

Cree LMH2 Modules - ERP Cross Reference

General Overview



| | 440 mA | 900 mA | 940 mA | 1700 mA | 2000 mA |
|------------------------|--------|--------|--------|---------|---------|
| LMH020 850 True White | ✓ | | | | |
| LMH020 850 Sunset | ✓ | | | | |
| LMH020 1250 True White | ✓ | | | | |
| LMH020 1250 Sunset | ✓ | | | | |
| LMH020 2000 True White | | ✓ | | | |
| LMH020 2000 Sunset | | | ✓ | | |
| LMH020 3000 True White | | ✓ | | | |
| LMH020 3000 Sunset | | | ✓ | | |
| LMH020 4000 True White | | | ✓ | | |
| LMH020 6000 True White | | | | ✓ | |
| LMH020 8000 True White | | | | | ✓ |

Cree LMH2 Modules - ERP Cross Reference



| CREE LMH2 MODULE SPECIFICATION | | | | | | | | | | ERP LED DRIVER SPECIFICATION | | | | | | | |
|--------------------------------|------------|------------------------|-----------------------------|--------------------|-------------------|--------------|--------------|----------------------|--------------------|------------------------------|--|-------------------------------|---------------|-----------|--------------|----------------|----------------|
| Cree LMH2 module | Lumen (lm) | Color Temperature (K) | Nominal Output Current (mA) | Ripple Current (%) | Peak Current (mA) | Min Vf (Vdc) | Max Vf (Vdc) | Open Circuit Voltage | Required Power (W) | ERP LED Driver Part Number | Description | Dimming Type | Dimming Range | Iout (mA) | Pout max (W) | Vout Min (Vdc) | Vout Max (Vdc) |
| LMH2 850 TW | 850 | 2700, 3000, 3500, 4000 | 440 +/- 10% | ≤40% | ≤1000 | ≤19 | ≥23 | ≤60 | 10.1 | ESS015W-0440-25 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 440 | 11.0 | 19 | 25 |
| | | | | | | | | | | ESM020W-0440-25 | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 440 | 11.0 | 19 | 25 |
| | | | | | | | | | | EBR010U-0440-24 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 440 | 10.6 | 16 | 24 |
| | | | | | | | | | | EBR010E-0440-24 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 440 | 10.6 | 16 | 24 |
| LMH2 850 Sunset | 850 | 2700 to 1800 | 440 +/- 10% | ≤40% | ≤1000 | ≤20 | ≥25 | ≤60 | 10.1 | ESM020W-0440-25-SS-F1B | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 440 | 11.0 | 19 | 25 |
| LMH2 1250 TW | 1250 | 2700, 3000, 3500, 4000 | 440 +/- 10% | ≤40% | ≤1000 | ≤29 | ≥34 | ≤60 | 15.0 | ESM020W-0440-34 | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 440 | 15.0 | 19 | 34 |
| | | | | | | | | | | ESS015W-0440-34 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 440 | 15.0 | 24 | 34 |
| | | | | | | | | | | EBR015U-0440-36 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 440 | 15.8 | 24 | 36 |
| | | | | | | | | | | EBR015E-0440-36 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 440 | 15.8 | 24 | 36 |
| | | | | | | | | | | ERP020W-0440-34 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 440 | 15.0 | 26 | 34 |
| LMH2 1250 Sunset | 1250 | 2700 to 1800 | 440 +/- 10% | ≤40% | ≤1000 | ≤27 | ≥32 | ≤60 | 15.0 | ESM020W-0440-34-SS-F1B | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 440 | 15.0 | 27 | 34 |
| LMH2 2000 TW | 2000 | 2700, 3000, 3500, 4000 | 900 +/- 10% | ≤40% | ≤2000 | ≤22 | ≥26 | ≤60 | 23.4 | ESM030W-0900-26 | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 23.4 | 19 | 26 |
| | | | | | | | | | | ESS030W-0900-27 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 24.3 | 20 | 27 |
| | | | | | | | | | | ERP030W-0900-27 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 24.3 | 20 | 27 |
| LMH2 2000 Sunset | 2000 | 2700 to 1800 | 940 +/- 10% | ≤40% | ≤2000 | ≤20 | ≥25 | ≤60 | 23.5 | ESM030W-0940-26-SS-F1B | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 940 | 24.4 | 19 | 26 |
| LMH2 3000 TW | 3000 | 2700, 3000, 3500, 4000 | 900 +/- 10% | ≤40% | ≤2000 | ≤33 | ≥38 | ≤60 | 34.2 | ESM040W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 42 |
| | | | | | | | | | | ESP040W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 42 |
| | | | | | | | | | | ERP040W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 42 |
| LMH2 3000 Sunset | 3000 | 2700 to 1800 | 940 +/- 10% | ≤40% | ≤2000 | ≤28 | ≥33 | ≤60 | 31.0 | ESM040W-0940-33-SS-F1B | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 940 | 31.0 | 28 | 33 |
| LMH2 4000 TW | 4000 | 2700, 3000, 3500, 4000 | 940 +/- 10% | ≤40% | ≤2000 | ≤35.5 | ≥43 | ≤60 | 40.4 | ESM040W-0940-43 | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 940 | 40.4 | 32 | 43 |
| | | | | | | | | | | ESP040W-0940-43 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 940 | 40.4 | 35 | 43 |
| LMH2 6000 TW | 6000 | All | 1700 +/- 3% | ≤10% | ≤2000 | ≤38 | ≥46 | ≤60 | 81.6 | EVM090W-1700-48-N1B | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 1700 | 81.6 | 37 | 48 |
| LMH2 8000 TW | 8000 | All | 2000 +/- 3% | ≤10% | ≤2500 | ≤46.2 | ≥52 | ≤60 | 98.8 | EVM110W-2000-52-N1B | 120 to 277 Vac, 87% eff., Rectangular Metal Case Bottom Leads with Studs | Forward/Reverse Phase & 0-10V | 1-100% | 2000 | 104.0 | 40 | 52 |

