



**PHILIPS**

Recessed

EvoBase LED  
Retrofit Kits

2'x2' and 2'x4'



# Renewed perspectives for **affordable linear LED retrofits**

Philips EvoBase LED retrofit kits are the easy, non-socketed transition into LED technology without the hassle of TLEDs or the expense of a complete luminaire replacement. EvoBase is a 3-in deep LED assembly that quickly and easily mounts within existing lensed luminaires from below the ceiling. Since it bypasses the sockets, perceived issues related to installation/operation and ballast condition are non-existent.

## Benefits

- Multiple configurations, lumen outputs and color temperatures offer flexibility to suit any application need and budget
- Installation, operation and maintenance savings through reduced energy consumption and installation time, and a long life compared to linear fluorescents, and reduced costs compared to complete luminaire replacements
- Enhanced savings through dimming and optional occupancy sensing/daylight harvesting
- Similar or better (lumen output and light distribution) performance to TLED without the hassle of using existing sockets and ballasts
- Mounts via hinged brackets, which allows unit to hang for easy electrical connections

## Key Features

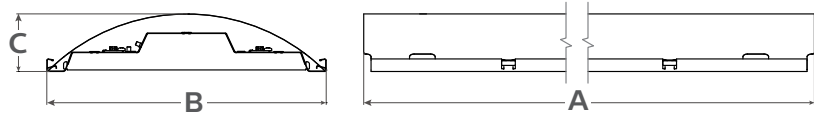
- 2x4 and 2x2 configurations (4800/4000 and 3600/3000 lumens, respectively)
- 3500/4000/5000 K color temperature range
- Module efficacy up to 125 lm/W.
- 0-10V and line voltage dimming
- Sensor Ready versions allows easy and quick integration with Philips and third-party sensor platforms
- Available EasySense CMP sensor integrates occupancy sensing, daylight harvesting, and lumen selection into a low-cost remote mountable module (SR option only). Configured via a smart phone based application.

## EvoBase LED Retrofit Kit 2'x2' and 2'x4'

With two configurations and three color temperatures, EvoBase can be used in almost any linear application, and the lumen output can be optionally set at the distributors warehouse or during installation using the optional smartphone-based SimpleSet application

### Dimensions

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



### 2'x4' Ordering guide

Philips Number	Grainger Number	Description	Watts	Volts	Lumen Maintenance (Hrs.) <sup>2</sup>	Approx. Lumens <sup>3</sup>	CRI	Color Temperature (K)	Approximate Delivered Lumens <sup>4</sup>
<b>2'x4' SKUs</b>									
509513	*509513	EvoBase 2X4 M 47L 42W 835 1 MK10 7 G1	42	120	70,000	4700	80	3500	4230
508879	*508879	EvoBase 2X4 M 47L 43W 835 5 MK10 7 G1	43	277	70,000	4700	80	3500	4230
509141	49JM74	EvoBase 2X4 M 47L 41W 835 2 0-10 7 G1	41	120-277	70,000	4700	80	3500	4230
509158	*509158	EvoBase 2X4 M 48L 42W 840 1 MK10 7 G1	42	120	70,000	4800	80	4000	4320
509166	*509166	EvoBase 2X4 M 48L 43W 840 5 MK10 7 G1	43	277	70,000	4800	80	4000	4320
509174	49JM75	EvoBase 2X4 M 48L 41W 840 2 0-10 7 G1	41	120-277	70,000	4800	80	4000	4320
509182	*509182	EvoBase 2X4 M 48L 42W 850 1 MK10 7 G1	42	120	70,000	4800	80	5000	4320
509190	*509190	EvoBase 2X4 M 48L 43W 850 5 MK10 7 G1	43	277	70,000	4800	80	5000	4320
509208	49JM76	EvoBase 2X4 M 48L 41W 850 2 0-10 7 G1	41	120-277	70,000	4800	80	5000	4320
510669	*510669	EvoBase 2X4 M 39L 33W 835 1 MK10 7 G1	33	120	70,000	3900	80	3500	3510
510677	*510677	EvoBase 2X4 M 39L 34W 835 5 MK10 7 G1	34	277	70,000	3900	80	3500	3510
510685	49JM77	EvoBase 2X4 M 39L 32W 835 2 0-10 7 G1	32	120-277	70,000	3900	80	3500	3510
510693	*510693	EvoBase 2X4 M 40L 33W 840 1 MK10 7 G1	33	120	70,000	4000	80	4000	3600
510701	*510701	EvoBase 2X4 M 40L 34W 840 5 MK10 7 G1	34	277	70,000	4000	80	4000	3600
510719	49JM78	EvoBase 2X4 M 40L 34W 840 2 0-10 7 G1	34	120-277	70,000	4000	80	4000	3600
510727	*510727	EvoBase 2X4 M 40L 33W 850 1 MK10 7 G1	33	120	70,000	4000	80	5000	3600
510735	*510735	EvoBase 2X4 M 40L 34W 850 5 MK10 7 G1	34	277	70,000	4000	80	5000	3600
510743	49JM79	EvoBase 2X4 M 40L 34W 850 2 0-10 7 G1	34	120-277	70,000	4000	80	5000	3600
511113	*511113	EvoBase 2X4 M 47L 42W 835 2 SR 7 G1	42	120-277	70,000	4700	80	3500	4230
511139	*511139	EvoBase 2X4 M 48L 42W 840 2 SR 7 G1	42	120-277	70,000	4800	80	4000	4320
511212	*511212	EvoBase 2X4 M 48L 42W 850 2 SR 7 G1	42	120-277	70,000	4800	80	5000	4320

