

Simple Choice Troffer

with sensor connect option

Project Name _____

Catalog Number _____

Notes _____



Features

- System efficacy up to 132 lm/W
- Standard 0-10 V dimming
- Wireless lighting control ready (ZigBee®)
- Sensor-embedded (occupancy sensing & daylight harvesting) models are available for additional energy savings
- Lumen maintenance of L78 at 50,000 hours
- 5-year warranty



Product Details



- Occupancy sensing & daylight harvesting
- No re-circuiting or mounting for sensors
 - Wireless control
 - Pre-programmed optimal values

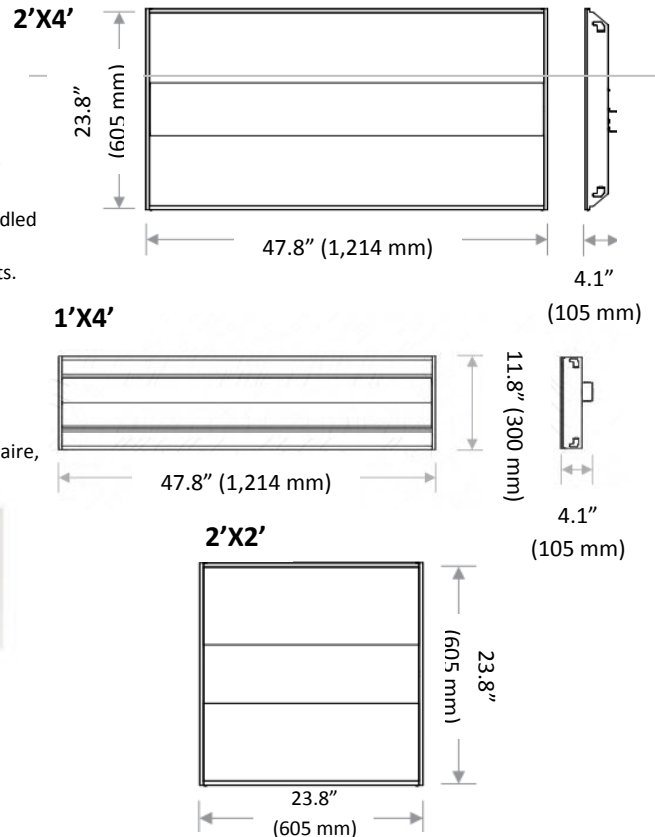


Rugged housing
The rugged housing doesn't easily get distorted when handled and the matt finish prevents fingerprints.

Soft light
When looking directly at the luminaire, the light is soft with low glare.



Dimension

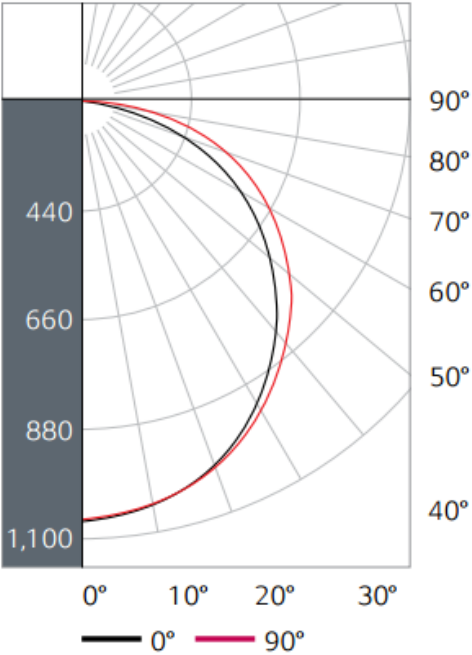


Compliance

- cULus Listed to UL 1598, suitable for damp location use (2'X4' / 2'X2')
- cETLus Listed to UL 1598, suitable for damp location use (1'X4')
- DesignLights Consortium qualified products
- Based on photometric consistent with IES LM-79

- Motion sensor specification
 - Mounting height: Max. 11.5 ft
 - Dimming level adjustment: 0/30, 100%
 - Delay time adjustment: 0.5-20 min.
 - Sensor coverage: (1.6 X h) X (2.0 X h) m² @ height(h)

Photometrics



Test : Troffer 25W (2'X2') 3500K
Lumen : 3200 lm
Spacing creation (0-180) : 1.26
Spacing creation (90-270) : 1.28

