

VuePoint Series

VuePoint LED Low-Bay/High-Bay Luminaire

Rev. Date: V4 06/09/2023

Product Description

VuePoint High Bay Series challenges the status quo, letting you forget about squint-inducing raw lumens, while preserving visual comfort and delivering category-leading performance. The VuePoint delivers remarkable energy savings and performance through its highly efficient and standard diffused optical assembly. With its clean, streamlined form factor and virtually maintenance free design the VuePoint provides substantially better light across industrial, warehouse, retail, athletic, auditorium, transportation and hangar environments in both new construction and retrofits.

Performance Summary

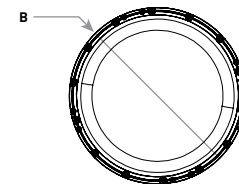
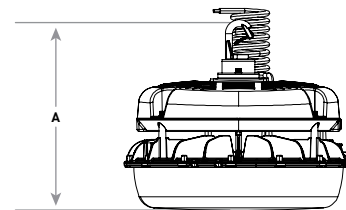
Initial Delivered Lumens: 12,000 - 35,000 lumens
Operating Temperature Range - Standard: 12-24L: -40°C to 45°C; 30L & 35L: -40°C to 40°C; w/ EB1: 12L-24L: 10°C to 40°C; 30L: 10°C to 35°C; 35L: 10°C to 25°C
Efficacy: Up to 170 LPW
CRI: 80+
CCT: 4000K, 5000K
Input Voltage: 120-277 VAC
L₇₀ Lifetime: > 100,000 hours at maximum operating temperature
Limited Warranty¹: 5 years on luminaire; 1 year on accessories
Universal Mounting: Hook & Cord or Pendant Mount
Weight: Maximum 14 lbs. (6.4kg)
Controls: 0-10V dimming to 10% or Programmable Multi-level

¹See <http://creelighting.com/warranty> for warranty terms

Standard Diffuse Refractor



Shown with Optional Polycarbonate Reflector Accessory



Luminaire	Dim "A"	Dim "B"
VUE 12L-24L	11.5" [292mm]	Ø 13.8" [349mm]
VUE 30L-35L	11.5" [292mm]	Ø 15.8" [400mm]

Refer to page 4 for dimensions with PML control and polycarbonate reflector accessories.

Ordering Information

Example: VUE-A-UV-24L-40K8-M-UL-10V

VUE	A	UV							
Product	Version	Mounting	Lumen Package*	CCT/CRI	Distribution	Voltage	Controls	Cord	Options
VUE	A	UV Universal Mount	12L 12,000 Lumens 18L 18,000 Lumens 24L 24,000 Lumens 30L 30,000 Lumens 35L 35,000 Lumens	40K8 4000K, 80 CRI 50K8 5000K, 80 CRI	M Medium	UL Universal 120-277V	10V 0-10V Dimming PML Programmable Multi-Level - Refer to PML spec sheet for details - Sensor lens covers mounting heights up to 40' (12.2m). Detects walking to 30' (9.1m) and fork lifts to 40' (12.2 m)	Blank (standard) 6' Cord 5C 5-Conductor Cord	EB1 Emergency (9W/90 min.) - Reduced operating temperature

* Lumen Package codes identify approximate light output only. Actual lumen output levels vary depending on CCT and reflector selection. Refer to Delivered Lumens table for specific lumen values.



US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234

CREE  **LIGHTING**

Product Specifications

CONSTRUCTION & MATERIALS

- Impact resistant polycarbonate and aluminum housing
- Die cast aluminum heatsink
- Low-profile, lightweight design provides ease of installation
- UV mount is provided with factory threaded cast hook for mounting, factory installed 6' (1.8m) 18/3 SJT white power cord and a threaded 1/4 NPT to accept pendant (by others)
- Optional 6' (1.8m) 18/5 SEOW/STOW white power cord available (5C option)
- EB1 includes 6' (1.8m) 16/4 SEOW/STOW white power cord
- Factory calibrated to hang straight
- Designed for downlight applications only
- **Weight:** Maximum 14 lbs. (6.4kg)

OPTICAL SYSTEM

- Standard impact resistant polycarbonate diffused refractor
- Polycarbonate reflector: 12-24L - Ø 18.9" (479mm) x H 5.6" (142mm); 30-35L - Ø 22.4" (570mm) x H 7.1" (180mm)
- LED system delivers proper uniformity & spacing
- IP6X optical assembly sealed to protect LEDs and keep dust out

ELECTRICAL SYSTEM

- Integral, high-efficiency driver
- **Input Voltage:** 120-277V, 50/60Hz
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- **Operating Temperature Range:**

