



Project:	
Location:	
Cat.No:	
Туре:	
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 savings¹, it also helps reduce maintenance and installation costs due to its modular design, bulk packaging, and long LED lifetime. Additional information can be found at www.philips.com/evokit.

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 2x2 with 0-10V Dimming ordering guide

				Lumen		Color				
Product	Bassistias	34 /-44-3	3/-14-	Maint.	Approx.	Temp.	F#6	Di	Di-	DI C CI-
Number	Description	Watts ³	Volts	(Hrs.) ²	Lumens ³	(K)	Efficacy	Dim	Pkg	DLC Code
CLKE (En	CLKE (Energy Efficient)									
▲ 523589	EvoKit CLK 2x2 32L 29W 835 UNV 0-10 P4	29W	120-277	70,000	3200	3500	117	0-10	4 Pack	P5ZOVZ5C
523597	EvoKit CLK 2x2 32L 29W 840 UNV 0-10 P4	29W	120-277	70,000	3200	4000	119	0-10	4 Pack	P2B98AZY
521211	EvoKit CLK 2x2 32L 29W 835 UNV 0-10 P1	29W	120-277	70,000	3200	3500	117	0-10	Single Pack	PL1BNA6C
520221	EvoKit CLK 2x2 32L 29W 840 UNV 0-10 P1	29W	120-277	70,000	3200	4000	119	0-10	Single Pack	PAW88IFC
CLKE (En	CLKE (Energy Efficient)									
523621	EvoKit CLKE 2x2 32L 24W 835 UNV 0-10 P4	24W	120-277	70,000	3200	3500	141	0-10	4 Pack	PBBL99UF
523647	EvoKit CLKE 2x2 32L 24W 840 UNV 0-10 P4	24W	120-277	70,000	3200	4000	143	0-10	4 Pack	PCGIVN5U
521336	EvoKit CLKE 2x2 23L 16W 835 UNV 0-10 P1	16W	120-277	70,000	2300	3500	140	0-10	Single Pack	PMGH05VR
521344	EvoKit CLKE 2x2 23L 16W 840 UNV 0-10 P1	16W	120-277	70,000	2300	4000	142	0-10	Single Pack	P1ILMDP2
521377	EvoKit CLKE 2x2 32L 24W 835 UNV 0-10 P1	24W	120-277	70,000	3200	3500	141	0-10	Single Pack	PI1M1REQ
520247	EvoKit CLKE 2x2 32L 24W 840 UNV 0-10 P1	24W	120-277	70,000	3200	4000	143	0-10	Single Pack	PL4YK0DF
524363	EvoKit CLKE 2x2 23L 16W 850 UNV 0-10 P4	16W	120-277	70,000	2300	5000	142	0-10	4 Pack	PXHL577W
524371	EvoKit CLKE 2x2 32L 24W 850 UNV 0-10 P1	24W	120-277	70,000	3200	5000	143	0-10	Single Pack	PPIUJ9HB
525295	EvoKit CLKE 2x2 32L 24W 830 UNV 0-10 P1	24W	120-277	70,000	3200	3000	135	0-10	Single Pack	PLW3E21B

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









EvoKit Click 2x2 with Selectable Power and Color ordering guide

Product Number	Description	Watts ³	Volts	Lumen Maint. (Hrs.) ²	Approx. Lumens ³	Color Temp. (K)	Efficacy	Dim	Pkg	DLC Code
CLKES(Er	CLKES(EnergyEfficientandSelectablePowerandColor)									
					2600	3500	153	0-10		
		17W	120-277	70,000	2700	4000	159	0-10		
					2650	5000	156	0-10		
				70,000	3200	3500	145	0-10		
▲ 269753	EvoKitCLKES2x2UNV0-10P4	22W	120-277		3300	4000	150	0-10	4 Pack	S-NEJXOV
					3250	5000	148	0-10		
		25W	120-277	277 70,000	3600	3500	144	0-10		
					3700	4000	148	0-10		
					3650	5000	146	0-10		
			120-277	70,000	2600	3500	153	0-10		
		17W			2700	4000	159	0-10		
					2650	5000	156	0-10		
					3200	3500	145	0-10		
▲ 269803	EvoKitCLKES2x2 UNVO-10P1	22W	120-277	70,000	3300	4000	150	0-10	Single Pack	S-CO71SX
					3250	5000	148	0-10	1	
		25W			3600	3500	144	0-10		
			120-277	70,000	3700	4000	148	0-10	0	
					3650	5000	146	0-10		

