PHILIPS

Recessed

EvoKit Click LED Retrofit Kit 2x4

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Philips EvoKit click LED retrofit kit is an aesthetically pleasing and energy efficient LED retrofit kit designed to deliver a refreshed sleek and modern look with minimal material waste. Not only does it offer energy savings[1], it also helps reduce maintenance and installation costs due to its modular design, bulk packaging, and long LED lifetime.

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 Click 2x4 with 0-10V Dimming ordering guide

	Product Number	Description	Watts[3]	Volts	Lumen Maint. (Hrs.)[2]	Approx. Lumens[3]	Color Temp. (K)	Efficacy	Dim	Pkg	DLC Code
	CLK										
	523548	EvoKit CLK 2x4 30L 27W 835 UNV 0-10 P4	27W	120-277	70,000	3000	3500	111	0-10	4 Pack	PDINWGCP
	523555	EvoKit CLK 2x4 30L 27W 840 UNV 0-10 P4	27W	120-277	70,000	3000	4000	111	0-10	4 Pack	P242F7YA
♦	523563	EvoKit CLK 2x4 42L 38W 835 UNV 0-10 P4	38W	120-277	70,000	4200	3500	111	0-10	4 Pack	PZWCK3EC
♦	523571	EvoKit CLK 2x4 42L 38W 840 UNV 0-10 P4	38W	120-277	70,000	4200	4000	111	0-10	4 Pack	PRN9O49H
	521153	EvoKit CLK 2x4 30L 27W 835 UNV 0-10 P1	27W	120-277	70,000	3000	3500	111	0-10	Single Pack	PJGFL2RH
	520205	EvoKit CLK 2x4 30L 27W 840 UNV 0-10 P1	27W	120-277	70,000	3000	4000	111	0-10	Single Pack	PJ93CM4B
	521187	EvoKit CLK 2x4 42L 38W 835 UNV 0-10 P1	38W	120-277	70,000	4200	3500	111	0-10	Single Pack	PU53DVS4
	520213	EvoKit CLK 2x4 42L 38W 840 UNV 0-10 P1	38W	120-277	70,000	4200	4000	111	0-10	Single Pack	PZPM9OK2
	CLKE (Energy Efficient)										
	523662	EvoKit CLKE 2x4 30L 21W 840 UNV 0-10 P4	21W	120-277	70,000	3000	4000	149	0-10	4 Pack	PGMEGJZR
	523688	EvoKit CLKE 2x4 36L 27W 840 UNV 0-10 P4	27W	120-277	70,000	3600	4000	145	0-10	4 Pack	P1KDSH9R
♦	523704	EvoKit CLKE 2x4 42L 30W 835 UNV 0-10 P4	30W	120-277	70,000	4200	3500	139	0-10	4 Pack	PM0UHBXD
♦	523720	EvoKit CLKE 2x4 42L 30W 840 UNV 0-10 P4	30W	120-277	70,000	4200	4000	144	0-10	4 Pack	PD7HU98K
	521419	EvoKit CLKE 2x4 30L 21W 835 UNV 0-10 P1	21W	120-277	70,000	3000	3500	144	0-10	Single Pack	PSMZ3UQV
	521450	EvoKit CLKE 2x4 30L 21W 840 UNV 0-10 P1	21W	120-277	70,000	3000	4000	149	0-10	Single Pack	PJYSUHHO
	520262	EvoKit CLKE 2x4 36L 27W 835 UNV 0-10 P1	27W	120-277	70,000	3600	3500	140	0-10	Single Pack	PNQMPG9W
	520270	EvoKit CLKE 2x4 36L 27W 840 UNV 0-10 P1	27W	120-277	70,000	3600	4000	145	0-10	Single Pack	PFQLXWNV
♦	520288	EvoKit CLKE 2x4 42L 30W 835 UNV 0-10 P1	30W	120-277	70,000	4200	3500	139	0-10	Single Pack	P1W5T132
	520296	EvoKit CLKE 2x4 42L 30W 840 UNV 0-10 P1	30W	120-277	70,000	4200	4000	144	0-10	Single Pack	P9S1IOOY
	521567	EvoKit CLKE 2x4 47L 34W 835 UNV 0-10 P1	34W	120-277	70,000	4700	3500	136	0-10	Single Pack	PRJDIE8B
	521583	EvoKit CLKE 2x4 47L 34W 840 UNV 0-10 P1	34W	120-277	70,000	4700	4000	141	0-10	Single Pack	PGYMV5GR
	524389	EvoKit CLKE 2x4 36L 27W 850 UNV 0-10 P4	27W	120-277	70,000	3600	5000	141	0-10	4 Pack	PQOEIDFK
	524397	EvoKit CLKE 2x4 42L 30W 850 UNV 0-10 P1	30W	120-277	70,000	4200	5000	139	0-10	Single Pack	PC8S13FO
	525303	EvoKit CLKE 2x4 42L 30W 830 UNV 0-10 P1	30W	120-277	70,000	4200	3000	128	0-10	Single Pack	P6YLJ4LC
	525311	EvoKit CLKE 2x4 47L 34W 830 UNV 0-10 P1	34W	120-277	70,000	4700	3000	125	0-10	Single Pack	PS86L40M

