

PHILIPS

Recessed

EvoBase LED retrofit kits

2'x2' and 2'x4'



Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Philips EvoBase LED retrofit kit is an energy efficient LED alternative to traditional linear fluorescent troffers. Not only does it offer energy savings¹, it also helps reduce maintenance costs due to its long lifetime. Simple construction helps decrease the installation time meaning you can have an LED solution in your ceiling in just minutes.

Ordering guide (continued on next page)

Product Number	Description	Watts	Volts	Lumen Maintenance (Hrs.) ²	Approx. Lumens ³	CRI	Color Temperature (K)	Approximate Delivered Lumens ⁴
2'x4' SKUs								
509513	EvoBase 2X4 M 47L 42W 835 1 MK10 7 G1	42	120	70,000	4700	80	3500	4230
508879	EvoBase 2X4 M 47L 43W 835 5 MK10 7 G1	43	277	70,000	4700	80	3500	4230
509141	EvoBase 2X4 M 47L 41W 835 2 0-10 7 G1	41	120-277	70,000	4700	80	3500	4230
509158	EvoBase 2X4 M 48L 42W 840 1 MK10 7 G1	42	120	70,000	4800	80	4000	4320
509166	EvoBase 2X4 M 48L 43W 840 5 MK10 7 G1	43	277	70,000	4800	80	4000	4320
509174	EvoBase 2X4 M 48L 41W 840 2 0-10 7 G1	41	120-277	70,000	4800	80	4000	4320
509182	EvoBase 2X4 M 48L 42W 850 1 MK10 7 G1	42	120	70,000	4800	80	5000	4320
509190	EvoBase 2X4 M 48L 43W 850 5 MK10 7 G1	43	277	70,000	4800	80	5000	4320
509208	EvoBase 2X4 M 48L 41W 850 2 0-10 7 G1	41	120-277	70,000	4800	80	5000	4320
510669	EvoBase 2X4 M 39L 33W 835 1 MK10 7 G1	33	120	70,000	3900	80	3500	3510
510677	EvoBase 2X4 M 39L 34W 835 5 MK10 7 G1	34	277	70,000	3900	80	3500	3510
510685	EvoBase 2X4 M 39L 32W 835 2 0-10 7 G1	32	120-277	70,000	3900	80	3500	3510
510693	EvoBase 2X4 M 40L 33W 840 1 MK10 7 G1	33	120	70,000	4000	80	4000	3600
510701	EvoBase 2X4 M 40L 34W 840 5 MK10 7 G1	34	277	70,000	4000	80	4000	3600
510719	EvoBase 2X4 M 40L 34W 840 2 0-10 7 G1	34	120-277	70,000	4000	80	4000	3600
510727	EvoBase 2X4 M 40L 33W 850 1 MK10 7 G1	33	120	70,000	4000	80	5000	3600
510735	EvoBase 2X4 M 40L 34W 850 5 MK10 7 G1	34	277	70,000	4000	80	5000	3600
510743	EvoBase 2X4 M 40L 34W 850 2 0-10 7 G1	34	120-277	70,000	4000	80	5000	3600
511113	EvoBase 2X4 M 47L 42W 835 2 SR 7 G1	42	120-277	70,000	4700	80	3500	4230
511139	EvoBase 2X4 M 48L 42W 840 2 SR 7 G1	42	120-277	70,000	4800	80	4000	4320
511212	EvoBase 2X4 M 48L 42W 850 2 SR 7 G1	42	120-277	70,000	4800	80	5000	4320

See footnotes on page 4.

Note: 0-10 models are MTS all others are MTO



EvoBase LED retrofit kit 2'x2' and 2'x4'

Ordering guide (continued from previous page)

