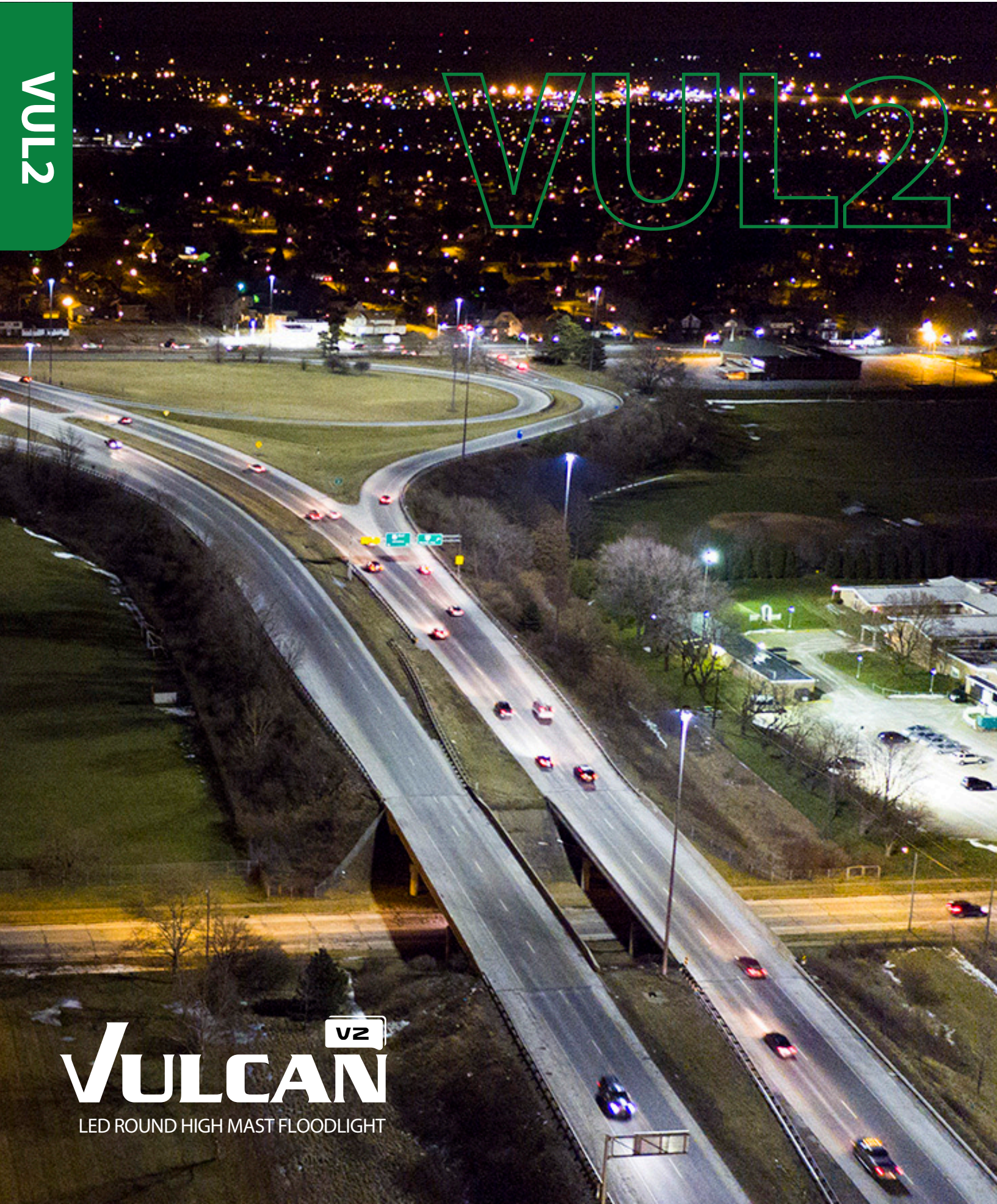


VUL2

VUL2


LED ROUND HIGH MAST FLOODLIGHT



VUL2

VUL2



VULCAN V2

LED ROUND HIGH MAST FLOODLIGHT



DESCRIPTION

LED High Mast Floodlight / 120-277Vac(347-480Vac Optional) / 2700K-4000K / IP65/Multiple Optics Available



CONSTRUCTION

- High-powered, corrosion resistant, die-cast aluminum housing for durability and consistency.
- Easy Installation and maintenance. Trunnion mount comes standard.
- 1000 hours/2000 hours/3000 hours salt-spray testing for special project requirements.
- Integrated and remote driver box available.
- HSS optional, order separately.
- Custom finish available, extra cost and lead time may apply.

