

# Bridgelux – ERP Cross Reference

## General Overview



		Current (mA)						
		350	500	700	1050	1400	2100	2500
VERO 10	27E1000-B-02	[Hatched Area]						
	27G1000-B-02							
	30E1000-B-02							
	30G1000-B-02							
	35G1000-B-02				✓			
	40E1000-B-02							
	40E1000-B-03							
	50C1000-B-04							
	50E1000-B-04							
	50G1000-B-04							
VERO 13	27E2000-C-02	[Hatched Area]						
	27G2000-C-02							
	30E2000-C-02							
	30G2000-C-02							
	35E2000-C-02					✓		
	40E2000-C-02							
	40G2000-C-03							
	50C2000-C-04							
	50E2000-C-04							
	50G2000-C-04							
VERO 18	27E4000-F-02		[Hatched Area]					
	27G4000-F-02							
	30E4000-F-02							
	30G4000-F-02							
	35E4000-F-02							
	40E4000-F-02							
	50C4000-F-02							
	50E4000-F-04							
	50G4000-F-04							
	VERO 29	27E10K-L-002						
27G10K0-L-02								
30E10K0-L-02								
30G10K0-L-02								
35E10K0-L-02								
40E10K0-L-02								
40G10K0-L-02								
50C10K0-L-04								
50E10K0-L-04								
50G10K0-L-04								

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## Vero Series 1/2



Vero 10



Vero 13

BRIDGELUX COBs						ERP LED Drivers								
Bridgelux Product Name	Forward Current (mA)	Pout (W)	Min Vf (Vdc)	Typ Vf (Vdc)	Max Vf (Vdc)	ERP LED Driver Part Numbers	Dimming Type	Dimming Range	Iout (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)	
<b>Vero 10 BXRC-xxx1000-B-03: 350mA (nominal current), 700mA (max current)</b>														
Vero10@350mA	350	10	21.8	26.7	30.6	EBR015U-0350-32	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	11.2	21	28.8	32
						ESS015W-0350-32	120 to 277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	350	11.2	21	28.8	32
Vero10@500mA	500	14	22.6	27.7	31.5	EBR020U-0500-32	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	16	21	28.8	32
						ESS020W-0500-32	120 to 277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	500	16	21	28.8	32
Vero10@700mA	700	21	23.1	28.6	32.2	ERP030W-0700-32	120 to 277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	700	22.4	22.5	29	32
						ESM030W-0700-32	120 to 277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	700	22.4	21	28.8	32
						ESS030W-0700-32	120 to 277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	700	22.4	21	28.8	32
<b>Vero 13 BXRC-xxx2000-C-03: 500mA (nominal current), 1050mA (max current)</b>														
Vero13@350mA	350	12	26.2	31.4	35.9	ESS015W-0350-42	120 to 277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
						ESM020W-0350-42	120 to 277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
Vero13@500mA	500	17	27	32.5	37	EBR020U-0500-37	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	18.5	25	33.3	37
						EBR020E-0500-37	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	18.5	25	33.3	37
						ESM030W-0500-42	120 to 277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	500	21	24	37.8	42
						ESS030W-0500-42	120 to 277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	500	21	24	37.8	42
Vero13@700mA	700	24	27.9	33.7	38.1	ESM030W-0700-42	120 to 277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	700	29.4	24	37.8	42
						ESS030W-0700-39	120 to 277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	700	27.3	27	35.1	39
Vero13@1050mA	1050	38	28.8	35	39.2	ESS030W-0700-42	120 to 277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	700	29.4	24	37.8	42
						ESM050W-1050-42	120 to 277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
						ESP050W-1050-42	120 to 277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42

# Bridgelux – ERP Cross Reference

## Vero Series 2/2



Vero 18



Vero 29

BRIDGELUX COBs						ERP LED Drivers								
Bridgelux Product Name	Forward Current (mA)	Pout (W)	Min Vf (Vdc)	Typ Vf (Vdc)	Max Vf (Vdc)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)
<b>Vero 18 BXRC-xxx4000-F-03: 1050mA (nominal current), 2100mA (max current)</b>														
Vero18@700mA	700	21	23.7		32.4	ESM030W-0700-32	120 to 277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	700	22.4	21	28.8	32
Vero18@1050mA	1050	32	24.5		33.5	ESM050W-1050-42	120 to 277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
						ESP050W-1050-42	120 to 277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
Vero18@1400mA	1400	44	25.2		34.3	ESM050W-1400-34	120 to 277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1400	47.6	23	30.6	34
						ESP050W-1400-34	120 to 277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1400	47.6	23	30.6	34
<b>Vero 29 BXRC-xxx10K0-L-03: 2100mA (nominal current), 4200mA (max current)</b>														
Vero29@2100mA	2100	84	32.4		43.5	EVM100W-2100-45	120 to 277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	2100	94.5	32	40.5	45
Vero29@2500mA	2500					EVM120W-2500-45	120 to 277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	2500	112.5	32	40.5	45