

# EWM Cobra Head Street Light Series

Replaces HID 50W to 400W



## Feature

- High lumen efficiency: >130 lumens/watt
- Optimum heat dissipation design
- Lamp body made of aluminum alloy with minimum 2 mil powder coat, rust free.
- Compliance with UL1598; DLC; IDA; TM21; 3G vibration rating(ANSI C136); Salt Fog (ASTM B117); FCC B15; IP65; IEC-EN62471; CE-IEC60598; RoHs
- Instant-on light
- Applications: Roadway, parking lots, walkways and general area spaces.

## Ordering information

Family	Size	Watts	Driver	Lens	Beam	CRI	Color	Conn.	Sort #
CH	1M	20 = 20W	MIN Multi-volt, internal, non-dim	CC Clear COB	T1 Type I	70	27 2700K	H0 Horizontal Mount H3 Horizontal Mount, Photocell	183
		30 = 30W			T2 Type II		30 3000K		
		40 = 40W			T3 Type III		40 4000K		
		50 = 50W			T5 Type V		50 5000K		
		60 = 60W							
		80 = 80W							
	2M	10 = 100W							
	3M	12 = 120W							
		15 = 150W							

Example: CH-1M-30-MIN-CCT5-730-H3-183

# SPECIFICATIONS

WATTAGE	20	30	40	50	60	80	100	120	150
LUMENS	2600	3900	5200	6500	7800	10400	13000	15600	19500
OPERATING CURRENT (Amp)	<.28	<.38	<.6	<.7	<.8	<1.1	<1.4	<1.6	<1.9
LUMENS PER WATT	130								
BEAM ANGLE	Type I / Type II / Type III / Type V								
COLOR TEMPERATURES	2700K/3000K/4000K/5000K								
INPUT VOLTAGE	100-277V								
HERTZ	50/60Hz								
CRI	>70								
LED L70 LIFETIME	100,000 hrs/50,000hrs for driver								
MOUNTING OPTIONS	Horizontal Mount								
CONTROL OPTIONS	Photocell								
CERTIFICATIONS	cULus,								
WARRANTY	5 years Driver, 10yrs Housing and LED								

## Photometric

### Luminous Intensity Distribution Plots

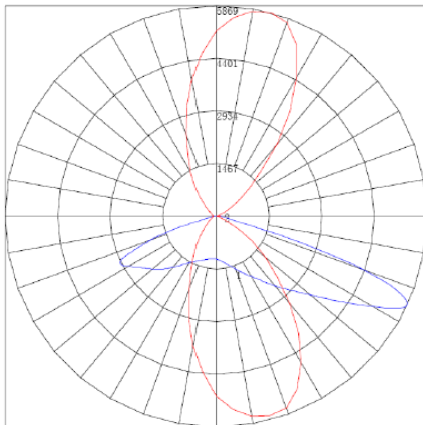


Chart 3: Maximum Plane and Cone Plots of Candela

Maximum Candela = 5868.56 Located At Horizontal Angle = 75, Vertical Angle = 65  
 # 1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

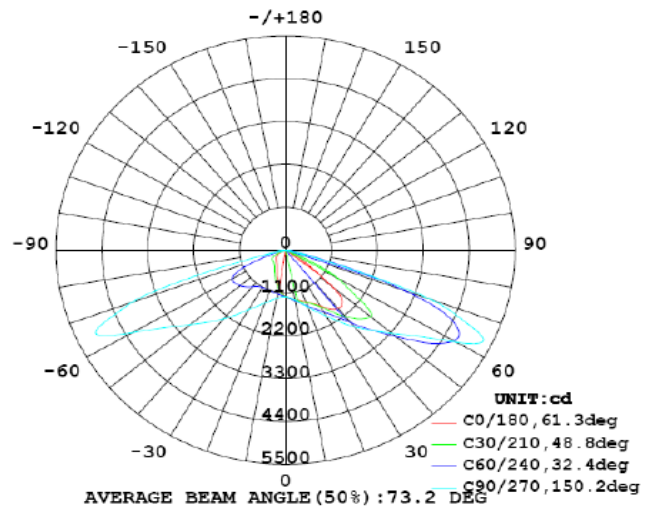


Chart 4: Polar Candela Distribution

Product enhancements may result in specification changes without notice. Contact us for the latest information

EWM International, LLC | 2501 SE Columbia Way Ste 220 | Vancouver, WA 98661 | 888-234-0181 | Contact Us at: sales@everywattmatters.com

# Operating Cost Comparison

## 50W HID

58W (incl. ballast)  
24,000 hrs

## EWM 20W

20W  
>50,000 hrs

## Comparison

66% reduction  
2X longer life- less maintenance!

## 70W HID

81W (incl. ballast)  
24,000 hrs

## EWM 30W

30W  
>50,000 hrs

## Comparison

63% reduction  
2X longer life- less maintenance!

## 100W HID

115W (incl. ballast)  
24,000 hrs

## EWM 40W

40W  
>50,000 hrs

## Comparison

64% reduction  
2X longer life- less maintenance!

## 150W HID

172W (incl. ballast)  
24,000 hrs

## EWM 50W

50W  
>50,000 hrs

## Comparison

71% reduction  
2X longer life- less maintenance!

## 175W HID

201W (incl. ballast)  
24,000 hrs

## EWM 60W

60W  
>50,000 hrs

## Comparison

70% reduction  
2X longer life- less maintenance!

## 250W HID

287W (incl. ballast)  
24,000 hrs

## EWM 80W

80W  
>50,000 hrs

## Comparison

72% reduction  
2X longer life- less maintenance!

## 320W HID

368W (incl. ballast)  
24,000 hrs

## EWM 100W

100W  
>50,000 hrs

## Comparison

73% reduction  
2X longer life- less maintenance!

## 400W HID

455W (incl. ballast)  
24,000 hrs

## EWM 120W

120W  
>50,000 hrs

## Comparison

74% reduction  
2X longer life- less maintenance!

## 400W HID

455W (incl. ballast)  
24,000 hrs

## EWM 150W

150W  
>50,000 hrs

## Comparison

67% reduction  
2X longer life- less maintenance!