TW= True White



Cree CXA Series - ERP Cross Reference

General Overview

| | Current (mA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | 200 | 250 | 280 | 285 | 300 | 350 | 380 | 400 | 440 | 450 | 460 | 500 | 550 | 620 | 700 | 800 | 850 | 900 | 1000 | 1050 | 1200 | 1400 | 1600 | 1800 | 1900 | 2000 | 2100 | 2500 | 2700 | 2800 | |
| CXA1304 (9V) | | | | | | | | | | | | | | | | ✓ | | | | | | | | | | | | | | | |
| CXA1304 (18V) | | | | | | ✓ | | | ✓ | | | | | | | | | | | | | | | | | | | | | | |
| CXA1304 (37V) | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CXA1310 (18V) | | | | | | | | | | | | | | | ✓ | | | ✓ | ✓ | | | | | | | | | | | | |
| CXA1310 (36V) | | | | | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | |
| CXA1507 (18V) | | | | | | | | | | | | | | | ✓ | | | | | | | | | | | | | | | | |
| CXA1507 (37V) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | |
| CXA1510 (18V) | | | | | | | | | | | | | | | ✓ | | | ✓ | | | | | | | | | | | | | |
| CXA1510 (37V) | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | | | | | ✓ | | | | | | | | | | | | |
| CXA1512 (18V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CXA1512 (37V) | | | | | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | |
| CXA1520 (35V) | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | |
| CXA1816 (37V) | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | |
| CXA1820 (37V) | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | |
| CXA1830 (37V) | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | |
| CXA1850 (35V) | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXA2520 (36V) | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXA2530 (37V) | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXA2540 (37V) | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXA2590 (69V) | | | | | | | | | | | | | | | | | | | | | ✓ | | | | | | | | | | |
| CXA3050 (37V) | | | | | | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXA3070 (38.5V) | | | | | | | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| CXA3590 (36V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ |
| CXA3590 (77V) | | | | | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | | | | | | | | |



Cree CXA Series - ERP Cross Reference (1/9)

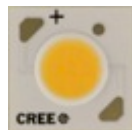


CXA1304

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|---|----------------------|--------------|--------------|------------------------------|---|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | Min 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) |
| CXA1304 (9V): 400mA (binned current), 1000mA (max current), 800mA (LM80 current) | | | | | | | | | | | | |
| CXA1304@800mA | 800 | <=8 | >=10.5 | ELP009E-0800-12 | 220/230/240 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 800 | 9.6 | 8 | 10 | 12 |
| CXA1304 (18V): 200mA (binned current), 500mA (max current), 400mA (LM80 current) | | | | | | | | | | | | |
| CXA1304@350mA | 350 | <=15 | >=21 | ELP009U-0350-21 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 350 | 7.4 | 12 | 17 | 21 |
| CXA1304@440mA | 440 | <=15 | >=21 | EBR010U-0440-24 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 440 | 10.6 | 16 | 21.6 | 24 |
| | | | | EBR010E-0440-24 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 440 | 10.6 | 16 | 21.6 | 24 |
| CXA1304 (37V): 100mA (binned current), 250mA (max current), 200mA (LM80 current) | | | | | | | | | | | | |
| CXA1304@200mA | 200 | <=32 | >=42 | 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 |
| CXA1304@250mA | 250 | <=32 | >=42 | 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 250 | 10.5 | 24 | 37.8 | 42 |



