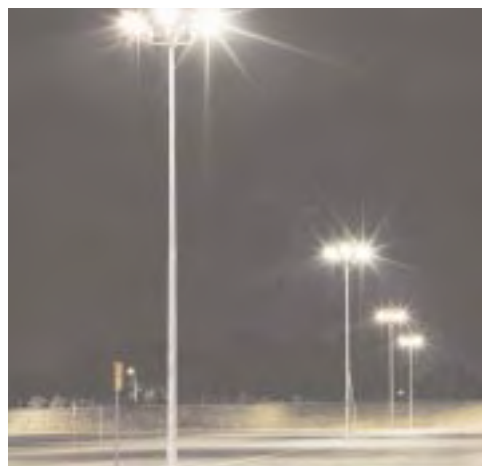




- ***Optimum visibility***
- ***Improved highway safety***
- ***Outstanding visibility in critical security applications***



Vector®

- *Meets AASHTO requirements*
- *High vertical illumination*
- *Up to 7:1 spacing ratios*
- *30% fewer fixtures required compared to Cobra-heads*
- *UL listed and CSA certified*



■ **Offset lighting improves safety** Unlike conventional “cobra-head” street lighting, the Vector lighting system poles can be located outside the AASHTO defined “Clear Zone”, eliminating the need for expensive break-away foundations and guard rails. Fewer poles with locations further from the roadway means fewer obstacles for a motorist to avoid.

■ **Improved visibility** Visibility is improved when contrast between an object and its background is increased. The unique photometric distribution produced by Vector helps increase the contrast. Direct glare from the luminaire is reduced since the unit is out of the driver’s line-of-sight.

■ **Economical** Vector lighting systems are more economical than conven-

tional lighting systems for a number of reasons: wider spacing between poles means fewer luminaires, poles, lamps and foundations are needed; pole top mounting eliminates expensive arms and reduces the pole cost; set back from the roadway eliminates the need for expensive break-away bases or guard rails; energy cost, relamping cost and maintenance cost are also reduced.

**Highway/
roadway**

Prisons

Storage areas

Power plants

Industrial

Security areas

Parking lots

Rail yards



Vector® — knuckle mount



Vector® — yoke mount

■ **Application versatility**

Due to its unique design, Vector produces great visibility to be sure intruders stay out and prisoners stay in. The vertical luminance provided by Vector is ideal for areas to be scrutinized with closed circuit TV. Industrial, storage areas and parking areas also benefit from Vector's good balance of horizontal and vertical illuminance.

■ **Easy maintenance**

The Vector luminaire is designed for quick and easy maintenance throughout the life of the lighting system. With stainless steel door latches, a plug-in starter, and a unitized electrical system, all maintenance from lamp change to ballast replacement is accomplished without any tools. This feature results in significant long-term savings.

■ **Meets AASHTO requirements**

The outstanding performance of the Vector system means the illuminance level AND the uniformity requirements as defined by AASHTO and IES can be easily met.

**Holophane
Mission Statement:**

Provide lighting products and solutions, giving our customers the greatest value through superior:

