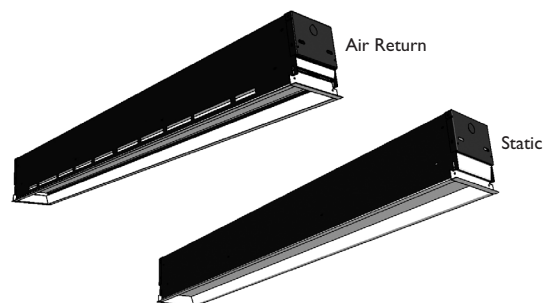


Narrow aperture with balanced illumination and versatility.

LIA64GPN LYTECEL 6 LENS



6" X 48" RECESSED LED LUMINAIRE AIR RETURN/STATIC 4 LUMEN LEVEL OPTIONS

Lytecel 6 Lens offers a lens opening that is only 4 1/4" wide in a recessed body that is just 6" deep. The body is constructed of 20 gauge steel with an exterior that is painted black for a cooler ballast operating temperature. The body has a UL-Listed twin knockout access plate and 2 hold-down clips standard.

Project: _____
 Location: _____
 Catalog No: _____
 Fixture Type: _____
 Mfg: _____ Lamps: _____ Qty: _____
 Notes: _____

Ordering Guide

Explanation of Catalog Number Example: LIA64GPN28A40ULAG

Family	Body Style	Fixture Size	Ceiling Type	Lens Style	Lumen Category	Color Temp	Voltage	Driver Type	Options
<input type="text" value="LI"/>	<input type="text" value=""/>	<input type="text" value="64"/>	<input type="text" value=""/>	<input type="text" value="PN"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
Lytecel 6" Linear Recessed	A = Air Return S = Static	64 = 6" x 48" (Nominal Size)	G = 9/16" or 15/16" Grid T = Slot Grid D = 15/16" Tegular Grid	PN = .08 White Acrylic	20A = 2000 Lumens 25A = 2500 Lumens 28A = 2800 Lumens 31A = 3100 Lumens (Approximate delivered values. Consult IES file)	40 = 4000K 35 = 3500K	UNV = 120/277V 347 = 347V Please Consult Your Philips Lighting Representative for 347V Availability.	LAG = LED Driver For Dimming Options, Consult Your Philips Lighting Representative.	Add Appropriate Suffix to Catalog No.



LIA64GPN

LYTECEL 6 LENS

Features

- Non-visible return air openings.
- Air return lens regressed $1\frac{1}{8}"$, static regressed $1\frac{3}{16}"$.
- Air return models meet UL 1598, Paragraph 9.2.2.5 requirements.
- Extruded aluminum fixture trim flat white polyester powder coated.
- Extruded .080 white opalescent acrylic lens.
- Only 6" deep body.
- Can provide 42 initial footcandles at 0.66 watts per square foot.
- Delivers 2864 lumens with just 44.9 input watts.
- Field replaceable LED array and drivers accessible from below.
- Integrated thermal management system conducts heat away from LEDs and transfers it to the surrounding environment.

- High efficiency LEDs have 50,000 hour rated life at L_{70} .
- Predicted L_{70} lifetime is based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- 20 gauge steel housing.
- UL Listed twin knockout access plate.
- 2 hold-down clips standard.
- Compatible with **Armstrong TECHZONE™** ceiling systems.
- Not for continuous row mounting.
- Five year warranty on luminaire, LED boards and driver.

Specifications

Materials: Chassis parts are 20 gauge cold rolled steel.

Air Handling: Side air passages for air return.

Chassis Exterior: Black baked polyester enamel.

Electrical: LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant.

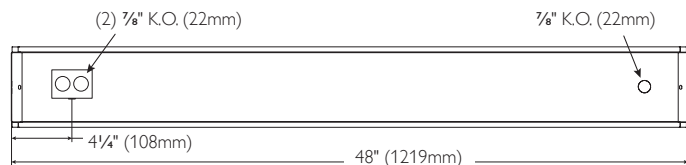
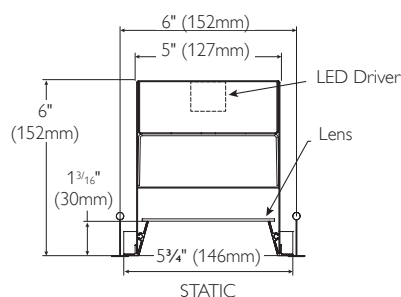
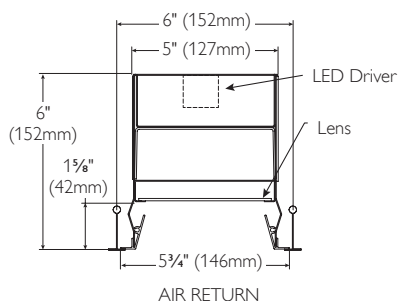
Labels: I.B.E.W. UL and cUL Listed. UL listed for damp locations.

