aleo LIGHTING + CONTROLS

Project	
Type	Date
Cat. No.	

WPQ™ Series

Modern Full Cut-off Wall Pack

aleoblue



DESCRIPTION

The Aleo WPQ™ Series is a modern full cutoff wall pack that delivers zero-uplight site lighting from a clean, low-profile die-cast housing. Every WPQ™ ships as one complete catalog number and configures at the fixture: four wattage settings, three color temperatures, and a field-adjustable Type II, Type III, or Type IV distribution, with no optics to order and no parts to swap. An integral dusk-to-dawn photocell comes standard and can be disabled by switch, and sensor receptacle accepts a field-installed occupancy sensor for code-driven projects and AleoBlue™ wireless control.

APPLICATIONS

Building perimeters and façades, entrances and exits, walkways and breezeways, loading docks, service doors, stairwells, schools and campuses, multi-family and hospitality exteriors, and any dark-sky-sensitive site where a full cutoff, zero-uplight luminaire is specified.

WPQ™ SERIES

15W / 20W / 30W / 40W
40W / 50W / 60W / 80W
60W / 80W / 100W / 120W

QUICK SHIP

WPQ-40UX/CT
WPQ-80UX/CT
WPQ-120UX/CT

SPECIFICATION FEATURES

- **CONSTRUCTION**
  Rugged die-cast aluminum housing with advanced thermal management and a weatherproof, gasketed electrical compartment. Features a polycarbonate lens, IP65 wet-location rating, and –40°F to 113°F (–40°C to +45°C) operating range. Standard Dark Bronze finish. For permanent installation in ordinary, non-hazardous locations; not suitable for seaside or high-salt-spray environments.
- **OPTICAL SYSTEM**
  True full cut-off with 0.0% uplight (U0). Field-selectable Type II, III, or IV distribution via switch (Type IV default), with no additional optics or lens changes required.
- **CERTIFICATION**
  UL Listed.
- **ELECTRICAL**
  Universal 120V–277V input, 50/60 Hz. Power factor >0.90, THD.
- **INSTALLATION / MOUNTING**
  Surface wall mount over a recessed junction box, minimum 4 ft (1.2 m) above grade. Mounting plate includes lag-bolt locations and standard junction-box hole patterns. Front housing opens via two captive screws for wiring access without disassembly.
- **CONTROLS / DIMMING**
  Integral dusk-to-dawn photocell, switchable ON/OFF at the fixture, and continuous 0–10V dimming with dim-to-off. Sensor Ready receptacle accepts a separately ordered, plug-and-play occupancy sensor compatible with AleoBlue™ wireless Bluetooth® NLC and SimplBlue™ controls.
- **FIELD ADJUSTABLE CCT / WATTAGE / DISTRIBUTION TYPE**
  Four (4) selectable wattage settings, three (3) color temperatures and Type II, III and IV distribution types. Factory defaults: maximum wattage, 5000K, Type IV distribution, and photocell ON. Provides 72 field-selectable configurations per catalog number.
- **WARRANTY**
  7-year Limited Warranty. See warranty documentation for more information.

ORDERING INFORMATION

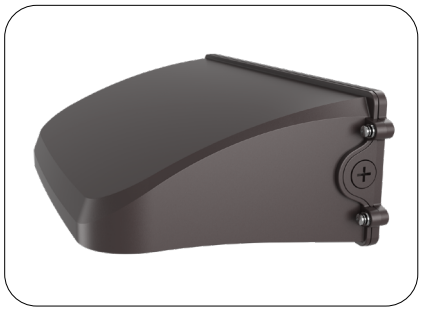
EXAMPLE: WPQ-120UX/CT

WPQ	80	UX	CT	[Blank]	[Blank]	[Blank]
Series	**Nominal Max Wattage**	**Lumen Package**	**Color Temp**	**Input Voltage**	**Controls**	**Finish**
WPQ Modern Full Cut-off Wall Pack	**40** 15W / 20W /30W / 40W **80** 40W / 50W / 60W / 80W **120** 60W / 80W / 100W / 120W	**UX** Field Adjustable Wattage	**CT** Field Adjust. 3000K 4000K 5000K	**Blank** 120V-277V	**Blank** Photocell (switchable ON/OFF)	**Blank** Dark Bronze RAL#8019

[Blank]		Options
Distribution Type		**Controls**
Field Adjustable	Type II Type III Type IV (Default)	See Pg. 4 for details

Specifications and Dimensions subject to change without notice.

