
293	Redmond	Exterior	exterior	Ext	Path pole 10	300	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
294	Redmond	Exterior	exterior	Ext	North bollard	301	Always On/Night Light	8,760	EBLMH70	1	Existing Bollard Fixture Metal Halide 70 watt Lamp	1	70	85	LEDR18	1	18 watt Mini HIDtoLED Lamp-Keystone -bypass ballast	1	18	18								100%	8,760	0.09	0.02	745	158	587	$49	$9	$58	$17	$0	$17	$99.78	78.82%
295	Redmond	Exterior	exterior	Ext	Path pole 11	302	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
296	Redmond	Exterior	exterior	Ext	Path pole 12	303	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
297	Redmond	Exterior	exterior	Ext	Path pole 13	304	Exterior	4,380	ELLED18-LANT	1	Existing LED-18W-1 || in Pole Top || Post top-36"-Edison-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
298	Redmond	Exterior	exterior	Ext	Flag pole floods	305	Exterior	4,380	EFLLED200	2	Existing LEDFixture-200w-1 || in || Flood-8"x12"-LED Fixture (No lamp holder)-LED (no lamp holder)-*	1	200	200	LAI	2	Leave existing fixture as is	1	200	200								100%	4,380	0.40	0.40	1,752	1,752	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
299	Redmond	Exterior	exterior	Ext	Parking pole 1	306	Exterior	4,380	ELLED18-SB	1	Existing LED-18W-1 || in Pole Top || Shoebox-12x18-Mogul-Horizontal-*	1	18	18	LAI	1	Leave existing fixture as is	1	18	18								100%	4,380	0.02	0.02	79	79	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%

300	Redmond	Exterior	exterior	Ext	Parking pole 2	307	Exterior	4,380	ELLED18-SB	2	Existing LED-18W-T || in Pole Top || Shoebox-12x18-Mogul-Horizontal-*	1	18	18	LAI	2	Leave existing fixture as is	1	18	18								100%	4,380	0.04	0.04	158	158	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
301	Redmond	Exterior	exterior	Ext	Parking pole 3	308	Exterior	4,380	ELLED18-SB	2	Existing LED-18W-T || in Pole Top || Shoebox-12x18-Mogul-Horizontal-*	1	18	18	LAI	2	Leave existing fixture as is	1	18	18								100%	4,380	0.04	0.04	158	158	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
302	Redmond	Exterior	exterior	Ext	Parking pole 4	309	Exterior	4,380	ELLED18-SB	2	Existing LED-18W-T || in Pole Top || Shoebox-12x18-Mogul-Horizontal-*	1	18	18	LAI	2	Leave existing fixture as is	1	18	18								100%	4,380	0.04	0.04	158	158	0	$0	$0	$0	$0	$0	$0	$0.00	0.00%
303	Redmond	Roof mech	interior	Roof	Penthouse	15	IT/Com/Mech/Elec	520	ES4232N	9	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	9	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.52	0.21	271	108	164	$14	$38	$51	$3	$0	$3	$72.00	60.34%
304	Redmond	Roof mech	interior	Roof	Elevator machine rm	16	IT/Com/Mech/Elec	520	ES4232N	9	Existing Strip 4' 2L F32 T8 32 watt Lamps, Normal Ballast Factor	2	32	58	4TLED10C-2	9	Retrofit 2L to 4' TLED type C Dimmable - 10w - Dimming Driver, Keystone	2	10	23								100%	520	0.52	0.21	271	108	164	$14	$38	$51	$3	$0	$3	$72.00	60.34%
Total										1,430						1,430						927.0		13.0		141.0	23%			75.5	30.6	235193	79480	155713	$12,951	$5,405	$18,356	$3,326	$55	$3,271	$108,717	