- *visibility*
- *energy efficiency*
- *reliability*
- *quality*
- *service*



HOLOPHANE

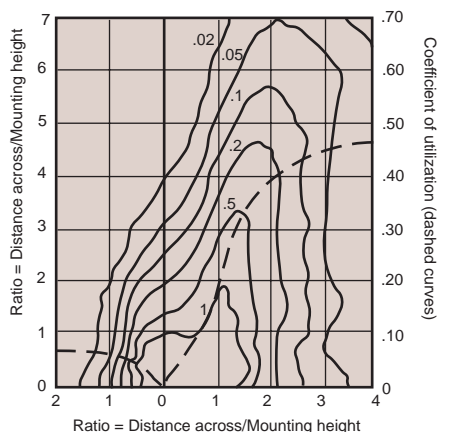
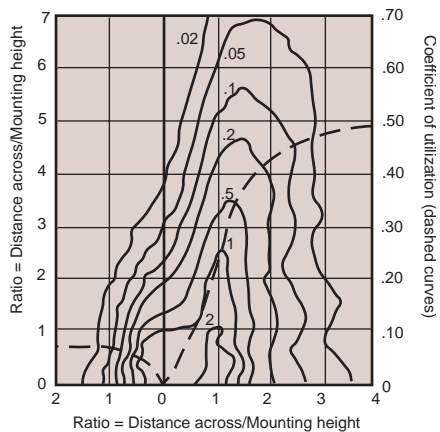
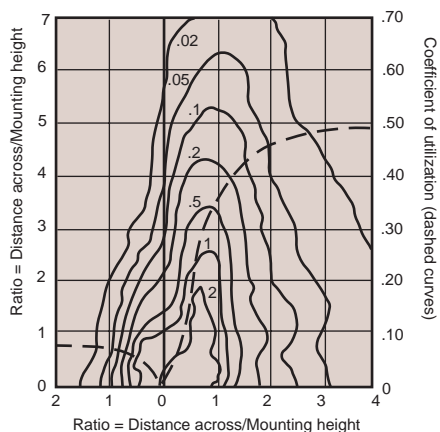
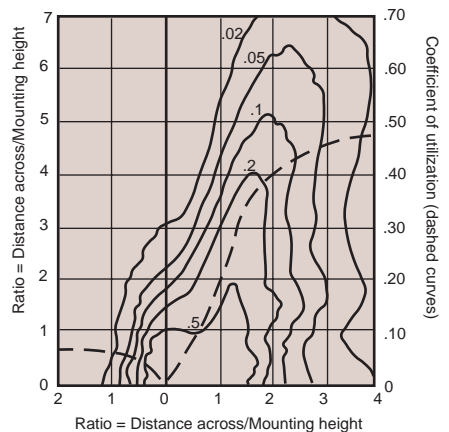
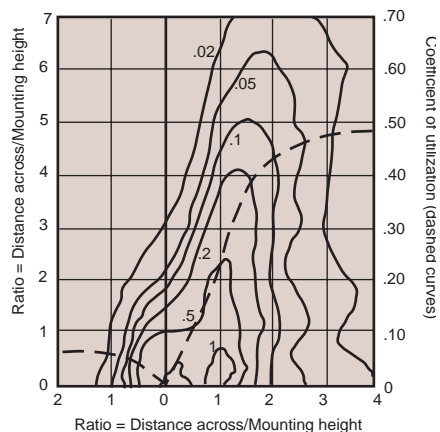
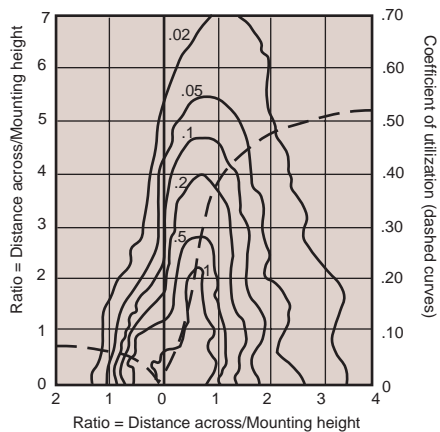
Vector[®]

The Vector luminaire is equipped with an adjustable socket in order to optimize performance for various application parameters. The **narrow**, **medium**, and **wide** distributions help the lighting designer meet the lighting criteria with the fewest number of luminaires and poles. . . increasing motorist and maintenance safety, decreasing maintenance, energy, and installation cost.

The following curves are based on a mounting height of 12.19m (40'). Contact your Holophane representative or refer to CALA for photometric tests of Vector with other lamps.

To convert isofootcandle curve values for mounting heights other than 12.19m (40') use the following multiplying factors:

Mounting height (meter/feet)	Factor
9.14m (30')	1.78
10.67m (35')	1.31
12.19m (40')	1.00
13.72m (45')	.79
15.24m (50')	.64
16.76m (55')	.53
18.29m (60')	.44



Ordering Data

Vector[®]

How to construct a catalog number for Vector Luminaire Fixture type _____

Example: HL2A — 15AHP — 27 — B — 1 — PS Fill in _____
 1 2 3 4 5 6 cat. no.: 1 2 3 4 5 6