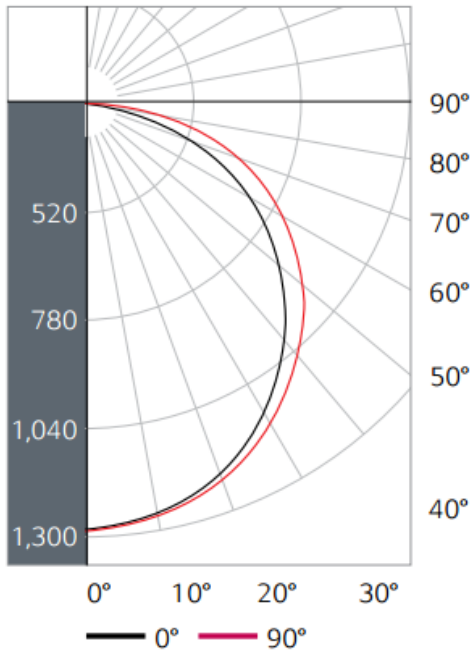
Zonal lumen summary

Zone	Lumens	%Fixture
0-20	386	12.1
0-30	822	25.7
0-40	1351	42.2
0-60	2437	76..1
0-80	3135	97.9
0-90	3202	100

Coefficients of utilization- zonal cavity method

Effective floor cavity reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	75	61	52	45	73	60	52	45	58	50	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	46	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	32
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23



Zonal lumen summary

Zone	Lumens	%Fixture
0-20	474	11.8
0-30	1009	25.2
0-40	1661	41.5
0-60	3009	75.2
0-80	3906	97.6
0-90	4003	100

Test : Troffer 31W (2'X4') 3500K
Lumen : 4000 lm
Spacing creation (0-180) : 1.26
Spacing creation (90-270) : 1.28

Coefficients of utilization- zonal cavity method

Effective floor cavity reflectance 0.20

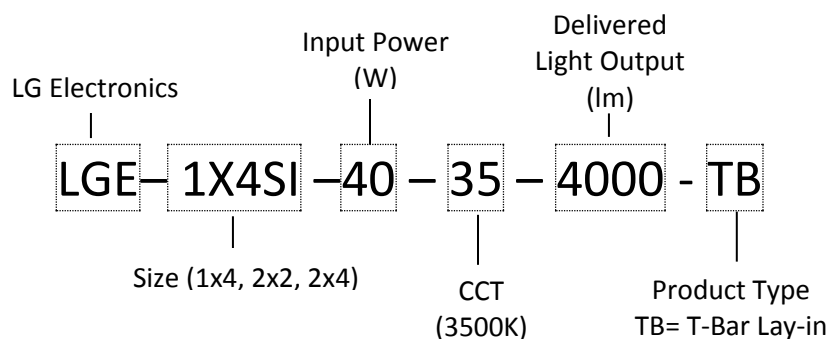
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	43	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

Specifications & Ordering Information

Global information

CRI	82
Input voltage	1120-277VAC
Power factor	≥0.9
Operating temperature	-4-104°F
Controls	0-10V (ZigBee ready)

Nomenclature



Product type	US order code	Input power	Delivered light output	Efficacy	CCT	Beam angle	Dimensions	Optical unit	Weight
		W	lm	Lm/W	K	°	inch (mm)	-	lb (kg)
Simple Choice	LGE-1X4SI-40-35-4000-TB	40	4000	100	3500	120	11.8X47.8X4.14 (300X1,214X105)	White (PC)	7.9 (3.6)
	LGE-1X4SI-40-40-4000-TB	40	4000	100	4000				
	LGE-2X4SI-40-35-4000-TB	40	4000	130	3500		23.8X47.8X4.1 (605X1,214X105)		12.3 (5.6)
	LGE-2X4SI-40-40-4000-TB	40	4000	132	4000				
	LGE-2X4SI-31-35-4000-TB	31	4000	100	3500				
	LGE-2X4SI-31-40-4000-TB	31	4000	100	4000				
	LGE-2X2SI-32-35-3200-TB	32	3200	130	3500		23.8X23.8X4.1 (605X605X105)		7.7 (3.5)
	LGE-2X2SI-32-40-3200-TB	32	3200	130	4000				
	LGE-2X2SI-25-35-3200-TB	25	3200	100	3500				
	LGE-2X2SI-25-40-3200-TB	25	3200	100	4000				
Sensor Connect	LGE-1X4SC-40-35-4000-TB	40	4000	100	3500	120	11.8X47.8X4.14 (300X1,214X105)	White (PC)	8.4 (3.8)
	LGE-1X4SC-40-40-4000-TB	40	4000	100	4000				
	LGE-2X4SC-40-35-4000-TB	40	4000	100	3500		23.8X47.8X4.1 (605X1,214X105)		12.6 (5.7)
	LGE-2X4SC-40-40-4000-TB	40	4000	100	4000				
	LGE-2X4SC-31-35-4000-TB	31	3500	130	3500				
	LGE-2X4SC-31-40-4000-TB	31	4000	132	4000				
	LGE-2X2SC-32-35-3200-TB	32	3200	10	3500		23.8X23.8X4.1 (605X605X105)		7.9 (3.6)
	LGE-2X2SC-32-40-3200-TB	32	3200	100	4000				
	LGE-2X2SC-25-35-3200-TB	25	3200	130	3500				
	LGE-2X2SC-25-40-3200-TB	25	3200	130	4000				

*When utilizing ZigBee wireless controls, the optional 0-10 V dimming is deactivated