PHILIPS

Recessed

EvoKit LED Retrofit Kit Gen 5



Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Philips EvoKit LED Retrofit kit gen 5 is an energy efficient LED alternative to traditional linear fluorescent troffers that also helps reduce maintenance costs due to its long lifetime. Simple construction helps decrease installation times offering an installed LED solution within minutes.

Products can be found on the DLC QPL by searching the 6 digit product number. Additional information can be found at www.philips.com/evokit.

EvoKit with 0-10V Dimming ordering guide

Product No. (6NC)	Description	Watts (W)[1]	Volts (V)	Lumen Maintenance (hours)[2]	Approx. Lumens (lm)[3]	Color Temp. (K)	Efficacy (lm/W)
0-10V Dimming							
527978	EvoKit 2x2 21L 15W 835 UNV 0-10 G5	15W	120-277	70,000	2100	3500	140
527986	EvoKit 2x2 21L 14W 840 UNV 0-10 G5	14W	120-277	70,000	2100	4000	150
527994	EvoKit 2x2 21L 14W 850 UNV 0-10 G5	14W	120-277	70,000	2100	5000	150
528000	EvoKit 2x2 31L 22W 835 UNV 0-10 G5	22W	120-277	70,000	3100	3500	135
♦ 528018	EvoKit 2x2 31L 22W 840 UNV 0-10 G5	22W	120-277	70,000	3100	4000	141
528026	EvoKit 2x2 31L 22W 850 UNV 0-10 G5	22W	120-277	70,000	3100	5000	141
528455	EvoKit 2x2 31L 23W 935 UNV 0-10 G5	23W	120-277	70,000	3100	3500	135
528034	EvoKit 2X4 36L 25W 835 UNV 0-10 G5	25W	120-277	70,000	3600	3500	144
528042	EvoKit 2X4 36L 25W 840 UNV 0-10 G5	25W	120-277	70,000	3600	4000	144
528059	EvoKit 2X4 36L 25W 850 UNV 0-10 G5	25W	120-277	70,000	3600	5000	144
528067	EvoKit 2X4 42L 28W 835 UNV 0-10 G5	28W	120-277	70,000	4200	3500	145
♦ 528075	EvoKit 2X4 42L 28W 840 UNV 0-10 G5	28W	120-277	70,000	4200	4000	150
528083	EvoKit 2X4 42L 28W 850 UNV 0-10 G5	28W	120-277	70,000	4200	5000	150
528643	EvoKit 2X4 42L 32W 935 UNV 0-10 G5	32W	120-277	70,000	4200	3500	131
High Efficiency 0-10 V Dimming							
528091	Evokit HE 2x2 21L 14W 835 UNV 0-10 G5	14W	120-277	70,000	2100	3500	153
528109	Evokit HE 2x2 21L 13W 840 UNV 0-10 G5	13W	120-277	70,000	2100	4000	162
528125	Evokit HE 2x2 31L 21W 835 UNV 0-10 G5	21W	120-277	70,000	3100	3500	148
528133	Evokit HE 2x2 31L 20W 840 UNV 0-10 G5	20W	120-277	70,000	3100	4000	155
528141	Evokit HE 2x2 31L 20W 850 UNV 0-10 G5	20W	120-277	70,000	3100	5000	155
528158	Evokit HE 2x4 30L 19W 835 UNV 0-10 G5	19W	120-277	70,000	3000	3500	158
528166	Evokit HE 2x4 30L 19W 840 UNV 0-10 G5	19W	120-277	70,000	3000	4000	158
528174	Evokit HE 2X4 36L 23W 835 UNV 0-10 G5	23W	120-277	70,000	3600	3500	157
528182	Evokit HE 2X4 36L 22W 840 UNV 0-10 G5	22W	120-277	70,000	3600	4000	164
528208	Evokit HE 2X4 42L 26W 835 UNV 0-10 G5	26W	120-277	70,000	4200	3500	158
528216	Evokit HE 2X4 42L 26W 840 UNV 0-10 G5	26W	120-277	70,000	4200	4000	162
528224	Evokit HE 2X4 42L 26W 850 UNV 0-10 G5	26W	120-277	70,000	4200	5000	162
528232	Evokit HE 2X4 47L 31W 835 UNV 0-10 G5	31W	120-277	70,000	4700	3500	152
528240	Evokit HE 2X4 47L 30W 840 UNV 0-10 G5	30W	120-277	70,000	4700	4000	157

Product family will be discontinued and inventory is available while supplies last. Please reach out to your sales representative for substitute items to the EvoKit Click product line.

