

create**change**

RETROFIT LIGHTING & CONTROLS SOLUTIONS



**HUBBELL LIGHTING AND GROSS SALES LTD.
2014 LED EDUCATION LIGHTING RETROFIT PROGRAM**



CLASSROOM LED RETROFIT




4 Lamp T8 Troffers	LLT24-35LWG-FSA12F-ESDU
110W	41W
20,000 hours life	60,000 hours life
Replace every 3 years	Replace every 9 years

73% REDUCTION

Columbia LIGHTING

***Annual Savings \$66**
***Lifetime Savings \$609**

*Based on \$.11 per KWH and 6,552 burn hours annually, including savings from reduced maintenance and additional HVAC savings equal to 10% of electrical energy savings.

Classrooms are typically designed with 3 lamp T8 or 3 lamp T5 troffers. By retrofitting to Columbia LJT LED troffers, classroom wattage is reduced by 40%. Plus the payback can be shortened with options like dimming, daylight harvesting and motion sensor control.



LJT LED troffer

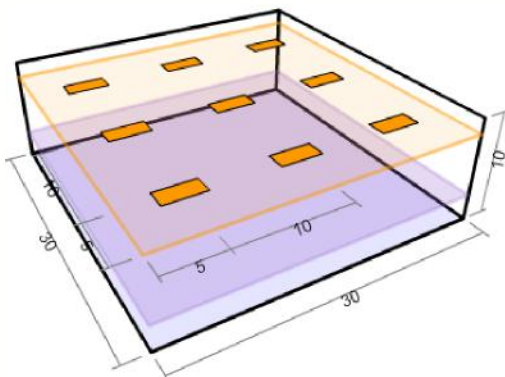
OFFICE
RETAIL
SCHOOL

COLUMBIA LJT Series:

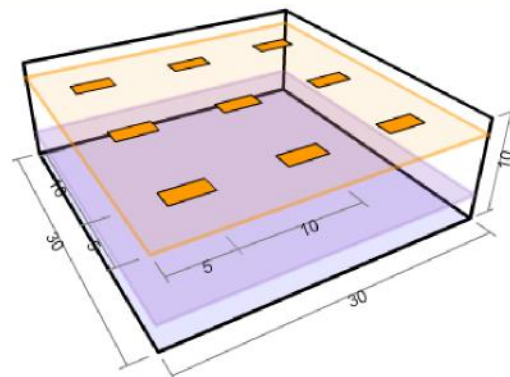
LJT 24 35 ML G AI2 ED U

Medium Lumen, 4400 Lumens, 52 Watts

3 LAMP T8 LED



Average Illuminance :	67	fc
Number of Luminaires :	9	
LPD :	0.84	W/ft ²



Average Illuminance :	46	fc
Number of Luminaires :	9	
LPD :	0.52	W/ft ²

CORRIDOR LED RETROFIT



Education facilities highest area energy use is corridor lighting. Existing designs are typically narrow recessed or surface fluorescent lighting. These spaces are generally on for up to 18 hours per day. Retrofit to an LED fixture will show payback in less than 3 years. Columbia Lighting provides the LAW and LJT series as low cost LED retrofit options.



COLUMBIA LJT Series:

LJT 24 35 ML G A12 ED U

Medium Lumen, 4400 Lumens, 52 Watts

LJT LED Troffer

- Replaces 2-lamp and 3-lamp fluorescent troffers
- 2x2 and 2x4
- Two lumen packages per size
- 3,200 or 4,000 lumens (2x2)
- 4,100 or 5,000 lumens (2x4)
- 3000K, 3500K, 4000K
- Recessed, surface, or cable
- All models standard with IC rating
- DesignLights Consortium® (DLC) qualified; see www.designlights.org



COLUMBIA LAW Series

LAW 4 35 LW ED U

LW — Low Output, 2400 Lumens

LAW 4 35 HL ED U

HL — High Output, 4400 Lumens

LAW LED Wraparound

- Replaces 1-lamp and 2-lamp fluorescent wraps
- 2' and 4'
- Two lumen packages
- 2,400 or 4,400 lumens in both 2' and 4' lengths
- 3500K, 4000K
- Surface mount or suspended
- DesignLights Consortium® (DLC) qualified; see www.designlights.org

GYMNASIUM LED RETROFIT



Columbia Lighting provides effective LED options for retrofit of gymnasiums. Not only does an LED retrofit of athletic environments provide better quality light with significant energy savings, but LED also provides dimming capabilities for multiple uses and further reduction of energy costs. Columbia Lighting offers the LLHP for competitive environments and the LLHV series for elementary level applications.



COLUMBIA LLHP Series

LLHP 2 40 L M ED U, Low Output 14,300 Lumens, LLHP 2 40 H M ED U, High Output 27,600 Lumens

**57%
REDUCTION**

LLHV VERSABAY®
LED HIGH BAY

400W Metal Halide High Bay	LLHV4-50H-WST-EDU
465W	236W
20,000 hours life	60,000 hours life
Replace every 3 years	Replace every 9 years

***Annual Savings \$206**
***Lifetime Savings \$1,888**

*Based on \$.11 per kWh and 6,552 burn hours annually, including savings from reduced maintenance and additional HVAC savings equal to 10% of electrical energy savings.