Product Number	Description	Watts	Volts	Lumen Maintenance (Hrs.) ²	Approx. Lumens ³	CRI	Color Temperature (K)	Approximate Delivered Lumens ⁴
2'x2' SKUs								
509216	EvoBase 2X2 M 35L 31W 835 1 MK10 7 G1	31	120	70,000	3500	80	3500	3150
509315	EvoBase 2X2 M 35L 32W 835 5 MK10 7 G1	32	277	70,000	3500	80	3500	3150
509349	EvoBase 2X2 M 35L 30W 835 2 0-10 7 G1	30	120-277	70,000	3500	80	3500	3150
509372	EvoBase 2X2 M 36L 31W 840 1 MK10 7 G1	31	120	70,000	3600	80	4000	3240
509380	EvoBase 2X2 M 36L 32W 840 5 MK10 7 G1	32	277	70,000	3600	80	4000	3240
509414	EvoBase 2X2 M 36L 30W 840 2 0-10 7 G1	30	120-277	70,000	3600	80	4000	3240
509588	EvoBase 2X2 M 36L 31W 850 1 MK10 7 G1	31	120	70,000	3600	80	5000	3240
509638	EvoBase 2X2 M 36L 32W 850 5 MK10 7 G1	32	277	70,000	3600	80	5000	3240
509661	EvoBase 2X2 M 36L 30W 850 2 0-10 7 G1	30	120-277	70,000	3600	80	5000	3240
510750	EvoBase 2X2 M 29L 24W 835 1 MK10 7 G1	24	120	70,000	2900	80	3500	2610
510800	EvoBase 2X2 M 29L 25W 835 5 MK10 7 G1	25	277	70,000	2900	80	3500	2610
510818	EvoBase 2X2 M 29L 25W 835 2 0-10 7 G1	25	120-277	70,000	2900	80	3500	2610
510826	EvoBase 2X2 M 30L 24W 840 1 MK10 7 G1	24	120	70,000	3000	80	4000	2700
510834	EvoBase 2X2 M 30L 25W 840 5 MK10 7 G1	25	277	70,000	3000	80	4000	2700
510842	EvoBase 2X2 M 30L 25W 840 2 0-10 7 G1	25	120-277	70,000	3000	80	4000	2700
510859	EvoBase 2X2 M 30L 24W 850 1 MK10 7 G1	24	120	70,000	3000	80	5000	2700
510933	EvoBase 2X2 M 30L 25W 850 5 MK10 7 G1	25	277	70,000	3000	80	5000	2700
511097	EvoBase 2X2 M 30L 25W 850 2 0-10 7 G1	25	120-277	70,000	3000	80	5000	2700
511220	EvoBase 2X2 M 35L 31W 835 2 SR 7 G1	31	120-277	70,000	3500	80	3500	3150
511279	EvoBase 2X2 M 36L 31W 840 2 SR 7 G1	31	120-277	70,000	3600	80	4000	3240
511295	EvoBase 2X2 M 36L 31W 850 2 SR 7 G1	31	120-277	70,000	3600	80	5000	3240

See footnotes on page 4.

Note: 0-10 models are MTS all others are MTO

Application

- A highly efficient, LED retrofit kit designed to upgrade recessed linear fluorescent troffers.
- Provides fluorescent-like uniform light distribution.
- Excellent color rendering with a CRI above 80.
- Extremely high efficacies up to 120 lumens per watt.
- LEDs are an excellent source for use with controls since dimming or frequent switching does not degrade the performance or life of the source.
- Designed to be used in lensed fluorescent troffers with a minimum depth of 3".
- High efficiency source and luminaire design help significantly reduce energy consumption and more easily comply with known energy codes.
- Helps meet regulation requirements such as ASHRAE 90.1 and Title 24 when matched with suitable controls.

Construction/Finish

- Simple design allows for quick installation (under 4 minutes) in existing luminaire without the need to break the ceiling plenum.

- Minimum depth of only 3" necessary to allow proper clearance and installation of the EvoBase.

Electrical

- Multiple driver options available
 - 0-10V dimming satisfies universal voltage requirements.
 - Mark10 leading edge dimming offers ability to dim without pulling neutral wires making it compatible with more existing systems.
- 5 year limited warranty includes all components of the retrofit kit, including driver, LED board and nonelectrical components.**
- Listed with ETL and Design Lights Consortium to ensure quality performance and safety standards are met.
- High efficiency LEDs have a minimum 70,000 hour rated life (L₇₀).

Enclosure

- Diffuser requires no frames or fasteners and can be easily removed from below without tools if needed.

Accessories

- Suitable for use with Philips 503441 emergency backup.
- Suitable for use with a wide range of control systems.

Prod. No.	Description
503441	EvoKit Field Installed Emergency Battery Backup

EvoBase LED retrofit kit 2'x2' and 2'x4'

EvoBase with new SimpleSet Technology for wireless lumen level programming

EvoBase with new SimpleSet Technology allows the maximum lumen level to be set prior to installation using a smartphone-based app without requiring power to the luminaire. Available in the 0-10V and SR versions only. The app can be downloaded at Google Play. Distributors can set lumen levels prior to shipping, and contractors can set lumen levels prior to installation. Lumen level is quickly and easily set in two steps:



Step 1: Place the smartphone next to the NFC antenna on the driver.

