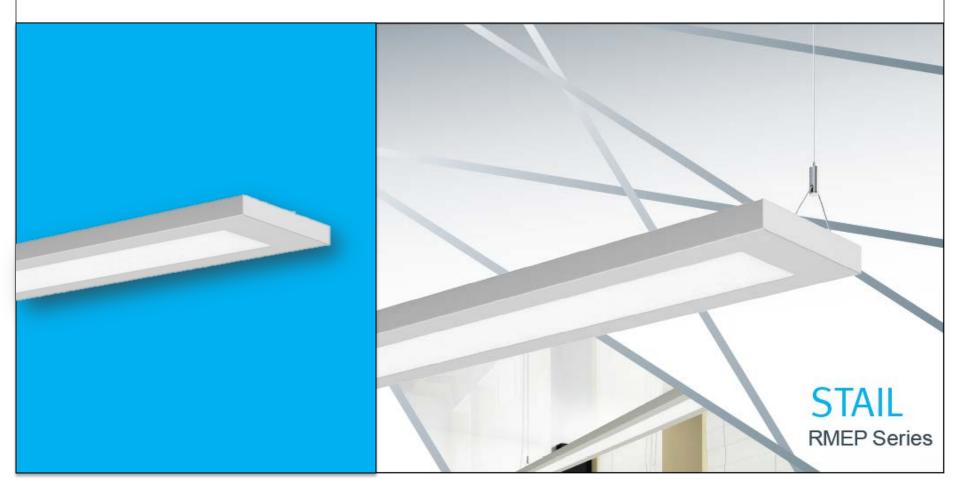
Stail LED Product introduction Nov 2014



Overview

- > Breadth of Line
 - Pendant: 4', 8', and continuous rows
- ➤ Light Engine Choices
 - Four Lumen Package Options
 - 3 CCTs: (3000K, 3500K, 4000K)
 - 83+ CRI
 - Binning: 3-step
 - L85 at 60,000 hours
- High Efficacy (4ft)
 - Up to 121 LPW
 - Ease of Installation
 - Quick-Grip field adjustable suspension system

- Control Flexibility
 - Standard 0-10V Dimming Driver
 - Occupancy sensor
 - Button PC Daylight sense
 - Motion sensor
 - DALI protocol
- New warranty
 - 5 year Warranty
- ➤ Listings/Compliances
 - cULus 1598
 - cULus Damp Location
 - IC Rated
 - DLC pending



Ideal for Office, Education, Healthcare

Metalumen

STAIL RMEP8 LED

LED . Surface. Pendant . Indirect/Direct



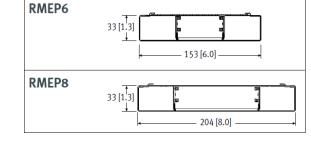








- Slim sleek profile
- > MetaLED Optical System
- > 4', 8' or continuous row.
- > 83+ CRI
- Silver finish (custom finish available)
- > 3000, 3500K & 4000K CCT
- Four lumen packages
- Up to 121 L/W
- Pendant application
- > 120-277V or 347V
- Class 2 Standard 0-10V Dimming (Down to 10%)
- > LM79 & LM80 compliant.
- > L85 @ 60,000h By TM21
- > cULus certified
- > Suitable for dry locations.

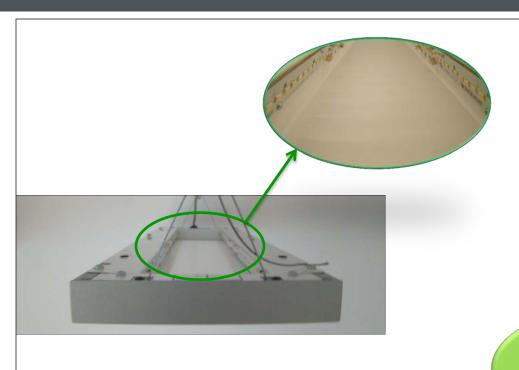


RMEP8L35K-4-ODCM-SG-L3

Luminaire Lumens: 5801
Input Watts: 48W
Efficacy (LPW): 121



Stail LED Series Suspended, Integral Driver

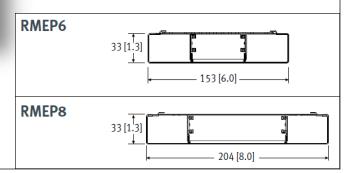


- 4', 8' and Continuous
- Efficacy
 - Up to 113 LPW
- Lumen Packages
 - RMEP6:3064, 3904, 5596, 10727
 - RMEP8: 3172, 4047, 5801, 11120
- Integral Controls

