



Recessed

ArcForm

1'x4', 3000 lm
3000/3500/4000K



Project: _____
 Spec Type: _____
 Catalog No: 3614xxxxLx30 _____
 Qty _____
 Line Notes: _____

Philips Ledalite ArcForm recessed LED is a highly efficacious fully luminous fixture with brilliant color rendering and an innovative 3D symmetrical batwing lighting distribution. It delivers pure white light—free of glare, color shifts, hot spots or striations.

Ordering guide

Product Type	Version	Configuration	Light Source *	CRI/CCT	Lumens *	Housing	Wiring †	Voltage	Driver
3614			L		30				
ArcForm 1' x 4'	D1 Standard T Grid D2 Slot T Grid	ST Standalone CR Continuous Row	L LED	A 4000K B 3500K C 3000K	30 3000 lumens 36 3600 lumens 44 4400 lumens	S Standard C Chicago Plenum	7 1 cct Dimming N 1 cct Dimming + EM Batt Pack T 1 cct Step Dimming	1 120V 2 277V 3 347V	E Philips Advance 0-10V (1% dim)

* 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.

Upgrades & Accessories Please indicate with check mark.

- Flex Whip (6' length)
- Drywall Kit

Integrated Controls Please indicate with check mark.

- Response Daylight Single Zone (DS)



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Optical System

A curved, fully luminous acrylic panel with a protected layer of MesoOptics film efficiently generates a controlled, low glare, 3-dimensional batwing distribution. Die-formed, cold-rolled steel ends are assembled together with extruded aluminum side profiles to form a sturdy optical frame. The frame is hinged to allow easy access to the inside of the fixture. Maintenance can be performed from below the ceiling.

Housing

Die-formed, post-painted, 22 gauge cold-rolled steel housing. Multiple wire entrances are available (top or side) to allow continuous row mounting of fixtures. Optional frame restraint is available to provide additional safety support.

Mounting

Compatible with lay-in acoustical ceilings using an exposed 9/16", 15/16" or slot T-grid suspension system (NEMA types G, NFG & NFGS). Integral mounting tabs are provided which handle different T-grid heights.

Finish

Housing and Frame: Post-painted, high quality powder coat. Available in white only.

Weight

Maximum 25lb .

Electrical

LED boards are easily field replaceable. Fixtures are factory pre-wired and tested for all circuits. Driver access from below the ceiling. Optional armored cable flex whips are supplied in 6' lengths.

Standard Driver

Philips Advance Xitanium 0-10V, 1-100%. 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 11. 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, the LED lumen maintenance expectation according to IES TM-21-11 is: L80 (12k) >72,000 hrs (**Reported** methodology).

Source Color

LEDs rated for standard color rendering CRI >80, R9 >0 and fixture to fixture color accuracy within 3 SDCM.

Controls

Available with the following integrated controls:
Response daylight sensor (for single zone).

Approvals

Certified to UL, IES & CSA Standards. City of Chicago Approved CCEA (housing option C). Type IC Rated. Certain versions without battery packs are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL).

Warranty

Five-year luminaire limited warranty including LED boards and driver. www.philips.com/warranties.

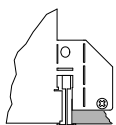
Environment

Rated for dry or damp locations in operating ambient temperatures of 0-25°C (32-77°F). 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. Not suitable for natatorium environments.

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

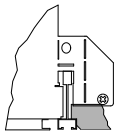
Options and Details

Mounting



Standard T-Grid

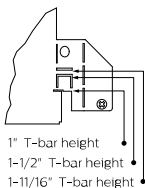
Option D1 works with 9/16" and 15/16" flat T-grid ceilings. It can also be used with slot T-grid ceilings. For 9/16" slot T-grid ceilings, fixture will sit 5/16" above the bottom of the T-Bar.



Slot T-Grid

Option D2 is designed to sit flush with slot T-grid ceilings and some tegular tile ceiling types.