See footnotes on the last page.

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

Evokit click 2x2 with Selectable Power and Color

The Evokit click with Selectable Power and Color is field adjustable using 2 switches with 3 options each both for power and color temperature.



Selectable Power Selectable Color

Evokit Click 2x 2 with Interact Proscalable SWZCS ordering guide

Product Number	Description	Watts ³	Volts	Lumen Maint. (Hrs.)²	Approx. Lumens³	Color Temp. (K)	Efficacy	Dim	Pkg	DLC Code
CLKESWZ	CLKESWZCS(EnergyEfficientInteractProscalable)									
▲ 114140	EvoKitCLKE2x232L24W840UNVSWZCSP4	24W	120-277	70,000	3200	4000	138	SWZCS	4Pack	PJHZ10F4
▲ 114157	EvoKitCLKE2x232L24W835UNVSWZCSP1	24W	120-277	70,000	3200	3500	136	SWZCS	SinglePack	PYFQUQV4
▲ 121376	EvoKitCLKE2x232L24W840UNVSWZCSP1	24W	120-277	70,000	3200	4000	138	SWZCS	SinglePack	P2WPWOM3
▲ 267674	EvoKitCLKE2x232L24W835UNVSWZCSP4	24W	120-277	70,000	3200	3500	136	SWZCS	4pack	PG2IVTS2
116012	EvoKitCLKE2x232L24W835UNVSWZCSP4	24W	120-277	70,000	3200	5000	138	SWZCS	4 Pack	S-4V3HSL

See footnotes on the last page.

Evokit Click 2x2 Tunable White TW with Interact Pro scalable SWZCS ordering guide

Product Number	Description	Watts ³	Volts	Lumen Maint. (Hrs.)²	Approx. Lumens³	Color Temp. (K)	Efficacy	Dim	Pkg	DLC Code
CLKETWS	CLKETWSWZCS(TunableWhiteEnergyEfficientInteractProscalable)									
		23W	120-277	70,000	3200	6500	139	SWZCS		
▲ 114686	EvoKit CLKE 2x2 32L TW UNV SWZCS P4	24W	120-277	70,000	3200	4000*	133	SWZCS	4 Pack	S-9CK2XY
		25W	120-277	70,000	3200	2700	128	SWZCS		

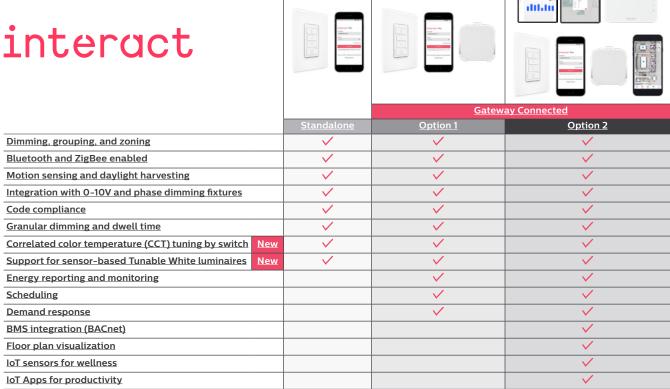
See footnotes on the last page.

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 info on Interact Pro visit: www.interact-lighting.com/interactproscalablesystem
- For more information on Interact Ready visit: www.philips.com/interact-ready

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

^{*} Default color temperature.

