TRACE·LITE
BARRON
commercial & industrial lighting

DESCRIPTION

The VPA-CP Series LED linear vaportight features robust construction with an IK08 impact-tested polycarbonate housing, designed for easy installation with direct, toolless access to the driver compartment. The UV-stabilized, frosted polycarbonate lens provides impressive general illumination and is available in 2', 4', and 8' configurations. Now power switchable, the VPA-CP Series offers 2' models with selectable wattages of 20W, 25W, or 30W; 4' models with selectable wattages of 25W, 35W, or 50W; and 8' models with selectable wattages of 60W, 75W, or 90W. Internal switches allow users to select the CCT between 3500K, 4000K, and 5000K. An optional integral microwave sensor, centered behind the lens, offers two- or three-step level dimming, along with light thresholds and daylight harvesting capability. Additionally, a battery backup option ensures emergency egress lighting for 90 minutes. The VPA-CP Series is rated NEMA 4X and is designed for indoor and outdoor covered spaces requiring protection from dust, dirt, and water. It also meets NSF certification for applications in Food Zone, Splash Zone (surfaces subject to splash and food spillage), and Non-Food Zone areas. With the availability of 45-degree angle brackets, this series offers a robust, cost-effective, and easy-to-install solution, perfect for both new construction and retrofits.

SPECIFICATIONS

Construction:
• UV-stabilized polycarbonate enclosure in a light gray finish, IK08 impact-tested, 2', 4' and 8' lengths
• Stainless steel clips secure the lens to the enclosure

Optics/LEDs:
• UV-stabilized frosted polycarbonate lens offering an even, diffused light
• General 120° distribution
• Available in three lengths/lumen packages;
  • 2' Unit, 20W-25W-30W, up to 4,365 lumens
  • 4' Unit, 25W-35W-50W, up to 7,008 lumens
  • 8' Unit, 60W-75W-90W, up to 12,404 lumens
• Color switchable between 3500K, 4000K and 5000K CCT. Switch is located inside the fixture
• Up to 146 Lm/W
• L70 >100,000 hours
• CRI ≥80

Electrical:
• 120-277VAC, 50/60Hz
• 0-10V Dimming

Installation:
• For ceiling or wall surface mount installation, includes mounting clips
• 45° mounting brackets available (VPA-45BKT)
• Cable mount suspension kit available (VPA-CTY11)

Options:
• Integral battery backup option (BB) offers up to 1,000 lumens for 90 minutes of emergency illumination for path of egress. Rated for temperatures of 0°C to 40°C (32°F to 104°F)
• Integral microwave sensor option (SC) behind the lens. Sensor allows for two or three step/level dimming and has optional daylight harvesting capabilities. Settings can be adjusted via dip switches on the sensor or optional remote control accessory. See sensor details for default settings

Accessories:
• Bluetooth PIR motion sensor with daylight harvesting, white finish, 12VDC (LE-MS2-HB1)
• Bluetooth wall switches (LE-SWX)
• 45° Mounting brackets, set of 2 (VPA-45BKT)
• 11.5' Cable mount suspension kit (VPA-CTY11)
• Tamper resistant hardware kit, set of 6 screws and 1 drill bit (VPA-TRH)
• Remote Control for Sensor (SC) allows for field programming (SC-MS6-REMOTE)

Model: _____ Date: _____
Accessories: _____
Job Name: _____ Type: _____

FIELD-SWITCHABLE COLOR & POWER

UL CERTIFIED · DLC LISTED · DLC LISTED PREMIUM · NSF · NEMA 4X · IP66

IK08 · lite logic · Bluetooth · 5 YEAR WARRANTY

Specs at a Glance			
Model	VPA-2-30-CP	VPA-4-50-CP	VPA-8-90-CP
Wattage (W)*	20W-25W-30W Switchable	25W-35W-50W Switchable	60W-75W-90W Switchable
Lumens (lm)	2,820 - 4,365	3,428 - 7,008	8,617 - 12,404
Efficacy (LPW)	Up to 146		
CCT (K)	3500K-4000K-5000K Switchable		
CRI	≥80		
Input Voltage	120-277VAC, 50/60Hz, 0-10 Dimmable		
Operating Temp	-20°C to 40°C (-4°F to 104°F)		
Certifications	cULus Listed for Wet Locations, NEMA 4X, IP66, IK08, NSF, DLC PREMIUM		
Warranty	5 Years		

* Nominal wattage. Tested at 3500K CCT, 130Lm/W.
 Note: Environment and application will affect performance. Typical values and 25°C used for testing. Specifications subject to change without notice.

