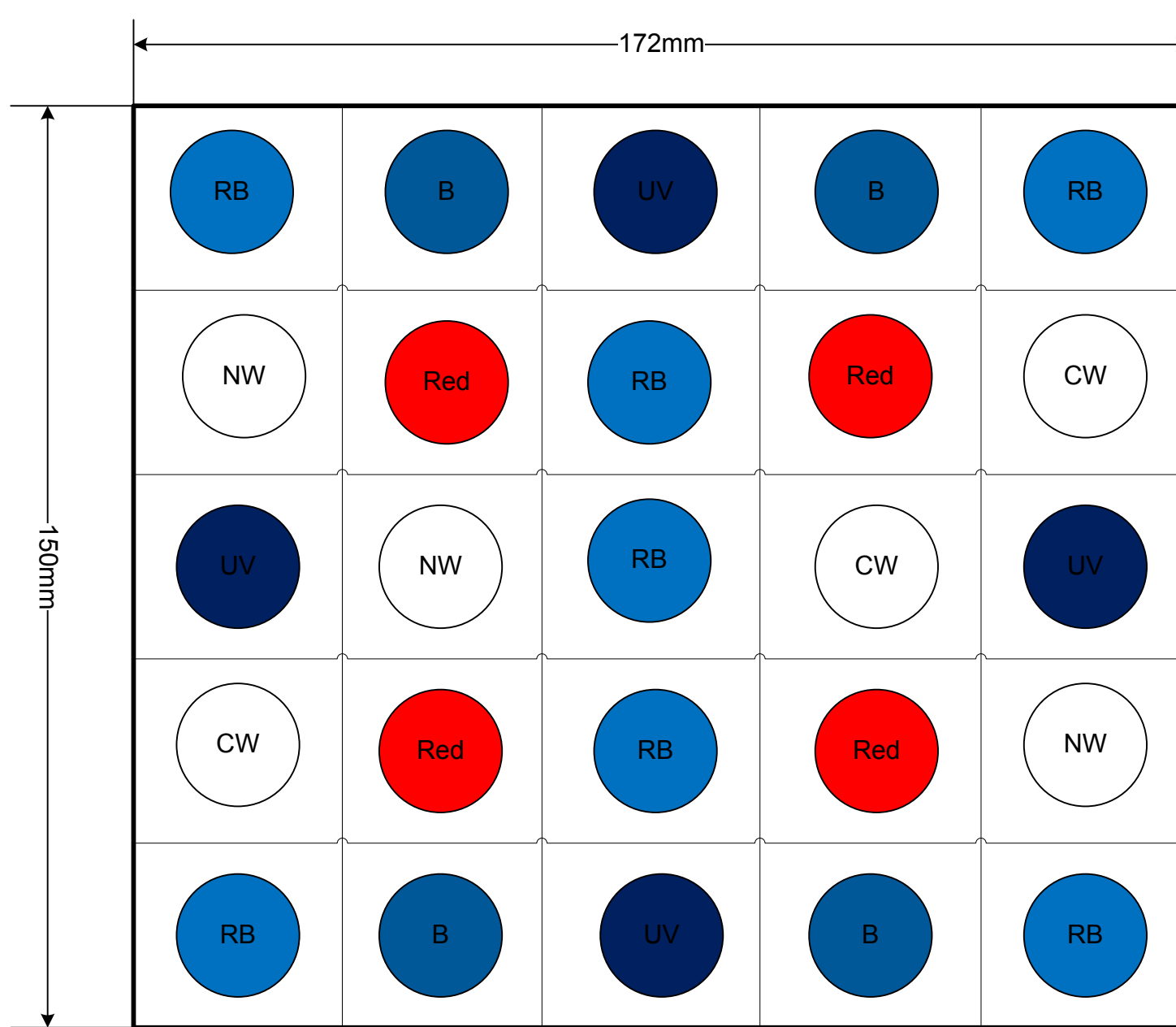
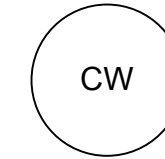
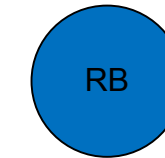


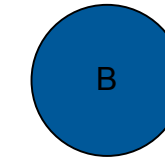
CREE XM-L NW
Cutter-XML20STE3-T6
XMLAWT-0-3C0-T60-0L-0001