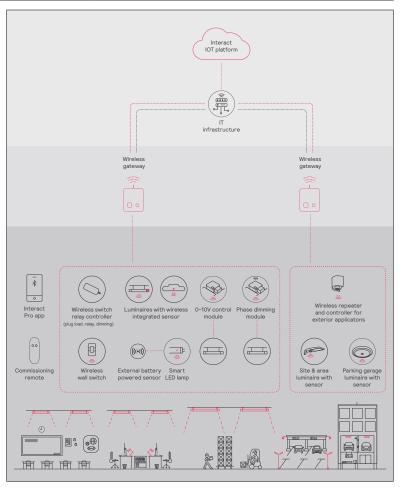


Currently supported maximum system size

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
· Zones + groups	64
Total number of ZGP devices (sensors and switches)	50
Sensors	30
· Switches	50

Group level	
Recommended number of lights	40 (maximum 150)
Number of ZGP devices	5
Number of scenes	16



EvoKit Click 2x2 with Spacewise SWZDT ordering guide

Product Number	Description	Watts ³	Volts	Lumen Maint. (Hrs.)²	Approx. Lumens³	Color Temp. (K)	Efficacy	Dim	Pkg	DLC Code
CLKE SW	CLKE SWZDT (Energy Efficient SpaceWise DT)									
523878	EvoKit CLKE 2x2 32L 24W 840 UNV SWZ P4	24W	120-277	70,000	3200	4000	138	SWZDT	4 Pack	PAV1FT8Y
523464	EvoKit CLKE 2x2 32L 24W 835 UNV SWZ P1	24W	120-277	70,000	3200	3500	136	SWZDT	Single Pack	PIT3B0KJ
▲ 523472	EvoKit CLKE 2x2 32L 24W 840 UNV SWZ P1	24W	120-277	70,000	3200	4000	138	SWZDT	Single Pack	PJOW6RSK

See footnotes on the last page.

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

Features

- · Standalone daylight and occupancy sensing with advanced grouping, wireless mesh networking and dwell time.
- · Commissioning via compatible Android phone and Philips Field App.
- Register for the commissioning app at http://registration.componentcloud.philips.com/appregistration/

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 Click with 0-10V Dimming and MultiOne Mobile ordering guide

Product Number	Description	Watts ³	Volts	Lumen Maint. (Hrs.)²	Approx. Lumens³	Color Temp. (K)	Efficacy	Dim	Pkg	DLC Code
CLKE SR (CLKE SR (Energy Efficient Sensor Ready)									
115550	EvoKit CLKE 2x2 32L 24W 840 0-10 M P4	24W	120-277	70,000	3200	4000	140	0-10	4 pack	S-TDZAE4
115568	EvoKit CLKE 2x2 32L 24W 835 0-10 M P4	24W	120-277	70,000	3200	3500	138	0-10	4 pack	S-078S61

See footnotes on the last page.

EvoKit Click with 0-10V Dimming, MultiOne Mobile and Daylight/Occupancy sensor ordering guide

Product Number	Description	Watts ³	Volts	Lumen Maint. (Hrs.)²	Approx. Lumens³	Color Temp. (K)	Efficacy	Dim	Pkg	DLC Code
CLKE M D	CLKE M DO (Energy Efficient with MultiOne Mobile and Daylight/Occupancy sensor)									
115618	EvoKit CLKE 2X2 32L 24W 840 0-10 M DO P4	24W	120-277	70,000	3200	4000	139	0-10	4 pack	S-OAP4JV
115626	EvoKit CLKE 2X2 32L 24W 835 0-10 M DO P4	24W	120-277	70,000	3200	3500	137	0-10	4 pack	S-60XB3O

See footnotes on the last page.

