

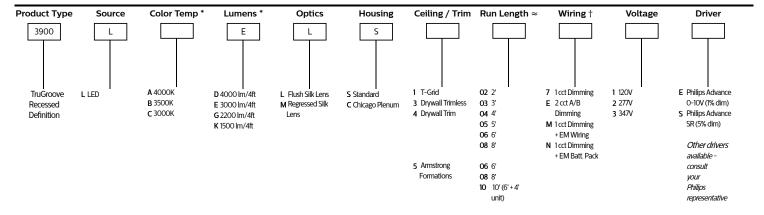




Project:
Spec Type:
Catalog No: 3900LxEL
Qty
Line Notes:

TruGroove Recessed delivers unrivaled performance and a truly innovative design – making a definitive statement in any architectural space. TruGroove Recessed corners provide endless opportunities for creative freedom with geometric patterns in walls and ceilings.

Ordering guide



- * Nominal values within a range. Consult photometry data for color temp, lumens & distribution of chosen configuration.
- † Not all wiring types are available with all configurations. Consult Philips Ledalite for a complete list of available options.
- ≈ Available in continuous run lengths from 6ft in steps as small as 1/8" for 1500lm/4ft & 2200lm/4ft symmetric configurations.
- ≈ All 3000lm/4ft, 4000lm/4ft and asymmetric configurations can be specified in 1ft steps.

Ceiling Trims Integrated Controls Please indicate with check mark. Response Daylight Single Zone (DS) SpaceWise DT Occupancy & Daylight Sensor (SZ) T-Grid Drywall Trimless Drywall Trim



Flush Silk Lens 3000 lm/4ft, 3000/3500/4000K

Optical System

Performance version: White light emitted from the LED sources is internally reflected and exits through the optical lens assembly. This assembly contains acrylic extrusion profiles to retain a layer of MesoOptics film, creating both an uninterrupted continuum of light and an optical batwing distribution.

Definition version: Light passes through a diffuse white acrylic lens to deliver a highly uniform luminous continuum.

Finish

Extruded aluminum trim and die-cast endplates coated with electrostatically applied and thermally cured polyester. Powder coat paint finish. White sensors only.

Housing

Die-formed 20 gauge cold-rolled steel. Multiple upper wire entrances available for continuous row mounting of fixtures

Weight

Maximum 3.5lb/ft.

Electrical

Factory pre-wired to section ends with quick-wire connectors.

Wall Options

Wall mounted luminaires are only available with the Drywall Trimless ceiling / trim option. A continuous ceiling to wall pattern with an inside corner can use a different ceiling / trim option on the ceiling if required.

Regressed lens and 4000 lm/4ft configurations are not available for wall mounting.

Standard Drivers

Philips Advance Xitanium 0-10V, 1-100%. Philips Advance Xitanium SR, 5-100% (for SpaceWise DT).

Class 2 rated output. Consult Philips Ledalite for other available drivers.

Standard Battery Pack

Philips Bodine, 90 min, 10W, Class 2 rated output, Emergency lumen output = 10W x luminaire efficacy x 1.1. Typical output: 1100lm.

Lumen Maintenance

LEDs have been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25°C in non-insulated contact applications the LED lumen maintenance expectation according to IES TM-21-11 is:

L₉₀ (10k) >60,000 hrs (**Reported** methodology) L₈₀ (10k) 120,000 hrs (**Projected** methodology).

Source Color

LEDs rated for color rendering CRI >80, R9 >0 and fixture to fixture color accuracy within 2 SDCM.

Controls

Certain configurations available with: Response Daylight Sensors SpaceWise DT Occupancy & Daylight Sensors w/ advanced grouping & Dwell Time.

*SpaceWise DT commissioning is via a compatible Android phone and Philips Field App. Compatible wireless dimming wall switches are available for dimming. For more information, please refer to www.philips.com/spacewise

Mounting

Mounting brackets on housing sides support T-Grid installation. 1/16" diameter aircraft cable with self-locking, tamper-resistant, miniature cable gripper provides vertical adjustment for drywall. Aircraft cable, crimp and gripper independently tested to meet stringent safety requirements.

Compatible with 4" Armstrong TechZone ceiling grid.

Joints

Self-aligning joining system with hands-free pre-joining wire access.

Approvals

Certified to UL, CSA and IES standards. Insulation Contact (IC) rated.

Warranty

Five-year luminaire limited warranty including LED boards and driver.