♦ Made to stock product (Contact your Philips sales representative for stock availability and lead time).

Contact your Philips sales representative for availability and lead time.

See footnotes on the last page.

Not all product variations listed on this page are DLC qualified. To ensure that a specific model is qualified, visit www.designlights.org/search

RoHS COMPLIANT

interact ready.

EvoKit LED retrofit kit gen 5

Buy American Compliant** Evokit with 0-10V Dimming Ordering Guide

Product No. (6NC)	Description	Watts (W)[1]	Volts (V)	Lumen Maintenance (hours)[2]	Approx. Lumens (lm)[3]	Color Temp. (K)	Efficacy (lm/W)
Step Dimming							
528299	Evokit HE 2x2 31L 22W 835 UNV STEP G5	22W	120-277	70,000	3100	3500	142
528307	Evokit HE 2x2 31L 21W 840 UNV STEP G5	21W	120-277	70,000	3100	4000	148
528315	Evokit HE 2X4 42L 28W 835 UNV STEP G5	28W	120-277	70,000	4200	3500	150
528323	Evokit HE 2X4 42L 28W 840 UNV STEP G5	28W	120-277	70,000	4200	4000	150
0-10 G5 BAC							
*	EvoKit 2x2 21L 15W 835 0-10 G5 BAC	15W	120-277	70,000	2100	3500	140
	EvoKit 2x2 21L 14W 840 0-10 G5 BAC	14W	120-277	70,000	2100	4000	150
	EvoKit 2x2 21L 14W 850 0-10 G5 BAC	14W	120-277	70,000	2100	5000	150
	EvoKit 2x2 31L 22W 835 0-10 G5 BAC	22W	120-277	70,000	3100	3500	135
	EvoKit 2x2 31L 22W 840 0-10 G5 BAC	22W	120-277	70,000	3100	4000	141
	EvoKit 2x2 31L 22W 850 0-10 G5 BAC	22W	120-277	70,000	3100	5000	141
	EvoKit 2x2 31L 23W 935 0-10 G5 BAC	23W	120-277	70,000	3100	3500	135
	EvoKit 2X4 36L 25W 835 0-10 G5 BAC	25W	120-277	70,000	3600	3500	144
	EvoKit 2X4 36L 25W 840 0-10 G5 BAC	25W	120-277	70,000	3600	4000	144
	EvoKit 2X4 36L 25W 850 0-10 G5 BAC	25W	120-277	70,000	3600	5000	144
	EvoKit 2X4 42L 28W 835 0-10 G5 BAC	28W	120-277	70,000	4200	3500	145
	EvoKit 2X4 42L 28W 840 0-10 G5 BAC	28W	120-277	70,000	4200	4000	150
	EvoKit 2X4 42L 28W 850 0-10 G5 BAC	28W	120-277	70,000	4200	5000	150
	EvoKit 2X4 42L 32W 935 0-10 G5 BAC	32W	120-277	70,000	4200	3500	131
0-10 G5 HE BAC							
*	Evokit HE 2x2 21L 14W 835 0-10 G5 BAC	14W	120-277	70,000	2100	3500	153
	Evokit HE 2x2 21L 13W 840 0-10 G5 BAC	13W	120-277	70,000	2100	4000	162
	Evokit HE 2x2 31L 21W 835 0-10 G5 BAC	21W	120-277	70,000	3100	3500	148
	Evokit HE 2x2 31L 20W 840 0-10 G5 BAC	20W	120-277	70,000	3100	4000	155
	Evokit HE 2x2 31L 20W 850 0-10 G5 BAC	20W	120-277	70,000	3100	5000	155
	Evokit HE 2x4 30L 19W 835 0-10 G5 BAC	19W	120-277	70,000	3000	3500	158
	Evokit HE 2x4 30L 19W 840 0-10 G5 BAC	19W	120-277	70,000	3000	4000	158
	Evokit HE 2X4 36L 23W 835 0-10 G5 BAC	23W	120-277	70,000	3600	3500	157
	Evokit HE 2X4 36L 22W 840 0-10 G5 BAC	22W	120-277	70,000	3600	4000	164
	Evokit HE 2X4 42L 26W 835 0-10 G5 BAC	26W	120-277	70,000	4200	3500	158
	Evokit HE 2X4 42L 26W 840 0-10 G5 BAC	26W	120-277	70,000	4200	4000	162
	Evokit HE 2X4 42L 26W 850 0-10 G5 BAC	26W	120-277	70,000	4200	5000	162
	Evokit HE 2X4 47L 31W 835 0-10 G5 BAC	31W	120-277	70,000	4700	3500	152
	Evokit HE 2X4 47L 30W 840 0-10 G5 BAC	30W	120-277	70,000	4700	4000	157
Step Dimming BAC							
*	Evokit HE 2x2 31L 22W 835 UNV STEP G5 BAC	22W	120-277	70,000	3100	3500	142
	Evokit HE 2x2 31L 21W 840 UNV STEP G5 BAC	21W	120-277	70,000	3100	4000	148
	Evokit HE 2X4 42L 28W 835 UNV STEP G5 BAC	28W	120-277	70,000	4200	3500	150
	Evokit HE 2X4 42L 28W 840 UNV STEP G5 BAC	28W	120-277	70,000	4200	4000	150