Up to 50% Energy Savings

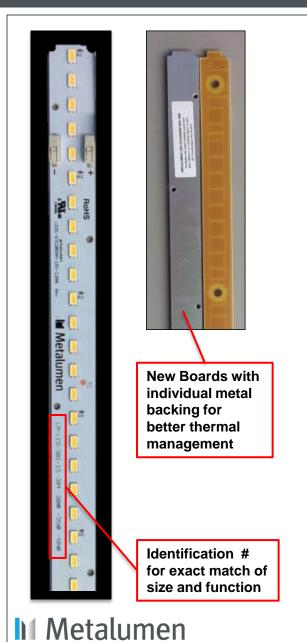
4' Stail RMEP Suspended LED light Level Outputs						
Wattago	Lumens Delivered		Efficacy (LPW)		Fluorescent	Energy
vvattage	RMEP6	RMEP8	RMEP6	RMEP8	Equivalent	Savings*
27	3064	3172	112	116	2T8/T5	48%
35	3904	4047	112	116	2T8/T5HO	36%
48	5596	5801	117	121	3T8/2T5/T5HO	50%
96	10727	11120	112	116	3Т5НО	46%
	35 48	Wattage Lumens E RMEP6 27 3064 35 3904 48 5596	Lumens Delivered RMEP6 RMEP8 27 3064 3172 35 3904 4047 48 5596 5801	Wattage Lumens Delivered Effic RMEP6 RMEP8 RMEP6 27 3064 3172 112 35 3904 4047 112 48 5596 5801 117	Wattage Lumens Delivered Efficacy (LPW) RMEP6 RMEP8 RMEP6 RMEP8 27 3064 3172 112 116 35 3904 4047 112 116 48 5596 5801 117 121	Wattage Lumens Delivered Efficacy (LPW) Fluorescent RMEP6 RMEP8 RMEP6 RMEP8 Equivalent 27 3064 3172 112 116 2T8/T5 35 3904 4047 112 116 2T8/T5HO 48 5596 5801 117 121 3T8/2T5/T5HO

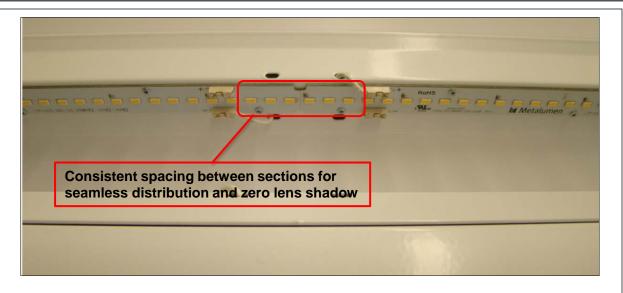
* Energy Savings based upon stabdrad lamp/ballast combination using an equivilant RMEP series





