

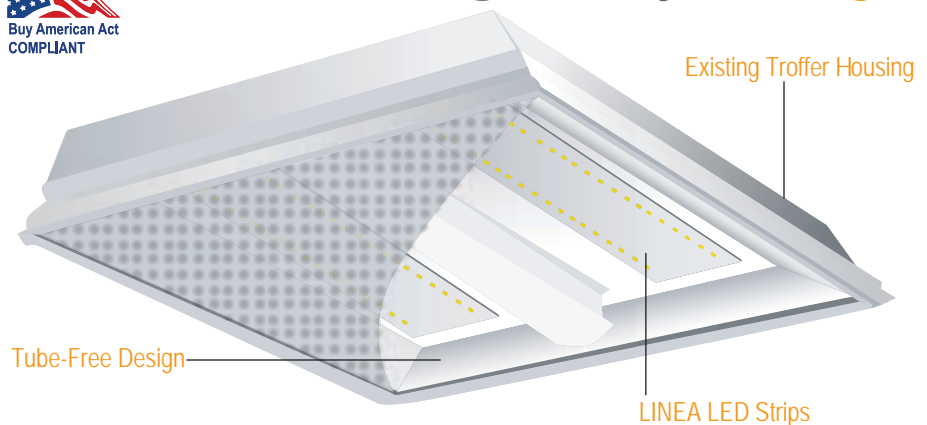
# DECO retrofit™

## LINEA 1x4 2x2 & 2x4 Troffer and Parabolic LED Retrofit Kit

  
**DECO digital™**  
lighting systems



**Digitize your light.™**



### Digitize your light.

Tube-Free Deco LED Retrofit Kits are revolutionary by design, the first of their kind, and the most environmental option for upgrading fluorescent troffers and parabolics.

### Performance.

Deco Digital Retrofit Kits feature up to 75% power consumption reduction when compared with fluorescent tubes, performing at an extremely efficient 130 Lumens/Watt. Bring the brilliant and refreshing illumination of the great outdoors into your workspace. Experience color as it was meant to be seen with 85 CRI. LEDs run cool (as low as 33 C) with this highly effective thermal management technique. Produces an over 219,000 hour (25 yrs operating 24 hours per day, 50 yrs operating 12 hours per day) calculated LED Lifetime (Energy Star TM-21 Worksheet).



### Simple Install.

Deco Kits can be installed in as little as 5 minutes with a few simple steps, diminishing maintenance time and cost.

### Economical.

The lean product model of the Deco LED Retrofit Kit allows an economical price point and a quick ROI. Plus an energy savings margin of up to 70% over existing fluorescent fixtures.

### Utility Rebates.

Deco's LINEA Kit model is on the **DLC Qualified Products List**, meaning they meet stringent standards of performance and are eligible for utility rebates. In many cases rebate programs will cover between 20-60% of the up front cost of the kit -- in some cases as much as 60-100%. Contact your Deco Representative or local utility company to discuss active programs and learn more.

**219,000 hour  
LED Life Time**



### No Waste.

Deco Kits recycle the existing troffer housing as a heat sink. This means less environmental waste or costly manufacture of heat sink and no need to dispose of existing troffer housings.

## 50 Years of LED Life

### Schools



### Offices



# DECO retrofit™

## LINEA 1x4 2x2 & 2x4 Troffer and Parabolic LED Retrofit Kit

  
**DECO digital™**  
lighting systems

Digitize your *light*.™

The Linea Series 2ft and 4ft LED upgrade kit delivers 6500 lumens of enhanced spectrum 85 CRI light while achieving over 100 lumens per watt at the system level. This innovative kit is designed for retrofitting existing 2'x2' or 2'x4' fixtures to energy saving LED. The Linea Series is available in neutral or cool color temperatures and dimming comes standard. The Linea Series upgrade retrofit kit is easy to install and fits into almost any existing linear fluorescent fixture making it a perfect upgrade option where energy savings and long life are critical.

### Regulatory & Voluntary Qualifications

UL1598C (Retrofit Kit)  
cULus Listed.  
Designed to meet DLC Qualifications.  
Suitable for damp locations.  
Designed for Indoor use.