Options/Accessories

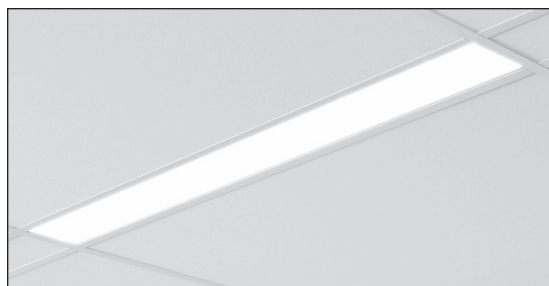
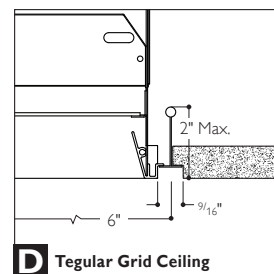
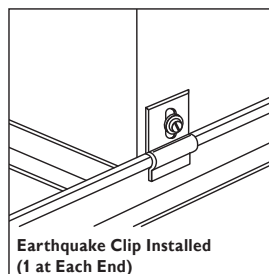
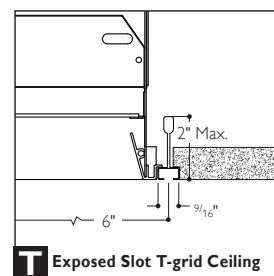
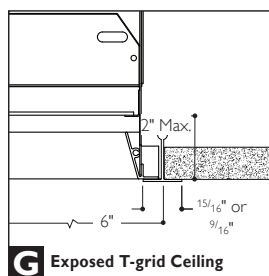
Electrical/Wiring Options: Consult your Philips Lighting representative.

EM Pack or Dimming Ballast: Consult your Philips Lighting representative.

Dimensions



Mounting Methods



Shown in **Armstrong TECHZONE™** ceiling.

LIA64GPN

LYTECEL 6 LENS

Additional Ordering Information

Catalog Number	Delivered Lumens	Input Watts	Lumens per Watt	Average Initial 8' x 8'6" Footcandles	8' x 8'6" Watts Per Sq. Ft.	Average Initial 8' x 10'6" Footcandles	8' x 10'6" Watts Per Sq. Ft.
LIA64GPN20A40ULAG	2011	30.0	67.0	30	0.44	24	0.36
LIA64GPN25A40ULAG	2500	38.4	65.1	37	0.56	30	0.46
LIA64GPN28A40ULAG	2864	44.9	63.8	42	0.66	34	0.53
LIA64GPN31A40ULAG	3174	50.8	62.5	47	0.75	38	0.60

Performance

Report Number¹: G2011131

Catalog Number: LIA64GPN28A40ULAG

Delivered Lumens: 2864

Correlated Color Temp²: 3930K

Input Watts: 44.9

Efficacy: 63.8 lm/w

CRI: 84.9

Lamp: LED

Luminaire: Lytecel 6" recessed LED with PN lens.

Ballast: Advance ICN-2554

Report is based on 4400 lumens per lamp.

Efficiency: 54.9%

CIE Type: Direct-Indirect

Plane: 0 Deg. 90 Deg.

Shielding Angles: 90 90

Plane: 0 Deg. 90 Deg.

Luminous Length: 46.680 4.680

Candela Distribution

Angle	0.0	45.0	90.0	ZONAL
0	1223	1223	1223	
5	1204	1214	1222	115
15	1153	1142	1133	323
25	1060	1012	972	468
35	931	837	813	537
45	777	671	629	529
55	599	482	416	437
65	403	277	210	286
75	201	96	97	133
85	37	32	30	36
90	4	9	10	

Coefficients of Utilization

Ceiling	80%			50%			30%			
Wall	70	50	30	50	30	10	50	30	10	
RCR	Zonal Cavity Method— Effective Floor Cavity Reflectance = 0.20									
Room Cavity Ratio	1	110	105	101	99	96	93	95	93	90
	2	100	93	86	87	83	78	84	80	77
	3	92	82	74	78	72	67	75	70	65
	4	85	73	65	70	63	57	67	61	57
	5	78	66	57	63	56	50	61	54	50
	6	72	60	51	57	50	44	55	49	44
	7	67	54	46	52	45	39	50	44	39
	8	63	50	41	48	40	35	46	40	35
	9	59	46	38	44	37	32	43	36	32
	10	55	42	35	41	34	29	40	34	29

Luminance Data in Candela/Sq. Meter

Average in Deg.	Average 0 Deg.	Average 45 Deg.	Average 90 Deg.
45	7794.	6730.	6309.
55	7407.	5960.	5144.
65	6763.	4649.	3524.
75	5508.	2631.	2658.
85	3011.	2604.	2441.

Zonal Lumen Summary*

Zone	Lumens	% Lamp	% Fixt
0-30	906	31.6	31.6
0-40	1443	50.4	50.4
0-60	2409	84.1	84.1
0-90	2864	100.0	100.0
0-180	2864	100.0	100.0

*Total Efficiency

¹ Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

² Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSI C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.



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Philips Lighting Company
200 Franklin Square Drive
Somerset, NJ 08873
Phone: 855-486-2216

Philips Lighting Company
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008