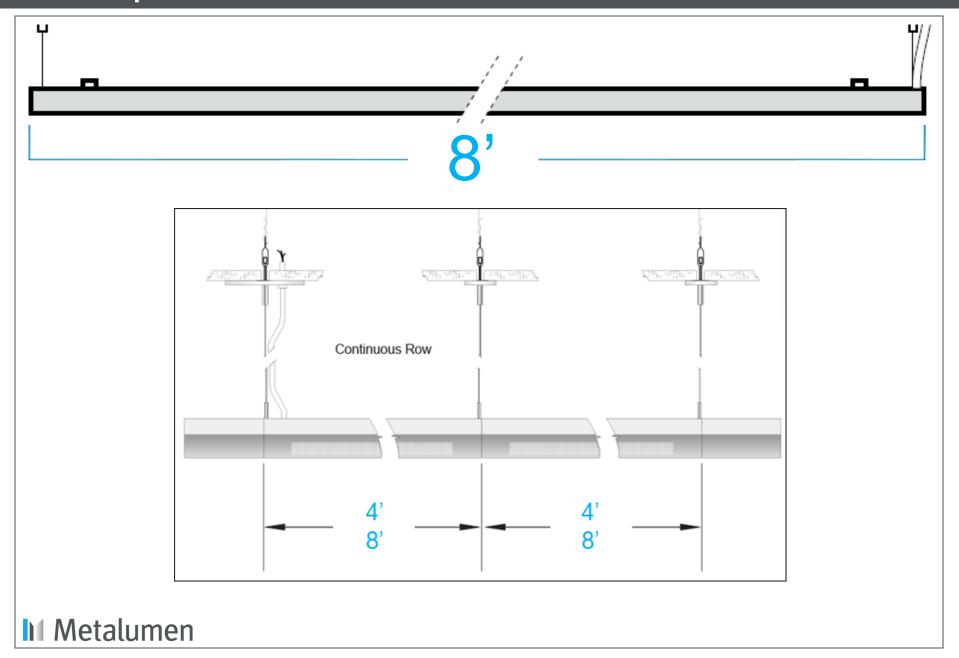
Metalumen's **NEW** LED Light Engine







Simple for the Contractor – Modular for Client



Stail LED/FL Comparison

17

Room Size: 26' x 44' Ceiling Height: 10' Work Plane: 2.5' Reflectance: 80/50/20 # of fixtures: 15



2T5 FL (2) 28W F28T5 lamps, 15 Fixtures, Electronic Ballast 66 watts per fixture 40

45

40

35

30

25

20

15

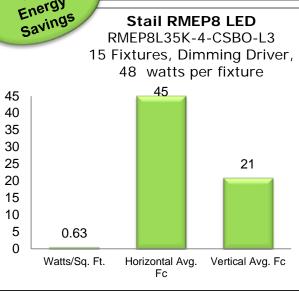
10

5

0

0.87

4782	Delivered Lumens	5799
66	Input Power (Watts)	48
72	Delivered LPW	121
0.87	Watts/Sq. Ft.	0.63
40	Horizontal Avg. Fc	45
53	Horizontal Max Fc	61
16	Horizontal Min Fc	20
3.31	Max/Min	3.05
17	Vertical Avg. Fc	21
80	CRI	83



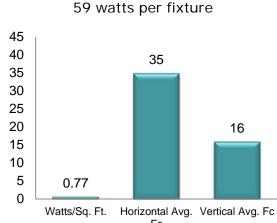
- All calculations are based on 4' fixtures -