See footnotes on the last page.
♦ Made to stock product (Contact your Philips sales representative for stock availability and lead time).

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 Click LED retrofit kit 2x4

EvoKit Click 2x4 with Interact Pro scalable SWZCS ordering guide

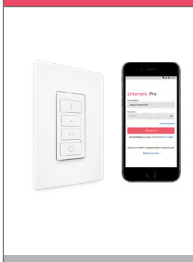
Product Number	Description	Watts[3]	Volts	Lumen Maint. (Hrs.)[2]	Approx. Lumens[3]	Color Temp. (K)	Efficacy	Dim	Pkg	DLC Code
CLKE SWZCS (Energy Efficient Interact Pro scalable)										
121392	EvoKit CLKE 2x4 42L 29W 840 UNV SWZCS P4	29W	120-277	70,000	4200	4000	144	SWZCS	4 Pack	
121400	EvoKit CLKE 2x4 42L 29W 835 UNV SWZCS P1	29W	120-277	70,000	4200	3500	141	SWZCS	Single Pack	
121426	EvoKit CLKE 2x4 42L 29W 840 UNV SWZCS P1	29W	120-277	70,000	4200	4000	144	SWZCS	Single Pack	
121442	EvoKit CLKE 2x4 47L 34W 835 UNV SWZCS P1	34W	120-277	70,000	4700	3500	136	SWZCS	Single Pack	
121467	EvoKit CLKE 2x4 47L 34W 840 UNV SWZCS P1	34W	120-277	70,000	4700	4000	141	SWZCS	Single Pack	

See footnotes on the last page.

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:
  - UID8451/10 wireless dimmer switch
  - 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/interactproscalablesystem
- For more information on Interact Ready visit: www.philips.com/interact-ready