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 air return accessories ordering guide

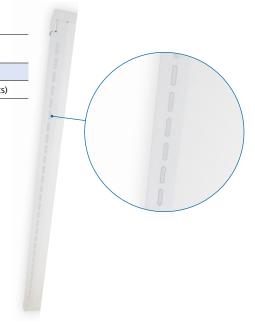
-	roduct umber	Description	Packaging
E	voKit cli	ck air return accessories	
	115782	EvoKit Click 2x2 Air Return Accessory P16	Serves 16 EvoKit Click retrofit kits (includes 32 parts)

Air Return accessories data

The air return e orie of EvoKit ik are suitable for retrofitting listed air return troffers.

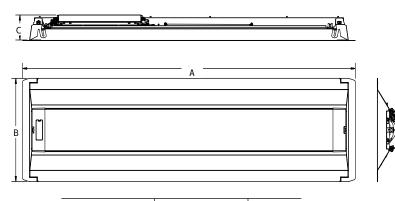
2x2 air return data						
Return Air Volume, SCFM.	61	69	80	97	112	131
Negative Static Pressure, in. H ₂ 0	0.11	0.15	0.20	0.30	0.40	0.55
Noise Criteria (NC)*	17	21	25	31	34	38

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

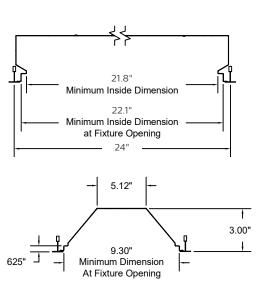


Dimensions 2x2

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	
23.9"	23.9"	2.99"	



**Please Note: When installing emergency lighting, a greater minimum depth may be required.

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 fights rust and makes for more durable product.
- Integrated secure tabs for connection 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 ceiling for convenient maintenance/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 support to the existing troffer for areas where required.
- EvoKit accessory replacement kit comes with quarter turns (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		

EvoKit CLKE 1x4 23L 16W 835 UNV 0-10 P1, 2,368 delivered lumens

Catalog No.	521211
Test No.	21211
S/MH	1.4
Lamp Type	LED
Lumens/Watt	117
Input Watts	29

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

Candler Angle	ower End	45	Cross	Back-4
0	1233	1233	1233	1233
_				
5	1223	1227	1233	1227
15	1181	1186	1193	1184
25	1083	1079	1088	1077
35	923	918	930	915
45	712	728	741	725
55	499	539	545	535
65	312	360	362	355
75	155	212	224	208
85	37	75	75	71

Coefficients of Utilization Effective floor cavity reflectance 20 per (pfc=0.20)