* for Product No. and Model No. please contact Philips Account Manager

** Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving.

EvoKit LED retrofit kit gen 5

EvoKit with Interact Pro scalable SWZCS ordering guide

Product No. (6NC)	Description	Watts (W)[1]	Volts (V)	Lumen Maintenance (hours)[2]	Approx. Lumens (lm)[3]	Color Temp. (K)	Efficacy (lm/W)
Interact Pro scalable SWZCS							
114033	EvoKit 2x2 31L 23W 935 UNV SWZCS G5	23W	120-277	70,000	3100	3500	135
114041	EvoKit 2x4 42L 32W 935 UNV SWZCS G5	32W	120-277	70,000	4200	3500	131
270777	EvoKit 2x4 47L 37W 935 UNV SWZCS G5	37W	120-277	70,000	4700	3500	127
High Efficiency Interact Pro scalable SWZCS							
113977	Evokit HE 2x2 31L 20W 835 UNV SWZCS G5	20W	120-277	70,000	3100	3500	155
113985	Evokit HE 2x2 31L 20W 840 UNV SWZCS G5	20W	120-277	70,000	3100	4000	155
113993	Evokit HE 2x4 42L 26W 835 UNV SWZCS G5	26W	120-277	70,000	4200	3500	162
114009	Evokit HE 2x4 42L 26W 840 UNV SWZCS G5	26W	120-277	70,000	4200	4000	162
114017	Evokit HE 2x4 47L 31W 835 UNV SWZCS G5	31W	120-277	70,000	4700	3500	152
114025	Evokit HE 2x4 47L 30W 840 UNV SWZCS G5	30W	120-277	70,000	4700	4000	157

See footnotes on the last page.

Buy American Act Compliant** Evokit with Interact Pro Scalable SWZCS ordering guide

Product No. (6NC)	Description	Watts (W)[1]	Volts (V)	Lumen Maintenance (hours)[2]	Approx. Lumens (lm)[3]	Color Temp. (K)	Efficacy (lm/W)
Interact Pro Scalable SWZCS							
*	EvoKit 2x2 31L 23W 935 SWZCS G5 BAC	23W	120-277	70,000	3100	3500	135
	EvoKit 2x4 42L 32W 935 SWZCS G5 BAC	32W	120-277	70,000	4200	3500	131
	EvoKit 2x4 47L 37W 935 SWZCS G5 BAC	37W	120-277	70,000	4700	3500	127
High Efficiency Interact Pro scalable SWZCS							
*	Evokit HE 2x2 31L 20W 835 SWZCS G5 BAC	20W	120-277	70,000	3100	3500	155
	Evokit HE 2x2 31L 20W 840 SWZCS G5 BAC	20W	120-277	70,000	3100	4000	155
	Evokit HE 2x4 42L 26W 835 SWZCS G5 BAC	26W	120-277	70,000	4200	3500	162
	Evokit HE 2x4 42L 26W 840 SWZCS G5 BAC	26W	120-277	70,000	4200	4000	162
	Evokit HE 2x4 47L 31W 835 SWZCS G5 BAC	31W	120-277	70,000	4700	3500	152
	Evokit HE 2x4 47L 30W 840 SWZCS G5 BAC	30W	120-277	70,000	4700	4000	157

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Interact Pro scalable sensor for Foundation, Advanced & Enterprise tiers (SWZCS and an evolution of SpaceWise)

- SWZCS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity. The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
- Compatible with:
  - SWS200 wireless scene switch
  - IRT9015 – handheld remote for grouping and configuration(at least one remote required for any SWZCS installation)
- For more information on Interact Pro visit: **www.interact-lighting.com/interact-proscalablesystem**
- For more information on Interact Ready visit: **www.philips.com/interact-ready**