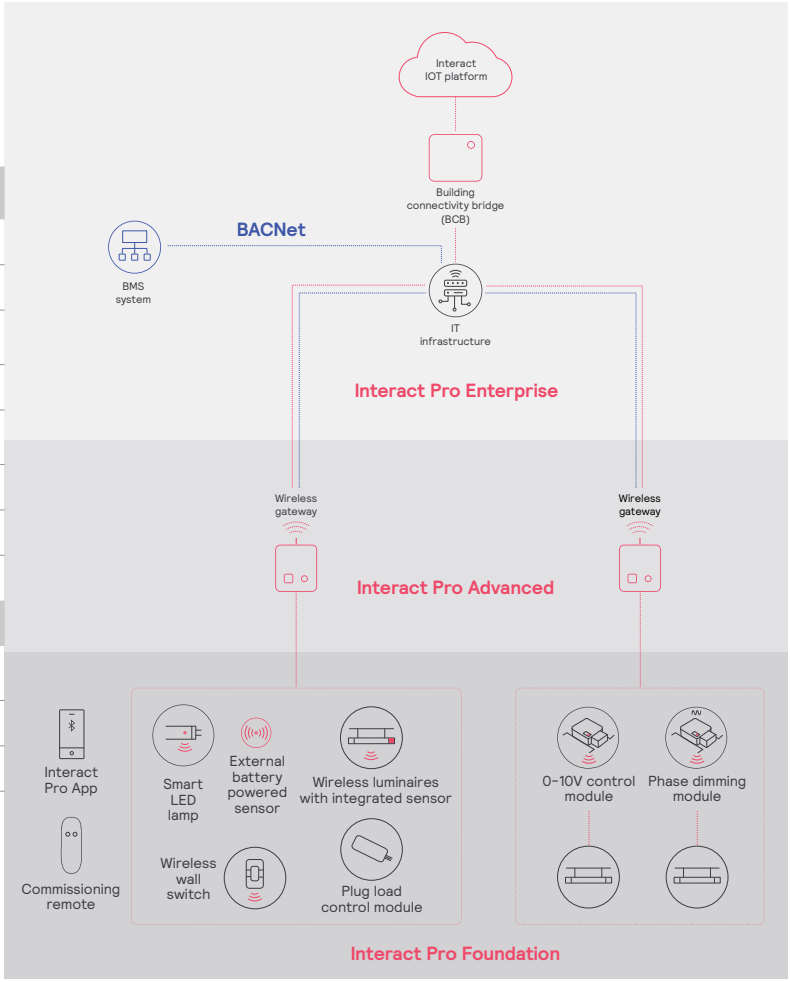
EvoKit Click LED retrofit kit 2x4

	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 Click LED retrofit kit 2x4

EvoKit Click 2x4 with Spacewise SWZDT ordering guide

Product Number	Description	Watts[3]	Volts	Lumen Maint. (Hrs.)[2]	Approx. Lumens[3]	Color Temp. (K)	Efficacy	Dim	Pkg	DLC Code
CLKE SWZDT (Energy Efficient SpaceWise DT)										
♦ 523886	EvoKit CLKE 2x4 42L 29W 840 UNV SWZ P4	29W	120-277	70,000	4200	4000	144	SWZDT	4 Pack	PGHJGPF1
♦ 523498	EvoKit CLKE 2x4 42L 29W 835 UNV SWZ P1	29W	120-277	70,000	4200	3500	139	SWZDT	Single Pack	PLMZAJXS
523506	EvoKit CLKE 2x4 42L 29W 840 UNV SWZ P1	29W	120-277	70,000	4200	4000	144	SWZDT	Single Pack	PKQO4RN8
523829	EvoKit CLKE 2x4 47L 34W 835 UNV SWZ P1	34W	120-277	70,000	4700	3500	136	SWZDT	Single Pack	PV7X9U4E
523837	EvoKit CLKE 2x4 47L 34W 840 UNV SWZ P1	34W	120-277	70,000	4700	4000	141	SWZDT	Single Pack	PSA78XL7

See footnotes on the last page.

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

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 Click LED retrofit kit 2x4

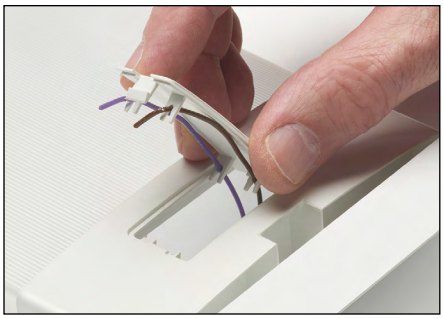
EvoKit Click 2x4 Sensor Ready ordering guide

Product Number	Description	Watts[3]	Volts	Lumen Maint. (Hrs.)[2]	Approx. Lumens[3]	Color Temp. (K)	Efficacy	Dim	Pkg	DLC Code
CLKE SR (Energy Efficient Sensor Ready)										
523670	EvoKit CLKE 2x4 30L 22W 840 UNV SR P4	22W	120-277	70,000	3000	4000	136	SR	4 Pack	P1K4KUIR
523696	EvoKit CLKE 2x4 36L 28W 840 UNV SR P4	28W	120-277	70,000	3600	4000	132	SR	4 Pack	PPEPMA9U
523712	EvoKit CLKE 2x4 42L 32W 835 UNV SR P4	32W	120-277	70,000	4200	3500	131	SR	4 Pack	PAY6299T
523738	EvoKit CLKE 2x4 42L 32W 840 UNV SR P4	32W	120-277	70,000	4200	4000	132	SR	4 Pack	P6CV06DL
521427	EvoKit CLKE 2x4 30L 22W 835 UNV SR P1	22W	120-277	70,000	3000	3500	131	SR	Single Pack	PFUXC34S
521468	EvoKit CLKE 2x4 30L 22W 840 UNV SR P1	22W	120-277	70,000	3000	4000	136	SR	Single Pack	PQGC5S80
521476	EvoKit CLKE 2x4 36L 28W 835 UNV SR P1	28W	120-277	70,000	3600	3500	131	SR	Single Pack	PJNOWT2J
521500	EvoKit CLKE 2x4 36L 28W 840 UNV SR P1	28W	120-277	70,000	3600	4000	132	SR	Single Pack	PCPFICK6
521534	EvoKit CLKE 2x4 42L 32W 835 UNV SR P1	32W	120-277	70,000	4200	3500	131	SR	Single Pack	PO7K9LMU
520304	EvoKit CLKE 2x4 42L 32W 840 UNV SR P1	32W	120-277	70,000	4200	4000	132	SR	Single Pack	PQFXJL79
521575	EvoKit CLKE 2x4 47L 36W 835 UNV SR P1	36W	120-277	70,000	4700	3500	131	SR	Single Pack	PA6H9GOV
521591	EvoKit CLKE 2x4 47L 36W 840 UNV SR P1	36W	120-277	70,000	4700	4000	132	SR	Single Pack	PV1N97YA

