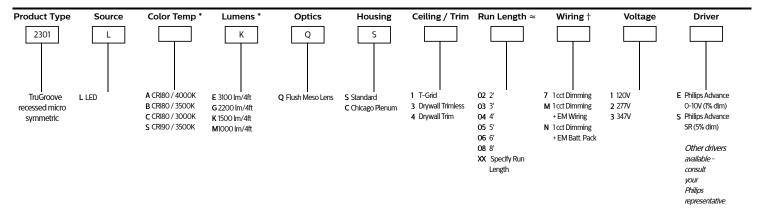




Project:	
Spec Type:	
Catalog No:	2301LxKQ
Qty	
Line Notes:	

TruGroove recessed micro delivers the perfect combination of slender aesthetic and lighting control, creating luminous environments with exceptional uniformity and wide row spacing from a 1.75" aperture continuous line-of light. An extended family and refined design are perfect for lighting any professional space.

Ordering guide



- * Nominal values within a range. Consult photometry data for CRI, 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 1/8in for 1000lm/4ft, 1500lm/4ft & 2200lm/4ft symmetric (performance) configurations.
- ≈ All 3100lm/4ft and asymmetric configurations can be specified in 1ft steps. 2ft standalone modules are not available in asymmetric.

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







performance symmetric 1500 lm/4ft, 3000/3500/4000K

Optical System

White light emitted from the LED sources is redirected by a precisely formed reflector and exits through the optical lens assembly. This assembly contains an acrylic extrusion profile retaining a layer of MesoOptic film, creating both an uninterrupted continuum of light and an optical batwing or asymmetric distribution from a 1.75" flush aperture.

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 2.8lb/ft.

Electrical

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

QuickShip

Upon reqeust, TruGroove recessed micro can be madeto-order and shipped in 10-working days from receipt of

Some configurations excluded. Limit of 500' linear feet per order.

QuickShip details are available in the links below:

QuickShip ColorCoded Guide

QuickShip Order Guide

Standard Drivers

Philips Advance Xitanium 0-10V, 1-100%. Philips Advance Xitanium SR, 5-100% (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-insulation contact applications the LED lumen maintenance expectation according to IES TM-21-11-A is:

RI>80

L₉₀ (10k) >60,000 hrs (**Reported** methodology) L₈₀ (10k) 128,000 hrs (**Calculated** methodology).

L₉₀ (10k) 59,000 hrs (**Reported** methodology) L₈₀ (10k) 118,000 hrs (**Calculated** methodology).

Source Color

LEDs rated for color rendering CRI >80, R9 >0 and fixture to fixture color accuracy within 2 SDCM. Available 90 CRI option is rated for CRI >90, and R9 >60.

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.

Joints

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

Approvals

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

Consult factory for DLC eligible configurations

Warranty

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

USA: Warranty Support

Canada: Warranty Support

Environment

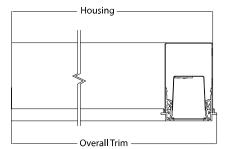
Rated for operation in dry and damp locations in ambient temperatures of 25°C. Many luminaire components, such as reflectors, refractors, lenses, and LEDs are made from materials which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, 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

 $\label{eq:decomposition} Due to continuing product improvements, Philips Ledalite reserves the right to change the specifications without notice.$

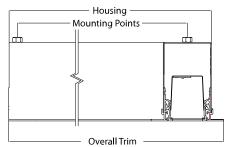
Corner details and dimensions

Flat 90° Lit Corner Units (Side Views)

T-Grid



Drywall



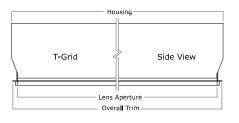
Nominal Length	Housing	Lens	Mounting Points	Trim - T-Grid	Trim - Drywall Trimless	Trim - Drywall Trim
2x2ft Flat	25.1"/637mm	N/A	23.6"/600mm	25.3"/642mm	26.5"/673mm	25.6"/651mm

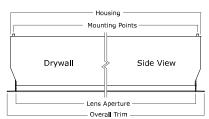
performance symmetric 1500 lm/4ft, 3000/3500/4000K

Ceiling Types Drywall T-Grid* 3.62" (92mm) 3.75" (95mm) 3.57" (91mm) 3.26" (83mm) 2.74" (70mm) -2.74" (70mm) -2.74" (70mm) 5" (127mm Standard 9/16" Trimless Trim Tegular 9/16" Tegular 15/16" Standard 15/16"