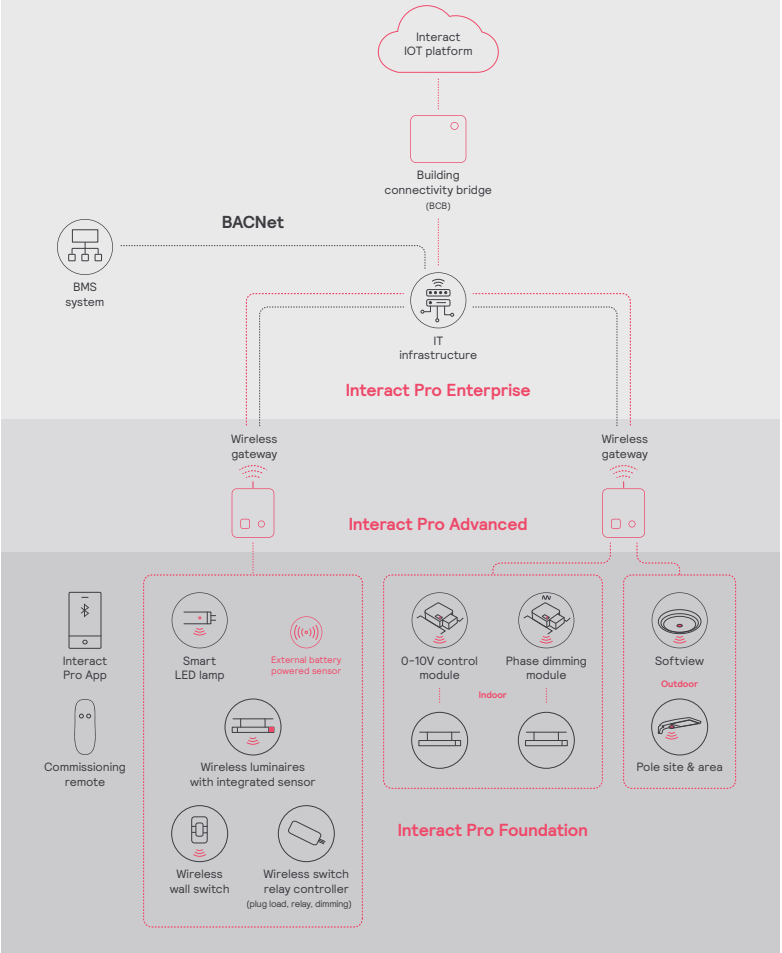
EvoKit LED retrofit kit gen 5

	Interact Pro scalable system		
			
	Foundation	**Advanced**	**Enterprise**
Dimming, grouping, and zoning	✓	✓	✓
Bluetooth and ZigBee enabled	✓	✓	✓
Motion sensing and daylight harvesting	✓	✓	✓
Integration with 0-10V and phase dimming fixtures	✓	✓	✓
Code compliance	✓	✓	✓
Granular dimming and dwell time	✓	✓	✓
Energy reporting and monitoring		✓	✓
Scheduling		✓	✓
Demand response		✓	✓
BMS integration (BACnet)			✓
Floor plan visualization			✓
IoT sensors for wellness			✓
IoT Apps for productivity			✓

Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
• luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
• sensors	30
• switches	50
• zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16



EvoKit LED retrofit kit gen 5

EvoKit with Spacewise SWZDT ordering guide

Product No. (6NC)	Description	Watts (W)[1]	Volts (V)	Lumen Maintenance (hours)[2]	Approx. Lumens (lm)[3]	Color Temp. (K)	Efficacy (lm/W)
Spacewise SWZDT							
528471	EvoKit 2x2 31L 23W 935 UNV SWZDT G5	23W	120-277	70,000	3100	3500	
528489	EvoKit 2x4 42L 32W 935 UNV SWZDT G5	32W	120-277	70,000	4200	3500	
High Efficiency Spacewise SWZDT							
528331	Evokit HE 2x2 31L 20W 835 UNV SWZDT G5	20W	120-277	70,000	3100	3500	152
528349	Evokit HE 2x2 31L 20W 840 UNV SWZDT G5	20W	120-277	70,000	3100	4000	155
528356	Evokit HE 2x2 31L 20W 850 UNV SWZDT G5	20W	120-277	70,000	3100	5000	155
528380	Evokit HE 2x4 42L 26W 835 UNV SWZDT G5	26W	120-277	70,000	4200	3500	159
528398	Evokit HE 2x4 42L 26W 840 UNV SWZDT G5	26W	120-277	70,000	4200	4000	162
528406	Evokit HE 2x4 42L 26W 850 UNV SWZDT G5	26W	120-277	70,000	4200	5000	162
528414	Evokit HE 2x4 47L 31W 835 UNV SWZDT G5	31W	120-277	70,000	4700	3500	152
528422	Evokit HE 2x4 47L 30W 840 UNV SWZDT G5	30W	120-277	70,000	4700	4000	157

See footnotes on the last page.

