

# VECTOR COB



**VECTOR COB 15, 25, 50, 60**



**VECTOR COB 75, 100, 120, 150**



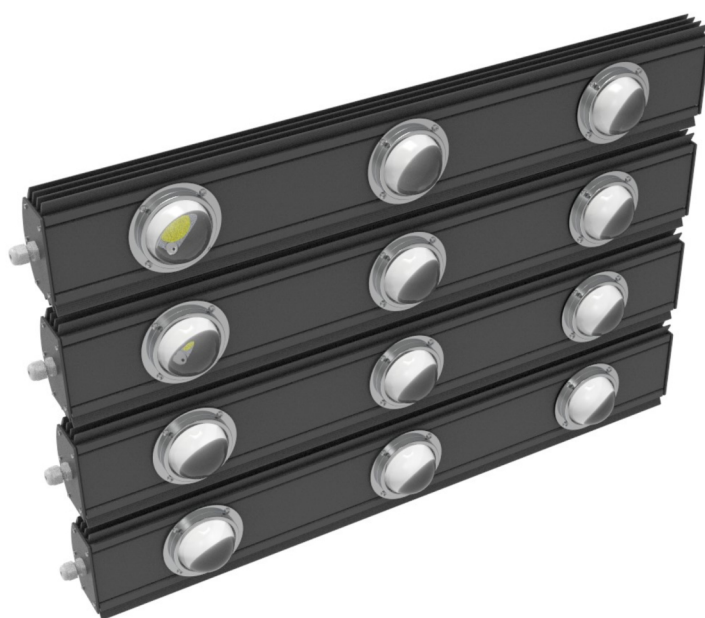
**VECTOR COB 200**



**VECTOR COB 300**



**VECTOR COB 400, 480**



**VECTOR COB 600**

### **The luminaire has a universal application and is used for lighting:**

- Industrial, railway, motor transport, construction, and agricultural facilities
- Sea and river ports, airports
- Sports infrastructure complexes (stadiums, football fields, tennis courts, volleyball courts, and other playgrounds, as well as racecourses)
- Squares and other open spaces
- Streets, roads, traffic intersections, bridge systems, and parking lots
- Architectural structures, facades, monuments, and billboards
- Quarries and open-pit mining sites
- Industrial, commercial, agricultural, warehouse, auxiliary, and other premises

**Housing Parts:** Extruded aluminum profile.  
**Diffuser:** Optical lens made of heat-resistant glass.  
**Adjustable Bracket:** Powder-coated steel.  
**Cable Entry:** 1 pc.  
**Light Source:** Samsung (South Korea) or CREE (USA) LEDs.  
**Power Supply:** Built-in MEAN WELL power supply (Taiwan).  
**Package Contents:** Luminaire with integrated LED light source.

### **Features:**

- Resistance to Housing Impact: IK08 (5 J).
- Mounting Options: Can be mounted on excavators, cranes, and other machinery.
- Thermoregulation Mechanism (Version T): If temperature limits are exceeded, a temperature sensor sends a signal to the power supply unit to reduce the luminaire's power. When normal temperature conditions are restored, the luminaire returns to its rated power, protecting the LEDs from premature failure.
- Overvoltage Protection Unit (Version P): Disconnects the luminaire from the mains if the voltage exceeds 280 V for more than 60 ms and reconnects it after voltage stabilization.
- Backup Protection: Each LED is equipped with a backup protection circuit. In case of a single LED failure, the luminaire continues to operate normally without any loss of light output.
- Smooth Switching: Gradually increases current during startup, creating a stable operating mode and extending the lifespan of the LEDs.
- Components Quality: Electronic components and LEDs sourced exclusively from world-leading manufacturers.
- Correlated Color Temperature (CCT): Wide range available, from 3000 K to 6000 K.
- Operating Voltage Range: 100–305 V AC.
- DC Compatibility: Can be configured to operate with a DC voltage of 220 V.