Step 2: Follow the on-screen instructions.

EvoBaseSR with Xitanium SR for connected lighting solutions

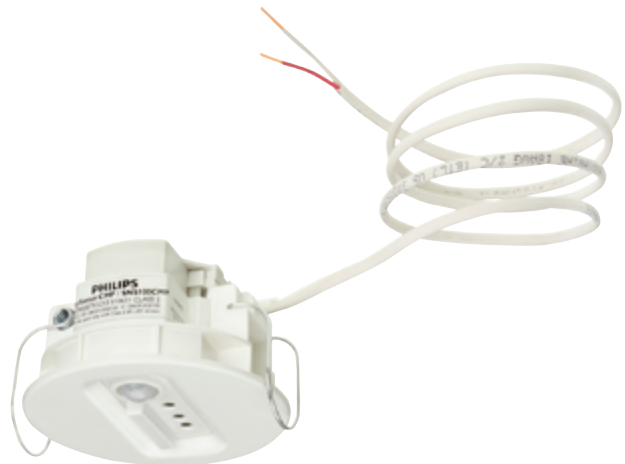
EvoBaseSR is a new platform that allows users to choose different control platforms to suit their needs and budget; from simple occupancy and daylight sensing to cloud-connected data-reporting sensing. This empowers users to fine-tune their energy use for reduced energy costs. Contact your Philips representative for a current list of approved sensors. Sensors are connected in the field with just a few simple steps:

Philips EasySense CMP sensor

Model: 929000755213/510651

The Philips EasySense CMP remote mounted sensor combines occupancy sensing, daylight harvesting and institutional tuning in a single, compact package for easy assembly. EasySense operates with the established Xitanium SR standard driver to make a simple two wire connection between the sensor and the driver, eliminating the need for multiple components and auxiliary devices. The result is a cost-effective and easy-to-design-in solution which is ideal for energy-savings and code-compliance strategies. Up to four kits can be connected to a single sensor. An intuitive smartphone app makes configuration during installation fast and easy. The app and password information can be found by following the link at the bottom of the webpage at Philips.com/evokit or Philips.com/easysense. The app is named PhilipsFieldApps.

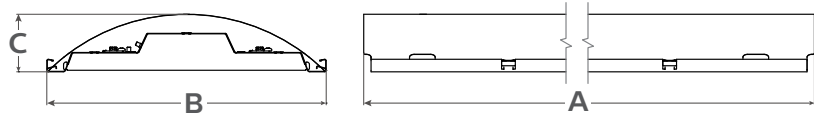
Visit www.philips.com/easysense for more detailed info.



EvoBase LED retrofit kit 2'x 2' and 2'x 4'

Dimensions

Size	A Housing Length	B Housing Width	C Height
2X2	20.906"	12.008"	3"
2X4	44.921"	12.008"	3"



Energy Saving Solution – 2X4

Present Wattage	85 W
x Annual Operating Hours	4,380 hrs
	= 372,300 watt-hours
÷1,000	= 372.3 kWh per year
x kWh rate of \$0.11	= \$40.95 per year
x 125 fixtures	= \$5,119.13 annual energy cost per space

Present Wattage	41 W
x Annual Operating Hours	4,380 hrs
	= 179,580 watt-hours
÷1,000	= 179.58 kWh per year
x kWh rate of \$0.11	= \$19.75 per year
x 125 fixtures	= \$2,468.75 annual energy cost per space

Total Estimated Annual Savings⁰ = \$2,650.38

⁰ Based on 125 fixtures per space operating 4,380 hours a year. 125 fixtures is roughly equivalent to a 10,000 square foot space. kWh rates will vary.

FOOTNOTES:

- 1) Please refer to the energy saving chart on page 4 for details.
- 2) L₇₀ 72,000 hours @ 35°C based on TM21 and LM80.
- 3) Based on photometric testing consistent with IES LM-79.
- 4) When installed in a reference luminaire assuming 90% optical efficiency.

- * "Made-To-Order" product is not kept in inventory. Minimum quantities will apply.
- ** These products do not meet DLC criteria.
- *** Please visit www.philips.com/warranties for full details.

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