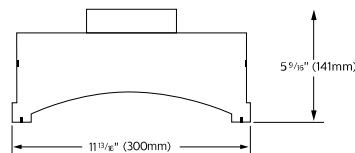
Ceiling types



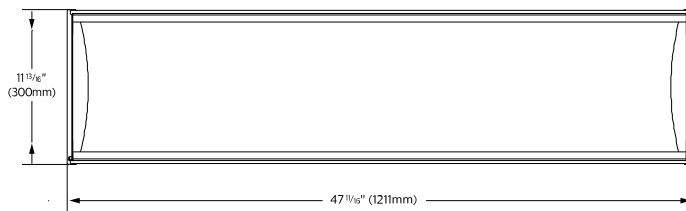
Integrated mounting tabs can be field-adjusted to various T-Grid ceiling heights for fastening directly to the T-Bar and/or tied off to the building structure.

1" T-bar height
1-1/2" T-bar height
1-11/16" T-bar height

Cross Section



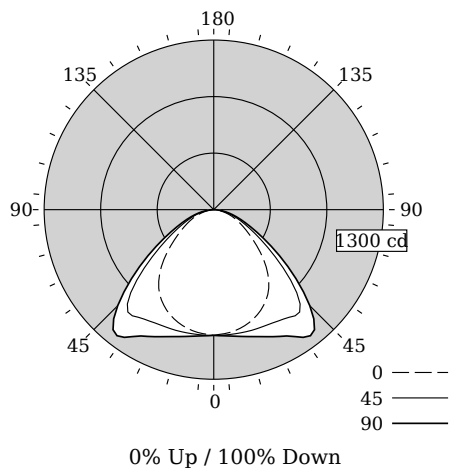
Lens View



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Photometry @ CRI>80, 3500K



Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1009	1009	1009	1009	1009	0
5	999	1003	1009	1016	1018	96
15	962	980	1016	1048	1059	287
25	886	935	1033	1114	1141	475
35	750	871	1086	1237	1279	651
45	507	650	872	997	1025	629
55	318	357	463	563	572	417
65	189	199	246	283	288	243
75	89	97	122	138	139	125
85	14	24	27	24	25	30
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

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												
	70	50	30	10	70	50	30	10	70	50	30	10	0
0	119	119	119	119	116	116	116	111	111	111	100	100	100
1	110	106	102	98	107	103	100	99	96	94	86	86	86
2	101	93	87	82	98	91	86	88	83	79	73	73	73
3	92	83	75	69	90	81	74	78	72	67	63	63	63
4	85	74	65	59	83	72	65	70	63	58	54	54	54
5	78	66	58	51	76	65	57	63	56	50	47	47	47
6	72	60	51	45	71	59	51	57	50	44	42	42	42
7	67	54	46	40	65	53	45	52	45	39	37	37	37
8	62	49	41	35	61	49	41	47	40	35	33	33	33
9	58	45	37	32	57	45	37	43	36	32	29	29	29
10	55	42	34	29	53	41	34	40	33	29	27	27	27

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	1918	2792	3450
65	1549	2011	2360
75	1186	1624	1862
85	572	1060	988

Distribution Summary

Hemisphere	0% Up / 100% Down
Glare Control	Meets RP-1-12 recommendations for VDT-Normal spaces
Spacing Along (0°)	1.22
Spacing Across (90°)	1.76

Philips Ledalite

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens) **2954**
Watts **27.9**
Lumens per Watt (Efficacy) **105.88**

Color Accuracy **83**
Color Rendering Index (CRI)

Light Color **3403 (Bright White)**
Correlated Color Temperature (CCT)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: F46Z-2BHEV6 (11/18/2016)
Model Number: 3614DxxxLB30
Type: Luminaire - Troffer/Grid Ceiling

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Optical Performance

Nominal Spec:	3000K	3500K	4000K
Flux (lm)	2775	2954	3036
Efficacy (lm/W)	99.8	105.9	109.2
Power (W)	27.8	27.9	27.8
CCT (K)	3002	3403	3897
CRI	82	83	83
R9	3	4	6
x	0.4352	0.4112	0.3877
y	0.4007	0.3943	0.3887
Duv	0.0012	0.0003	0.0035

Electrical Performance @ CRI>80, 3500K

Input Voltage	120V	277V	347V
Input Power	27.9W	28.0W	27.7W
Input Current	0.24A	0.10A	0.08A
Power Factor	0.956	0.995	0.956
Total Harm. Distortion	11.0%	7.5%	11.0%

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

