

**ARCHITECTURAL SENSOR**  
**DLC**  
**DLC PREMIUM** [PLANK 7"]

**LED**

**FEATURES**

- Rectilinear shape with clean, elegant lines for indirect/direct, and direct distribution
- Lumen packages range from 3200 to 7500 nominal lumens per 4ft section
- Up to 137 lumens/watt efficacy on selected packages
- Three LED CCT color choices and 83 CRI
- SpectraSync™ compatible options
- Upper/Lower switching available on some models
- Long-life LED is rated L90 at 60,000 hours with projected life over 100,000 to reduce facility maintenance
- Controls compatible, NX Distributed Intelligence™ enabled
- Patented die-cast plate at each fixture end ensures straight rows
- Five down light distribution options available
- DesignLights Consortium™ (DLC®) qualified with configurations qualifying for DLC® Premium
- Five year warranty
- 90° corners available; Contact factory for details
- Available with Lutron, eldoLED and DALI compatible drivers upon request

**SHAPE AND DIMENSIONS**

SpectraSync™  
NX DISTRIBUTED INTELLIGENCE™

## PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

## CONSTRUCTION

- Heavy 20-gauge steel construction provides housing rigidity.
- Modular mounting points maintain convenient, predictable locations.
- The exact shape of the housing is maintained by the use of a patented inner die-cast plate at each fixture end (Patent# 6,796,676 B2) throughout the run to prevent snaking. The housing is designed to wrap around the plate and secures on top with concealed screws to ensure housing tolerances are consistent.

## FINISH

Housing and all painted parts are treated with a multi-stage phosphate prior to finish. Parts are then finished with a white powder coat for maximum consistent coverage and longevity. Other colors may be specified; refer to page Color Selection Guide or contact your local Alera Lighting representative.

## SHIELDING

Frosted acrylic lens is lay-in and sits flush with the housing. The lens is 83% transmissive.

## DISTRIBUTION

- Fixture distribution without downlight tray provides 20% downlight.
- Available with downlight reflector to provide 40%, 60%, 80%, or 100% direct distribution.

## MOUNTING

- Aircraft cable suspension mechanism.
- Fixed cable has a total vertical adjustment of 1-1/4". End of cable barrel screws into standard 1/4 - 20 bolt brought down from the ceiling. A feed canopy is provided for each feed location. All fixtures are suspended in modular increments and must be

supported by each fixture housing-end.

## LABELS AND ELECTRICAL

- All luminaires are built to UL1598 standards and bear appropriate CSA labels. Adheres to LM79 and LM80 standards. Damp location listed.

- In-row quick connect plugs standard.

- 1% 0-10V dimming drivers standard

- Emergency-equipped fixtures are built to UL924.

- Please refer to DLC® website for specific product qualifications at [www.designlights.org](http://www.designlights.org). DesignLights Consortium™ (DLC®) qualified; see [www.designlights.org](http://www.designlights.org)

## CONTROLS COMPATIBILITY

Compatibility with specific control (example, dimmer switch) is by others. See below for daylight sensors installed.

## ARCHITECTURAL SENSORS INSTALLED

Architectural daylight and occupancy sensors can be installed on the light fixture. See the Sensor Options Guide for details.

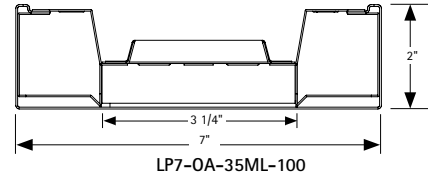
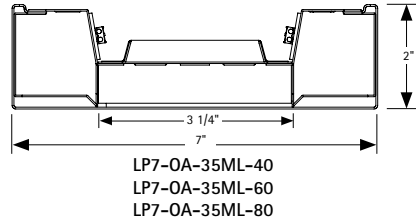
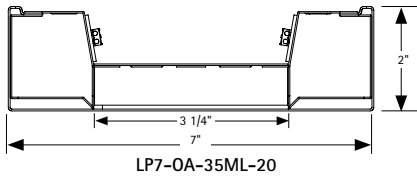
## ORDERING INFORMATION