LED

- Seoul Chip
- CRI>70, UV-resistant, polycarbonate lens
- Color temperatures: 2700K / 3000K / 3500K / 4000K / 5000K

OPTICS

- 4 optical distributions: Type II, Type III, Type IV, Type V

ELECTRICAL

- 120-277Vac (UNV) or 347-480Vac (HV)
- 0-10V dimming
- Power Factor > 0.9, THD <15%
- 10KV & 20KV surge protection optional

KEY APPLICATIONS

- Large Area High Mast / Roadway High Mast / Shipyard High Mast / Container Yard High Mast / Hangar Lighting / Aviation Ramps and Aprons / Prison Large Areas / Military Bases / Industrial Facilities

OPERATION TEMPERATURE

- -40°C(-104°F) ~ 45°C(113°F)

CONTROL

- Support Art-Net, DMX RDM and DALI protocols.

WARRANTY

- IL70 Lifetime >100,000 hrs
- 10 year limited warranty for main components (24/7 operating at 25°C).

LISTINGS

- UL
- UL 1598 for WET location
- DesignLights Consortium (Pending)
- IP65 Rated
- IK 10 Rated
- 3G Vibration Rated

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PRODUCT SPECIFICATIONS

Model Number	Module	Input Voltage	CCT	Nominal Wattage(W)	Efficacy (LM/W)	Lumens (LM)	BUG	EPA
VUL2-20-40	2 pcs	120-277Vac 277-480Vac	4000K	200	145	29,000	B4-U0-G3	1.49 ft ²
VUL2-20-50			5000K	200	147	29,400		
VUL2-30-40			4000K	300	145	43,500	B4-U0-G3	
VUL2-30-50			5000K	300	147	44,100		
VUL2-45-40	3 pcs	120-277Vac 277-480Vac	4000K	450	145	65,250	B5-U0-G5	1.49 ft ²
VUL2-45-50			5000K	450	147	66,150		
VUL2-50-40			4000K	500	145	72,500	B5-U0-G5	
VUL2-50-50			5000K	500	147	73,500		
VUL2-60-40	4 pcs	120-277Vac 277-480Vac	4000K	600	145	87,000	B5-U0-G5	1.49 ft ²
VUL2-60-50			5000K	600	147	88,200		
VUL2-75-40			4000K	750	145	108,750	B5-U0-G5	
VUL2-75-50			5000K	750	147	110,250		

LUMEN MAINTENANCE

Model#	Ambient Test Temp	Reported Hrs	0 Hrs	25,000 Hrs	50,000 Hrs	100,000 Hrs	TM-21-11 194,000	Calculated L70 Hrs
VUL2 750W	25°C/77°F	54,000	1	0.9564	0.9132	0.8325	0.6995	194,000

ELECTRICAL DATA

Model Number	Input Operating Amps				
	120V	240V	277V	347V	480V
VUL2-20-XX	1.69	0.85	0.73	0.59	0.42
VUL2-30-XX	2.52	1.26	1.10	0.87	0.63
VUL2-45-XX	3.76	1.88	1.63	1.30	0.94
VUL2-50-XX	4.36	2.18	1.89	1.51	1.09
VUL2-60-XX	5.04	2.52	2.17	1.74	1.26
VUL2-75-XX	6.40	3.20	2.77	2.21	1.60

