aleo LIGHTING + CONTROLS

Project	
Type	Date
Cat. No.	

LPR-BL™ Series

Slim LED Panel Retrofit Kit - Sensor Ready

aleoblue



DESCRIPTION

The Aleo LPR-BL™ Series Slim LED Panel Retrofit Kit delivers industry-leading performance with deep energy savings and continuous dimming. Easy and quick installation reduces labor cost and optimizes ROI. The retrofit kit eliminates the need to replace existing luminaire housing, which reduces install time and disposal/removal costs. The slim profile, modern design produces pleasant, uniform and low-glare illumination, enhancing spaces in various applications.

APPLICATIONS

Retail, schools, offices, healthcare, and other various commercial applications.

LPR-BL™ SERIES

2x4 22W / 30W / 36W / 43W
2x2 16W / 19W / 26W / 32W
1x4 16W / 19W / 26W / 32W

QUICK SHIP

LPR-BL-24UX-43/8CT G6 (SR/RC)
LPR-BL-24UX-43/8CT G6 (SR/RC)-EM1200
LPR-BL-22UX-32/8CT G6 (SR/RC)
LPR-BL-14UX-32/8CT G6 (SR/RC)

SPECIFICATION FEATURES

- **CONSTRUCTION**
  Simple construction with minimal parts allows for easy handling and installation. Solid rigid frame, post-painted matte white finish for strength and durability. Low profile design optimizes shipping, storage, and handling.
- **OPTICAL SYSTEM**
  Back-lit optics produces soft balanced, comfortable luminance for productive spaces. Diffuser lens reduces glare and improves occupant comfort while maintaining high efficiency emission.
- **CERTIFICATION**
  UL Classified. All components have UL certification.
- **WARRANTY**
  7-year Limited Warranty. See warranty documentation for more information.
- **ELECTRICAL**
  Luminaire utilizes high-efficacy LED packages maintained at cool temperatures for long life, high efficacy. Reliable driver features continuous dimming. Universal voltage (120-277V) for convenient installation.
- **INSTALLATION / MOUNTING**
  Installs in most standard T-Bar ceiling grid systems. Retrofit kit fits within troffer and ceiling T-bar grid, eliminating need to remove existing fixture housing. Hinged door retrofit kit design.
- **CONTROLS / DIMMING**
  Continuous dimming (0-10V) comes standard. Suitable for use with dimmers, sensors, daylight harvesting and other control strategies to achieve deeper energy-savings and code compliance.
- **FIELD ADJUSTABLE CCT / WATTAGE**
  Increased versatility and reduced inventory burden. Wattage and Color Temp. can be adjusted in the field by selecting (4) different wattages and (5) different CCTs via switch on driver.

ORDERING INFORMATION

EXAMPLE: LPR-BL-22UX-32/8CT G6 (SR/RC)

LPR-BL	22	UX	25	8	CT	[Blank]	[Blank]	(SR/RC)
Series	**Form Factor**	**Lumen Package**	**Nominal Max Wattage**	**CRI**	**Color Temp**	**Input Voltage**	**Dimming**	**Sensor**
LPR-BL LED Panel Retrofit Kit - Back Lit	**24 -** 2'x4' **22 -** 2'x2' **14 -** 1'x4'	**UX** Field Adjustable	2'x4' **43** 22W / 30W / 36W / 43W 2'x2' **32** 16W / 19W / 26W / 32W 1'x4' **32** 16W / 19W / 26W / 32W *Utilize 4-way switch to select	**8** 80+	**CT Field Adjust.** 2700K 3000K 3500K 4000K 5000K *Utilize 5-way switch to select	**Blank** 120V-277V	**Blank** 0-10V Continuous Dimming	**(SR/RC)** Sensor Ready with Sensor Receptacle

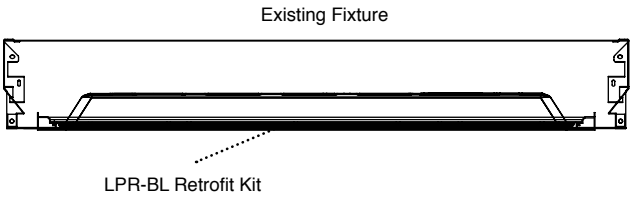
Options	
Emergency Backup[1]	**Controls**
EM1200* 1200lm *LPR-BL24UX only	See Pg. 5 for details on sensors and controls (Sold Separately)

Specifications and Dimensions subject to change without notice.