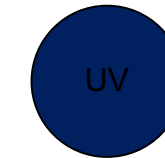
CREE XM-L CW
Cutter-XML20STR-U2
XMLAWT-0-2S0-U20-00-0001



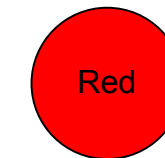
CREE XP-E RB
Cutter-XPE20STRROY-5
XPEROY-L1-D50-16-0-01
Min Flux of 500mw



CREE XP-E B
Cutter-XPE20STRBLU
XPEBLU-L1-0000-00201

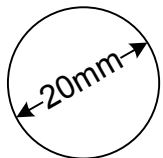


Prolight 3W UV LED Star
<http://www.led-bulbs.com/>



Osram-660nm-3W-Red

Deep-Red 1-Up EndorStar



Профиль АВ0093 150x172x38мм

<http://www.chipdip.ru/product/ab0093-150x172x38mm.aspx>



XLamp XP-E LED Standard Order Codes - Royal Blue							
Color	Min. Radiant Flux (mW) @ 350 mA*		Dominant Wavelength (nm)				Order Code
			Min.		Max.		
	Group	Flux (mW)	Group	DWL (nm)	Group	DWL (nm)	
Royal Blue	14	350	D3	450	D5	465	XPEROY-L1-0000-00901
			D3	450	D4	460	XPEROY-L1-0000-00902
			D4	455	D5	465	XPEROY-L1-0000-00903
	15	425	D3	450	D5	465	XPEROY-L1-0000-00A01
			D3	450	D4	460	XPEROY-L1-0000-00A02
			D4	455	D5	465	XPEROY-L1-0000-00A03
	16	500	D3	450	D5	465	XPEROY-L1-0000-00B01
			D3	450	D4	460	XPEROY-L1-0000-00B02

XLamp XP-E LED Standard Order Codes - Color							
Color	Min. Luminous Flux (lm) @ 350 mA*		Dominant Wavelength (nm)				Order Code
			Min.		Max.		
	Group	Flux (lm)	Group	DWL (nm)	Group	DWL (nm)	
Blue	K2	30.6	B3	465	B6	485	XPEBLU-L1-0000-00Y01
			B3	465	B5	480	XPEBLU-L1-0000-00Y02
			B4	470	B5	480	XPEBLU-L1-0000-00Y05
	K3	35.2	B3	465	B6	485	XPEBLU-L1-0000-00Z01
			B3	465	B5	480	XPEBLU-L1-0000-00Z02
			B4	470	B5	480	XPEBLU-L1-0000-00Z05
	M2	39.8	B3	465	B6	485	XPEBLU-L1-0000-00201
			B3	465	B5	480	XPEBLU-L1-0000-00202
			B4	470	B5	480	XPEBLU-L1-0000-00205

Flux Characteristics at 700mA, $T_J = 25^\circ\text{C}$

Radiation Pattern	Color	Part Number		Radiometric Power (mW)	
		Emitter	Star	Minimum	Typical
Lambertian	UV	PG1C-3LLE	PG1C-3LLS	515	540

- ProLight maintains a tolerance of $\pm 10\%$ on flux and power measurements.
- Please do not drive at rated current more than 1 second without proper heat sink.

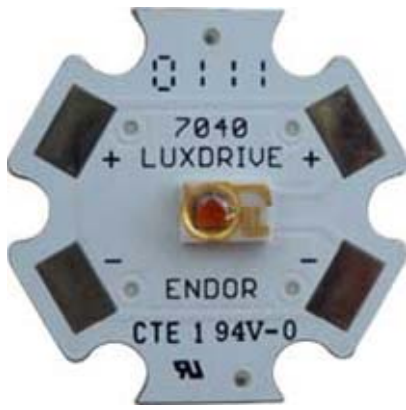
Electrical Characteristics at 700mA, $T_J = 25^\circ\text{C}$

Color	Forward Voltage V_F (V)			Thermal Resistance Junction to Slug ($^\circ\text{C}/\text{W}$)	Thermal Resistance Junction to Board ($^\circ\text{C}/\text{W}$)
	Min.	Typ.	Max.		
UV	2.85	3.5	4.1	8	13

Optical Characteristics at 700mA, $T_J = 25^\circ\text{C}$

Color	Peak Wavelength λ_P			Total included Angle (degrees) $\theta_{0.90V}$	Viewing Angle (degrees) $2\theta_{1/2}$
	Min.	Typ.	Max.		
UV	390 nm	400 nm	410 nm	160	140

- ProLight maintains a tolerance of $\pm 1\text{nm}$ for dominant wavelength measurements.