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

SimpleSet Technology, available on the 0-10 and SR versions, allows the user to adjust maximum lumen levels via a smart phone based application.

\*Products available through Grainger sourcing only.



## 2'x2' Ordering guide

Philips Number	Grainger Number	Description	Watts	Volts	Lumen Maintenance (Hrs.) <sup>2</sup>	Approx. Lumens <sup>3</sup>	CRI	Color Temperature (K)	Approximate Delivered Lumens <sup>4</sup>
<b>2'x2' SKUs</b>									
509216	*509216	EvoBase 2X2 M 35L 31W 835 1 MK10 7 G1	31	120	70,000	3500	80	3500	3150
509315	*509315	EvoBase 2X2 M 35L 32W 835 5 MK10 7 G1	32	277	70,000	3500	80	3500	3150
509349	49JM68	EvoBase 2X2 M 35L 30W 835 2 0-10 7 G1	30	120-277	70,000	3500	80	3500	3150
509372	*509372	EvoBase 2X2 M 36L 31W 840 1 MK10 7 G1	31	120	70,000	3600	80	4000	3240
509380	*509380	EvoBase 2X2 M 36L 32W 840 5 MK10 7 G1	32	277	70,000	3600	80	4000	3240
509414	49JM69	EvoBase 2X2 M 36L 30W 840 2 0-10 7 G1	30	120-277	70,000	3600	80	4000	3240
509588	*509588	EvoBase 2X2 M 36L 31W 850 1 MK10 7 G1	31	120	70,000	3600	80	5000	3240
509638	*509638	EvoBase 2X2 M 36L 32W 850 5 MK10 7 G1	32	277	70,000	3600	80	5000	3240
509661	49JM70	EvoBase 2X2 M 36L 30W 850 2 0-10 7 G1	30	120-277	70,000	3600	80	5000	3240
510750	*510750	EvoBase 2X2 M 29L 24W 835 1 MK10 7 G1	24	120	70,000	2900	80	3500	2610
510800	*510800	EvoBase 2X2 M 29L 25W 835 5 MK10 7 G1	25	277	70,000	2900	80	3500	2610
510818	49JM71	EvoBase 2X2 M 29L 25W 835 2 0-10 7 G1	25	120-277	70,000	2900	80	3500	2610
510826	*510826	EvoBase 2X2 M 30L 24W 840 1 MK10 7 G1	24	120	70,000	3000	80	4000	2700
510834	*510834	EvoBase 2X2 M 30L 25W 840 5 MK10 7 G1	25	277	70,000	3000	80	4000	2700
510842	49JM72	EvoBase 2X2 M 30L 25W 840 2 0-10 7 G1	25	120-277	70,000	3000	80	4000	2700
510859	*510859	EvoBase 2X2 M 30L 24W 850 1 MK10 7 G1	24	120	70,000	3000	80	5000	2700
510933	*510933	EvoBase 2X2 M 30L 25W 850 5 MK10 7 G1	25	277	70,000	3000	80	5000	2700
511097	49JM73	EvoBase 2X2 M 30L 25W 850 2 0-10 7 G1	25	120-277	70,000	3000	80	5000	2700
511220	*511220	EvoBase 2X2 M 35L 31W 835 2 SR 7 G1	31	120-277	70,000	3500	80	3500	3150
511279	*511279	EvoBase 2X2 M 36L 31W 840 2 SR 7 G1	31	120-277	70,000	3600	80	4000	3240
511295	*511295	EvoBase 2X2 M 36L 31W 850 2 SR 7 G1	31	120-277	70,000	3600	80	5000	3240

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

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#### FOOTNOTES:

- 1) Please refer to the energy saving chart on page 4 for details.
- 2)  $L_{70}$  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.

## 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.

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## 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](http://Philips.com/evokit) or [Philips.com/easysense](http://Philips.com/easysense). The app is named PhilipsFieldApps.



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FOR THE ONES WHO GET IT DONE