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MOUNTING INFORMATION



PERFORMANCE SUMMARY

Input Voltage	120V-277V	**Available CCT**	2700K, 3000K, 3500, 4000K, 5000K
Input Frequency	50/60 Hz	**Rated Life**	75,000 hours
Rated Wattage	See Performance Table	**Power Factor**	> 0.9
Delivered Lumens	See Performance Table	**THD**	< 20%
Efficacy	> 132 LPW (typ.)	**Dimming**	0-10V Continuous (10-100%)
CRI	83+, R9 > 0	**Operating Temp.**	-20°C to 50°C

[1] IMPORTANT: THE BATTERY MUST BE RECHARGED EVERY THREE (3) MONTHS. IF NOT RECHARGED ACCORDINGLY, BATTERY MAY FAIL AND VOID WARRANTY

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PERFORMANCE DATA

	Catalog No.	Nominal Wattage	Color Temperature	Lumens (lm)	Wattage (W)	Efficacy (lm/W)
2'x4'	LPR-BL-24UX-43/8CT G6 (SR/RC)	22	2700K	3,171	21.9	144.8
			3000K	3,314	21.7	152.7
			3500K	3,399	21.3	159.6
			4000K	3,479	21.7	160.3
			5000K	3,458	22.0	157.2
		30	2700K	4,055	28.9	140.3
			3000K	4,233	28.6	148.0
			3500K	4,347	28.1	154.7
			4000K	4,442	28.6	155.3
			5000K	4,417	29.0	152.3
		36	2700K	4,910	36.1	136.0
			3000K	5,137	35.8	143.5
			3500K	5,261	35.1	149.9
			4000K	5,373	35.7	150.5
			5000K	5,343	36.2	147.6
		43	2700K	5,663	42.9	132.0
			3000K	5,906	42.4	139.3
			3500K	6,067	41.7	145.5
			4000K	6,180	42.3	146.1
			5000K	6,162	43.0	143.3
2'x2'	LPR-BL-22UX-32/8CT G6 (SR/RC)	16	2700K	2,212	15.2	145.5
			3000K	2,297	15.0	153.1
			3500K	2,368	14.8	160.0
			4000K	2,406	15.0	160.4
			5000K	2,396	15.2	157.6
		19	2700K	2,697	19.1	141.2
			3000K	2,792	18.8	148.5
			3500K	2,887	18.6	155.2
			4000K	2,941	18.9	155.6
			5000K	2,920	19.1	152.9
		26	2700K	3,457	25.2	137.2
			3000K	3,593	24.9	144.3
			3500K	3,710	24.6	150.8
			4000K	3,765	24.9	151.2
			5000K	3,760	25.3	148.6
		32	2700K	4,207	31.8	132.3
			3000K	4,371	31.4	139.2
			3500K	4,511	31.0	145.5
			4000K	4,581	31.4	145.9
			5000K	4,571	31.9	143.3