1T5HOFL

Watts/Sq. Ft. Horizontal Avg. Vertical Avg. Fc

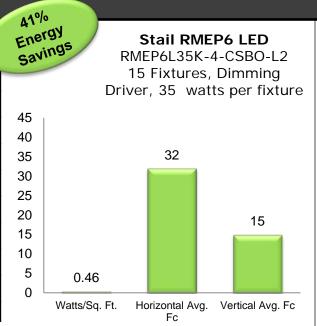
Fc

(1) 54W F54T5HO lamps 15 Fixtures, Electronic Ballast,

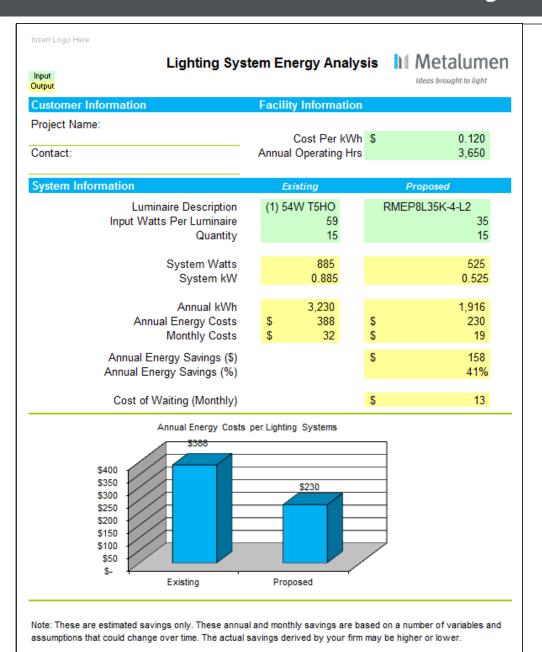


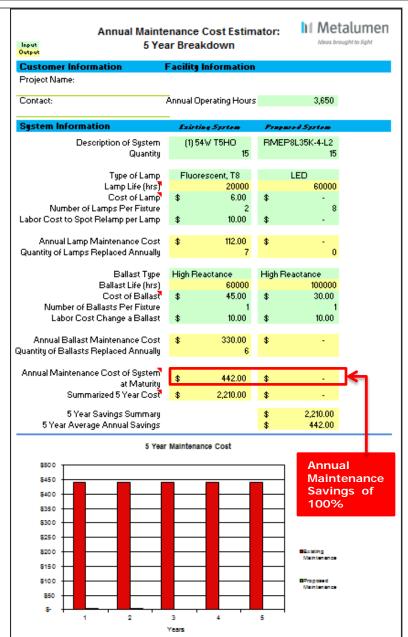
11 Metalumen

4144	Delivered Lumens	3905
59	Input Power (Watts)	35
70	Delivered LPW	112
0.77	Watts/Sq. Ft.	0.46
35	Horizontal Avg. Fc	32
47	Horizontal Max Fc	43
15	Horizontal Min Fc	14
3.13	Max/Min	3.07
16	Vertical Avg. Fc	15
80	CRI	83

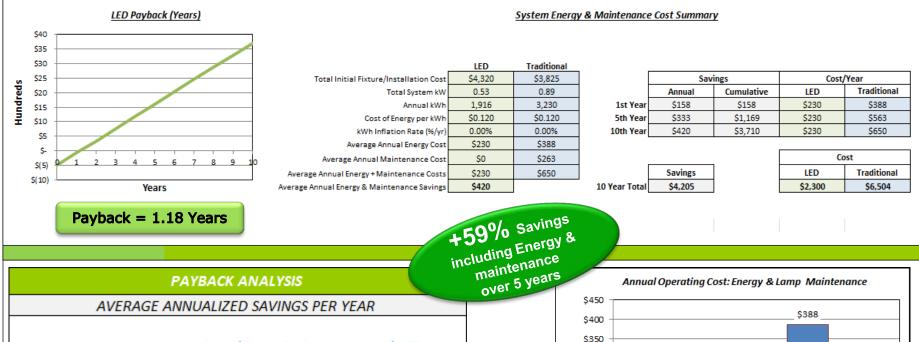


System energy Analysis





System Energy & Maintenance Savings



Annual Energy Savings \$ 158
Annual Lamp Maintenance Savings \$ 263
Annual Combined Savings \$ 420

Cost of Waiting (Monthly) \$ 35

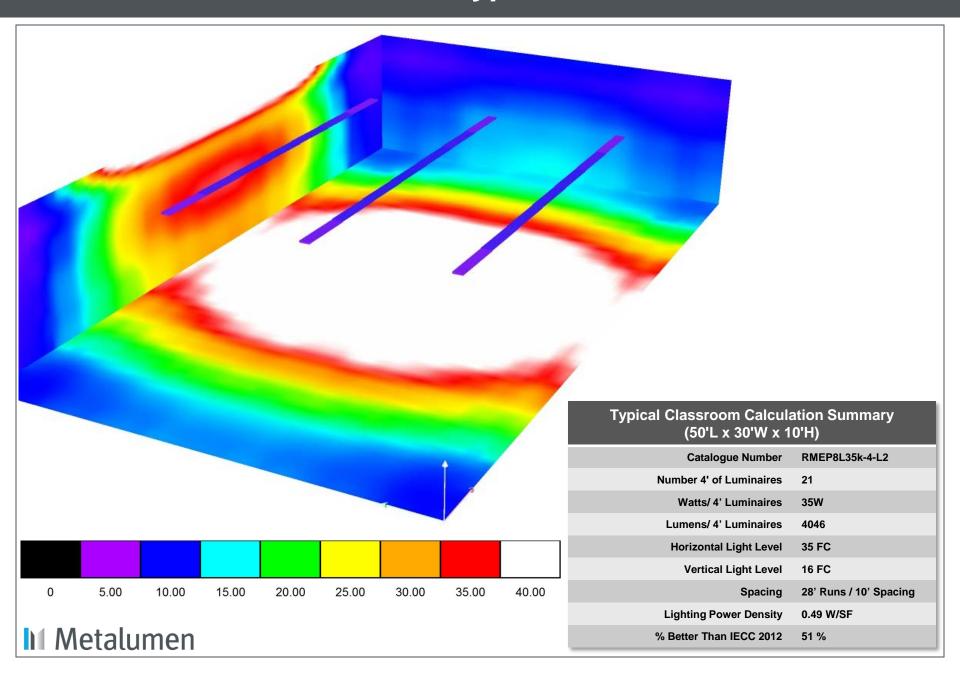
Simple Payback (years) 1.18
IRR (%) 85%
10 Year Cash Flow (Energy & Lamp Main.) \$ 3,710