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PERFORMANCE SUMMARY

Input Voltage	120V-277V	**THD**	< 20%
Input Frequency	50/60 Hz	**Rated Life (L70)**	> 100,000 hours
Rated Wattage	See Performance Table	**IP Rating**	IP65
Delivered Lumens	See Performance Table	**Photometric Distribution**	Field-adjustable Type II / III / IV
Efficacy	Up to 143 lm/W	**Dimming**	0-10V continuous, dim-to-off
CRI	> 80	**Operating Temp.**	-40°F to 113°F (-40°C to +45°C)
Available CCT	3000K / 4000K / 5000K, field-selectable	**Surge Protection**	6kV / 6kV
Power Factor	> 0.9	**Uplight**	0.0% (U0) — full cutoff

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PERFORMANCE DATA

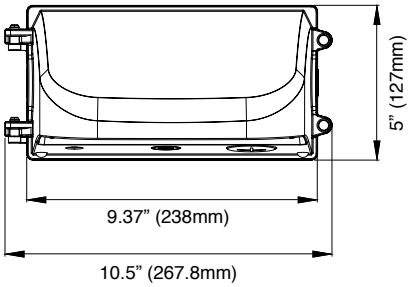
Catalog No.	Nominal Wattage	Color Temperature	Lumens (lm)	Wattage (W)	Efficacy (lm/W)
WPQ-40UX/CT	15	3000K	2,436	15.3	159.2
		4000K	2,552	14.5	176.0
		5000K	2,529	15.1	167.5
	20	3000K	3,217	20.4	157.7
		4000K	3,381	19.4	174.3
		5000K	3,333	20.1	165.8
	30	3000K	4,761	30.5	156.1
		4000K	5,005	29.0	172.6
		5000K	4,959	30.2	164.2
	40	3000K	6,288	40.7	154.5
		4000K	6,610	38.7	170.8
		5000K	6,533	40.2	162.5
WPQ-80UX/CT	40	3000K	6,296	39.6	159.0
		4000K	6,594	37.4	176.3
		5000K	6,591	39.3	167.7
	50	3000K	7,796	49.5	157.5
		4000K	8,154	46.7	174.6
		5000K	8,151	49.1	166.0
	60	3000K	9,260	59.4	155.9
		4000K	9,700	56.1	172.9
		5000K	9,700	59.0	164.4
	80	3000K	12,205	79.1	154.3
		4000K	12,781	74.7	171.1
		5000K	12,788	78.6	162.7
WPQ-120UX/CT	60	3000K	9,499	60.5	157.0
		4000K	10,011	57.5	174.1
		5000K	9,930	60.0	165.5
	80	3000K	12,525	80.6	155.4
		4000K	13,215	76.7	172.3
		5000K	13,112	80.0	163.9
	100	3000K	15,513	100.8	153.9
		4000K	16,343	95.8	170.6
		5000K	16,230	100.0	162.3
	120	3000K	18,413	120.9	152.3
		4000K	19,424	115.0	168.9
		5000K	19,272	120.0	160.6

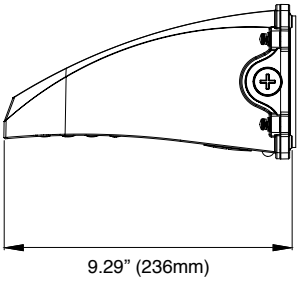
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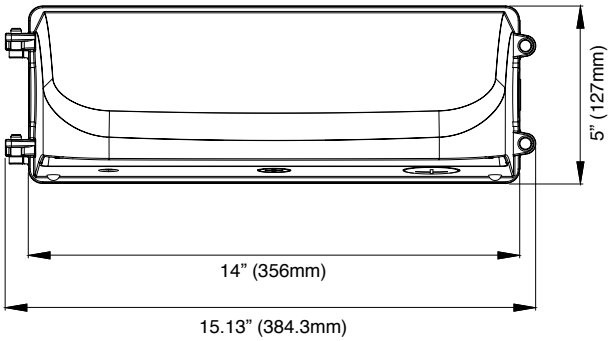
PRODUCT DIMENSIONS