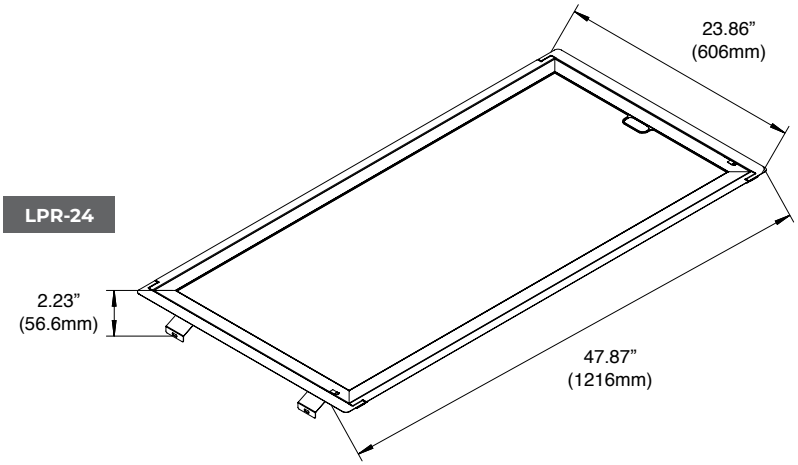
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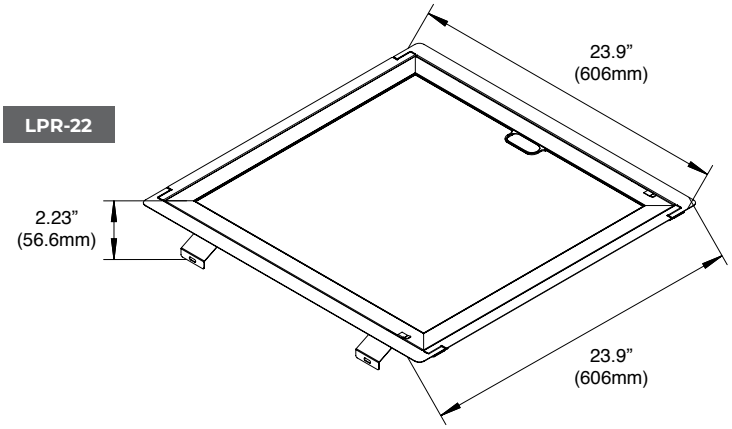
PRODUCT DIMENSIONS

MOQ Carton Qty: 4

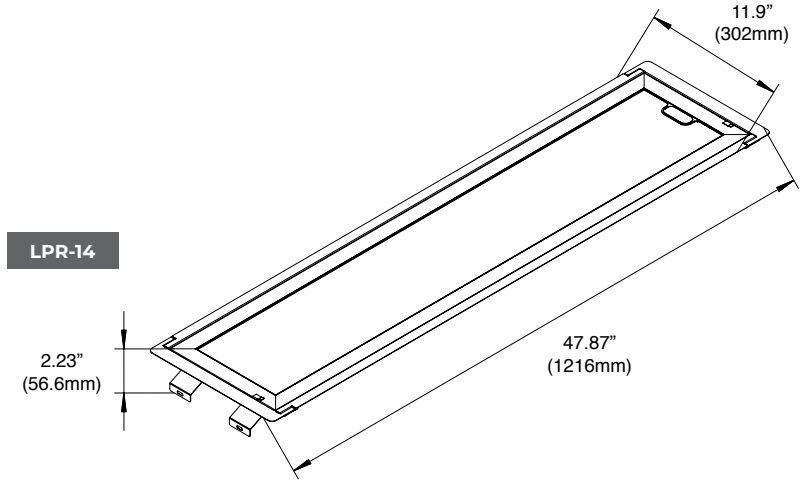
LPR-24



LPR-22



LPR-14



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PRODUCT OPTIONS

SENSOR OPTIONS

Catalog No.	Description	Ordering	Shipping	Remote Control
AB-SPIR-FM-DVE	AleoBlue™ Multi-level Wireless Bluetooth® Occ Sensor w/ Daylight	Order and Ship Separately	Field Install	AleoBlue™ App
IFS108.B1	SimplBlue Multi-level Wireless Bluetooth® Occ Sensor w/ Daylight	Order and Ship Separately	Field Install	SimplBlue App
-OSDL/BT*	AleoBlue™ Multi-level Wireless Bluetooth® Occupancy Sensor	Order with Model No.	Factory Install	AleoBlue™ App

*Additional lead time



aleoblue™

LOOKING FOR ADDITIONAL **ALEOBLUE CONTROL DEVICES?**

Enhance your lighting system with optional AleoBlue control devices designed to expand functionality and simplify installation. Click here or scan the QR code to view all currently available options.