### Controls

0-10V diming standard

### Electrical Systems

Integral, high-efficiency driver and power supply  
Power Factor = 0.9 nominal  
Input Power: Stays constant over life. 35-60 watts  
Input Voltage: 120V-277V, 50/60Hz  
Temperature Rating: Designed to operate in temperatures 0-35° C.  
System Delivered Light Output: 6500 lumens  
Fixture Delivered Light Output: 6000 lumens  
CRI: 85  
CCT: 3000K, 4000K, 5000K

### Construction & Materials

Lightweight aluminum housing provides strength and durability.  
Durable screw holes with integrated thermal tape for simple snap on design to fixture.  
Upgrade Existing 2'x2' & 2'x4' fixtures.  
Mounting: Existing Recessed

### Optical Systems

Measured and designed to achieve optimal light performance in existing fluorescent troffers.

## Hospitals

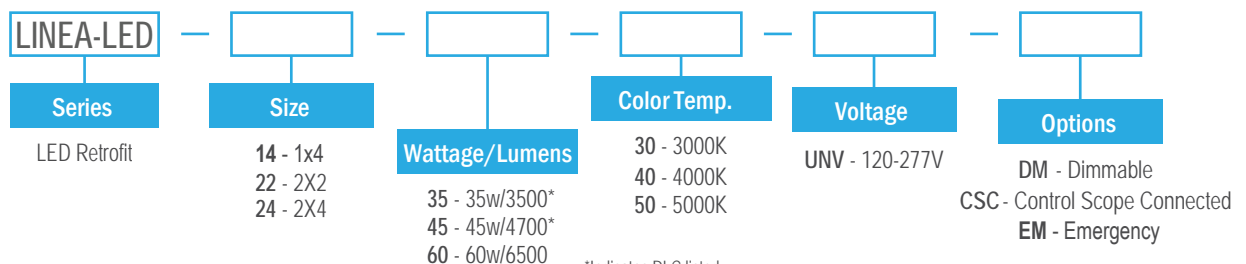


## Full Definition Color

An enhanced spectrum color quality that delivers > 85 CRI

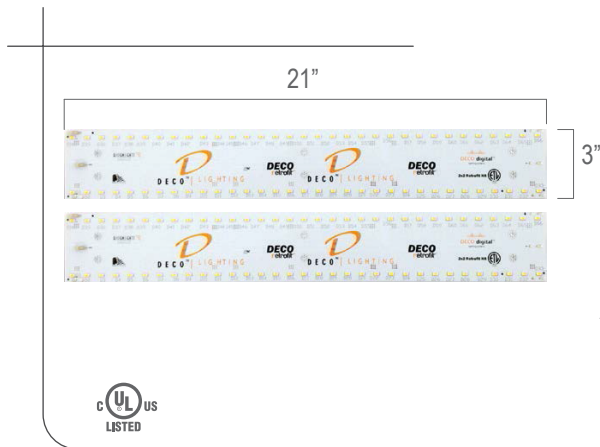
## Ordering Information:

Example: (LINEA-LED-22-35-30-UNV-DM)



Job Information
Type:
Catalog #:
Project:
Comments:
Prepared by:

Transforming tomorrow's lighting....today!



### Kit Includes

- (8) Self-Tapping Screws
- (1) Driver Screw
- (2-4) 2' LED Light panels
- (1) LED Driver
- (1) Installation Instructions
- (1) UL1598C Certification Label

### Description

The Linea Series 2ft and 4ft LED upgrade kit delivers 6500 lumens of enhanced spectrum 85 CRI light while achieving over 100 lumens per watt at the system level. This innovative kit is designed for retrofitting existing 2'x2' or 2'x4' fixtures to energy saving LED. The Linea Series is available in neutral or cool color temperatures and dimming comes standard. The Linea Series upgrade retrofit kit is easy to install and fits into almost any existing linear fluorescent fixture making it a perfect upgrade option where energy savings and long life are critical.