Cree CXA Series - ERP Cross Reference (2/9)



CXA1310

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|--|----------------------|--------------|--------------|------------------------------|--|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | Min 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) |
| CXA1310 (18V): 700mA (binned current), 1050mA (max current), ???mA (LM80 current) | | | | | | | | | | | | |
| CXA1310@700mA | 700 | <=17 | >=19 | EBR020U-0700-24 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 700 | 16.8 | 16 | 21.6 | 24 |
| | | | | EBR020E-0700-24 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 700 | 16.8 | 16 | 21.6 | 24 |
| | | | | ESS020W-0700-24 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 16.8 | 14 | 22 | 24 |
| CXA1310@900mA | 900 | <=17 | >=19 | ESM030W-0900-26 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 23.4 | 19 | 24 | 26 |
| CXA1310@1000mA | 1000 | <=17 | >=19 | ELM030W-1000-24 | 120 & 277 Vac, 84% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 10-100% | 1000 | 24.0 | 14 | 21.6 | 24 |
| CXA1310 (36V): 350mA (binned current), 525mA (max current), ???mA (LM80 current) | | | | | | | | | | | | |
| CXA1310@350mA | 350 | <=33 | >=42 | 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 |
| | | | | ERPO20W-0350-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 350 | 14.7 | 31.5 | 39 | 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 |
| | | | | 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 |
| CXA1310@380mA | 380 | <=33 | >=42 | ELR018U-0380-42 | 120 Vac, 84% eff., Round Plastic Case | Forward/Reverse Phase | 10-100% | 380 | 16.0 | 24 | 37 | 42 |
| CXA1310@400mA | 400 | <=33 | >=42 | EBR020U-0400-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 400 | 16.8 | 30 | 37.8 | 42 |
| | | | | ESS020W-0400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 400 | 16.8 | 24 | 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 |
| CXA1310@450mA | 450 | <=33 | >=42 | ELP018U-0450-41 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 450 | 18.5 | 24 | 36.4 | 41 |
| | | | | ERPO20W-0450-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 450 | 18.9 | 31.5 | 39 | 42 |
| | | | | ESS020W-0450-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 450 | 18.9 | 24 | 37.8 | 42 |
| CXA1310@460mA | 460 | <=33 | >=42 | EBR020U-0460-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 460 | 19.3 | 30 | 37.8 | 42 |
| CXA1310@500mA | 500 | <=33 | >=42 | 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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 |



Cree CXA Series - ERP Cross Reference (3/9)



CXA1507



CXA 1510

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|----------------------------|----------------------|--------------|--------------|------------------------------|--|--------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | Min 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) |

CXA1507 (18V): 400mA (binned current), 750mA (max current), 750mA (LM80 current)

| | | | | | | | | | | | | |
|---------------|-----|------|------|-----------------|--|-------------------------------|--------|-----|------|----|------|----|
| CXA1507@700mA | 700 | <=17 | >=19 | EBR020U-0700-24 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 700 | 16.8 | 16 | 21.6 | 24 |
| | | | | EBR020E-0700-24 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 700 | 16.8 | 16 | 21.6 | 24 |
| | | | | ESS020W-0700-24 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 16.8 | 14 | 22 | 24 |

CXA1507 (37V): 200mA (binned current), 375mA (max current), 375mA (LM80 current)

| | | | | | | | | | | | | |
|---------------|-----|------|------|-----------------|--|-------------------------------|---------|-----|------|------|------|----|
| CXA1507@200mA | 200 | <=32 | >=42 | 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 |
| CXA1507@250mA | 250 | <=33 | >=42 | 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 250 | 10.5 | 24 | 37.8 | 42 |
| CXA1507@280mA | 280 | <=33 | >=42 | ESM020W-0280-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 280 | 11.8 | 24 | 37.8 | 42 |
| CXA1507@285mA | 285 | <=33 | >=42 | EBR010U-0285-42 | 120 Vac, 87% eff. Round Plastic Case | Forward/Reverse Phase | 1-100% | 285 | 12.0 | 30 | 37.8 | 42 |
| CXA1507@300mA | 300 | <=34 | >=42 | 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 |
| | | | | ELP012U-0300-41 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 300 | 12.3 | 24 | 36.4 | 41 |
| | | | | ESS015W-0300-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 300 | 12.6 | 24 | 37.8 | 42 |
| CXA1507@350mA | 350 | <=34 | >=42 | 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 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 350 | 14.7 | 31.5 | 39 | 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 |
| | | | | 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 |