Model	VECTOR COB-D-XX-ABC-T-Π												
Operating Voltage (V)	AC 220, 12, 24, 36, DC 220, 12, 24, 36												
Power Factor (PFC)	0,95												
Color rendering index (CRI)	> 80												
Operating Temperature (°C)	from -40 to +40; from -40 to +80 with thermoregulation function												
Correlated Color Temperature (CCT, K)	4000 (on request 3000, 5000, 6000)												
Ingress Protection (IP)	IP65												
Impact Resistance (IK)	IK08/5 J												
Mechanical Stability	M1												
Rated Power (W)	15	25	50	60	75	100	120	150	200	300	400	480	600
Luminous Flux (lm)	1950	3250	6500	7800	9750	13000	15600	19500	26000	39000	52000	62400	78000
Luminous Efficacy (lm/W)	130												
Beam Angles (°)	60, 90, 120												
Light Source	Samsung (South Korea)												
Power supply	MEAN WELL (Taiwan)												
Lens	LEDiL (Finland)												
Electrical Protection Class	I												
Weight (kg)	1,1	2,8	2,8	3,0	3,6	3,6	4,4	5,4	7,8	11,4	16,2	18,0	23,4
Dimensions (LxWxH, mm)	130x130x170	350x130x150	350x130x150	400x130x150	500x130x150	500x130x150	600x130x150	800x130x150	500x280x230	800x280x230	500x580x230	600x580x230	800x580x230
Mounting Length (L1, mm)	70	70	200	200	200	200	200	200	200	400	200	200	400

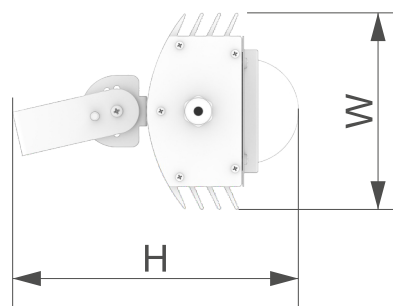
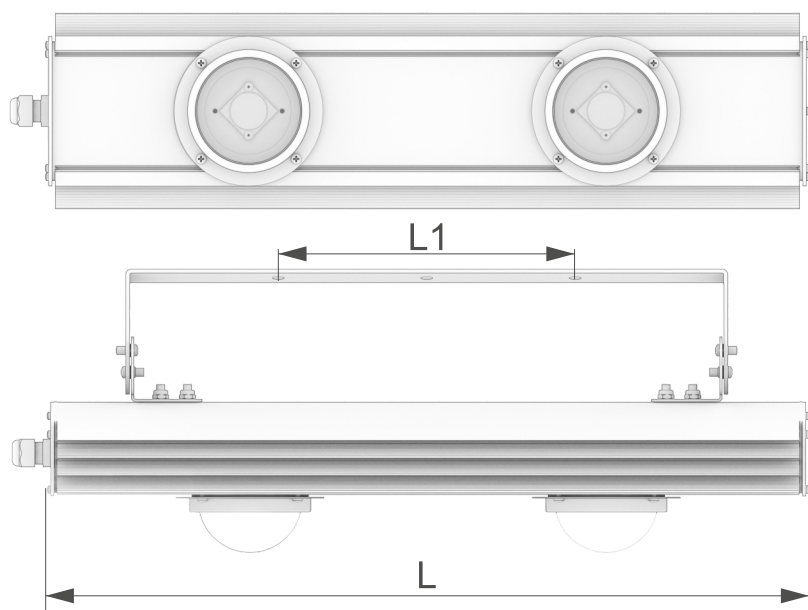
### Ordering Example VECTOR COB-D-XX-ABC-T-Π: Model Code Breakdown

<b>XX - Power:</b> 15 W 25 W 50 W 60 W 75 W 100 W 120 W 150 W 200 W 300 W 400 W 480 W 600 W	<b>A - Beam angle:</b> 1 - monoblock optical lenses, 60° 2 - monoblock optical lenses, 90° 3 - monoblock optical lenses, 120°	<b>B - Power supply network parameters:</b> 1 - AC, 220 V 2 - DC, 220 V 3 - AC, 36 V 4 - DC, 36 V 5 - AC, 24 V 6 - DC, 24 V 7 - AC, 12 V 8 - DC, 12 V	<b>C - Installation:</b> 1 - Using an adjustable bracket
			<b>T - Designation:</b> on request, with a temperature control sensor
			<b>P - Designation:</b> on request, with an overvoltage protection unit
			<b>D - Color temperature:</b> 0 - 3000 K 1 - 4000 K 2 - 5000 K 3 - 6000 K