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aleoblue™



ALEOBLUE WIRELESS BLUETOOTH® CONTROLS

DLC LISTED

The AleoBlue is a complete solution for managing connected lighting systems using a Bluetooth® NLC lighting network. This enables seamless implementation of simple to complex lighting control scenarios without specialized training or lighting control engineering expertise.

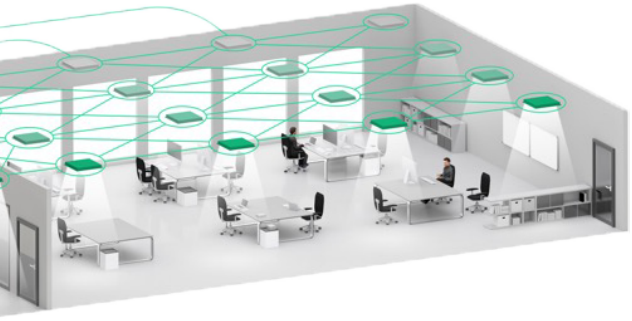
DLC NLC Qualified.

FEATURES AND BENEFITS

- Lighting Zones / Grouping
- Manual control of individual lights
- On Power up Behavior
- Zone Linking
- High-End Trim
- LLLC (Luminaire Level Lighting Controls)
- Energy Monitoring
- Optimized Energy Consumption
- Less Hassle with On-Site Adjustments
- More Savings
- Increased Safety
- More Flexibility
- Intuitive and user-friendly web and iOS apps
- No specialized training or lighting control expertise required
- Optimized for commercial spaces of any size
- No additional wiring or central control box
- Customizable lighting control parameters
- Future proof with Software Updates
- Multiple Zone Configurable
- Built-In Scenarios + Customization

BLUETOOTH® NLC TECHNOLOGY ADVANTAGES

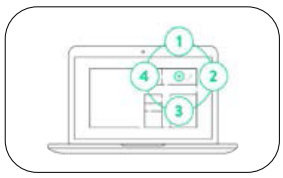
- The fastest low-power communication
- Scalability to thousands of devices
- The most advanced encryption standards as well as the cutting-edge device authentication
- No single point of failure (no central device)
- Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth® 4.0 and Bluetooth® 5)



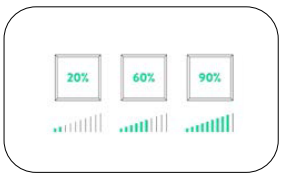
SCHEDULING



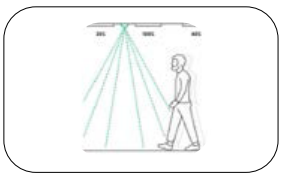
SCENES



HIGH / LOW END TRIM



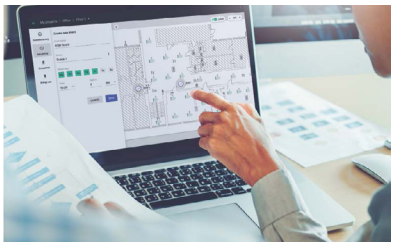
OCCUPANCY SENSING



PLANNING

Remote preparation of a retrofit project with the use of our web app. Uploading floor plans, defining individual lighting zones and choosing lighting control scenarios.

1. Import Floor Plans
2. Specify Desired Lighting Control Scenarios
3. Define Individual Lighting Zones



IMPLEMENTATION

Adding lighting devices to the Bluetooth® NLC network on-site with the use of an iOS app.

Customization and calibration of lighting control parameters during and after the commissioning process. Defining scenes for specific working activities.

1. Add Devices to Your Connected Lighting Network
2. Implement Predefined Zones and Scenarios
3. Optimize Configuration Settings if Needed

PROVISIONING / CONFIGURATIONS

The Bluetooth® NLC Node is in the Unprovisioned Mode until it is provisioned by a “Provisioner”, which typically is a smart phone with a Bluetooth® NLC compatible app.

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