CXA1510 (18V): 500mA (binned current), 900mA (max current)

| | | | | | | | | | | | | |
|---------------|-----|--|------|-----------------|--|-------------------------------|--------|-----|------|----|------|----|
| CXA1510@700mA | 700 | | >=21 | EBR020U-0700-24 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 700 | 16.8 | 16 | 21.6 | 24 |
| | | | | EBR020E-0700-24 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 700 | 16.8 | 16 | 21.6 | 24 |
| | | | | ESS020W-0700-24 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 16.8 | 14 | 22 | 24 |
| CXA1510@900mA | 900 | | >=21 | ESM030W-0900-26 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 23.4 | 19 | 24 | 26 |



Cree CXA Series - ERP Cross Reference (4/9)



CXA 1510/1512



| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|--|----------------------|--------------|--------------|------------------------------|--|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | Min 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) |
| CXA1510 (37V): 250mA (binned current), 450mA (max current) | | | | | | | | | | | | |
| CXA1510@250mA | 250 | <=32 | >=42 | 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 250 | 10.5 | 24 | 37.8 | 42 |
| CXA1510@280mA | 280 | <=33 | >=42 | ESM020W-0280-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 280 | 11.8 | 24 | 37.8 | 42 |
| CXA1510@285mA | 285 | <=33 | >=42 | EBR010U-0285-42 | 120 Vac, 87% eff. Round Plastic Case | Forward/Reverse Phase | 1-100% | 285 | 12.0 | 30 | 37.8 | 42 |
| CXA1510@300mA | 300 | <=32 | >=42 | 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 |
| | | | | ELP012U-0300-41 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 300 | 12.3 | 24 | 36.4 | 41 |
| | | | | ESS015W-0300-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 300 | 12.6 | 24 | 37.8 | 42 |
| CXA1510@350mA | 350 | <=32 | >=42 | 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 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 350 | 14.7 | 31.5 | 39 | 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 |
| | | | | 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 |
| CXA1510@380mA | 380 | <=33 | >=42 | ELR018U-0380-42 | 120 Vac, 84% eff., Round Plastic Case | Forward/Reverse Phase | 10-100% | 380 | 16.0 | 24 | 37 | 42 |
| CXA1510@400mA | 400 | <=33 | >=42 | EBR020U-0400-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 400 | 16.8 | 30 | 37.8 | 42 |
| | | | | ESS020W-0400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 400 | 16.8 | 24 | 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 |
| CXA1510@450mA | 450 | <=33 | >=42 | ELP018U-0450-41 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 450 | 18.5 | 24 | 36.4 | 41 |
| | | | | ERP020W-0450-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 450 | 18.9 | 31.5 | 39 | 42 |
| | | | | ESS020W-0450-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 450 | 18.9 | 24 | 37.8 | 42 |
| CXA1512(37V): 350mA (binned current), 500mA (max current), 500mA (LM80 current) | | | | | | | | | | | | |
| CXA1512@350mA | 350 | <=32 | >=42 | 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 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 350 | 14.7 | 31.5 | 39 | 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 |
| | | | | 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 |
| CXA1512@380mA | 380 | <=33 | >=42 | ELR018U-0380-42 | 120 Vac, 84% eff., Round Plastic Case | Forward/Reverse Phase | 10-100% | 380 | 16.0 | 24 | 37 | 42 |
| CXA1512@400mA | 400 | <=33 | >=42 | EBR020U-0400-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 400 | 16.8 | 30 | 37.8 | 42 |
| | | | | ESS020W-0400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 400 | 16.8 | 24 | 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 |
| CXA1512@450mA | 450 | <=33 | >=42 | ELP018U-0450-41 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 450 | 18.5 | 24 | 36.4 | 41 |
| | | | | ERP020W-0450-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 450 | 18.9 | 31.5 | 39 | 42 |
| | | | | ESS020W-0450-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 450 | 18.9 | 24 | 37.8 | 42 |
| CXA1512@460mA | 460 | <=33 | >=42 | EBR020U-0460-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 460 | 19.3 | 30 | 37.8 | 42 |
| | | | | EBR020U-0500-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 500 | 21.0 | 30 | 37.8 | 42 |
| CXA1512@500mA | 500 | <=33 | >=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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 |