USA: http://www.usa.lighting.philips.com/support/support/warranty

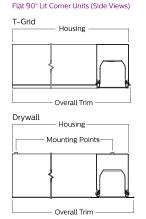
Canada: http://www.lighting.philips.ca/support/support/warranty

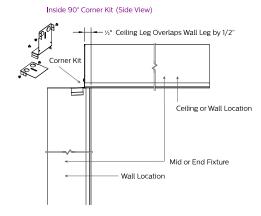
Environment

Rated for dry & damp locations in operating in ambient temperatures of 25°C. Many luminaire components, such as reflectors, refractors, lenses, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility. Damage caused by sulfur, chlorine, petroleum based solution or other contaminants are not covered under warranty

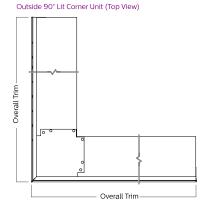
Due to continuing product improvements, Philips Ledalite reserves the right to change the specifications without notice.

Corner details and dimensions





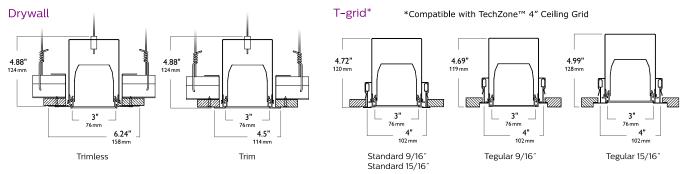
Nominal Length	Housing	Lens	Mounting Points	Trim - T-Grid	Trim - Drywall Trimless	Trim – Drywall Trim
2x2ft Flat	25.7"/653mm	N/A	23.6"/600mm	25.9"/658mm	27.1°/689mm	26.3"/667mm



Nominal	Trim-Drywall
Length	Trimless
2x2ft Outside	26.8"/681mm

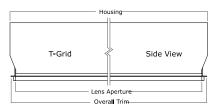
Flush Silk Lens 3000 lm/4ft, 3000/3500/4000K

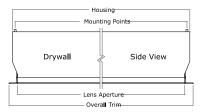
Ceiling Types



Module Details & Dimensions

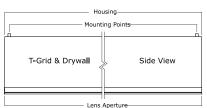
Standalone





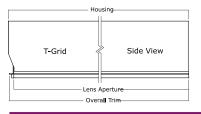
Standalone								
Nominal	Housing	Lens	Mounting Points	Trim -T-Grid	Trim - Drywall Trimless	Trim - Drywa ll Trim		
2ft	23.9~/607mm	23.0″/584mm	23.4"/594mm	23.8"/605mm	26.4"/670mm	24.5"/622mm		
3ft	35.9"/912mm	35.0"/889mm	35.4"/899mm	35.8"/909mm	38.4"/975mm	36.5"/927mm		
4ft	47.9"/1217mm	47.0°/1194mm	47.4"/1204mm	47.8"/1214mm	50.4″/1280mm	48.5"/1232mm		
5ft	59.9"/1521mm	59.0~/1499mm	59.4″/1509mm	59.8"/1519mm	62.4"/1585mm	60.5″/1537mm		
6ft	71.9"/1826mm	71.0°/1803mm	71.4"/1814mm	71.8"/1824mm	74.4"/1889mm	72.5"/1841mm		
8ft	95.9"/2436mm	95.0"/2413mm	95.4″/2423mm	95.8"/2433mm	98.4"/2499mm	96.5″/2451mm		

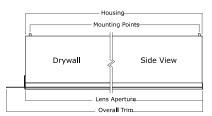
Mid-Run



Mid-Run						
Nominal	Housing & Lens	Mounting Points				
2ft	24.0~/610mm	23.2"/589mm				
3ft	36.0~/914mm	35.2"/894mm				
4ft	48.0″/1219mm	47.2"/1199mm				
5ft	60.0"/1524mm	59.2"/1504mm				
6ft	72.0"/1829mm	71.2"/1809mm				
8ft	96.0"/2438mm	95.2"/2418mm				
Incremental	L	L-0.8"				