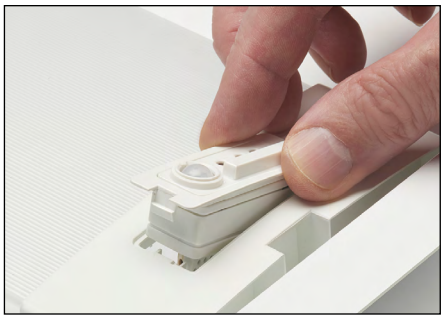
See footnotes on the last page.

EvoKit Sensor Ready (SR) with Philips Advance Xitanium SR for connected lighting solutions

EvoKit SR 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. Various Interact, Philips SpaceWise, and EasySense controls are available. Please refer to Philips.com/Evokit for details. Contact your Philips representative for a current list of additional approved sensors. Sensors are connected in the field with just a few simple steps:



Step 1: EvoKit click SR is shipped with a plate covering the sensor hole. There are two wires secured to the back of the plate. The plate can be removed before or after you install the EvoKit click SR in the ceiling.



Step 2: Remove the two wires that were secured to the back of the plate and insert them in an approved sensor for use with EvoKit. They are not polarity sensitive.

Step 3. An adapter bracket is shipped with every EvoKit click SR. Install this adapter ring to the sensor and make sure it is securely fit. Then place the sensor and adapter bracket into the EvoKit SR endcap.

EvoKit bulk pack

EvoKit click is designed to reduce the hidden environmental costs of lighting retrofits. With newly designed multi-unit packaging for EvoKit click, cardboard waste from the 2x4 and 2x2 troffer kits has been reduced by 66% and 77% respectively compared to its predecessor, EvoKit Gen4.

Previously, only 24 kits were able to fit on a single pallet, but, with the new multi-unit packaging, 60 2x4 kits fit on one pallet. This allows for 3,840 units to be fully loaded onto a 53' truck compared to 1,536 units of the previous generation. This results in 2.5x better transportation utilization and storage capacity with the EvoKit click.

Commercial Product Name	Order Code
EasySense EVO200	516575
Philips single rocker self powered wireless switch	UID8451/10

* EVO200 comes pre-installed in the Gen4 bracket. To install in EvoKit click, this bracket will need removed in the field. Please see www.philips.com/evokit for instructions on removing bracket.

EvoKit Click LED retrofit kit 2x4

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 149 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.
- EvoKit click is designed for use in most recessed troffers. Some existing fixtures may have features which interfere. Please refer to schematics below.

Enclosure 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. in addition the light module can be removed from below the ceiling for continent maintenance and upgrades

Electrical

- Multiple driver options available
  - Philips Advance CertaDrive drivers with 0-10V dimming allow for maximum fixture efficiency and provide 10% dimming.
  - Philips Advance Xitanium SR drivers allow for connectivity options to multiple platforms.
- 5-year limited warranty includes all components of the retrofit kit, including driver, LED board and nonelectrical components.***
- 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}).