Cree CXA Series - ERP Cross Reference (5/9)

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | | |
|---|----------------------|--------------|--------------|------------------------------|--|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|--|
| Cree Product Name | Forward Current (mA) | Min 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) | |
| CXA1520: 500mA (binned current), 900mA (max current), 900mA (LM80 current) | | | | | | | | | | | | | |
| CXA1520@500mA | 500 | <=31 | >=42 | 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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 | |
| CXA1520@550mA | 550 | <=31 | >=42 | ESM030W-0550-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 550 | 23.1 | 24 | 37.8 | 42 | |
| CXA1520@620mA | 620 | <=32 | >=42 | ESS030W-0620-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 620 | 26.0 | 24 | 37.8 | 42 | |
| CXA1520@700mA | 700 | <=32 | >=42 | 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 | |
| | | | | ERP030W-0700-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 700 | 29.4 | 31.5 | 39 | 42 | |
| | | | | 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 | |
| CXA1520@800mA | 800 | <=32 | >=42 | ERP040W-0800-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 | |
| | | | | ESM040W-0800-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 | |
| | | | | ERP040W-0850-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 | |
| CXA1520@850mA | 850 | <=35 | >=42 | ESM040W-0850-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 | |
| | | | | ERP040W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 | |
| | | | | ESM040W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 | |
| CXA1520@900mA | 900 | <=32 | >=42 | ESP040W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 | |



CXA1520

| | | | | | | | | | | | | | |
|---|-----|------|------|-----------------|--|-------------------------------|---------|-----|------|------|------|----|--|
| CXA1816: 450mA (binned current), 900mA (max current), 800mA (LM80 current) | | | | | | | | | | | | | |
| CXA1816@450mA | 450 | <=34 | >=42 | ELP018U-0450-41 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 450 | 18.5 | 24 | 36.4 | 41 | |
| | | | | ERP020W-0450-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 450 | 18.9 | 31.5 | 39 | 42 | |
| | | | | ESS020W-0450-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 450 | 18.9 | 24 | 37.8 | 42 | |
| CXA1816@460mA | 460 | <=34 | >=42 | EBR020U-0460-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 460 | 19.3 | 30 | 37.8 | 42 | |
| CXA1816@500mA | 500 | <=34 | >=42 | 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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 | |
| CXA1816@550mA | 550 | <=34 | >=42 | ERP030W-0550-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 550 | 23.1 | 31.5 | 39 | 42 | |
| | | | | ESM030W-0550-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 550 | 23.1 | 24 | 37.8 | 42 | |
| CXA1816@620mA | 620 | <=35 | >=42 | ESS030W-0550-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 550 | 23.1 | 24 | 37.8 | 42 | |
| | | | | ESS030W-0620-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 620 | 26.0 | 24 | 37.8 | 42 | |
| CXA1816@700mA | 700 | <=35 | >=42 | 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 | |
| | | | | ERP030W-0700-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 700 | 29.4 | 31.5 | 39 | 42 | |
| | | | | 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 | |
| CXA1816@800mA | 800 | <=35 | >=42 | ERP040W-0800-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 | |
| | | | | ESM040W-0800-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 | |
| | | | | ERP040W-0850-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 | |
| CXA1816@850mA | 850 | <=35 | >=42 | ESM040W-0850-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 | |
| | | | | ERP040W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 | |
| | | | | ESM040W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 | |
| CXA1816@900mA | 900 | <=35 | >=42 | ESP040W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 | |

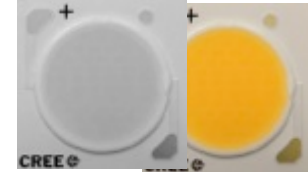


CXA1816



Cree CXA Series - ERP Cross Reference (6/9)