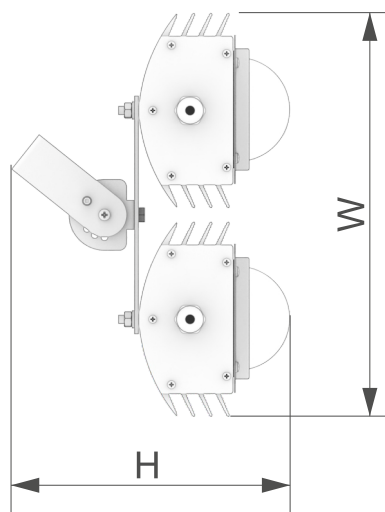
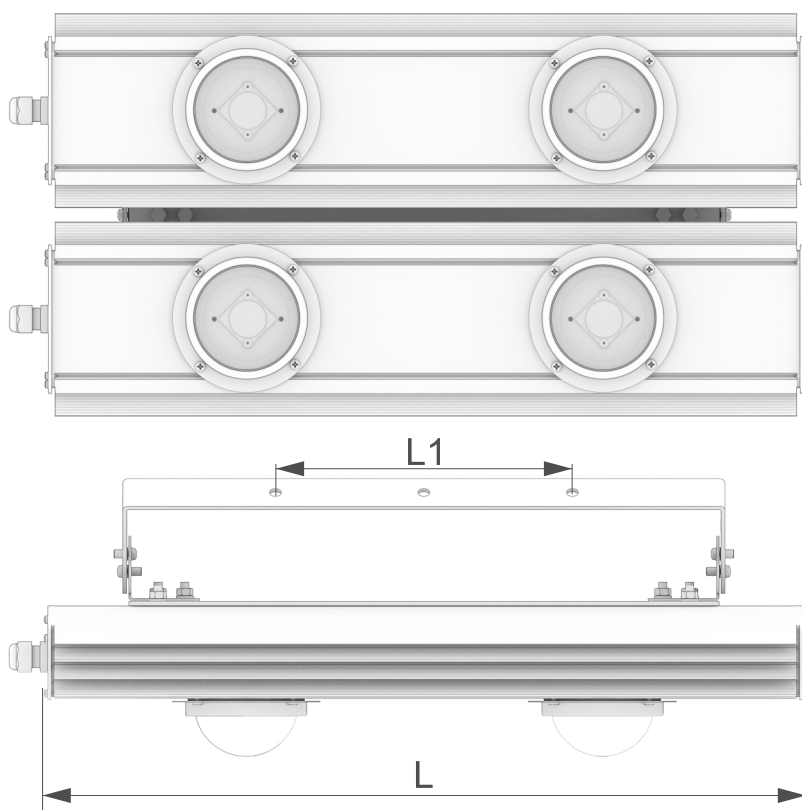
Mounting: on a horizontal or vertical bearing surface using an adjustable bracket.

ELECTRICAL CONNECTION: individual cable 8...12 mm (core cross-section 1.5...4 mm<sup>2</sup>).

## Lamp Sketch



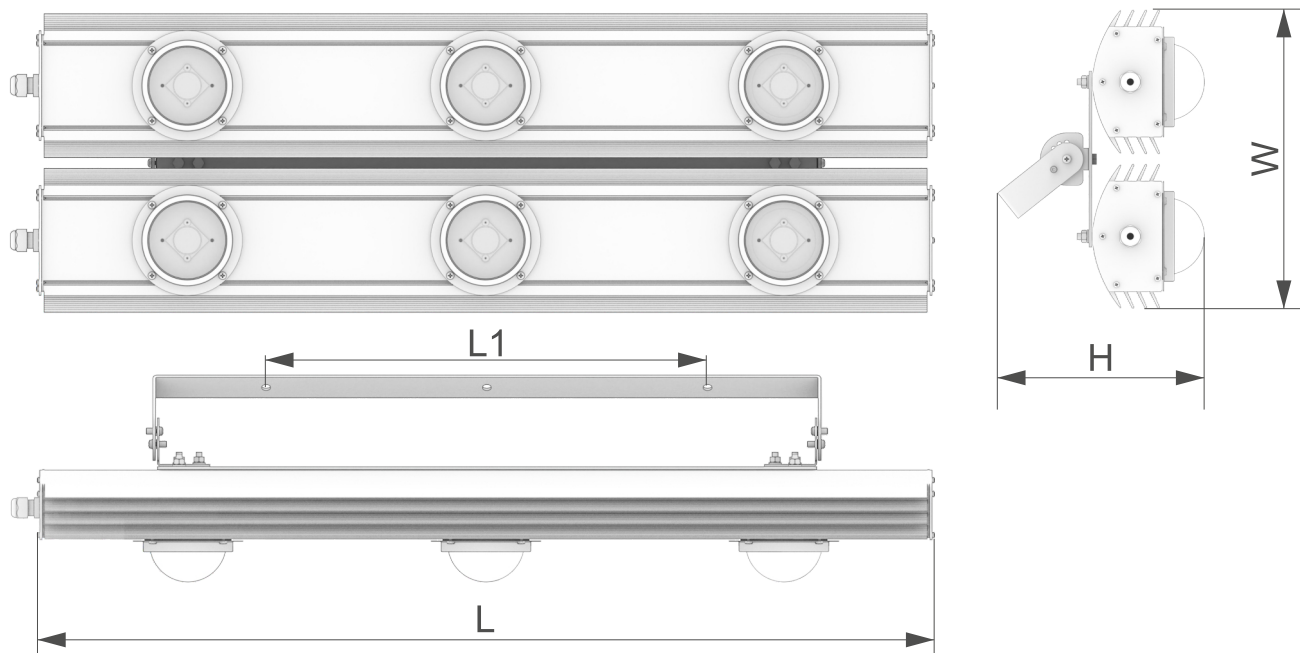
**VECTOR COB-D-75-ABC-T-П**  
**VECTOR COB-D-100-ABC-T-П**  
**VECTOR COB-D-120-ABC-T-П**  
**VECTOR COB-D-150-ABC-T-П**