\$450
\$400
\$350
\$350
\$300
\$250
\$150
\$100
\$50
\$LED
\$Traditional

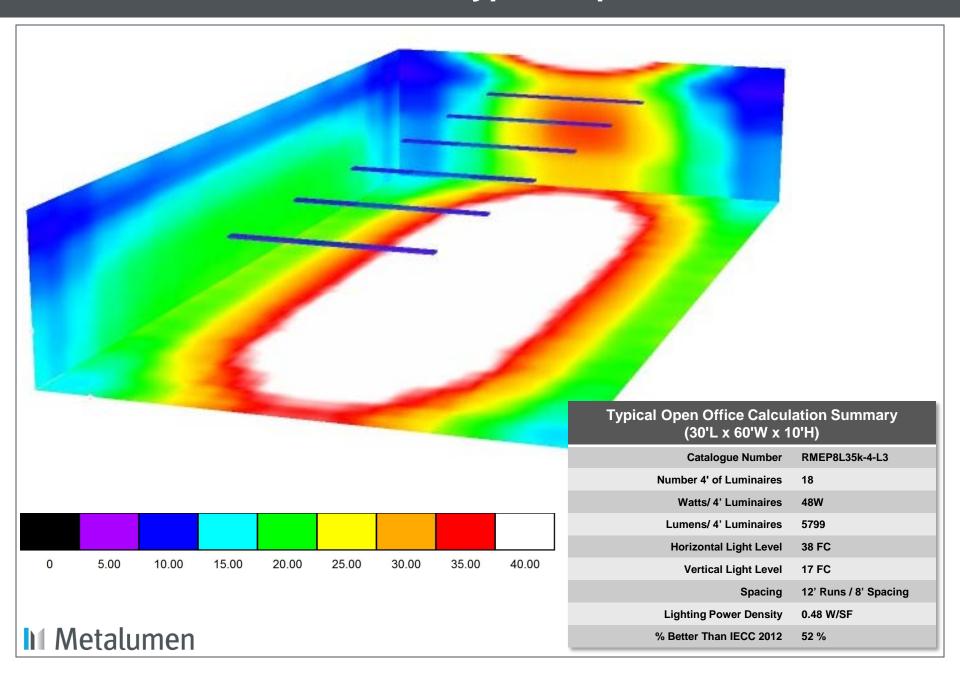
^{***} Calculation is based on actual LED fixture used in comparison to a 1-T5HO FL fixture. Assumptions are \$0.12 per KWh and 10 operating Hours/day (10h @ full power). These are estimated savings only. Annual and monthly savings are based on a number of variables and assumptions that could change over time. The actual savings derived by our firm may be higher or lower. Metalumen's business does not imply a warranty of performance or savings as calculated and shown within this document.



Typical Classroom Calculation



Typical Open Office Calculation



Shipping

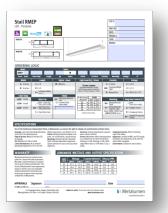
Standard Lead time: Ships in 4-6 weeks

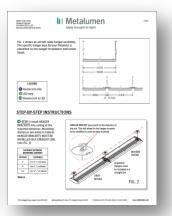
First 4 months of production: Ships in min 8 weeks

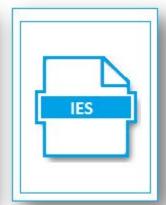


Sales Tools











Brochure

Spec Sheet

Installation Instructions

IES Files

Price Guide (Agent Portal)





FAQ Sizzle Sheet (Agent Portal)

New Product Intro

Competitive Analysis (Agent Portal)