Testing & Compliance:
• cULus Listed for Wet Locations
• NEMA 4X Rated
• NSF Certified for food equipment, rated for Food Zone, Splash Zone and Non Food Zone
• IP66 Rated
• DesignLights Consortium® (DLC) PREMIUM Qualified
• Operating temperatures: -20°C to 40°C (-4°F to 104°F)

Warranty:
• Five Year Warranty (Terms and Conditions Apply)

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ORDERING INFORMATION (EXAMPLE: VPA-4-50-CP)

Series	Size/Wattage	CCT	Options (Factory Installed)
VPA	2-30 = 2', 20/25/30W	CP = Power & CCT Selectable (3500K-4000K-5000K)	BB[1] = Battery Backup
	4-50 = 4', 25/35/50W		SC = Motion Sensor
	8-90 = 8', 60/75/90W		

LiteLogic Accessories[2] (Field Installed, Order as Separate Line Item)		Accessories[2] (Field Installed, Order as Separate Line Item)
LE-MS2-HB1 = Bluetooth Enabled Motion PIR Sensor w/Daylight Harvesting, 120/277VAC		VPA-45BKT = 45° Angle Surface Mount Bracket (Pack of 2)
LE-SW2 = Bluetooth Enabled, 5-Button, Battery Powered Wall Switch		VPA-CTY11 = VPA-CP, 11.5' Cable Mount w/Integral Y-toggles (Pack of 2)
LE-SW3 = Bluetooth Enabled, 3-Button, Line Voltage Wall Switch (Neutral Required)		VPA-TRH = Tamper Resistant Hardware Kit, 6 Screws, 1 Tool Bit
LE-SW4 = Bluetooth Enabled, 7-Button, Line Voltage Wall Switch (Neutral Required)		
LE-WP = Wallplate for LE-SW2		
SC-MS6-REMOTE = Remote for Dimming Sensor Option (SC)		

Notes

[1] Not available on 2-30-CP configurations

[2] Order as separate line item, shipped in a separate box for final installation in the field

PERFORMANCE TABLE

Model	Wattage	CCT	Lumen Output (lm)	Efficacy (LPW)	DLC Classification
VPA-2-30-CP (20W, 3500K)	20W	3500K	2,819	141	Linear Ambient Luminaires (STANDARD) Stairwell and Passageway Luminaires (PREMIUM)
VPA-2-30-CP (20W, 4000K)	20W	4000K	2,880	144	
VPA-2-30-CP (20W, 5000K)	20W	5000K	2,844	142	
VPA-2-30-CP (25W, 3500K)	25W	3500K	3,301	132	
VPA-2-30-CP (25W, 4000K)	25W	4000K	3,481	139	
VPA-2-30-CP (25W, 5000K)	25W	5000K	3,421	137	
VPA-2-30-CP (30W, 3500K)	30W	3500K	4,083	136	
VPA-2-30-CP (30W, 4000K)	30W	4000K	4,365	146	
VPA-2-30-CP (30W, 5000K)	30W	5000K	4,364	145	
VPA-4-50-CP (25W, 3500K)	25W	3500K	3,428	137	Linear Ambient Luminaires (STANDARD) Low-Bay Luminaires (STANDARD) Stairwell and Passageway Luminaires (PREMIUM)
VPA-4-50-CP (25W, 4000K)	25W	4000K	3,523	141	
VPA-4-50-CP (25W, 5000K)	25W	5000K	3,561	142	
VPA-4-50-CP (35W, 3500K)	35W	3500K	4,779	137	
VPA-4-50-CP (35W, 4000K)	35W	4000K	4,925	141	
VPA-4-50-CP (35W, 5000K)	35W	5000K	4,926	141	
VPA-4-50-CP (50W, 3500K)	50W	3500K	6,775	136	
VPA-4-50-CP (50W, 4000K)	50W	4000K	7,008	140	
VPA-4-50-CP (50W, 5000K)	50W	5000K	6,927	139	
VPA-8-90-CP (60W, 3500K)	60W	3500K	8,617	144	Linear Ambient Luminaires (STANDARD) Stairwell and Passageway Luminaires (PREMIUM)
VPA-8-90-CP (60W, 4000K)	60W	4000K	8,711	145	
VPA-8-90-CP (60W, 5000K)	60W	5000K	8,500	142	
VPA-8-90-CP (75W, 3500K)	75W	3500K	10,080	134	
VPA-8-90-CP (75W, 4000K)	75W	4000K	10,359	138	
VPA-8-90-CP (75W, 5000K)	75W	5000K	10,093	135	
VPA-8-90-CP (90W, 3500K)	90W	3500K	12,195	136	
VPA-8-90-CP (90W, 4000K)	90W	4000K	12,404	138	
VPA-8-90-CP (90W, 5000K)	90W	5000K	11,834	131	

