PHILIPS
LEDALITE

Recessed

Shine

20"x4', 5200 lm
3000/3500/4000K

Project:

Spec Type:

Catalog No: 3354xxxxL8xC

Qty

Line Notes:

A family of uniformly luminous fixtures, Philips Ledalite Shine recessed delivers outstanding performance for superior energy savings. Available in a wide variety of sizes, Shine is a highly efficient and economical solution for any recessed lighting and energy challenge.

Ordering guide

Product Type	Version	Configuration	Light Source *	CRI/CCT	Lumens *	Housing	Wiring †	Voltage	Driver
3354	D1	ST	L	8x	C				
Shine 20"x4'	**D1** Standard T Grid	**ST** Standalone	**L** LED	**8C** CRI 80 3000K **8B** CRI 80 3500K **8A** CRI 80 4000K	**D** 4000 lm **C** 5200 lm **A** 6800 lm	**S** Standard **C** Chicago Plenum	**7** 1 cct Dimming **N** 1 cct Dimming + EM Batt. Pack	**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)
- ☐ Solid Filler Panel (set of 2)
- ☐ Perforated Filler Panel/Air Return (set of 2)

Integrated Controls Please indicate with check mark.

- ☐ Response Daylight Single Zone (DS)

RESPONSE

Shine

20"x4', 5200 lm
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Optical System

Optical system consists of highly reflective painted interior reflectors and three flat acrylic lenses.

Finish

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

Housing

Die-formed, post-painted, 22 gauge cold-rolled steel. Wire entrance is positioned on top and the sides of housing to allow easy wiring access for installation. Access to boards and drivers from below via side lens cavity. T-bar clips built into the luminaire ends for quick and easy installation. Optional perforated or solid filler panels for 20"x48" fixtures to accommodate 60" ceiling grid.

Weight

Maximum 40lbs

Optical System

Optical system consists of highly reflective painted interior reflectors and three flat acrylic lenses.

Electrical

LED boards are easily field replaceable, if required. Fixtures are factory pre-wired and tested for all circuits and emergency battery packs; all leads pulled to a side access with cover plate..

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 1.1. Typical output: 1200lm.

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:
L_{80} (12k) >72,000 hrs (**Reported** methodology).

Source Color

LEDs rated for 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).

Mounting

Compatible with 15/16" lay-in acoustical ceilings using exposed grid suspension (NEMA type G). For 9/16" slot T-grid ceilings, fixture will sit 5/16" above bottom of Tee. Integrated tabs are provided for different T-grid heights.

Wiring

Optional armored cable flex whips are supplied in 6' lengths.

Approvals

Certified to UL & CSA Standards. City of Chicago Approved CCEA (housing option C).

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

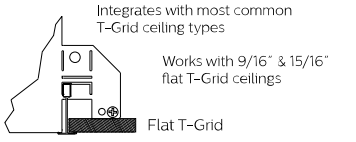
Environment

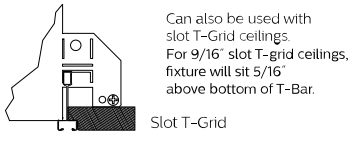
Rated for dry & damp locations in operating in ambient temperatures of 25°C. Many luminaire components, such as reflectors, refractors, lenses, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products,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

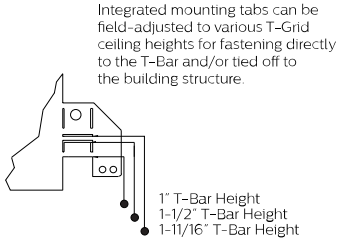
Options and Details

Mounting

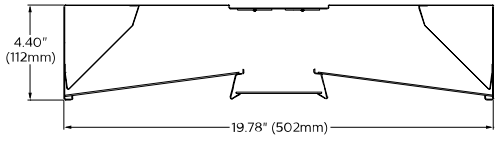




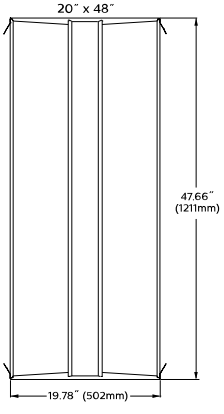
Ceiling types



Cross Section



Lens View



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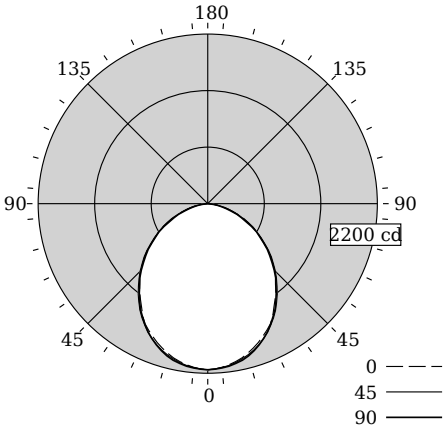
Photometry @ CRI>80, 3500K



0% Up / 100% Down

Candela Distribution

Vertical Angle	Horizontal Angle 0	22.5	45	67.5	90	Zonal Lumens
0	2155	2155	2155	2155	2155	0
5	2130	2140	2133	2143	2139	203
15	2008	2038	2028	2060	2044	574
25	1813	1857	1836	1863	1835	849
35	1521	1595	1558	1583	1541	980
45	1231	1283	1242	1259	1219	965
55	887	938	902	932	883	820
65	580	619	576	588	542	582
75	282	311	272	283	248	301
85	43	63	36	46	27	63
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:	80				70			50			0
	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	105	101	97	107	103	99	98	95	93	85
2		100	92	86	80	97	90	84	87	82	77	72
3		91	81	73	67	89	80	72	77	71	65	61
4		84	72	64	57	82	71	63	69	62	56	53
5		77	65	56	50	75	64	56	62	54	49	46
6		72	59	50	44	70	58	49	56	49	43	40
7		66	53	45	39	65	52	44	51	44	38	36
8		62	49	40	35	60	48	40	47	40	34	32
9		58	45	37	31	57	44	37	43	36	31	29
10		54	41	34	28	53	41	33	40	33	28	26

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle 0	45	90
55	2704	2750	2692
65	2400	2382	2243
75	1903	1837	1674
85	860	729	544

Distribution Summary

Hemisphere	0% Up / 100% Down
Spacing Along (0°)	1.17
Spacing Across (90°)	1.18

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Optical Performance

Flux (lm)	5329	5337	5057
Efficacy (lm/W)	117.9	117.3	111.9
Power (W)	45.2	45.5	45.2
CCT (K)	3900	3348	2995
CRI	82	82	81
R9	11	6	3
x	0.3865	0.4162	0.4397
y	0.3849	0.4002	0.4092
Duv	0.0020	0.0020	0.0020

Electrical Performance @ CRI>80, 3500K

Input Voltage	120V	277V	347V
Input Power	45.5W	45.1W	40.5W
Input Current	0.38A	0.17A	0.12A
Power Factor	0.997	0.961	0.974
Total Harm. Distortion	6.8%	14.0%	9.0%

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

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