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | | | | | |
|--|--|-------------------------------|--------------|---|--|-------------------------------|---------------|-----------------|---|----------------|----------------|----------------|------|----|------|----|
| Cree Product Name | Forward Current (mA) | Min 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) | | | | |
| CXA1820: 550mA (binned current), 1050mA (max current), 865mA (LM80 current) | | | | | | | | | | | | | | | | |
| CXA1820@550mA | 550 | <=31 | >=42 | ERPO30W-0550-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 550 | 23.1 | 31.5 | 39 | 42 | | | | |
| | | | | ESM030W-0550-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 550 | 23.1 | 24 | 37.8 | 42 | | | | |
| CXA1820@620mA | 620 | <=32 | >=42 | ERPO30W-0620-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | 0-10V | 1-100% | 620 | 26.0 | 24 | 37.8 | 42 | | | | |
| | | | | 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 | | | | |
| | | | | ERPO30W-0700-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 700 | 29.4 | 31.5 | 39 | 42 | | | | |
| CXA1820@700mA | 700 | <=32 | >=42 | 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 | | | | |
| | | | | ERPO40W-0800-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 | | | | |
| | | | | ESM040W-0800-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 | | | | |
| CXA1820@800mA | 800 | <=32 | >=42 | ESPO40W-0800-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 | | | | |
| | | | | ERPO40W-0850-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 | | | | |
| | | | | ESM040W-0850-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 | | | | |
| CXA1820@850mA | 850 | <=35 | >=42 | ESPO40W-0850-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 | | | | |
| | | | | ERPO40W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 | | | | |
| | | | | ESM040W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 | | | | |
| CXA1820@900mA | 900 | <=32 | >=42 | ESPO40W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 | | | | |
| | | | | ERPO40W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 | | | | |
| | | | | ESM040W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 | | | | |
| CXA1820@1000mA | 1000 | <=32 | >=42 | 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 | | | | |
| | | | | 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 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1050 | 44.1 | 24 | 37.8 | 42 | | | | |
| CXA1820@1050mA | 1050 | <=32 | >=42 | ESPO50W-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 | | | | |
| | | | | 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 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1050 | 44.1 | 24 | 37.8 | 42 | | | | |
| CXA1830: 800mA (binned current), 1400mA (max current), 994mA (LM80 current) | | | | | | | | | | | | | | | | |
| CXA1830@800mA | 800 | <=32 | >=42 | ERPO40W-0800-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 | | | | |
| | | | | ESM040W-0800-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 | | | | |
| | | | | ESPO40W-0800-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 | | | | |
| CXA1830@850mA | 850 | <=35 | >=42 | ERPO40W-0850-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 | | | | |
| | | | | ESM040W-0850-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 | | | | |
| | | | | ESPO40W-0850-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 | | | | |
| CXA1830@900mA | 900 | <=32 | >=42 | ERPO40W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 | | | | |
| | | | | ESM040W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 | | | | |
| | | | | ESPO40W-0900-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 | | | | |
| CXA1830@1000mA | 1000 | <=32 | >=42 | 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 | | | | |
| | | | | 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 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1050 | 44.1 | 24 | 37.8 | 42 | | | | |
| CXA1830@1050mA | 1050 | <=32 | >=42 | ESPO50W-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 | | | | |
| | | | | 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 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 | | | | |
| CXA1830@1200mA | 1200 | <=32 | >=42 | ESPO50W-1200-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 | | | | |
| | | | | ERM060W-1400-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1400 | 58.8 | 32 | 37.8 | 42 | | | | |
| | | | | ESPO60W-1400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 24 | 37.8 | 42 | | | | |
| CXA1830@1400mA | 1400 | <=33 | >=42 | EVM060W-1400-42-COB | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 30 | 37.8 | 42 | | | | |
| | | | | CXA1850: 1400mA (binned current), 2100mA (max current), ???mA (LM80 current) | | | | | | | | | | | | |
| | | | | CXA1850@1400mA | 1400 | <=33 | >=42 | ERM060W-1400-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1400 | 58.8 | 32 | 37.8 | 42 |
| ESPO60W-1400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | | | | | 1400 | 58.8 | 24 | 37.8 | 42 | | | | |
| EVM060W-1400-42-COB | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | | | | | 1400 | 58.8 | 30 | 37.8 | 42 | | | | |
| CXA1850@1600mA | 1600 | <=33 | >=42 | ERM060W-1600-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1600 | 67.2 | 32 | 37.8 | 42 | | | | |
| CXA1850@1800mA | 1800 | <=33 | >=42 | EVB080W-1800S-42 | 120 to 277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1800 | 75.6 | 30 | 37.8 | 42 | | | | |
| CXA1850@1900mA | 1900 | <=33 | >=42 | EVM080W-1900-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1900 | 79.8 | 30 | 37.8 | 42 | | | | |
| CXA1850@2000mA | 2000 | <=33 | >=42 | EVM090W-2000-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2000 | 84.0 | 30 | 37.8 | 42 | | | | |
| CXA1850@2100mA | 2100 | <=33 | >=42 | 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 | | | | |



CXA1820



CXA1830



CXA1850



Cree CXA Series - ERP Cross Reference (7/9)