Step	Catalog no.	Description
1. Luminaire	<input type="checkbox"/> HL2A	Vector UL listed 1572 40°C wet location CSA certified
2. Source and wattage	<input type="checkbox"/> 070HP	70W HPS
	<input type="checkbox"/> 100HP	100W HPS
	<input type="checkbox"/> 15AHP	150W, 55V HPS
	<input type="checkbox"/> 200HP	200W HPS
	<input type="checkbox"/> 250HP	250W HPS
	<input type="checkbox"/> 25RHP	250W HPS, Mag. reg. ballast
	<input type="checkbox"/> 400HP	400W HPS
	<input type="checkbox"/> 40RHP	400W HPS, Mag. reg. ballast
	<input type="checkbox"/> 175MH	175W MH and MV
	<input type="checkbox"/> 250MH	250W MH and MV
	<input type="checkbox"/> 400MH	400W MH and MV
3. Voltage	<input type="checkbox"/> 12	120 volt
	<input type="checkbox"/> 20	208 volt
	<input type="checkbox"/> 24	240 volt
	<input type="checkbox"/> 27	277 volt
	<input type="checkbox"/> 34	347 volt (Canada)
	<input type="checkbox"/> 48	480 volt
	<input type="checkbox"/> MT	Multi-tap for 120V through 277V (USA) 120, 277, 347V (Canada) (N.A. with 25RHP and 40RHP)
4. Finish	<input type="checkbox"/> B	Dark bronze
	<input type="checkbox"/> G	Grey
5. Mounting	<input type="checkbox"/> 1	Knuckle mount for 51mm (2") tenon thru 76mm (3") dia.
	<input type="checkbox"/> 5	Knuckle mount for 76mm (3") tenon thru 102mm (4") dia.
	<input type="checkbox"/> 4	Yoke mount
6. Options	<input type="checkbox"/> PS	Protected starter
	<input type="checkbox"/> R	Twist lock photocontrol receptacle

Accessories (Ships separately)

- F1 Single fuse kit
- F2 Double fuse kit
- Lamp Appropriate HID lamp supplied

How to construct a catalog number for Vector poles

Poles meeting AASHTO design specifications

Pole material and shape	Pole base type	Number of luminaires
S RT: Steel, round tapered	Anchor bolts	1, 2 for knuckle mount
A RT: Aluminum, round tapered		1Y for yoke mount

SPRT

30

J / 1

Pole finish
P-Prime painted steel
catalog no.

G-Galvanized steel
L-Satin aluminum

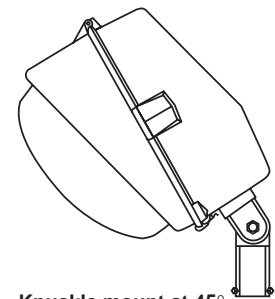
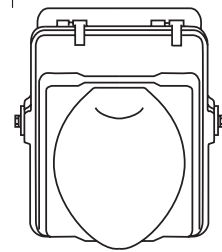
Pole height ft.
Aluminum: 6.10m (20'), 7.62m (25'), 9.14m (30'),

10.67m (35'), 11.89m (39') From above
Steel: 6.10m (20'), 7.62m (25'), 9.14m (30'), 10.67m (35'),
11.89m (39'), 13.72m (45') 15.24m (50')

Optional Mounting Brackets: See Mounting Accessories Brochure #HL-954

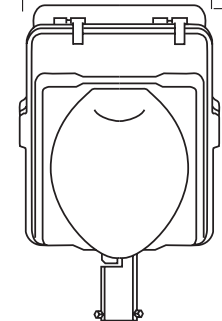
Order number: _____ **Job name:** _____

432mm (17")

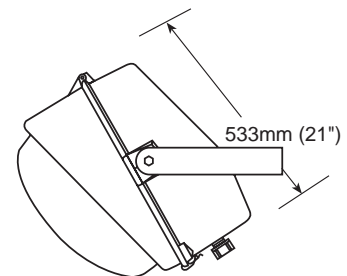


Knuckle mount at 45°

432mm (17")



533mm (21")



Yoke mount at 45°

Weight: 20.87 kg (46 lbs)
28.5 kg (63 lbs)
EPA: 0.21m² (2.3 sq. ft.)