♦ Made to stock product (Contact your Philips sales representative for stock availability and lead time).

Buy American Act Compliant** Evokit with Spacewise SWZDT ordering guide

Product No. (6NC)	Description	Watts (W)[1]	Volts (V)	Lumen Maintenance (hours)[2]	Approx. Lumens (lm)[3]	Color Temp. (K)	Efficacy (lm/W)
Spacewise SWZDT							
*	EvoKit 2x2 31L 23W 935 SWZDT G5 BAC	23W	120-277	70,000	3100	3500	135
	EvoKit 2x4 42L 32W 935 SWZDT G5 BAC	32W	120-277	70,000	4200	3500	131
High Efficiency Spacewise SWZDT							
*	Evokit HE 2x2 31L 20W 835 SWZDT G5 BAC	20W	120-277	70,000	3100	3500	152
	Evokit HE 2x2 31L 20W 840 SWZDT G5 BAC	20W	120-277	70,000	3100	4000	155
	Evokit HE 2x2 31L 20W 850 SWZDT G5 BAC	20W	120-277	70,000	3100	5000	155
	Evokit HE 2x4 42L 26W 835 SWZDT G5 BAC	26W	120-277	70,000	4200	3500	159
	Evokit HE 2x4 42L 26W 840 SWZDT G5 BAC	26W	120-277	70,000	4200	4000	162
	Evokit HE 2x4 42L 26W 850 SWZDT G5 BAC	26W	120-277	70,000	4200	5000	162
	Evokit HE 2x4 47L 31W 835 SWZDT G5 BAC	31W	120-277	70,000	4700	3500	152
	Evokit HE 2x4 47L 30W 840 SWZDT G5 BAC	30W	120-277	70,000	4700	4000	157

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SpaceWise SWZDT

- Standalone daylight and occupancy sensing with advanced grouping, wireless mesh networking and dwell time.
- Commissioning via compatible Android phone and Philips Field App
- Dimming via compatible Zigbee wireless wall switch only (see link below for details)
- Register for the commissioning app at http://registration.componentcloud.philips.com/appregistration/
- Integral sensing options may not be combined
- For more information including recommended switches, refer to the following: –

  SWZDT – www.usa.lighting.philips.com/systems/lighting-systems/spacewise

EvoKit LED retrofit kit gen 5

EvoKit with air return ordering guide

Product No. (6NC)	Description	Watts (W)[1]	Volts (V)	Lumen Maintenance (hours)[2]	Approx. Lumens (lm)[3]	Color Temp. (K)	Efficacy (lm/W)
High Efficiency 0-10 V Dimming - Air Return							
528257	Evokit HE 2x2 A 31L 21W 835 UNV 0-10 G5	21W	120-277	70,000	3100	3500	148
528265	Evokit HE 2x2 A 31L 20W 840 UNV 0-10 G5	20W	120-277	70,000	3100	4000	155
528273	Evokit HE 2x4 A 47L 31W 835 UNV 0-10 G5	31W	120-277	70,000	4700	3500	152
528281	Evokit HE 2x4 A 47L 30W 840 UNV 0-10 G5	30W	120-277	70,000	4700	4000	157
High Efficiency Spacewise - Air Return							
528364	EvoKit HE 2x2 A 31L 20W 835 UNV SWZDT G5	20W	120-277	70,000	3100	3500	152
528372	EvoKit HE 2x2 A 31L 20W 840 UNV SWZDT G5	20W	120-277	70,000	3100	4000	155
528430	EvoKit HE 2x4 A 47L 31W 835 UNV SWZDT G5	31W	120-277	70,000	4700	3500	152
528448	EvoKit HE 2x4 A 47L 30W 840 UNV SWZDT G5	30W	120-277	70,000	4700	4000	157
High Efficiency Interact Pro scalable - Air Return							
114058	EvoKit HE 2x2 A 31L 20W 835 UNV SWZCS G5	20W	120-277	70,000	3100	3500	155
114066	EvoKit HE 2x2 A 31L 20W 840 UNV SWZCS G5	20W	120-277	70,000	3100	4000	155
114074	EvoKit HE 2x4 A 47L 31W 835 UNV SWZCS G5	31W	120-277	70,000	4700	3500	152
114082	EvoKit HE 2x4 A 47L 30W 840 UNV SWZCS G5	30W	120-277	70,000	4700	4000	157

See footnotes on the last page.

