



Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Philips EvoKit 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. 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.

Ordering guide

Product No. (6NC)	Model No. (12NC)	Description	Watts ³ (W)	Volts (V)	Lifetime (Hrs.) ²	Lumens ³ (LM)	CCT (K)	Efficacy (LM/W)
0-10V Dimming								
527887	929002713313	EvoKit Panel 2x2 30L 23W 835 UNV 0-10	23W	120-277	54,000	3000	3500	130
◆ 527895	929002713413	EvoKit Panel 2x2 30L 23W 840 UNV 0-10	23W	120-277	54,000	3000	4000	130
527903	929002713513	EvoKit Panel 2x4 43L 33W 835 UNV 0-10	33W	120-277	54,000	4300	3500	130
◆ 527929	929002713713	EvoKit Panel 2x4 43L 33W 840 UNV 0-10	33W	120-277	54,000	4300	4000	130
527911	929002713613	EvoKit Panel 2x4 54L 41W 835 UNV 0-10	41W	120-277	54,000	5400	3500	132
527937	929002713813	EvoKit Panel 2x4 54L 41W 840 UNV 0-10	41W	120-277	54,000	5400	4000	132

1. Please refer to the energy savings above chart for details.
 2. L70 54,000 hours at 35°C based on TM21 and LM 80.
 3. Based on photometric testing consistent with IES LM-79. Actual wattage may differ by +/- 10%. Actual initial lumen output may vary between -9.8% and +9.8% of the rated lumens.



EvoKit LED panel retrofit kit

Application

- A highly efficient, visually comfortable, architecturally styled LED retrofit kit designed to replace recessed linear fluorescent troffers.
- Uniform light distribution making it ideal for applications such as offices, schools, healthcare and retail.
- Excellent color rendering with a CRI above 80.
- Efficacies up to 132 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.

Construction/Finish

- Simple design allows for quick installation in existing luminaire without the need to break the ceiling plenum.
- 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

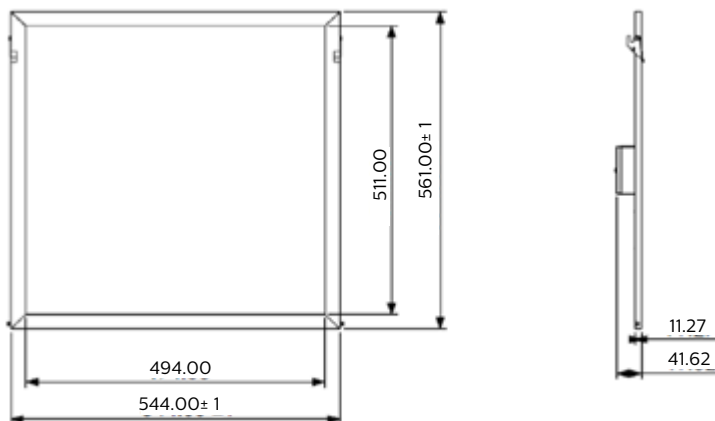
- 0-10V continuous dimming, range from 7% to 100%, initial dimming ratio 100%.
- 5-year limited warranty includes all components of the retrofit kit, including driver, LED board and nonelectrical components."
- Listed with UL and Design Lights Consortium[†] to ensure quality performance and safety standards are met.
- High efficiency LEDs have a minimum 54,000 hour rated life (L₇₀).

Accessories

- Earthquake cables available for additional securement to the existing troffer for areas where required.

Dimensions 2x2

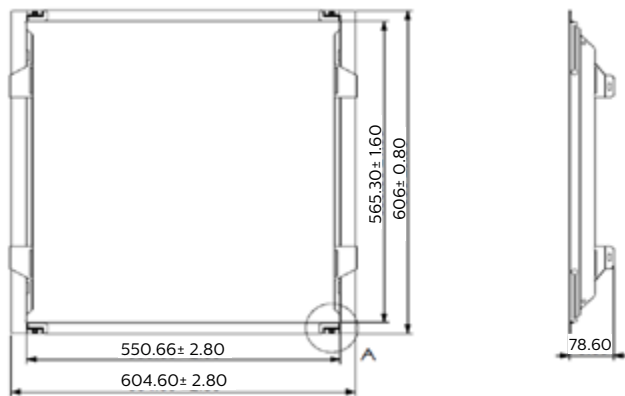
Panel outline (mm)



EvoKit LED panel retrofit kit

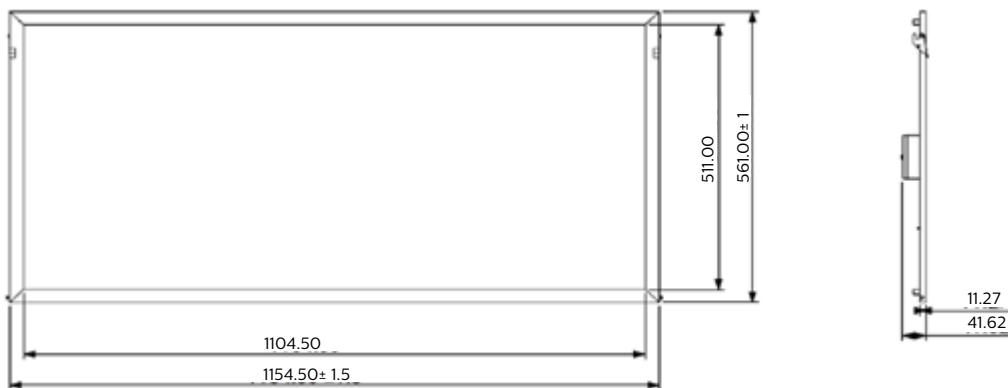
Dimensions 2x2

Accessory assembly drawing (mm)