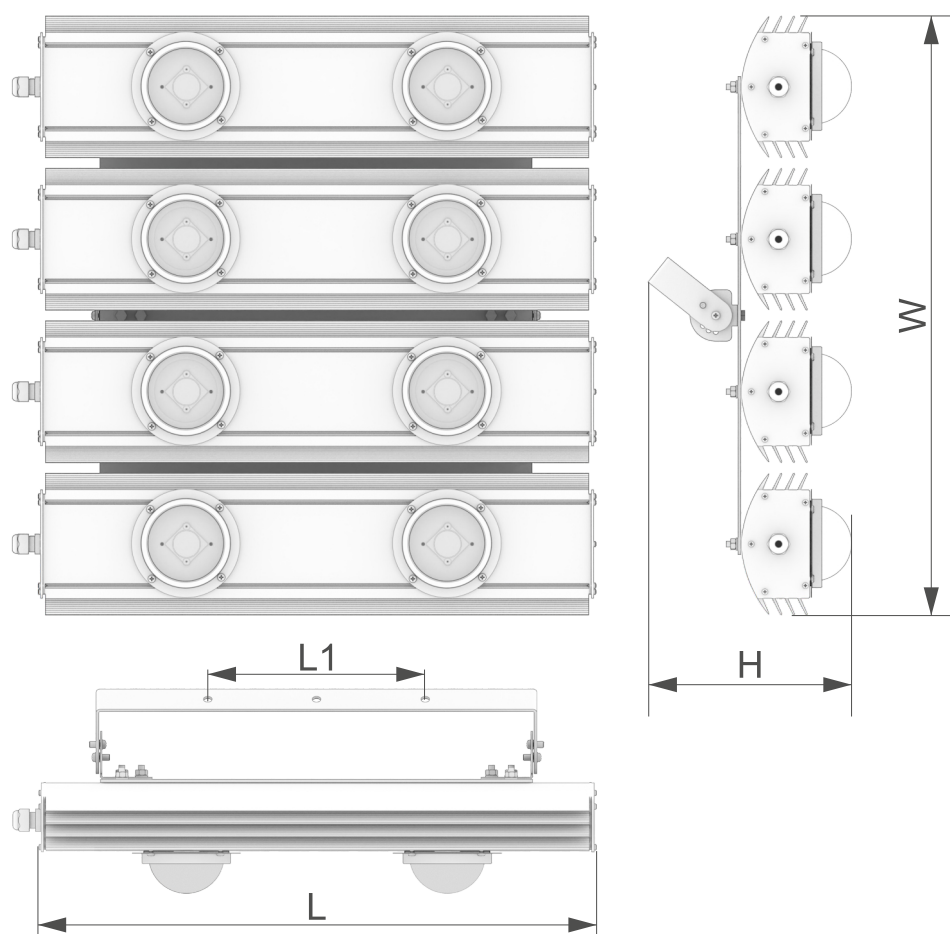
**VECTOR COB-D-200-ABC-T-П**



## Lamp Sketch

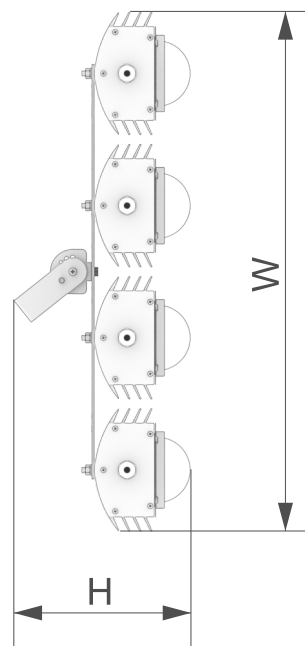
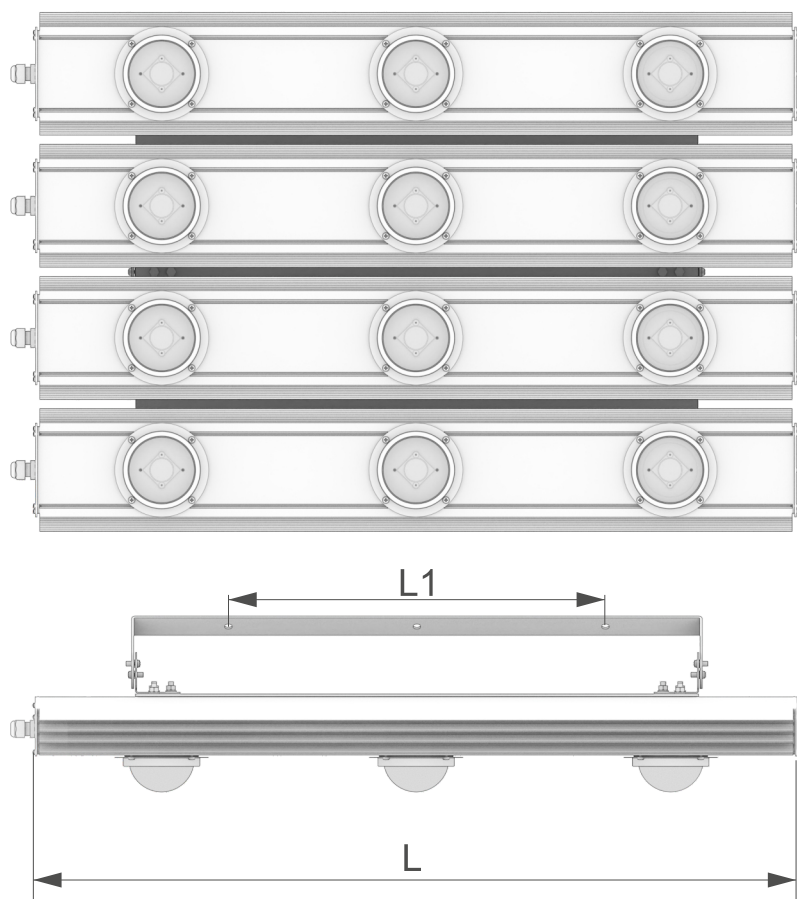


**VECTOR COB-D-300-ABC-T-П**

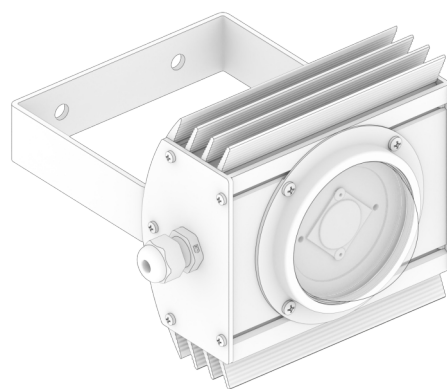
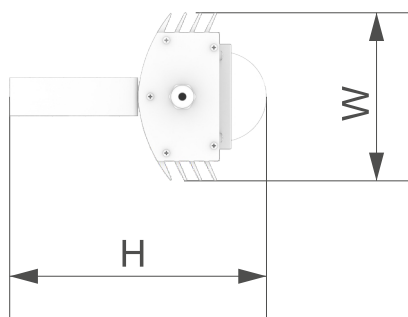
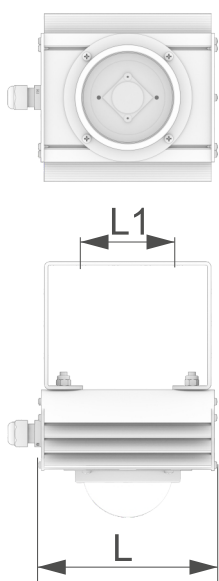


**VECTOR COB-D-400-ABC-T-П  
VECTOR COB-D-480-ABC-T-П**

## Lamp Sketch



**VECTOR COB-D-600-ABC-T-П**



**VECTOR COB-D-15-ABC-T-П  
VECTOR COB-D-25-ABC-T-П  
VECTOR COB-D-35-ABC-T-П  
VECTOR COB-D-50-ABC-T-П  
VECTOR COB-D-60-ABC-T-П**