Buy American Act Compliant** Evokit with air return ordering guide

Product No. (6NC)	Description	Watts (W)[1]	Volts (V)	Lumen Maintenance (hours)[2]	Approx. Lumens (lm)[3]	Color Temp. (K)	Efficacy (lm/W)
High Efficiency 0-10 V Dimming - Air Return							
*	Evokit HE 2x2 A 31L 21W 835 0-10 G5 BAC	21W	120-277	70,000	3100	3500	148
	Evokit HE 2x2 A 31L 20W 840 0-10 G5 BAC	20W	120-277	70,000	3100	4000	155
	Evokit HE 2x4 A 47L 31W 835 0-10 G5 BAC	31W	120-277	70,000	4700	3500	152
	Evokit HE 2x4 A 47L 30W 840 0-10 G5 BAC	30W	120-277	70,000	4700	4000	157
High Efficiency Spacewise - Air Return							
*	Evokit HE 2x2 A 31L 20W 835 SWZDT G5 BAC	20W	120-277	70,000	3100	3500	152
	Evokit HE 2x2 A 31L 20W 840 SWZDT G5 BAC	20W	120-277	70,000	3100	4000	155
	Evokit HE 2x4 A 47L 31W 835 SWZDT G5 BAC	31W	120-277	70,000	4700	3500	152
	Evokit HE 2x4 A 47L 30W 840 SWZDT G5 BAC	30W	120-277	70,000	4700	4000	157
High Efficiency Interact Pro scalable - Air Return							
*	Evokit HE 2x2 A 31L 20W 835 SWZCS G5 BAC	20W	120-277	70,000	3100	3500	155
	Evokit HE 2x2 A 31L 20W 840 SWZCS G5 BAC	20W	120-277	70,000	3100	4000	155
	Evokit HE 2x4 A 47L 31W 835 SWZCS G5 BAC	31W	120-277	70,000	4700	3500	152
	Evokit HE 2x4 A 47L 30W 840 SWZCS G5 BAC	30W	120-277	70,000	4700	4000	157

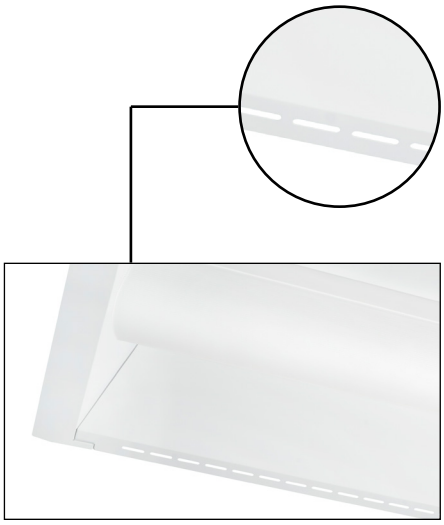
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EvoKit LED retrofit kit gen 5

Air Return data

The air return versions of EvoKit are suitable for retrofitting listed air return troffers.



2x2 air return data

Return Air Volume, SCFM.	61	69	80	97	112	131
Negative Static Pressure, in. H_20	0.11	0.15	0.20	0.30	0.40	0.55
Noise Criteria (NC)*	17	21	25	31	34	38

Note: 24 total air slots, each 30mm x 6mm.

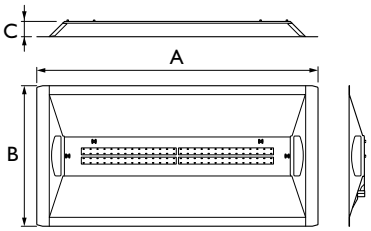
2x4 air return data

Return Air Volume, SCFM.	105	119	128	162	259	272
Negative Static Pressure, in. H_20	0.05	0.08	0.10	0.20	0.45	0.55
Noise Criteria (NC)*	<15	32	32	36	38	40

Note: 50 total air slots, each 30mm x 6mm.

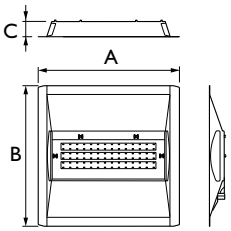
Dimensions 2x4

A Face Plate Length	B Face Plate Width	C Face Plate Height
47.83"	23.9"	2.95"



Dimensions 2x2

A Face Plate Length	B Face Plate Width	C Face Plate Height
23.9"	23.9"	2.95"