Specifications are subject to change without notice.
Installation must be performed in accordance with
Barron Lighting Group installation instructions.

10800453 Rev 5

Page 2 of 4

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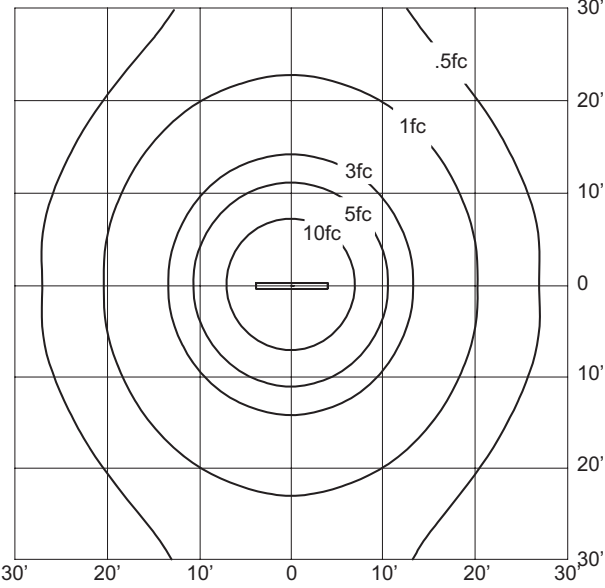800.533.3948 • www.barronltg.com

SAMPLE PHOTOMETRY

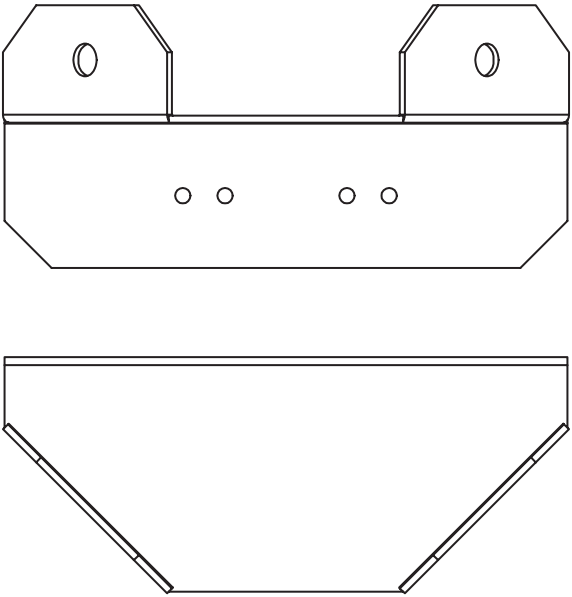**VPA-4-50-CP (50W, 5000K)**
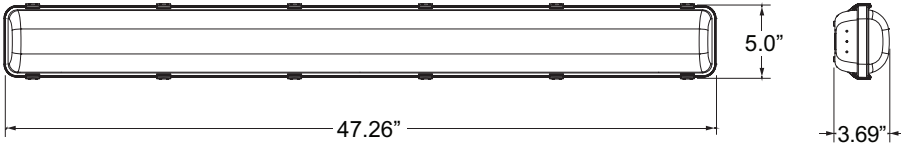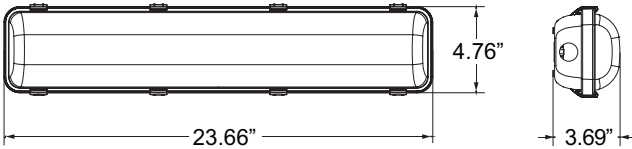IES: TYPE VS Very Short
MOUNTING HEIGHT: **10'**
TILT: ZERO
HORIZONTAL SPACING CRITERIA: 1.24

45° MOUNTING BRACKET DETAIL (ACCESSORY: VPA-45BKT)

DIMENSIONS

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Sensor Details - Bluetooth Enabled (Accessory: LE-MS2-HB1) <u>Click for sensor details</u>

Coverage Side View

Coverage Top View (40')

SEE APP FOR SENSOR SETTINGS

For a complete list of **LiteLogic** compatible products, <u>click here</u>.