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|---|----------------------|--------------|--------------|------------------------------|--|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | Min 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) |
| CXA2520: 550mA (binned current), 1250mA (max current), 1250mA (LM80 current) | | | | | | | | | | | | |
| CXA2520@550mA | 550 | <=31 | >=42 | ERP030W-0550-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 550 | 23.1 | 31.5 | 39 | 42 |
| | | | | ESM030W-0550-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 550 | 23.1 | 24 | 37.8 | 42 |
| CXA2520@620mA | 620 | <=31 | >=42 | ESS030W-0620-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 620 | 26.0 | 24 | 37.8 | 42 |
| | | | | 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 |
| CXA2520@700mA | 700 | <=32 | >=42 | ERP030W-0700-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 700 | 29.4 | 31.5 | 39 | 42 |
| | | | | 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-0700-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 29.4 | 24 | 37.8 | 42 |
| CXA2520@800mA | 800 | <=32 | >=42 | ERP040W-0800-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 |
| | | | | ESM040W-0800-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 |
| CXA2520@850mA | 850 | <=32 | >=42 | ERP040W-0850-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 |
| | | | | ESM040W-0850-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 |
| CXA2520@900mA | 900 | <=34 | >=42 | ERP040W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 |
| | | | | ESM040W-0900-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 |
| CXA2520@1000mA | 1000 | <=33 | >=42 | 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 |
| CXA2520@1050mA | 1050 | <=33 | >=42 | 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 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 |
| CXA2520@1200mA | 1200 | <=33 | >=42 | 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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 |

| | | | | | | | | | | | | |
|---|------|------|------|-----------------|--|-------------------------------|---------|------|------|------|------|----|
| CXA2530: 800mA (binned current), 1600mA (max current), 1400mA (LM80 current) | | | | | | | | | | | | |
| CXA2530@800mA | 800 | <=30 | >=40 | ERP040W-0800-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 |
| | | | | ESM040W-0800-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 |
| CXA2530@850mA | 850 | <=32 | >=42 | ERP040W-0850-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 |
| | | | | ESM040W-0850-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 |
| CXA2530@900mA | 900 | <=32 | >=42 | ERP040W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 |
| | | | | ESM040W-0900-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 |
| CXA2530@1000mA | 1000 | <=32 | >=42 | 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 |
| CXA2530@1050mA | 1050 | <=32 | >=42 | 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 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 |
| CXA2530@1200mA | 1200 | <=33 | >=42 | 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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 |
| CXA2530@1400mA | 1400 | <=33 | >=42 | ERM060W-1400-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1400 | 58.8 | 32 | 37.8 | 42 |
| | | | | ESP060W-1400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 24 | 37.8 | 42 |
| CXA2530@1600mA | 1600 | <=33 | >=42 | ERM060W-1600-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1600 | 67.2 | 32 | 37.8 | 42 |



CXA2520/
2530

Cree CXA Series - ERP Cross Reference (8/9)

CXA2540



CXA2590



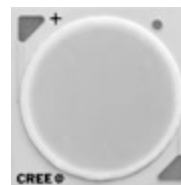
| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|--|----------------------|--------------|--------------|------------------------------|--|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | Min 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) |
| CXA2540: 1100mA (binned current), 2100mA (max current), 1731mA (LM80 current) | | | | | | | | | | | | |
| CXA2540@1050mA | 1050 | <=32 | >=42 | 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 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 |
| CXA2540@1200mA | 1200 | <=33 | >=42 | 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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 |
| CXA2540@1400mA | 1400 | <=33 | >=42 | ERM060W-1400-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1400 | 58.8 | 32 | 37.8 | 42 |
| | | | | ESP060W-1400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 24 | 37.8 | 42 |
| | | | | EVM060W-1400-42-COB | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 30 | 37.8 | 42 |
| CXA2540@1600mA | 1600 | <=33 | >=42 | ERM060W-1600-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1600 | 67.2 | 32 | 37.8 | 42 |
| CXA2540@1800mA | 1800 | <=33 | >=42 | EVB080W-1800S-42 | 120 to 277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1800 | 75.6 | 30 | 37.8 | 42 |
| CXA2540@1900mA | 1900 | <=33 | >=42 | EVM080W-1900-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1900 | 79.8 | 30 | 37.8 | 42 |
| CXA2540@2000mA | 2000 | <=33 | >=42 | EVM090W-2000-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2000 | 84.0 | 30 | 37.8 | 42 |
| CXA2540@2100mA | 2100 | <=33 | >=42 | 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 |
| CXA2590: 1200mA (binned current), 1800mA (max current), ???mA (LM80 current) | | | | | | | | | | | | |
| CXA2590@1200mA | 1200 | <=66 | >=80 | EVM100W-1200-80 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 96.0 | 66 | 72 | 80 |