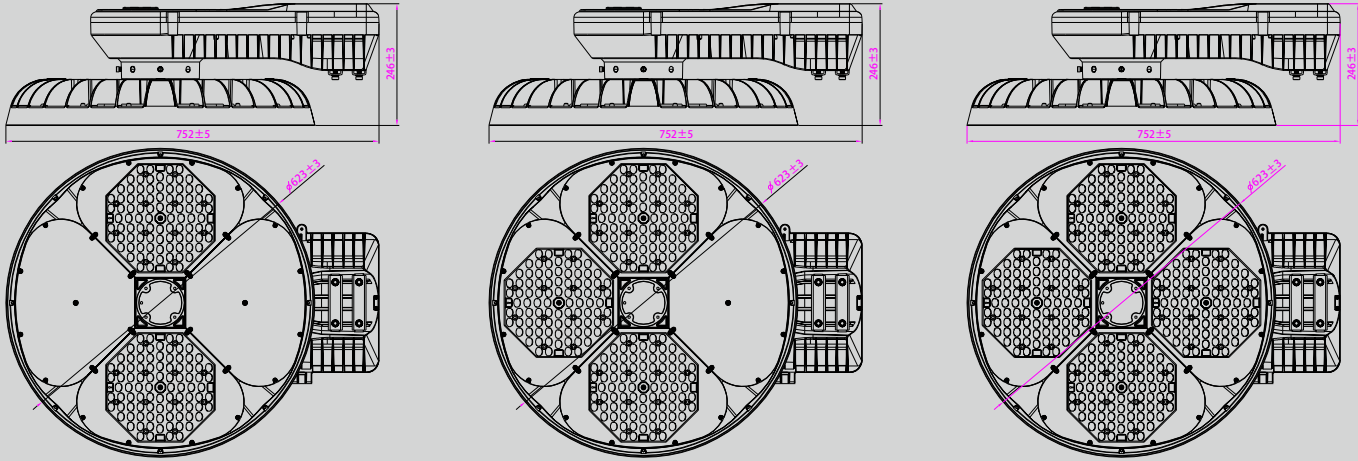
LUMEN OUTPUT SCALING

CCT	Multiplier
4000K	1.00
5000K	1.02
CRI	Multiplier
80	0.97
90	0.93

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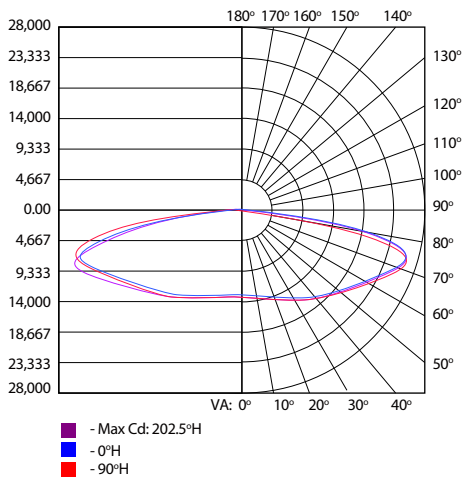
DIMENSIONS



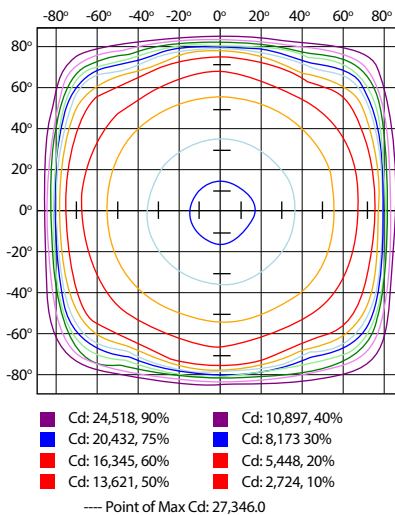
Model Number	Modules	Diameter	Length	Height	Weight
VUL2-20-XX	2	623mm(24.5")	752mm(29.6")	246mm(9.7")	25.3KG(55.8LBS)
VUL2-30-XX	2	623mm(24.5")	752mm(29.6")	246mm(9.7")	25.3KG(55.8LBS)
VUL2-45-XX	3	623mm(24.5")	752mm(29.6")	246mm(9.7")	27.4KG(60.4LBS)
VUL2-50-XX	3	623mm(24.5")	752mm(29.6")	246mm(9.7")	27.4KG(60.4LBS)
VUL2-60-XX	4	623mm(24.5")	752mm(29.6")	246mm(9.7")	29KG(63.9LBS)
VUL2-75-XX	4	623mm(24.5")	752mm(29.6")	246mm(9.7")	29KG(63.9LBS)