Get it from the **App Store**

Get it from **Google Play**

Note: Bluetooth sensor controls do not allow for CCT selection using the app. CCT must be manually selected on the fixture.

Sensor Details (Option: SC)

- Settings in **bold** are factory defaults
- 5.8Ghz C-band microwave sensor located behind the lens
- 120/277VAC 50/60Hz, Maximum load (LED) – 800VA @ 120VAC/1200VA @ 277VAC
- 0-10V max dim control, 25mA sinking current.
- 15 second fixture warm-up time before normal sensor operation
- Can provide two or three step occupancy settings with optional daylight harvesting capabilities
- The sensor is equipped with dipswitches that can be used to adjust settings (no additional accessories required)
- IR remote control programing/commissioning (sold separately) allows user to program with ease;
  - Detection Range/Sensitivity (**100%**, 75%, 50% or 25%)
  - Standby/Hold time before dimming (5s, 30s, 1min, 3min, **5min**, 10min, 20min, 30min)
  - Light Control/Daylight harvesting (2Lux, 10Lux, 30Lux, 50Lux, 80Lux, 120Lux, 200Lux, 250Lux, 300Lux, 350Lux, 400Lux, **disabled**)
  - Dim/Twilight level (10%, 20%, **30%**, 50%)
  - Standby/Twilight time before unit turns off (+∞/does not turn off, 0s, 10s, 30s, 1min, 5min, 10min, **30min**, 60min)
  - Fixture will turn on/off to confirm setting change by means of dipswitch or remote
- Detection radius up to 26'. Mounting height between 8' - 20'

Sensor Details (ACCESSORY: SC-MS6-REMOTE)

Button	Description	Button	Description	Button	Description
ON/OFF	1.Turn on or off light 2.Exit sensor mode and enter into ON/OFF mode.	Auto	Press this button, enter into sensor mode and perform the last parameter, press this button and Auto Mode will show on LCD screen display, means commands received successfully.	Reset	Press the button to enter into factory settings, means sensor starts to detect motion and turn on light automatically and only keep 5S holdtime then turn off the light.
Scenes	Press the button to choose in 4 optional scenes; parameters can be saved into each scene and directly activate it.	Start	Press the button to start programming; the S icon will appear on the LCD screen, and disappear if no action within 10S, need to press it again.	Memory	Press the button to save the parameters, the M icon will appear on the LCD screen, means parameters saved succesfully.
Apply	Press the button to deliver the saved parameters to target sensors.	M H Mounting Height	Press the button to relatively adjust sensitivity from the sensor according to real Pinstallation height, make sensors working more perfectly in the environment.	Send	Press the button to deliver the last parameters, instead of"START-MEMORY-APPLY
Detection range	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose the wanted parameters.	Daylight sensor	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose the wanted daylight level; the max level is 400lux, --- means diasble, LEN means learning ambient brightness.	Stand-by dimming	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose the wanted standby dim level.
Hold time	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose the wanted holdtime.	UP	Press the button, numbers on LCD screen display gets higher till the wanted one appears.	Stand-by period	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose the wanted standby period; the min is 0S, the max is infinite.
CCT	(Only supporting sensors with CCT tunable feature) Press the button, then icon will flick on LCD screen display, then use +/- buttons to choose from the saved CCT options(2700K, 3500K, 4000K, 5000K, 5700K, 6500K).	DOWN	Press the button, numbers on LCD screen display gets lower till the wanted one appears.	POWER	Press the button, the icon will flick on LCD screen display, then use +/- buttons to choose wanted brightness level. *In ON/OFF mode, output dimming range is 10%-100%; In SENSOR mode, output dimming range is 60%-100%.
Reserved	This is a reserved button for future updates with unexpected feature.	Daylight Harvesting	Make parameters according to daylight harvesting conditions, then press this button to activate this function; DH-ON will show on LCD screen display.	Test	Press the button to quickly perform testing function, keep only 2S ON then OFF, till motion gets detected and turn on light again.

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