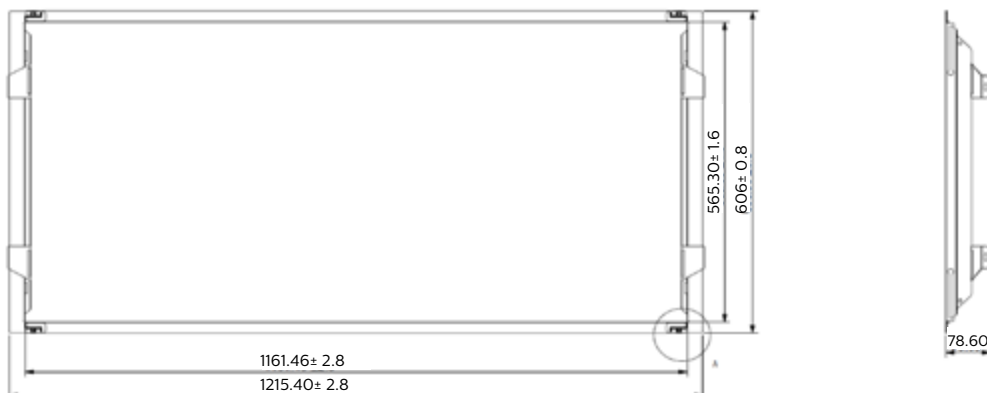
Dimensions 2x4

Panel outline (mm)



Dimensions 2x4

Accessory assembly drawing (mm)



EvoKit LED panel retrofit kit

EVOKIT PANEL 2X2 30L 23W 835 UNV 0-10

S/MH 1.3
 Lamp Type LED
 Lumens/Watt 128
 Input Watts 22

Candlepower		45°	Cross	Back-45
Angle	End			
0	979	979	979	979
5	976	977	977	975
10	961	963	962	962
15	938	939	941	940
20	909	912	910	909
25	871	876	876	875
30	830	834	835	834
35	779	784	786	785
40	722	728	727	727
45	657	663	664	662
50	589	594	596	595
55	515	522	523	523
60	437	444	444	443
70	276	283	286	284
75	199	206	209	207
80	127	134	136	134
85	58	63	65	64

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
	70	50	30	70	50	30	50	30	
DW									
RCR									
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	

Light Distribution

Degrees	Lumens	% Luminaire	Average Luminance		
			Angle	End	45° Cross
0-30	758	12.6	45	2498	2522 2519
0-40	1244	43.9	55	2414	2447 2450
0-60	2205	77.8	65	2269	2314 2313
0-90	2826	99.7	75	2063	2144 2154
			85	1801	1943 1962

EVOKIT PANEL 2X4 43L 33W 835 UNV 0-10

S/MH 1.3
 Lamp Type LED
 Lumens/Watt 130
 Input Watts 31

Candlepower		45°	Cross	Back-45
Angle	End			
0	1381	1381	1381	1381
5	1366	1365	1369	1378
10	1349	1344	1348	1354
15	1326	1328	1331	1334
20	1283	1286	1292	1292
25	1230	1236	1237	1238
30	1170	1174	1174	1174
35	1098	1103	1103	1100
40	1019	1018	1018	1016
45	927	926	926	923
50	831	832	828	826
55	729	727	722	718
60	620	618	612	608
70	397	394	389	384
75	290	288	282	277
80	188	185	180	175
85	89	89	85	81

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
	70	50	30	70	50	30	50	30	
DW									
RCR									
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	

Light Distribution

Degrees	Lumens	% Luminaire	Average Luminance		
			Angle	End	45° Cross
0-30	1073	26.9	45	1763	1761 1755
0-40	1759	44	55	1709	1704 1683
0-60	3112	77.9	65	1619	1607 1577
0-90	3985	99.7	75	1508	1495 1436
			85	1379	1374 1251

EvoKit LED panel retrofit kit

EVOKIT PANEL 2X4 54L 41W 835 UNV 0-10

S/MH 1.3
 Lamp Type LED
 Lumens/Watt 123
 Input Watts 39

Candlepower		45°	Cross	Back-45
Angle	End			
0	1601	1601	1601	1601
5	1651	1652	1658	1670
10	1633	1626	1633	1639
15	1593	1593	1602	1600
20	1540	1544	1551	1552
25	1479	1483	1485	1485
30	1408	1410	1410	1411
35	1329	1332	1333	1330
40	1233	1228	1231	1229
45	1124	1121	1117	1118
50	1007	1008	1002	998
55	884	878	874	869
60	751	746	740	734
70	483	476	468	462
75	352	347	340	333
80	229	225	217	211
85	110	107	102	97

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

pcc	80			70			50	
	70	50	30	70	50	30	50	30
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

Light Distribution

Degrees	Lumens	% Luminaire
0-30	758	12.6
0-40	1244	43.9
0-60	2205	77.8
0-90	2826	99.7

Average Luminance

Angle	End	45°	Cross
45	2498	2522	2519
55	2414	2447	2450
65	2269	2314	2313
75	2063	2144	2154
85	1801	1943	1962

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Signify North America Corporation
 200 Franklin Square Drive,
 Somerset, NJ 08873
 Telephone 855-486-2216

Signify Canada Ltd.
 281 Hillmount Road,
 Markham, ON, Canada L6C 2S3
 Telephone 800-668-9008

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