Lumen Package	Standard Luminaire	Luminaire w/EB1 Option
12L-24L	-40°C to 45°C (-40°F to +113°F)	10°C to 40°C (50°F to +104°F)
30L	-40°C to 40°C (-40°F to +104°F)	10°C to 35°C (50°F to +95°F)
35L	-40°C to 40°C (-40°F to +104°F)	10°C to 25°C (50°F to +77°F)

- **Transient Protection:** 6kV/3kA tested in accordance to IEEE/ANSI
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current

0-10V DIMMING

- Continuous 0-10V dimming to 10% with dim to off at <0.5V control voltage
- 10V Source Current: 0.10mA
- Use only lighting controls with neutral connection or controls intended for use with LED fixtures
- Reference dimming document for additional information

PROGRAMMABLE MULTI-LEVEL OPTION

- High/low/off photo/motion sensor
- Covers mounting heights up to 40' (12.2m). Detects walking to 30' (9.1m) and fork lifts to 40' (12.2 m)
- Refer to PML spec sheet for details on sensor functionality, operation and lumen and power multipliers

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598; UL8750)
- Suitable for damp locations
- Designed for indoor use only
- Requires minimum 90°C supply conductors
- Not intended for use in environments containing airborne corrosive agents such as chemical solvents, cleaners, or cutting fluids
- IP6X optical assembly
- UL924 (EB1 option). Maximum mounting height: 20.5' (6.2m) with standard diffuse refractor and 25.7' (7.8m) w/polycarbonate reflector accessory
- DLC qualified with standard polycarbonate diffuse refractor, and DLC premium qualified when ordered with polycarbonate reflector accessory. Refer to <https://www.designlights.org/search/> for most current information
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Lens assembly meets IK10 requirements per IEC 60068-2
- RoHS compliant. Consult factory for additional details
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm - www.p65warnings.ca.gov

Electrical Data*					
Lumen Package	System Watts 120-277V	Total Current (A)			
		120V	208V	240V	277V
12L	79	0.67	0.38	0.33	0.28
18L	114	0.96	0.55	0.48	0.41
24L	151	1.28	0.73	0.63	0.54
30L	188	1.61	0.91	0.78	0.68
35L	214	1.82	1.04	0.89	0.77

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%.

Delivered Lumens			
Luminaire	Lumen Package	4000K/5000K	
		Initial Delivered Lumens*	Efficacy (LPW)
VuePoint w/Standard Diffuse Refractor	12L	12,725	161
	18L	18,500	162
	24L	25,600	170
	30L	31,600	168
	35L	36,000	168
VuePoint w/Optional Polycarbonate Reflector Accessory VPCR1 (12L-24L) VPCR2 (30L-35L)	12L	12,350	156
	18L	18,000	158
	24L	24,800	164
	30L	30,700	163
	35L	35,000	164

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

Delivered Emergency Lumens			
Luminaire	Lumen Package	4000K/5000K	
		Approximate Delivered Emergency Lumens	
VuePoint w/Standard Diffuse Refractor	12L	1,450	
	18L	1,460	
	24L	1,530	
	30L	1,510	
	35L	1,510	
VuePoint w/Optional Polycarbonate Reflector Accessory VPCR1 (12L-24L) VPCR2 (30L-35L)	12L	1,410	
	18L	1,420	
	24L	1,480	
	30L	1,470	
	35L	1,470	

Uplight Illumination Performance	
Luminaire	% Uplight
Standard Luminaire w/Diffuse Refractor	6.3%
VPCR1/VPCR2 (Clear Polycarbonate) Reflector	6%

VuePoint Series Ambient Adjusted Lumen Maintenance ¹					
Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimated ³ LMF
25°C (77°F)	1.00	0.94	0.88	0.83	0.78
30°C (86°F)	0.99	0.93	0.87	0.82	0.77
35°C (95°F)	0.98	0.92	0.86	0.81	0.76
40°C (104°F)	0.97	0.91	0.85	0.80	0.75
45°C (113°F)	0.96	0.90	0.84	0.78	0.73

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors.

² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED. Note: 30L & 35L are rated up to 40°C, 30L w/EB1 is rated up to 35°C, and 35L w/EB1 is only rated up to 25°C*.

VuePoint Series LED Low-Bay/High-Bay Luminaire

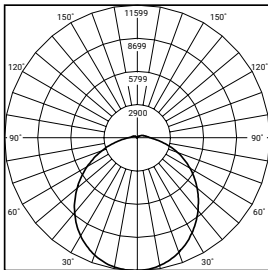
Accessories

Polycarbonate Reflectors
VPCR1 - For use with 12-24L lumen packages (18.9" [479mm] bottom diameter) VPCR2 - For use with 30-35L lumen packages (22.4" [570mm] bottom diameter)
Wireguards - not compatible with reflectors
VUE-WG1 - For use with 12-24L lumen packages VUE-WG2 - For use with 30-35L lumen packages
Galvanized Safety Cables
SC-5 (Single Cable) - 5.0' (1.5m) Cable SC-10 (Single Cable) - 10.0' (3.0m) Cable
Hand-Held Remote
XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/indoor/high-bay-low-bay/VuePoint>