Enecute hoor carry reflectance 20 per (pre 0.20)									
	80			70			5	0	
70	50	30	70	50	30		50	30	
119	119	119	116	116	116		111	111	
109	104	100	106	102	98		98	95	
99	91	85	97	89	83		86	81	
91	80	72	88	79	71		76	70	
83	72	63	81	70	62		68	61	
77	64	55	75	63	55		61	54	
71	58	49	69	57	49		55	48	
66	53	44	64	52	44		50	43	
62	48	40	60	48	40		46	39	
58	44	36	56	44	36		43	35	
54	41	33	53	40	33		39	23	
	70 119 109 99 91 83 77 71 66 62 58	80 70 50 119 119 109 104 99 91 91 80 83 72 77 64 71 58 66 53 62 48 58 44	80 70 50 30 119 119 119 109 104 100 99 91 85 91 80 72 83 72 63 77 64 55 71 58 49 66 53 44 62 48 40 58 44 36	80 70 50 30 70 119 119 119 116 109 104 100 106 99 91 85 97 91 80 72 88 83 72 63 81 77 64 55 75 71 58 49 69 66 53 44 64 62 48 40 60 58 44 36 56	80 70 70 50 30 70 50 119 119 119 116 116 109 104 100 106 102 99 91 85 97 89 91 80 72 88 79 83 72 63 81 70 77 64 55 75 63 71 58 49 69 57 66 53 44 64 52 62 48 40 60 48 58 44 36 56 44	80 70 50 30 70 50 30 70 50 30 70 50 30 70 50 30 70 50 30 70 50 30 70 50 30 70 50 30 70 50 30 70 50 30 70 50 30 70 50 30 70 50 30 50 50 50 50 50 50 50 50 50 50 50 50 50	80 70 50 30 70 50 30 119 119 119 119 116 116 116 109 104 100 106 102 98 99 91 85 97 89 83 91 80 72 88 79 71 83 72 63 81 70 62 77 64 55 75 63 55 71 58 49 69 57 49 66 53 44 64 52 44 62 48 40 60 48 40 58 44 36 56 44 36	80 70 5 70 50 30 70 50 119 119 116 116 116 111 109 104 100 106 102 98 98 99 91 85 97 89 83 86 91 80 72 88 79 71 76 83 72 63 81 70 62 68 77 64 55 75 63 55 61 71 58 49 69 57 49 55 66 53 44 64 52 44 50 62 48 40 60 48 40 46 58 44 36 56 44 36 43	80 70 50 70 50 30 50 30 119 119 116 116 116 111 111 109 104 100 106 102 98 98 95 99 91 85 97 89 83 86 81 91 80 72 88 79 71 76 70 83 72 63 81 70 62 68 61 77 64 55 75 63 55 61 54 71 58 49 69 57 49 55 48 66 53 44 64 52 44 50 43 62 48 40 60 48 40 46 39 58 44 36 56 44 36 43 35

Light Distrik	Averag	e Lumin	ance			
Degrees	Lumens	% Luminaire	Angle	End	45°	Cross
0-30	947	29.9	45	3418	3498	3559
0-40	1520	48.0	55	2954	3191	3225
0-60	2550	80.5	65	2505	2891	2912
0-90	3169	100	75	2036	2780	2944
			85	1434	2926	2938

EvoKit CLKE 2x2 23L 16W 835 UNV 0-10 P1, 2,313 delivered lumens

Catalog No.	521336
Test No.	21336
S/MH	1.4
Lamp Type	LED
Lumens/Watt	140
Input Watts	16

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 IM-70

Candler Angle	oower End	45	Cross	Back-45
0	931	931	931	931
5	925	923	931	927
15	885	885	891	885
25	804	799	797	801
35	684	662	655	667
45	536	514	511	518
55	370	366	365	371
65	219	238	232	242
75	103	134	135	137
85	21	43	41	47

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

					(,		
	80			70		5	0
70	50	30	70	50	30	50	30
119	119	119	116	116	116	111	111
109	105	101	107	102	99	98	95
100	92	85	97	90	84	87	81
91	81	73	89	80	72	77	71
84	72	64	82	71	63	69	62
78	65	56	75	64	56	62	55
72	59	50	70	58	50	56	49
67	54	45	65	53	45	51	44
52	49	41	61	48	40	47	40
58	45	37	57	45	37	43	36
55	42	34	53	41	34	40	33
	119 109 100 91 84 78 72 67 52 58	119 119 109 105 100 92 91 81 84 72 78 65 72 59 67 54 52 49 58 45	70 50 30 119 119 119 109 105 101 100 92 85 91 81 73 84 72 64 78 65 56 72 59 50 67 54 45 52 49 41 58 45 37	70 50 30 70 119 119 119 116 109 105 101 107 100 92 85 97 91 81 73 89 84 72 65 56 75 72 59 50 70 67 54 45 65 52 49 41 61 158 45 37 57	70 50 30 70 50 119 119 119 116 116 109 105 101 107 102 100 92 85 97 90 91 81 73 89 80 84 72 64 82 71 78 65 56 75 64 72 59 50 70 58 67 54 45 65 53 52 49 41 61 48 58 45 37 57 45	70 50 30 70 50 30 119 119 119 116 116 116 109 105 101 107 102 99 100 92 85 97 90 84 91 81 73 89 80 72 84 72 64 82 71 63 78 65 56 75 64 56 72 59 50 70 58 50 67 54 45 65 53 45 52 49 41 61 48 40 58 45 37 57 45 37	70 50 30 70 50 30 50 119 119 116 116 116 111 109 105 101 107 102 99 98 100 92 85 97 90 84 87 91 81 73 89 80 72 77 84 72 64 82 71 63 69 78 65 56 75 64 56 62 72 59 50 70 58 50 56 67 54 45 65 53 45 51 52 49 41 61 48 40 47 58 45 37 57 45 37 43

