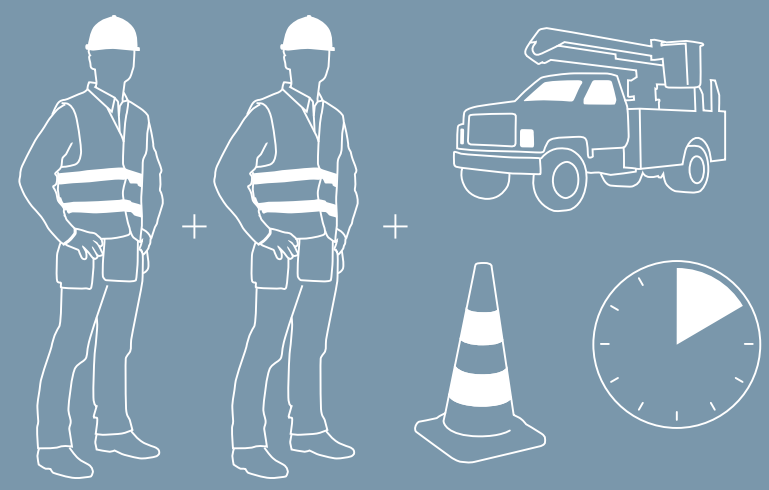# What can your LED luminaire do for you (*besides* save energy)?

LED lighting wireless controls provide non-energy benefits.
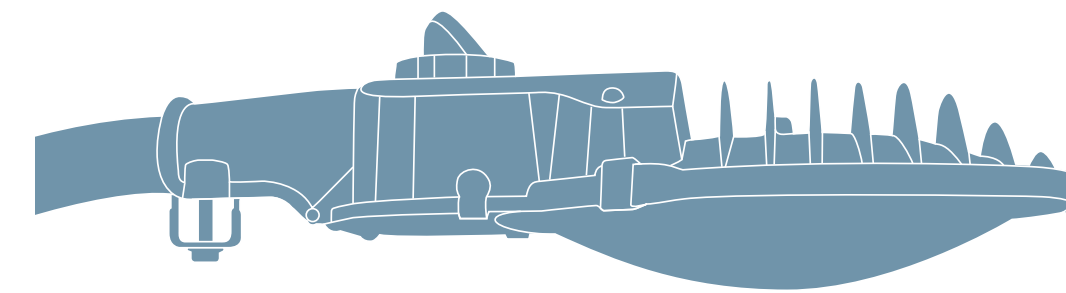
Lighting maintenance truck rolls require signficant resources: time and equipment. Can cost $150 - $350!

But with wireless controls utilities can save in labor and promote saftey.