Accessories

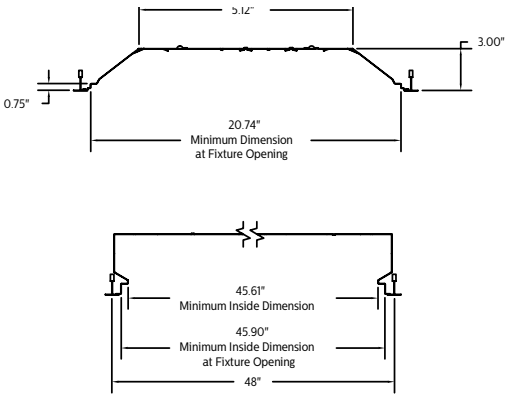
- Suitable for use with Philips 503441 emergency backup or with Philips ER100 UL924 emergency relay.
- Earthquake cables available for additional securement to the existing troffer for areas where required.
- EvoKit accessory replacement kit comes with quarter tunes (51 pieces), quick disconnects (12 pieces), spare sensor brackets (12 pieces) and troffer retrofit labels (12 pieces).

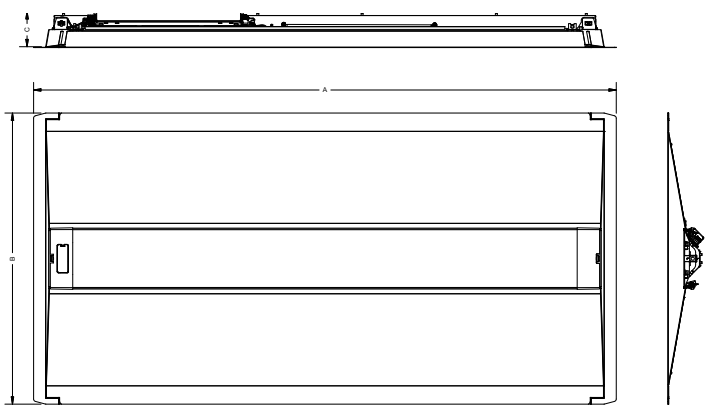
Prod. No.	Description
502435	Earthquake cable 317mm
503441	EvoKit field installed emergency battery backup
522094	EvoKit accessory replacement kit
563569	EvoKit field installed ER100 UL924 emergency relay (requires the use of the ER100 field installation kit of wires and screws)
266833	EvoKit ER100 field install kit (comes in pack of 20). One pack needed per emergency relay

Dimensions 2x4

EvoKit click was designed to fit into most parabolic and lensed-recessed troffers with minimum dimensional requirements shown below. Philips recommends a sample installation prior to ordering project quantities to ensure compatibility. Philips EvoKit click retrofit kits are not compatible with air handling fixtures.

A Face Plate Length	B Face Plate Width	C Height
47.83"	23.9"	2.99"





EvoKit Click LED retrofit kit 2x4

EvoKit CLK 2x4 30L 27 W835 UNV 0-10, 2,912 delivered lumens

Catalog No.	521153
Test No.	21153
S/MH	1.5
Lamp Type	LED
Lumens/Watt	107
Input Watts	27

Comparative yearly lighting energy cost per 1000 lumens - $2.20 based on 3000 hours and $0.08/kWh

The photmetric 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

Angle	End	45	Cross	Back–45
0	906	906	906	906
5	885	904	926	899
15	839	885	922	872
25	748	842	902	826
35	629	779	*856*	*761*
45	497	689	774	670
55	372	570	646	555
65	250	425	483	414
75	132	271	315	266
85	31	109	137	109

Coefficients of Utilization
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	108	102	97	105	100	95	95	92
2	96	88	81	94	85	80	82	77
3	88	77	68	85	75	67	71	66
4	81	68	58	78	67	57	64	56
5	73	59	51	71	58	51	56	48
6	68	54	45	66	53	45	51	44
7	63	48	40	60	47	40	46	39
8	58	45	35	56	44	35	42	34
9	55	40	33	53	40	32	39	32
10	51	38	29	50	36	28	35	28

Light Distribution

Degrees	Lumens	% Luminaire
0-30	715	24.6
0-40	1187	40.8
0-60	2168	74.5
0-90	2912	100.0

Average Luminance

Angle	End	45°	Cross
45	1150	1595	1792
55	1060	1628	1844
65	968	1646	1870
75	836	1716	1990
85	579	2044	2577