Light Distrik	oution	Average Luminance					
Degrees	Lumens	% Luminaire	Angle	End	45°	Cross	
0-30	705	31.3	45	2040	1953	1944	
0-40	1121	49.7	55	1732	1718	1709	
0-60	1849	82	65	1391	1516	1475	
0-90	2255	100.0	75	1065	1391	1406	
			85	650	1328	1250	

EvoKit CLKE 1x4 32L 25W 835 UNV SR P1, 3,438 delivered lumens

Catalog No.	521385
Test No.	21385
S/MH	1.4
Lamp Type	LED
Lumens/Watt	136
Input Watts	26

Comparative yearly lighting energy cost per 1000 lumens - \$1.80 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

Candler Angle	oower End	45	Cross	Back-45
0	1296	1296	1296	1296
5	1291	1287	1294	1287
15	1234	1231	1240	1231
25	1124	1110	1107	1110
35	957	924	914	924
45	750	715	714	716
55	520	513	509	513
65	311	335	326	335
75	148	189	191	190
85	32	62	59	65

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

pcc		80			70	_	5	0
pw	70	50	30	70	50	30	50	30
RCR								
0	119	119	119	116	116	116	111	111
1	109	105	101	107	102	99	98	95
2	100	92	85	97	90	84	86	81
3	91	81	73	89	80	72	77	71
4	84	72	64	82	71	63	69	62
5	78	65	56	75	64	56	62	55
6	72	59	50	70	58	50	56	49
7	67	54	45	65	53	45	51	44
8	62	49	41	61	48	40	47	40
9	58	45	37	57	45	37	43	36
10	55	42	34	53	41	34	40	33

Light Distrik	oution		Averag	e Lumin	ance		
Degrees	Lumens	% Luminaire	Angle	End	45°	Cross	
0-30	979	31.2	45	2850	2720	2714	
0-40	1558	49.6	55	2439	2407	2387	
0-60	2569	81.9	65	1981	2133	2073	
0-90	3138	100.0	75	1541	1967	1979	
			85	993	1903	1815	

Energy saving solution - EvoKit CLKE 2'x2'

Estimated lighting costs using a standard 2 lamp U bend 2x2 troffer

		• • • • • • • • • • • • • • • • • • • •		
Present wattage	59	W		
× Annual operating hours	4,380	hrs		
	= 258,420	Watt-Hours		
÷ 1,000 =	258.40	kWh per year		
× kWh rate of \$0.10 =	\$25.84	per year		
× 125 fixtures	\$3,230.25	annual energy cost per space		
Estimated lighting costs using a Using a Philips 32L 2x2 EvoKit CLKE				
Present wattage	24	W		

Estimated lighting costs using a using a Philips 32L 2x2 EvoKit CLKE				
Present wattage	24	W		
× Annual operating hours	4,380	hrs		
=	105,120	Watt-Hours		
÷ 1,000 =	105.12	kWh per year		
× kWh rate of \$0.10 =	\$10.51	per year		
× 125 fixtures	\$1,314.00	annual energy cost per space		

Total estimated annual savings \$1,916.25

Footnotes

- 1) Please refer to the energy saving chart above for details.
- 2) L₇₀ 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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 $[\]Diamond$ 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.