PHOTOMETRIC SPECIFICATIONS

POLAR CANDELA



ISOCANDELA

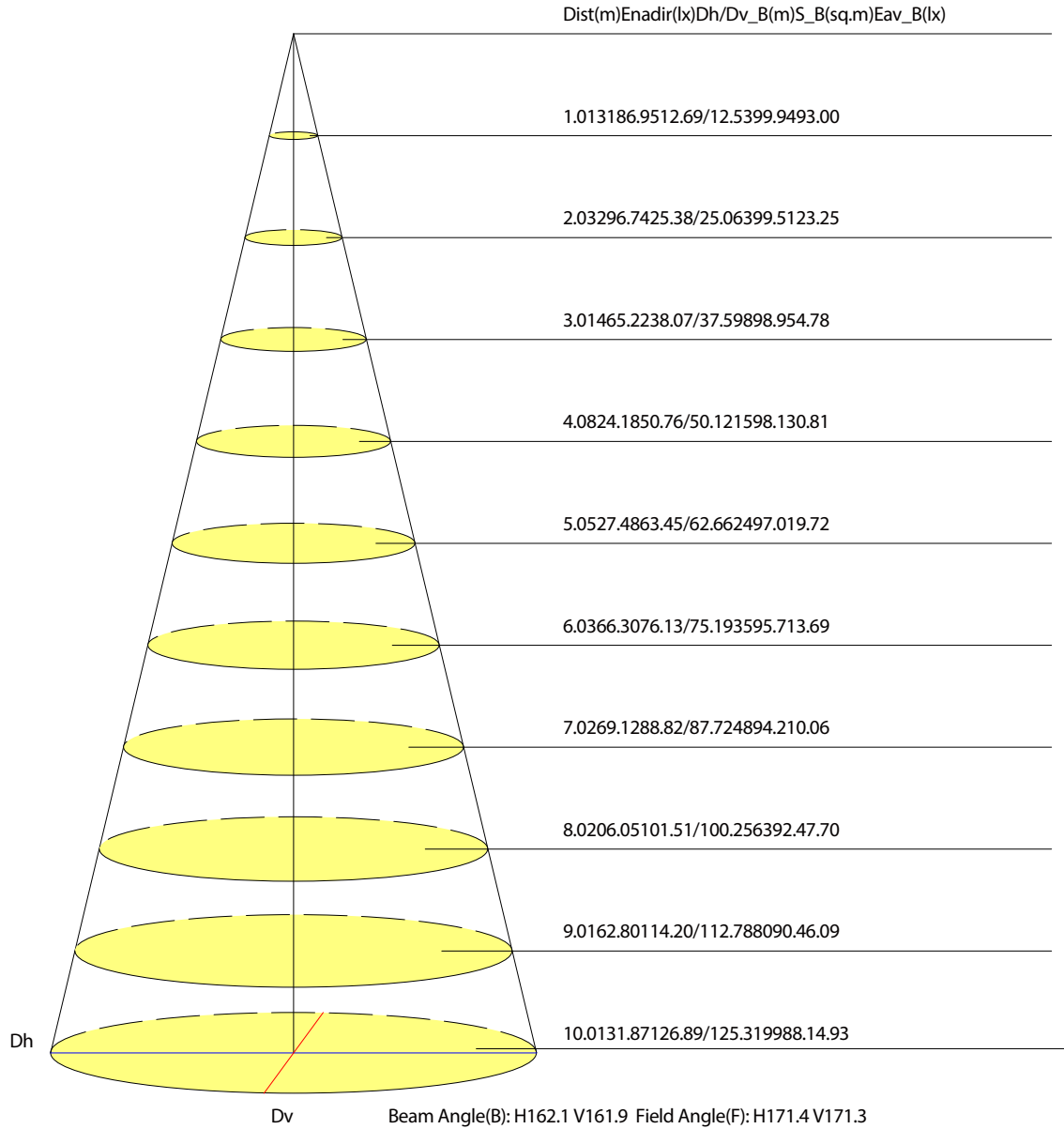


Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	11,978.6	11.3%	11.3%
0-40	22,214.2	20.9%	20.9%
0-60	54,786.8	51.5%	51.5%
60-90	51,585.2	48.5%	48.5%
70-100	27,360.2	25.7%	25.7%
90-120	0.000	0%	0%
0-90	106,372.0	100%	100%
90-180	0.000	0%	0%
0-180	106,372.0	100%	100%

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ILLUMINANCE AT A DISTANCE



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LED ROUND HIGH MAST FLOODLIGHT

ORDER FORMAT

Series	Wattage	CCT	Input Voltage	Beam
VUL2				
	20= 200W	27= 2700K	blank= 120-277Vac	T2= Type II
	30= 300W	30= 3000K	V= 277-480Vac	T3= Type III
	45= 450W	35= 3500K		T4= Type IV
	50= 500W	40= 4000K		T5= Type V
	60= 600W	45= 4500K		
	75= 750W	50= 5000K		