Module Details & Dimensions

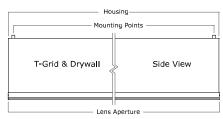
Standalone





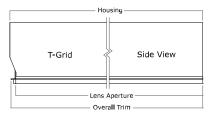
Standalone								
Nominal	Housing	Lens	Mounting Points	Trim -T-Grid	Trim - Drywall Trimless	Trim - Drywall Trim		
2ft	23.9"/607mm	23.0"/584mm	23.4"/594mm	23.8"/605mm	26.4"/670mm	24.5"/622mm		
3ft	35.9"/912mm	35.0″/889mm	35.4"/899mm	35.8"/909mm	38.4"/975mm	36.5"/927mm		
4ft	47.9"/1217mm	47.0″/1194mm	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		

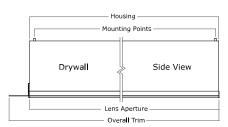
Mid-Run



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"/20mm				

End-Run

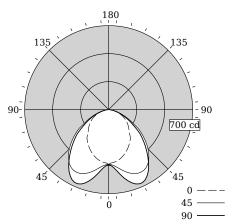




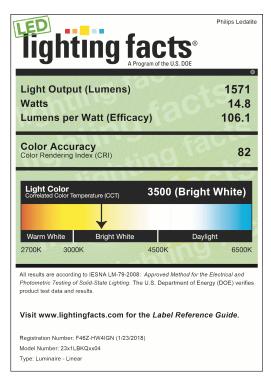
End-Run							
Nominal	Housing	Lens	Mounting Points	Trim -T-Grid	Trim - Drywall Trimless	Trim - Drywa ll Trim	
2ft	24.0"/610mm	23.5"/597mm	23.2"/589mm	23.9"/606mm	25.7"/653mm	24.8"/629mm	
3ft	36.0"/914mm	35.5"/901mm	35.2"/894mm	35.9"/910mm	37.7″/957mm	36.7"/933mm	
4ft	48.0"/1219mm	47.5"/1206mm	47.2″/1199mm	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"/13mm	L-0.8"/20mm	L-0.1"/3mm	L+1.7"/43mm	L+0.75"/19mm	

performance symmetric 1500 lm/4ft, 3000/3500/4000K

Photometry @ CRI>80, 3500K



0% Up / 100% Down



Candela Distribution

Vertical			Zonal			
Angle	0	22.5	45	67.5	90	Lumens
0	456	456	456	456	456	0
5	442	454	468	482	486	45
15	414	455	535	597	613	149
25	366	447	584	658	670	254
35	311	414	563	589	581	313
45	240	350	464	448	433	308
55	187	244	327	307	287	248
65	127	153	179	166	159	159
75	62	69	76	71	68	76
85	13	14	15	15	15	18
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 (%)

RCR	Ceiling:		8	0			70			50		0
KCK	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		110	105	101	98	107	103	99	99	96	93	85
2		100	92	86	80	98	90	84	87	82	78	72
3		92	81	74	67	89	80	73	77	71	66	61
4		84	72	64	57	82	71	63	69	62	56	53
5		77	65	56	49	75	64	55	61	54	49	46
6		71	58	49	43	69	57	49	56	48	43	40
7		66	53	44	38	64	52	44	50	43	38	35
8		61	48	40	34	60	47	39	46	39	34	31
9		57	44	36	30	56	43	36	42	35	30	28
10		54	41	33	28	52	40	33	39	32	27	25

Avg. Luminance (cd/m2)

Vertical	Horizontal Angle						
Angle	0	45	90				
55	5850	10220	8972				
65	5408	7589	6754				
75	4331	5238	4738				
85	2777	3095	3054				

Distribution

Hemisphere	0% Up / 100% Down
Glare Control	Meets RP-1-12 recommendations for VDT-Normal spaces
Spacing Along (0°)	1.12
Spacing Across (90°)	1.68

performance symmetric 1500 lm/4ft, 3000/3500/4000K

Optical Performance @ 120V

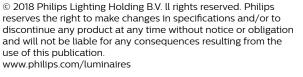
Nominal Spec:	830	835	840	935
Flux (lm)	1515	1571	1581	1563
Efficacy (lm/W)	101.7	106.1	107.6	90.9
Power (W)	14.9	14.8	14.7	17.2
CCT (K)	3071	3490	4027	3523
CRI	84	82	84	94
R9	16	11	16	71
x	0.4308	0.4061	0.3798	0.4035
У	0.3998	0.3917	0.3782	0.3887
Duv	0.0009	0.0002	0.0009	0.0005

Electrical Performance @ CRI>80, 3500K

Input Voltage	120V	277V	347V
Input Power	14.8W	15.0VV	15.2W
Input Current	0.12A	0.06A	0.05A
Power Factor	0.991	0.942	0.954
Total Harm. Distortion	11.4%	17.8%	13.1%

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