### Features

- Upgrade Existing 2'x2' & 2'x4' fixtures
- Full Definition Color Quality
- Efficacy: 130 Initial LPW
- System Delivered Light Output: 6500 lumens
- Fixture Delivered Light Output: 6000 lumens\*
- Input Power: 35-60 watts
- CRI: 85
- CCT: 3000K, 4000K, 5000K
- Input Voltage: 120-277 VAC
- Warranty: 10 years
- Lifetime: 219,000 hour LED Lifetime; Energy Star™
- Controls: 0-10V Dimming
- Mounting: Existing Recessed

### ORDERING INFORMATION:

Example: (LINEA-LED-22-35-30-UNV-DM)

LINEA-LED					
Series	Size	Wattage/Lumens	Color Temp.	Voltage	Options
LED Retrofit	14 - 1X4 22 - 2X2 24 - 2X4	35 - 35w/3500* 45 - 45w/4700* 60 - 60w/6500	30 - 3000K 40 - 4000K* 50 - 5000K	UNV - 120-277V	DM - Dimmable CSC - Control Scope Connected EM - Emergency DL - Diffuser Lens Overlay Parabolic

\*Indicates DLC listed.

\*LINEA Patent Pending\*

Rev Date: 7/29/14

Job Information
Type:
Catalog #:
Project:
Comments:
Prepared by:

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Diffuser Lens



- Overlay Sheet for lenses or louvers, contour inserts with perforated metals or reflecting surfaces . 73% transmission - White
- Material: Impact Acrylic
- Pattern: Matte/Satin
- Colors: White
- Thickness: .010"
- Max temp: 70°C

\*LINEA Patent Pending\*

Transforming tomorrow's lighting....today!

Job Information

Type:

Catalog #:

Project:

Comments:

Prepared by:

Product Specifications

FULL DEFINITION COLOR

- An enhanced spectrum color quality that delivers 85 CRI.

CONSTRUCTION & MATERIALS

- Lightweight aluminum housing provides strength and durability.
- Durable screw holes with integrated thermal tape for simple snap on design to fixture.

OPTICAL SYSTEM

- Measured and designed to achieve optimal light performance in existing fluorescent troffers.

ELECTRICAL SYSTEM

- Integral, high-efficiency driver and power supply.
- Power Factor = 0.9 nominal
- Input Power: Stays constant over life.
- Input Voltage: 120V-277V, 50/60Hz
- Temperature Rating: Designed to operate in temperatures 0-35° C
- Total Harmonic Distortion: < 20%

CONTROLS

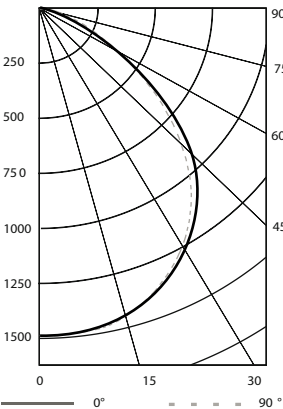
- Integrated Zigbee wireless controls.

REGULATORY & VOLUNTARY QUALIFICATIONS

- UL1598C (Retrofit Kit).
- cULus Listed.
- DLC listed.
- Suitable for damp locations.
- Designed for Indoor use.

Photometrics

Photometry



Coefficients Of Utilization

RCC %:	80			
RW %:	70	50	30	10
RCR: 0	119	119	119	119
1	110	107	104	100
2	102	96	90	85
3	95	85	78	73
4	87	77	69	63
5	81	69	61	55
6	75	63	55	49
7	70	57	49	44
8	65	53	45	39
9	61	48	41	35
10	57	45	37	32

Effective Floor Cavity Reflectance: 20%

Zonal Lumen Summary (2x2)

Zone	Lumens	Luminaire
0-30	1,339	36.9%
0-40	2,116	58.4%
0-60	3,129	86.3%
0-90	3,625	100%
0-180	3,625	100%

Zonal Lumen Summary (2x4)

Zone	Lumens	Luminaire
0-30	1,687	34.9%
0-40	2,768	57.2%
0-60	4,415	91.3%
0-90	4,835	100%
0-180	4,835	100%

Average Luminance (2x2)  
Table (cd/m2)  
Horizontal Angle

	0°	45°	90°
0°	1772	1772	1772
45°	789	811	784
55°	380	456	377
65°	244	253	249
75°	174	142	174
85°	64	47	62

Average Luminance (2x4)  
Table (cd/m2)  
Horizontal Angle

	0°	45°	90°
0°	6228	6228	6228
45°	3922	4031	3897
55°	2329	2794	2310
65°	2029	2104	2071
75°	2363	1928	2363
85°	2581	1895	2500

Vertical Angle

Vertical Angle

\*LINEA Patent Pending\*