COLUMBIA LLHV Series

LLHV 4 40 M N ST ED VSPWG U

Low Output 18,000 Lumens,

LLHV 4 40 H N ST ED VSPWG U

High Output 27,600 Lumens

OFFICE, LIBRARY & PUBLIC SPACE LED RETROFIT OPTIONS

COLUMBIA SERANNO ARCHITECTURAL RECESSED LED

67% REDUCTION

Columbia LIGHTING

SERRANO ARCHITECTURAL LUMINAIRE

4 Lamp T8 Troffers	LSER-35-G-C-XX-LW
110W	45W
20,000 hours life	60,000 hours life
Replace every 7 years	Replace every 21 years

***Annual Savings \$34**
***Lifetime Savings \$520**

DLC LISTED

*Based on \$.11 per KWH and 3900 burn hours annually, including savings from reduced maintenance and additional HVAC savings equal to 10% of electrical energy savings.

PRESCOLITE RETROFIT LED

96% REDUCTION

prescolite

LIGHTBOX

75 Watt BR30 Incandescent	LB6LEDA
75W	13W
1,000 hours life	60,000 hours life
Replace every 2 months	Replace every 7 years

***Annual Savings \$128**
***Lifetime Savings \$1,230**

*Based on \$.11 per KWH and 6,240 burn hours annually, including savings from reduced maintenance and additional HVAC savings equal to 10% of electrical energy savings.

PRESCOLITE MEGALUM LED RECESSED DOWNLIGHT

62% REDUCTION

prescolite

MEGALUM

250 Watt MH Downlights	MD8LED
295W	169W
10,000 hours life	60,000 hours life
Replace every 1.5 years	Replace every 9 years

***Annual Savings \$88**
***Lifetime Savings \$1,695**

*Based on \$.11 per KWH and 3,120 burn hours annually, including savings from reduced maintenance and additional HVAC savings equal to 10% of electrical energy savings.

HUBBELL LUNABAY DECORATIVE LED HIGHBAY

LUNABAY LED HIGHBAY

LUNABAY SERIES DECORATIVE LED HIGHBAY

HUBBELL Industrial Lighting

MECHANICAL ROOMS & SHOPS LED RETROFIT OPTIONS

COLUMBIA LIGHTING LXEM VAPOURTITE LED



Available in 2', 4' & 8' Lengths with Lumen Packages from 3,000 to 18,600

COLUMBIA LIGHTING LRO LENSED AND LCS OPEN LED STRIP FIXTURES



Available in 4' & 8' Lengths with Lumen Packages from 2,700 to 19,200

COLUMBIA LIGHTING LLHV INDUSTRIAL LED HIGH BAY



Available in 12,000, 18,000 & 24,000 Lumen Packages

LIGHTING AUTOMATION

MOTIONS SENSORS, DAYLIGHT SENSORS, CONTROL PANELS, WIRELESS SYSTEMS

Take Control HUBBELL Building Automation

Including a lighting controls strategy in your campus can save as much as 80% in key applications. Factory integrated controls in fixtures make installation easy.



Wireless Distributed Control

- No Wires Needed - Indoor and Outdoor
- Integrated web server connects via standard web browsers
- No dedicated server or downloading software to local networks
- Easy system access via local network or internet
- Intuitive Graphical User Interface (GUI)
- Schedule wiHUB-enabled fixtures or groups
- On/Off and Dimming Control
- Manual Override Switch
- Daylight Harvesting

Commercial Lighting Controls Panels

- Applications: Open offices, hallways, classrooms
- Compact Feature-Rich Enclosures: 4, 8, 16, 32 relays
- Multiple Low-Voltage Inputs: switches, sensors & photocells
- Simple Programming Interface
- Built-In Holiday Schedules
- Astronomical Clock: Time of day scheduling
- Override Switching Options



Occupancy / Vacancy Sensors (Wall/Ceiling)

- Applications: Classrooms, offices, restrooms, hallways
- Various Technologies - Passive Infrared, Ultrasonic & Dual-Tech
- Intellidapt Technology - Self adjusting time and sensitivity
- Multiple Coverage Options up to 2,000 sq. ft.
- Occupancy or Vacancy Options
- Built in Photocell Options - Wall Switch

FINANCING

FUNDING SOLUTIONS FOR MUNICIPAL LIGHTING PROJECTS™



Flexible Financing Solutions For Your Municipal Lighting Project

In difficult economic times, municipalities need creative and fiscally responsible ways to service their constituents. That's where Hubbell Lighting's Cash Flow Positive Program comes in.

Whether your project is a capital improvement, such as new ballfield lights, or an energy savings initiative, Hubbell Lighting offers innovative financing solutions to overcome challenging municipal budget constraints. The benefits speak for themselves.

Positive Cash Flow

Energy cost savings that are greater than your monthly financing costs yield positive cash flow to your bottom line immediately.

Comprehensive Financial Leverage

We can help you benefit from local utility rebate incentives and Federal tax deductions, and leverage that savings into your lighting energy savings to add positive cash flow to your budget.

Total Project Financing

Hubbell Lighting looks at the project costs holistically, including the lighting equipment, upfit and installation labor, ancillary supplies and even recycling costs... all in a single monthly payment.

Smart Money Features

- Flexible terms 12-120* months
- Competitive rates
- Large and small projects \$5,000 to \$10,000,000
- 100% financing
- No down payment
- No hidden costs
- Flexible prepayment provisions
 - Flexible debt structure around customer requirements by using lines of credit, escrow accounts or progress payments

**Subject to the useful life of the asset as required by the Internal Revenue Service and creditworthiness of the borrower*

Convenient Approval Process

- Our Hubbell Lighting Financing Team is your direct contact
- 24-48 hour credit underwriting after application submission with required financial data
- Hubbell Lighting handles all documentation and administration

Typical Financing Entity Profiles

- State governments
 - City governments
- School districts
- Public universities and colleges
- Public hospitals
- 501 (c)(3) nonprofits
- Public utilities
- Special purpose taxing districts