Deep-Red 1-Up EndorStar Features:

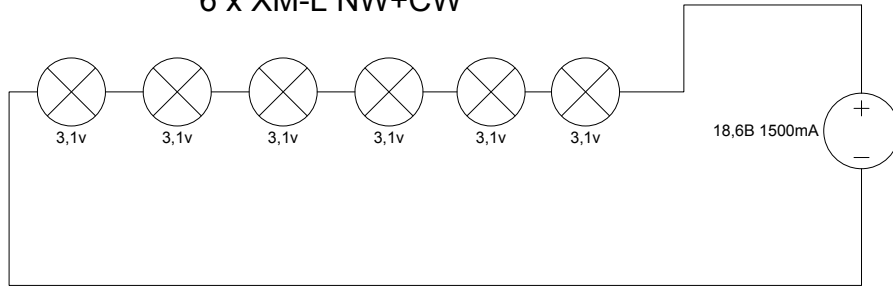
- 290mW @ 350mA
- 580mW @ 700mA
- 700mA - Max Drive Current
- 2.20Vf - Typ. Forward Voltage 350mA
- 2.40Vf - Forward Voltage 700mA
- 660nm - Typ. Wavelength
- 120° - Viewing Angle
- 135° C - Max Junction Temperature
- LXM3-PD01-0260 - Rebel Part#



660nm wavelength
1000mA max
2.15V @400mA

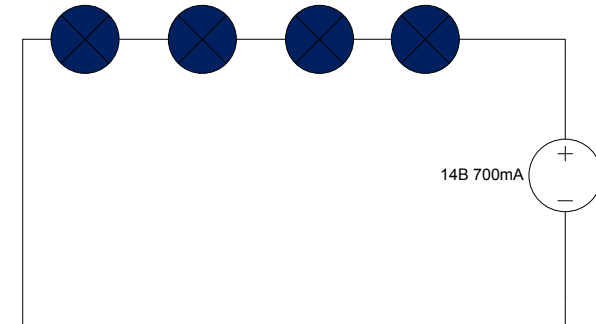
No secondary lenses are available for this product (yet)

6 x XM-L NW+CW

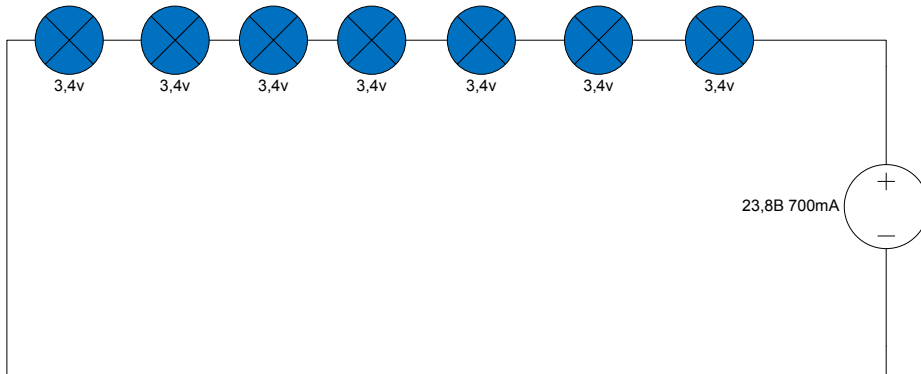


Driver
1.

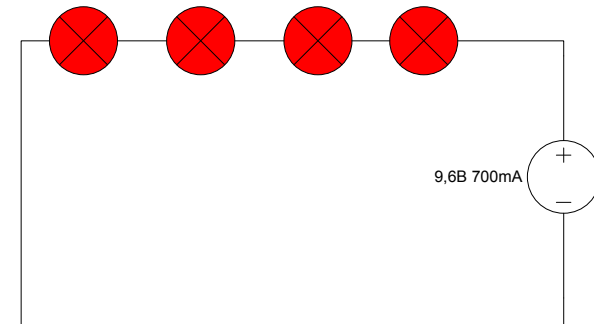
4 x ProLight UV



7 x XP-E RB



4 x EndoStart Deep Red



4 x XP-E B