EvoKit LED retrofit kit gen 5

Application

- A highly efficient, visually comfortable, architecturally styled LED retrofit kit designed to replace recessed linear fluorescent troffers.
- Unique modular design offers refreshing new look in the ceiling when compared to traditional fluorescent luminaires.
- Single light bar combined with slanted troffer helps reflect light to reduce glare and provide uniform light distribution making it ideal for applications such as offices, schools, healthcare and retail.
- Excellent color rendering with a CRI above 80.
- Extremely high efficacies up to 164 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 for use with standard grid (NEMA “G”) or Narrow Grid (NEMA “NFG”) ceiling T-Grids.
- 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 in existing luminaire without the need to break the ceiling plenum.
- Constructed using galvanized steel which helps fight rust and makes for more durable product.
- Integrated securement tabs for securement to existing troffer housing.
- Minimum depth of only 3" necessary to allow proper clearance and installation of the EvoKit.
- Retrofit kit is powder coated after fabrication with high quality, durable finish to ensure no unfinished edges and avoid future potential of corrosion.
- Components fit together easily without the need for tools during installation.

Electrical

- Multiple driver options available
  - Philips Advance Xitanium SR driver enables SpaceWise DT control system.
  - Philips Advance drivers with 0-10V dimming allow for maximum fixture efficiency and provide 10% dimming.
- 7-year limited warranty in the HE (High Efficiency) units or 5-year limited warranty the other units includes all components of the retrofit kit, including driver, LED board and nonelectrical components.* Visit signify.com/warranties for complete Warranty information.
- Listed with UL and Design Lights Consortium** to ensure quality performance and safety standards are met.
- High efficiency LEDs have a minimum 70,000 hour rated life (L_{70}).

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 or with Philips ER100 UL924 emergency relay.
- Earthquake cables available for additional securement to the existing troffer for areas where required.

Prod. No.	Description
502435	Earthquake cable 317mm
517987	EvoKit 2x4 replacement lens ribbed
517748	EvoKit 2x4 replacement lens smooth
517979	EvoKit 2x2 replacement lens ribbed
517755	EvoKit 2x2 replacement lens smooth
503441	EvoKit field installed emergency battery backup (requires the use of emergency brackets)
517730	EvoKit emergency brackets kit (comes in pack of 4). Two emergency brackets needed per battery pack.
ER100/00	EvoKit field installed ER100 UL924 emergency relay (requires the use of two emergency brackets and of the ER100 field installation kit of wires and screws)
266833	EvoKit ER100 field install kit (comes in pack of 20). One pack needed per emergency relay

* Please visit www.philips.com/warranties for full details.

** Evokit luminaires are Design Lights Consortium qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL).

EvoKit with new SimpleSet technology for wireless lumen level programming

EvoKit 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 HE versions only. The app can be downloaded at Google Play. Please contact your Philips representative for the current list of approved Android smartphones. 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:



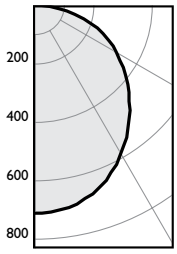


Step 1: Place the smartphone next to the NFC antenna on the driver.

Step 2: Follow the on-screen instructions.

EvoKit LED retrofit kit gen 5

EvoKit gen 5 LED, 2'x2', 21L, 14W, 80 CRI, 3500K CCT, UNV 0-10, 2100 delivered lumens



Cat. No.
527978

Test No.
104271456CHI-001

S/MH
1.2

Lumens/Watt
136

Input Watts
15

The photometric results were obtained in the Design Lights Consortium Test Lab which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on tests performed in compliance with LM-79.

Candlepower

	0	22.5	45	67.5	90
0	708	708	708	708	708
5	704	705	704	705	706
10	699	697	699	699	699
15	684	680	681	683	684
20	659	654	656	658	659
25	626	619	623	626	628
30	588	580	585	590	588
35	544	537	544	549	592
40	495	488	497	505	508
45	442	437	448	458	462
50	389	385	399	413	418
55	335	333	351	367	373
60	282	282	303	282	328
70	175	183	208	322	231
75	123	135	158	172	176
80	73	88	105	114	116
85	32	41	52	57	58
90	0	0	0	0	0

Zonal lumens & percentages

Zone	Lumens	%Fixture
0-20	259	13%
0-30	545	27%
0-40	884	44%
0-60	1541	77%
0-80	1949	94%
0-90	2000	100%

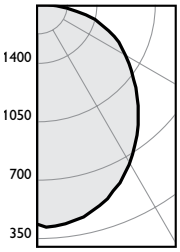
Average Luminance

Angle	0°	45°	90°
45	841	851	879
55	786	822	875
65	724	816	894
75	637	821	913
85	486	797	898