## EXAMPLE: LP7-OA-8-35HL-60-CM48-EDU-MW

MODEL	ROW LENGTH	LUMEN PKG	MOUNTING METHOD	SUSPENSION LENGTH	VOLTAGE	FINISH
LP7 Plank 7" LED	4 4' Single 8 8' Single - Indicate row length over 8' in 4' increments	VW Very Low Watt LW Low Watt ML Medium Lumen HL High Lumen VL Very High Lumen	CM Adj. Aircraft Cable Mount (Std.)	48 48" 96 96" Other lengths available on request.	U 120V-277V 347 347V	MW Matte White (Std.) ZT ZET Metallic Silver MB Black See Color Selection Guide for other colors.
<b>SHIELDING</b> OA Acrylic Lens	<b>Note:</b> Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.					
	<b>LED COLOR</b>		<b>DISTRIBUTION</b>	<b>DRIVER</b>		<b>OPTIONS</b>
	30 3000K 35 3500K 40 4000K 50 5000K 2750T 2700K-5000K SpectraSync™ Tunable White 2765T 2700K-6500K SpectraSync™ Tunable White		20 80% Up / 20% Down 40 60% Up / 40% Down <sup>3</sup> 60 40% Up / 60% Down <sup>3</sup> 80 20% Up / 80% Down <sup>3</sup> 100 0% Up / 100% Down <sup>3</sup>	E Fixed Output ED 0-10V 1% Dimming <sup>6</sup>		AB A/B Circuitry ELL10 Emergency Battery Pack <sup>1</sup> ELL10ST Emergency Battery Pack, Self Testing, Installed <sup>1</sup> EMC One Emergency Circuit <sup>2</sup> GTD Generator Transfer Device <sup>1,2</sup> NLC One Night Light Circuit <sup>2</sup> GLR Fast Blow Fuse TBAR TBAR Clips DC Dust Cover DS_ Integral Daylight Sensor <sup>1,4</sup> OS_ Integral Occupancy Sensor <sup>1,4</sup> NX_ NX Distributed Intelligence <sup>1,4</sup> SLC Sloped Ceiling Coupler UB Upper Lower Switching Separate Circuits <sup>1</sup> (not for 20 or 100% down distribution) DUB Upper Lower Switching & Dimming Separate Circuits <sup>1,3,5</sup>
<b>35 PRODUCT AVAILABILITY TABLE, 3500K, 80% UP, 20% DOWN</b>						
	<b>LED LUMEN PACKAGE</b>	<b>NOMINAL LUMENS</b>	<b>NOMINAL WATTS</b>	<b>LUMENS/WATT</b>		
	VW	3200	30	107		
	LW	4200	37	114		
	ML	5200	41	127		
	HL	6200	53	117		
	VL	7500	63	119		

<sup>1</sup> Not available with all configurations. Some limitations apply. Contact factory for details.  
<sup>2</sup> Additional feed drop per EMC, NLC or GTD. (For through wiring, contact factory).  
<sup>3</sup> Optional down light reflector provides approximate patterns. Distribution pattern results may vary.  
<sup>4</sup> Review Sensor Options Guide for sensor selection.  
<sup>5</sup> Additional feed drop required for low voltage controls.  
<sup>6</sup> 5% dimming minimum when SpectraSync selected.  
 Page 1/2 Rev. 1/4/17 Protected by US Patent 6,796,676. Protected by Canada Patent 2,450,528. Specifications subject to change without notice.

## CROSS SECTION



## PHOTOMETRIC DATA

### LUMINAIRE DATA Test LP7-OA-35ML-20

Luminaire	LP7-OA-35ML-20 LP7 Led 7 inch Plank, Beams 7" X 48", LED with frosted opal acrylic lens
Ballast	XI040C110V054BST1
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	5210
Watts	38
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.33 90° = 1.56
Luminous Opening in Feet	Length: 4.0 Width: 0.33 Height: 0.00

### ZONAL LUMEN SUMMARY

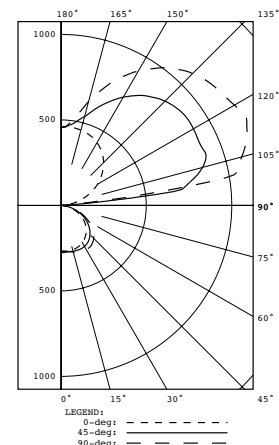
Zone	Lumens	% Fixt.
0-30	233	4.5
0-40	401	7.7
0-60	762	14.6
0-90	1003	19.2
90-180	4207	80.8

### ENERGY DATA

Total Luminaire Efficiency	100%
Total Lumens Per Watt	137.1
ANSI/IESNA RP-1-2004 Compliance	YES-VDT INTENSIVE USE
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.33 based on 3000 hrs. and \$0.08 per KWH

Test 16.03112 Test Date 11/29/2016

### INDOOR CANDELA PLOT



## PHOTOMETRIC DATA

### LUMINAIRE DATA Test LP7-OA-35HL-20

Luminaire	LP7-OA-35HL-20 LP7 Led 7 inch Plank, Beams 7" X 48" LED with frosted opal acrylic lens
Ballast	XI054C150V054BST1
Ballast Factor	1.00
Lamp	LED
Fixture Lumens	6162
Watts	46
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.33 90° = 1.56
Luminous Opening in Feet	Length: 3.67 Width: 0.33 Height: 0.04

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixt.
0-30	270	4.4
0-40	466	7.6
0-60	886	14.4
0-90	1170	19.0
90-180	4992	81.0

### ENERGY DATA

Total Luminaire Efficiency	100%
Total Lumens Per Watt	134
ANSI/IESNA RP-1-2004 Compliance	YES-VDT INTENSIVE USE
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$2.40 based on 3000 hrs. and \$0.08 per KWH

Test 16.03113 Test Date 12/6/2016

### INDOOR CANDELA PLOT