EvoKit CLK 2x4 42L 38W 840 UNV 0-10 P1, 4039 delivered lumens

Catalog No.	520213
Test No.	20213
S/MH	1.4
Lamp Type	LED
Lumens/Watt	108
Input Watts	38

Comparative yearly lighting energy cost per 1000 lumens - $2.45 based on 3000 hours and $0.08/kWh

The photmetric 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

Angle	End	45	Cross	Back–45
0	1151	1151	1151	1151
5	1128	1149	1176	1144
15	1071	1123	1172	1111
25	959	1067	1145	1052
35	812	984	1083	967
45	643	866	974	851
55	479	712	811	702
65	322	528	606	523
75	170	337	399	338
85	39	129	164	142

Coefficients of Utilization
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	108	102	97	105	100	95	95	92
2	96	88	81	94	86	80	82	77
3	88	77	68	85	76	68	71	66
4	81	68	58	78	67	57	64	56
5	73	60	51	71	58	51	56	48
6	68	54	45	66	53	45	52	44
7	63	48	40	60	47	40	46	39
8	58	45	35	56	44	35	42	34
9	55	40	33	53	40	32	39	32
10	51	38	29	50	36	29	35	28

Light Distribution

Degrees	Lumens	% Luminaire
0-30	998	24.7
0-40	1615	40.9
0-60	3029	74.5
0-90	4039	100.0

Average Luminance

Angle	End	45°	Cross
45	1488	2006	2255
55	1367	2032	2314
65	1248	2046	2349
75	1075	2132	2527
85	738	2422	3088

EvoKit CLKE 2x4 30L 22W 835 UNV SR P1, 2,992 delivered lumens

Catalog No.	521427
Test No.	21427
S/MH	1.5
Lamp Type	LED
Lumens/Watt	131
Input Watts	22

Comparative yearly lighting energy cost per 1000 lumens - $1.90 based on 3000 hours and $0.08/kWh

The photmetric 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

Angle	End	45	Cross	Back–45
0	875	875	875	875
5	857	870	894	870
15	805	849	896	851
25	715	812	884	819
35	598	750	843	760
45	470	661	767	675
55	350	544	643	562
65	236	404	485	422
75	124	255	316	272
85	28	96	128	111

Coefficients of Utilization
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	108	102	97	105	100	95	95	92
2	96	88	81	94	85	80	82	77
3	88	77	68	85	75	67	71	65
4	81	68	58	78	67	57	64	56
5	73	59	51	71	58	50	56	48
6	68	54	45	66	53	44	51	44
7	63	48	40	60	47	40	46	39
8	58	45	35	56	44	35	42	34
9	55	40	32	53	40	32	39	32
10	51	38	29	50	36	28	35	28

Light Distribution

Degrees	Lumens	% Luminaire
0-30	696	24.3
0-40	1158	40.5
0-60	2125	74.3
0-90	2858	100.0

Average Luminance

Angle	End	45°	Cross
45	1124	1579	1833
55	1031	1601	1893
65	941	1613	1938
75	811	1667	2064
85	539	1853	2489

EvoKit Click LED retrofit kit 2x4

EvoKit CLKE 2x4 36L 27W 835 UNV 0-10 P1, 3,759 delivered lumens

Catalog No.	520262
Test No.	20262
S/MH	1.3
Lamp Type	LED
Lumens/Watt	140
Input Watts	27

Comparative yearly lighting energy cost per 1000 lumens - $1.83 based on 3000 hours and $0.08/kWh

The photmetric 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

Angle	End	45	Cross	Back–45
0	1098	1098	1098	1098
5	1073	1096	1122	1090
15	1016	1072	1119	1057
25	904	1021	1098	1003
35	759	946	1046	926
45	596	838	948	819
55	444	694	796	679
65	299	518	597	508
75	158	331	391	327
85	35	129	167	132

Coefficients of Utilization
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	108	102	97	105	100	95	95	92
2	96	88	81	94	85	80	82	77
3	88	77	68	85	75	67	71	65
4	81	68	58	78	67	57	64	56
5	73	59	51	71	58	50	56	48
6	68	54	45	66	53	44	51	44
7	63	48	40	60	47	40	46	39
8	58	45	35	56	44	35	42	34
9	55	40	32	53	40	32	39	32
10	51	38	29	50	36	28	35	28