Coefficients of utilization

Ceiling	80%			70%			50%	
Wall	70	50	30	70	50	30	50	30
RCR	Zonal cavity method - Effective floor reflectance = 20%							
Room Cavity Ratio 0	119	119	119	116	116	116	111	111
1	108	104	99	106	101	97	97	94
2	98	90	83	96	88	82	84	79
3	90	79	71	87	77	70	74	68
4	82	70	61	80	68	60	66	59
5	75	62	53	73	61	53	59	51
6	70	56	47	68	55	47	53	46
7	64	51	42	63	50	42	48	41
8	60	46	38	58	46	37	44	37
9	56	43	34	55	42	34	41	33
10	53	39	31	51	39	31	38	31

EvoKit gen 5 LED, 2'x4', 36L, 26W, 80 CRI, 3500K CCT, UNV 0-10, 3700 delivered lumens



Cat. No.
528034

Test No.
104271456CHI-003

S/MH
1.2

Lumens/Watt
142

Input Watts
26

The photometric results were obtained in the Design Lights Consortium Test Lab which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on tests performed in compliance with LM-79.

Candlepower

	0	22.5	45	67.5	90
0	1300	1300	1300	1300	1300
5	1281	1283	1293	1306	1317
10	1267	1268	1280	1293	1302
15	1241	1237	1248	1262	1271
20	1198	1190	1202	1216	1225
25	1142	1131	1143	1157	1165
30	1073	1060	1074	1088	1096
35	992	980	995	1010	1017
40	902	890	908	925	934
45	804	794	816	838	848
50	705	697	724	754	767
55	602	600	635	674	689
60	502	504	551	596	614
65	403	414	471	520	537
70	305	330	392	439	454
75	212	248	308	346	359
80	127	170	215	237	241
85	52	87	110	119	120
90	0	0	0	0	0

Zonal lumens & percentages

Zone	Lumens	%Fixture
0-20	475	13%
0-30	1002	27%
0-40	1623	44%
0-60	2820	76%
0-80	3588	97%
0-90	3695	100%

Average Luminance

Angle	0°	45°	90°
45	1528	1551	1612
55	1412	1487	1615
65	1280	1499	1709
75	1103	1602	1865
85	802	1701	1845

Coefficients of utilization

Ceiling	80%			70%			50%	
Wall	70	50	30	70	50	30	50	30
RCR	Zonal cavity method - Effective floor reflectance = 20%							
Room Cavity Ratio 0	119	119	119	116	116	116	111	111
1	108	104	99	106	101	97	97	94
2	98	90	83	96	88	82	85	79
3	90	79	71	87	77	70	74	68
4	82	70	61	80	69	60	66	59
5	75	62	53	73	61	53	59	52
6	70	56	47	68	55	47	53	46
7	65	51	42	63	50	42	48	41
8	60	46	38	58	46	37	44	37
9	56	43	34	55	42	34	41	34
10	53	39	31	51	39	31	38	31

EvoKit LED retrofit kit gen 5

Energy saving solution – EvoKit 2'x4'

Estimated lighting costs using a standard 3 lamp T8 troffer		
Present wattage	85	W
× Annual operating hours	4,380	hrs
=	372,300	Watt-Hours
÷ 1,000 =	372.3	kWh per year (rates will vary)
× kWh rate of $0.10 =	$37.23	per year
× 125 fixtures	$4,653.75	annual energy cost per space

Estimated lighting costs using a Philips 42L 2x4 Evokit G4		
Present wattage	26	W
× Annual operating hours	4,380	hrs
=	113,880	Watt-Hours
÷ 1,000 =	113.88	kWh per year (rates will vary)
× kWh rate of $0.10 =	$11.39	per year
× 125 fixtures	$1,423.50	annual energy cost per space
Total estimated annual savings◊	**$3,230.25**	

◊ Based on 125 fixtures per space operating 4,380 hours a year.
125 fixtures is roughly equivalent to a 10,000 square foot space.

Footnotes:

1. L70 72,000 hours @ 35°C based on TM21 and LM80.
2. Based on photometric testing consistent with IES LM-79. Actual wattage may differ by +/- 10%. Actual initial lumen output may vary between -10 and +10% of the rated lumens.
3. 0-10V Dimming products that are not HE (High Efficiency) do not support lumen level tuning with SimpleSet technology using the MultiOne Mobile smartphone app.

♦ Made to stock product (Contact your Philips sales representative for stock availability and lead time).

Restrictions on Hazardous Substances (RoHS) is a European directive (2002/95/EC) designed to limit the content of 6 substances [lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE)] in electrical and electrical products. For products used in North America, compliance with RoHS is voluntary and self-certified.

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