VuePoint w/Standard Diffuse Refractor



RESTL Test Report #: PL16574-001A
 VUE-A-UV-35L-40K8-M-UL-10V
 Initial Delivered Lumens: 37,061

Coefficients Of Utilization – Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	118	118	118	118
1	106	100	96	91
2	96	87	80	73
3	87	76	67	61
4	80	67	58	51
5	73	60	51	44
6	67	54	45	38
7	63	49	40	34
8	58	44	36	30
9	54	41	32	27
10	51	38	30	24

Effective Floor Cavity Reflectance: 20%

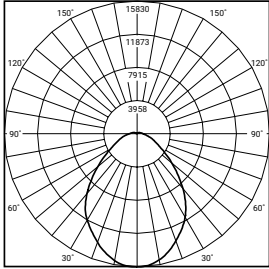
Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	8,879	N/A	24.0%
0-40	14,435	N/A	38.9%
0-60	25,494	N/A	68.8%
0-90	34,674	N/A	93.6%
0-180	37,060	N/A	100%

Average Luminance Table (cd/m ²)			
Vertical Angle	Horizontal Angle		
	0°	45°	90°
45°	109,013	109,273	109,339
55°	97,408	97,597	97,561
65°	85,336	85,467	85,520
75°	70,069	70,351	70,168
85°	52,882	52,046	51,513

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/indoor/high-bay-low-bay/VuePoint>

VuePoint w/Polycarbonate Reflector Accessory



Configured from BACL Test Report #: RZDG201218050-10
 VUE-A-UV-35L-40K8-M-UL-10V w_VUECR2
 Initial Delivered Lumens: 35,000

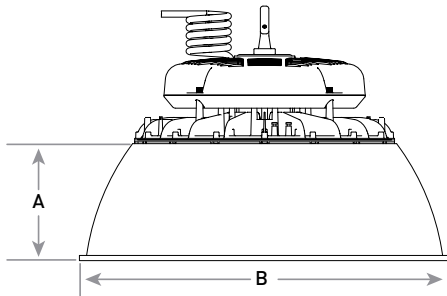
Coefficients Of Utilization – Zonal Cavity Method				
RC %:	80			
RW %:	70	50	30	10
RCR: 0	124	124	124	124
1	114	109	105	101
2	104	96	89	84
3	96	86	78	71
4	89	77	68	61
5	82	69	60	54
6	76	63	54	48
7	71	57	49	43
8	66	53	44	38
9	62	49	40	35
10	58	45	37	32

Effective Floor Cavity Reflectance: 20%

Zonal Lumen Summary			
Zone	Lumens	% Lamp	Luminaire
0-30	11,284	N/A	32.2%
0-40	17,681	N/A	50.5%
0-60	27,236	N/A	77.8%
0-90	32,919	N/A	94.1%
0-180	35,000	N/A	100%

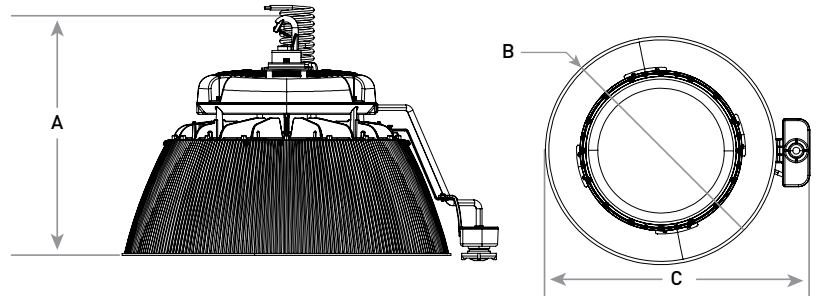
Average Luminance Table (cd/m²)			
Vertical Angle	Horizontal Angle		
	0°	45°	90°
	45°	6,994	7,007
55°	3,869	3,957	4,075
65°	2,087	2,255	2,367
75°	1,303	1,438	1,532
85°	854	874	929

VuePoint shown with Polycarbonate Reflector Accessory



Lumen Package	Dim "A"	Dim "B"
12L-24L	5.6" (142mm)	Ø 18.9" (479mm)
30L-35L	7.1" (180mm)	Ø 22.4" (570mm)

VuePoint shown with PML Control and Polycarbonate Reflector Accessory



Lumen Package	Dim "A"	Dim "B"	Dim "C"
12L-24L	15.4" (391mm)	Ø 18.9" (479mm)	22.3" (565mm)
30L-35L	16.4" (416mm)	Ø 22.4" (570mm)	25.6" (651mm)