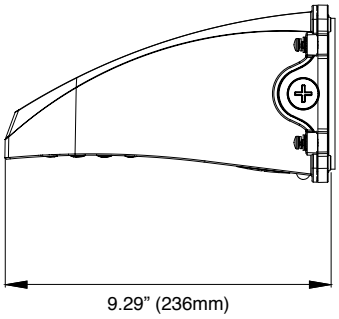
WPQ-40 / 80





WPQ-120





PRODUCT OPTIONS

SENSOR OPTIONS

Catalog No.	Description	Ordering	Shipping	Remote Control
AB-SPIR-FM-DVB-BLK	AleoBlue, Wireless Bluetooth® PIR Occ Sensor w/ Daylight Harvesting, 12V DC input, Plug and Play 3.5mm port, 40ft high bay lens, 300ft range, Black	Order and Ship Separately	Field Install (Plug/Play)	AleoBlue App
EFS07-AUX	Multi-level Passive Infrared Occ Sensor w/ Photocell Function, Plug and Play 3.5mm port, IR remote setting	Order and Ship Separately	Field Install (Plug/Play)	SRC-A01
-OSDL/BT	AleoBlue™ Multi-level Wireless Bluetooth® Occupancy Sensor w/ Daylight	Order with Model No.	Factory Install	AleoBlue™ App



AB-SPIR-FM-DVB-BLK



EFS07-AUX

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BUG RATING

Model No.	B	U	G
WPQ-40UX/CT	2	0	1
WPQ-80UX/CT	3	0	2
WPQ-120UX/CT	3	0	3

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aleo LIGHTING + CONTROLS

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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.

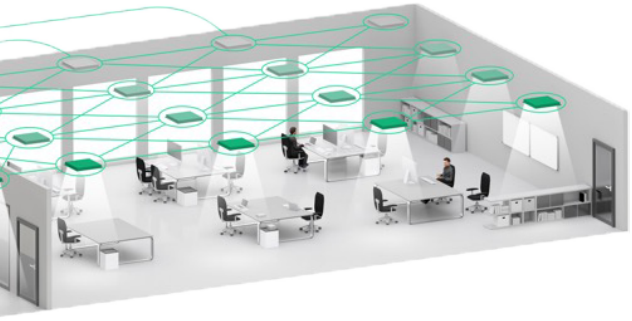
DLC NLC Qualified.

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

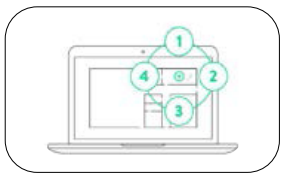
- The fastest low-power communication
- Scalability to thousands of devices
- The most advanced encryption standards as well as the cutting-edge device authentication
- No single point of failure (no central device)
- Compatibility with a widely available devices (smart phones & tablets – both with Bluetooth®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



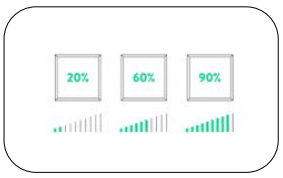
SCHEDULING



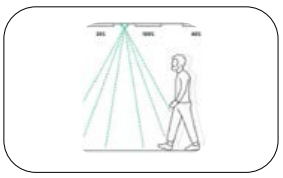
SCENES



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.

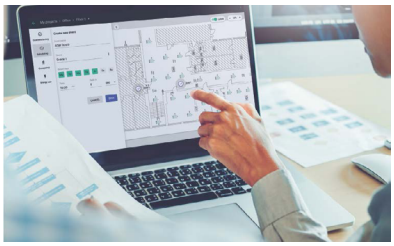
1. Import Floor Plans
2. Specify Desired Lighting Control Scenarios
3. Define Individual Lighting Zones

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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