Seoul – ERP Cross Reference

	Current (mA)																		
	200	250	280	285	300	350	400	450	460	500	550	620	700	800	850	900	1000	1050	1200
ZC6	✓	✓	✓	✓	✓														
ZC12						✓	✓	✓	✓										
ZC18										✓	✓	✓							
ZC25													✓	✓	✓	✓			
ZC40																	✓	✓	✓

Seoul – ERP Cross Reference

SEOUL COB LED SPECIFICATION					ERP LED DRIVER SPECIFICATION								
Seoul COB Product Name	Driver Output Current (mA)	Min Forward Voltage (VDC)	Typical Forward Voltage (VDC)	Max Forward Voltage (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout Set Point +/-5% (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)
ZC6: 180mA (typical current), 320mA (max current)													
ZC6@200mA	200	32	37	40	EBR010U-0200-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	200	8.4	30	37.8	42
					EBR010E-0200-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	200	8.4	30	37.8	42
ZC6@250mA	250	32	37	40	EBR010U-0250-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	250	10.5	30	37.8	42
					EBR010E-0250-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	250	10.5	30	37.8	42
					ESS010W-0250-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	250	10.5	24	37.8	42
ZC6@280mA	280	32	37	40	ESM020W-0280-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	280	11.8	24	37.8	42
ZC6@285mA	285	32	37	40	EBR015U-0285-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	285	12.0	30	37.8	42
ZC6@300mA	300	32	37	40	EBR015U-0300-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
					EBR015E-0300-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	300	12.6	30	37.8	42
					ESS015W-0300-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	300	12.6	24	37.8	42
ZC12: 350mA (typical current), 480mA (max current)													
ZC12@350mA	350	32	37	40	EBR015U-0350-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
					EBR015E-0350-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	350	14.7	30	37.8	42
					ERP020W-0350-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	350	14.7	31.5	39	42
					ESM020W-0350-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
					ESS015W-0350-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	350	14.7	24	37.8	42
ZC12@400mA	400	32	37	40	EBR020U-0400-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42
					EBR020E-0400-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	400	16.8	30	37.8	42
					ESS020W-0400-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	400	16.8	24	37.8	42
ZC12@450mA	450	32	37	40	ERP020W-0450-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	450	18.9	31.5	39	42
					ESS020W-0450-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	450	18.9	24	37.8	42
ZC12@460mA	460	32	37	40	EBR020U-0460-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	460	19.3	30	37.8	42

ZC6

ZC12

Seoul – ERP Cross Reference

SEOUL COB LED SPECIFICATION					ERP LED DRIVER SPECIFICATION								
Seoul COB Product Name	Driver Output Current (mA)	Min Forward Voltage (VDC)	Typical Forward Voltage (VDC)	Max Forward Voltage (VDC)	ERP LED Driver Part Numbers		Dimming Type	Dimming Range	Iout Set Point +/-5% (mA)	Pout max (W)	Vout Min (Vdc)	Vout Nom (Vdc)	Vout Max (Vdc)
ZC18: 500mA (typical current), 640mA (max current)													
ZC18@500mA	500	32	37	40	EBR020U-0500-42	120 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42
					EBR020E-0500-42	220/230/240 Vac, 87% eff., Round Plastic Case	Forward/Reverse Phase	1-100%	500	21.0	30	37.8	42
					ESM030W-0500-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42
					ESS030W-0500-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	500	21.0	24	37.8	42
ZC18@550mA	550	32	37	40	ERP030W-0550-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	550	23.1	31.5	39	42
					ESM030W-0550-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42
					ESS030W-0550-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	550	23.1	24	37.8	42
ZC18@620mA	620	32	37	40	ESS030W-0620-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	620	26.0	24	37.8	42
ZC25: 700mA (typical current), 960mA (max current)													
ZC25@700mA	700	32	37	40	ERP030W-0700-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	700	29.4	31.5	39	42
					ESM030W-0700-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	700	29.4	24	37.8	42
					ESS030W-0700-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	700	29.4	24	37.8	42
ZC25@800mA	800	32	37	40	ERP040W-0800-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	800	33.6	31.5	39	42
					ESM040W-0800-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42
					ESP040W-0800-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	800	33.6	24	37.8	42
ZC25@850mA	850	32	37	40	ERP040W-0850-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	850	35.7	31.5	39	42
					ESM040W-0850-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42
					ESP040W-0850-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	850	35.7	24	37.8	42
ZC25@900mA	900	32	37	40	ERP040W-0900-42	120-277 Vac, 90% eff., Rectangular Plastic Case	0-10V	10-100%	900	37.8	31.5	39	42
					ESM040W-0900-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
					ESP040W-0900-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	900	37.8	24	37.8	42
ZC40: 1000mA (typical current), 1280mA (max current)													
ZC40@1000mA	1000	32	37	40	ELM050W-1000-48	120 & 277 Vac, 84% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	10-100%	1000	48.0	24	43.2	48
ZC40@1050mA	1050	32	37	40	ERM050W-1050-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1050	44.1	32	37.8	42
					ESM050W-1050-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
					ESP050W-1050-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1050	44.1	24	37.8	42
ZC40@1200mA	1200	32	37	40	ERM050W-1200-42	120 & 277 Vac, 90% eff., Rectangular Metal Case	0-10V	10-100%	1200	50.4	32	37.8	42
					ESM050W-1200-42	120-277 Vac, 87% eff., Rectangular Metal Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42
					ESP050W-1200-42	120-277 Vac, 87% eff., Rectangular Plastic Case	Forward/Reverse Phase & 0-10V	1-100%	1200	50.4	24	37.8	42

ZC18

ZC25

ZC40