End-Run

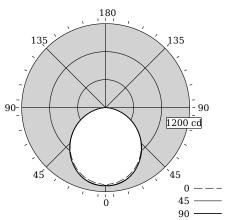




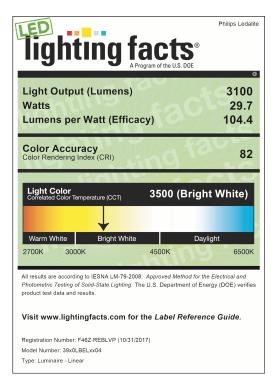
End-Run								
Nominal	Housing	Lens	Mounting Points	Trim -T-Grid	Trim - Drywall Trimless	Trim - Drywall Trim		
2ft	24.0°/610mm	23.5"/597mm	23.2*/589mm	23.9″/606mm	25.7"/653mm	24.8"/629mm		
3ft	36.0°/914mm	35.5"/901mm	35.2"/894mm	35.9°/910mm	37.7″/957mm	36.7"/933mm		
4ft	48.0~/1219mm	47.5"/1206mm	47.2"/1199mm	47.9~/1215mm	49.7″/1262mm	48.7"/1238mm		
5ft	60.0"/1524mm	59.5"/1511mm	59.2"/1504mm	59.9″/1520mm	61.7"/1567mm	60.7″/1543mm		
6ft	72.0"/1829mm	71.5~/1816mm	71.2"/1809mm	71.9"/1825mm	73.7"/1872mm	72.8"/1848mm		
8ft	96.0″/2438mm	95.5"/2425mm	95.2"/2418mm	95.8"/2434mm	97.7″/2481mm	96.7″/2457mm		
Incremental	L	L-0.5"	L-0.8"	L-0.1"	L+1.7"	L+0.75"		

Flush Silk Lens 3000 lm/4ft, 3000/3500/4000K

Photometry - 3500K



0% Up / 100% Down



Candela Distribution

Vertical			izontal A			Zonal
Angle	0	22.5	45	67.5	90	Lumens
0	1115	1115	1115	1115	1115	0
5	1091	1104	1111	1118	1116	105
15	1049	1060	1071	1078	1077	301
25	968	981	988	992	991	454
35	854	867	871	870	868	542
45	714	724	725	721	719	556
55	553	560	559	554	552	497
65	378	383	381	377	375	375
75	198	200	200	200	201	212
85	43	44	47	50	51	56
90	0	0	0	0	0	0
95	0	0	0	0	0	0
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	0

Values per 4ft unit

Fixture photometry has been conducted in accordance with IESNA LM-79-08

IES files for this and other photometric options can be downloaded online at www.lightingproducts.philips.com

Coefficients of Utilization (%)

DCD	Ceiling:		8	0			70			50		0
RCR	Wall:	70	50	30	10	70	50	30	50	30	10	0
0		119	119	119	119	116	116	116	111	111	111	100
1		109	104	100	96	106	102	98	97	94	91	84
2		99	91	84	78	96	89	83	85	80	75	70
3		90	80	71	65	88	78	70	75	69	63	59
4		83	71	62	55	80	69	61	67	60	54	50
5		76	63	54	47	74	62	53	60	52	47	43
6		70	57	48	41	68	56	47	54	46	41	38
7		65	51	43	37	63	51	42	49	42	36	34
8		61	47	38	33	59	46	38	45	38	32	30
9		57	43	35	29	55	43	35	41	34	29	27
10		53	40	32	27	52	39	32	38	31	26	24

Avg. Luminance (cd/m2)

Vertical	Н	orizontal Ang	le
Angle	0	45	90
55	10376	10485	10354
65	9634	9690	9558
75	8219	8302	8344
85	5306	5849	6343

Distribution

Hemisphere	0% Up / 100% Down
Spacing Along (0°)	1.22
Spacing Across (90°)	1.24

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Optical Performance

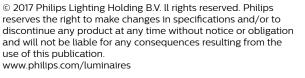
Nominal CCT:	3000K	3500K	4000K
Flux (lm)	2986	3100	3112
Efficacy (lm/W)	100.5	104.4	105.5
Power (W)	29.7	29.7	29.5
CCT (K)	3040	3437	3948
CRI	84	82	84
R9	16	10	14
x	0.4334	0.4097	0.3836
у	0.4017	0.3945	0.3813
Duv	0.0006	0.0007	0.0013

Electrical Performance - 3500K

Input Voltage	120V	277V	347V
Input Power	29.7W	29.6W	29.7W
Input Current	0.25A	0.11A	0.09A
Power Factor	0.995	0.960	0.958
Total Harm. Distortion	7.3%	10.4%	11.0%

Tested values . contact technical support for rated values. Off-state power zero unless certain controls are specified.

With SpaceWise DT, standby power <0.5W (120V) or <0.8W (277V).





use of this publication.

www.philips.com/luminaires