Light Distribution

Degrees	Lumens	% Luminaire
0-30	868	24.5
0-40	1441	40.6
0-60	2637	74.4
0-90	3546	100

Average Luminance

Angle	End	45°	Cross
45	1381	1941	2195
55	1266	1982	2272
65	1157	2006	2314
75	1000	2093	2472
85	663	2416	3141

EvoKit CLKE 2x4 42L 30W 835 UNV 0-10 P1, 4,149 delivered lumens

Catalog No.	520288
Test No.	20288
S/MH	1.3
Lamp Type	LED
Lumens/Watt	139
Input Watts	30

Comparative yearly lighting energy cost per 1000 lumens - $1.83 based on 3000 hours and $0.08/kWh

The photmetric 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

Angle	End	45	Cross	Back–45
0	1222	1222	1222	1222
5	1196	1220	1248	1213
15	1135	1191	1240	1174
25	1016	1131	1208	1108
35	855	1042	1142	1016
45	671	917	1029	892
55	501	755	858	735
65	337	562	640	546
75	177	361	422	353
85	42	145	181	147

Coefficients of Utilization
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	108	102	97	105	100	95	95	92
2	96	88	81	94	85	80	82	77
3	88	77	68	85	76	68	71	66
4	81	68	58	78	67	57	64	56
5	73	60	51	71	58	51	56	48
6	68	54	45	66	53	45	52	44
7	63	48	40	60	47	40	46	39
8	58	45	35	56	44	35	42	34
9	55	40	33	53	40	32	39	32
10	51	38	29	50	36	29	35	28

Light Distribution

Degrees	Lumens	% Luminaire
0-30	962	24.7
0-40	1594	40.9
0-60	2901	74.5
0-90	3891	100

Average Luminance

Angle	End	45°	Cross
45	1553	2124	2382
55	1429	2156	2448
65	1304	2176	2480
75	1121	2285	2670
85	783	2720	3395

EvoKit CLKE 2x4 47L 34W 835 UNV 0-10 P1, 4,552 delivered lumens

Catalog No.	521567
Test No.	21567
S/MH	1.4
Lamp Type	LED
Lumens/Watt	136
Input Watts	34

Comparative yearly lighting energy cost per 1000 lumens - $1.86 based on 3000 hours and $0.08/kWh

The photmetric 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

Angle	End	45	Cross	Back–45
0	1347	1347	1347	1347
5	1316	1342	1377	1340
15	1242	1309	1376	1308
25	1107	1243	1348	1245
35	931	1143	1278	1150
45	734	1002	1150	1016
55	546	821	957	843
65	368	606	718	629
75	193	385	472	408
85	42	147	201	174

Coefficients of Utilization
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	108	102	97	105	100	95	95	92
2	96	88	81	94	85	80	82	77
3	88	77	68	85	75	67	71	65
4	81	68	58	78	67	57	64	56
5	73	59	51	71	58	50	56	48
6	68	54	45	66	53	44	51	44
7	63	48	40	60	47	40	46	39
8	58	45	35	56	44	35	42	34
9	55	40	32	53	40	32	39	32
10	51	38	29	50	36	28	35	28

Light Distribution

Degrees	Lumens	% Luminaire
0-30	1067	24.6
0-40	1771	40.8
0-60	3232	74.5
0-90	4339	100.0

Average Luminance

Angle	End	45°	Cross
45	1753	2394	2748
55	1608	2419	2819
65	1473	2423	2870
75	1260	2512	3080
85	818	2840	3900

EvoKit Click LED retrofit kit 2x4

Energy saving solution – EvoKit CLKE 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
× 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 CLKE			
Present wattage		30	W
× Annual operating hours		4,380	hrs
	=	131,400	Watt-Hours
÷ 1,000	=	131.40	kWh per year
× kWh rate of $0.10	=	$13.14	per year
× 125 fixtures		$1,642.50	annual energy cost per space
Total estimated annual savings◊		**$3,011.25**	

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

FOOTNOTES:

1) Please refer to the energy saving chart above 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. Actual wattage may differ by +/- 10%. Actual initial lumen output may vary between -10 and +10% of the rated lumens.

*** Please visit http://www.usa.lighting.philips.com/support/support/warranty for full details.

† 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.

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

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