Pend Oreille County PUD chose Evluma AreaMax with ConnectLED Bluetooth Controls to replace 1200+ 100-200W HPS fixtures.
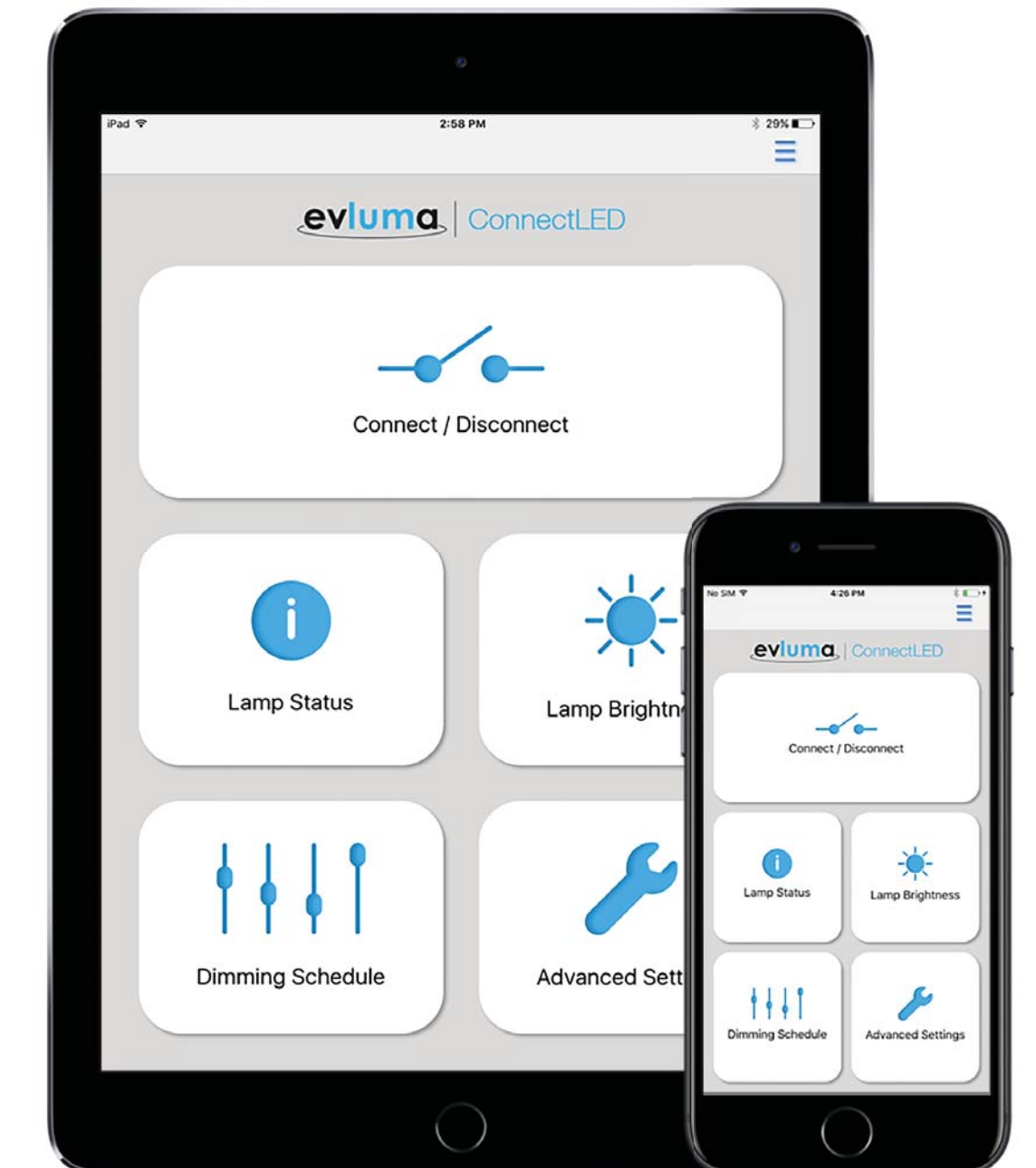
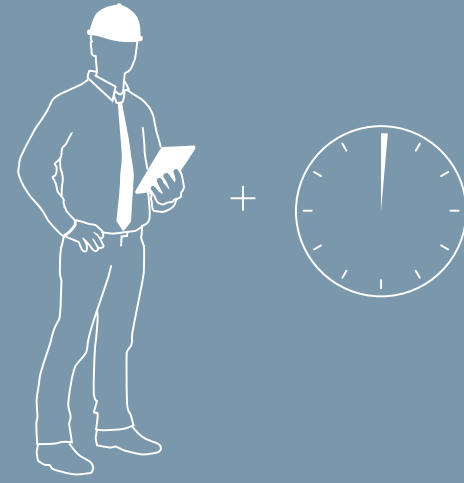AreaMax LED luminaire
for street & area lighting

Bluetooth®

Wirelessly disconnect luminaries during service transfer or for non-payment
Manage light output remotely and solve light trespass disputes (dimming)
Increased customer satisfaction. Fewer disruptions & less maintenance. Safety!
Dimming = even more energy savings (Oh! We weren't going to discuss that!)

ConnectLED App for Applie, Android & Windows (PC)

evluma | ConnectLED
Connect / Disconnect
Lamp Status   Lamp Brightness
Dimming Schedule   Advanced Settings

Types of Controls to Consider

Non-Networked
Evluma products w/ ConnectLED unique one-to-one BLE commuicaton built-in.
Available at any time for use during luminaire ownership. 150ft range.

Networked: Luminaire + Node
Wireless network nodes plug into into NEMA C136.41 5/7-pin socket
Cellular Communication: 5-10 miles comunication, easy to deploy, higher operating cost
Low Power WAN (LPWAN): incl ZigBee & 6LoWPN protocols, mesh or star configuration, 300ft – 4,000ft; some 5+ miles
Power line carrier systems & hybrid PL/RF gateway
Node capabilities (vary)
Traditonal photocontrols, GPS, on/off, 0-10 volt dimming, revenue grade power monitoring, DALI

POC PUD serviceman controling an AreaMax
from the ground with ConnectLED

Evluma Non-Networked + 5/7 pin socket + Node = Network - when **YOU** are ready!

End benefit to utility?

Potential bolt-on to AMI systems, Asset Management & GIS Coordination
Remote disconnect/connect has real value for service crew
Outage reporting, dispatch planning, potential to meter lighting & de-couple rates
Motion sensing and security camera options for members

ev**lum**a