Cree CXA Series - ERP Cross Reference (9/9)



CXA3050/3070



CXA3590

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|--|----------------------|--------------|--------------|------------------------------|--|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | Min 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) |
| CXA3050: 1400mA (binned current), 2500mA (max current), 2250mA (LM80 current) | | | | | | | | | | | | |
| CXA3050@1400mA | 1400 | <=33 | >=42 | ERM060W-1400-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1400 | 58.8 | 32 | 37.8 | 42 |
| | | | | ESPO60W-1400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 24 | 37.8 | 42 |
| | | | | EVM060W-1400-42-COB | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 30 | 37.8 | 42 |
| CXA3050@1600mA | 1600 | <=33 | >=42 | ERM060W-1600-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1600 | 67.2 | 32 | 37.8 | 42 |
| CXA3050@1800mA | 1800 | <=33 | >=42 | EVB080W-1800S-42 | 120 to 277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1800 | 75.6 | 30 | 37.8 | 42 |
| CXA3050@1900mA | 1900 | <=33 | >=42 | EVM080W-1900-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1900 | 79.8 | 30 | 37.8 | 42 |
| CXA3050@2000mA | 2000 | <=33 | >=42 | EVM090W-2000-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2000 | 84.0 | 30 | 37.8 | 42 |
| CXA3050@2100mA | 2100 | <=33 | >=42 | 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 |
| CXA3050@2500mA | 2500 | <=33 | >=42 | EVM110W-2500-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2500 | 105.0 | 30 | 37.8 | 42 |
| CXA3070: 1925mA (binned current), 2800mA (max current), 2200mA (LM80 current) | | | | | | | | | | | | |
| CXA3070@1900mA | 1900 | <=33 | >=42 | EVM080W-1900-42 | 120 to 277 Vac, 87% eff., Rectangular metal case | Forward/Reverse Phase & 0-10V | 1-100% | 1900 | 79.8 | 30 | 37.8 | 42 |
| CXA3070@2000mA | 2000 | <=33 | >=42 | EVM090W-2000-42 | 120 to 277 Vac, 87% eff., Rectangular metal case | Forward/Reverse Phase & 0-10V | 1-100% | 2000 | 84.0 | 30 | 37.8 | 42 |
| CXA3070@2100mA | 2100 | <=33 | >=42 | 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 |
| CXA3070@2500mA | 2500 | <=33 | >=42 | EVM110W-2500-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2500 | 105.0 | 30 | 37.8 | 42 |
| CXA3070@2700mA | 2700 | <=33 | >=42 | EVM120W-2700-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2700 | 113.4 | 30 | 37.8 | 42 |
| CXA3070@2800mA | 2800 | <=33 | >=42 | EVM120W-2800-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2800 | 117.6 | 30 | 37.8 | 42 |
| CXA3590 (36V): 2400mA (binned current), 3600mA (max current) | | | | | | | | | | | | |
| CXA3590@2500mA | 2500 | <=30 | >=42 | EVM110W-2500-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2500 | 105.0 | 30 | 37.8 | 42 |
| CXA3590@2700mA | 2700 | <=30 | >=42 | EVM120W-2700-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2700 | 113.4 | 30 | 37.8 | 42 |
| CXA3590@2800mA | 2800 | <=30 | >=42 | EVM120W-2800-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2800 | 117.6 | 30 | 37.8 | 42 |
| CXA3590 (77V): 1200mA (binned current), 1800mA (max current), 1400mA (LM80 current) | | | | | | | | | | | | |
| CXA3590@1050mA | 1050 | <=70 | >=84 | EVM090W-1050-84 | 120 to 277 Vac, 87% eff., Rectangular metal case | Forward/Reverse Phase & 0-10V | 1-100% | 1050 | 88.2 | 70 | 75.6 | 84 |
| CXA3590@1200mA | 1200 | <=70 | >=84 | EVM100W-1200-84 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 100.8 | 70 | 75.6 | 84 |
| CXA3590@1400mA | 1400 | <=70 | >=84 | EVM120W-1400-84 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 117.6 | 70 | 75.6 | 84 |

For additional options of output current and output voltage, contact your sales representative.



Cree CXB Series - ERP Cross Reference

General Overview

| | Current (mA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|---|--|
| | 200 | 250 | 280 | 285 | 300 | 350 | 380 | 400 | 450 | 460 | 500 | 550 | 620 | 700 | 800 | 850 | 900 | 1000 | 1050 | 1200 | 1400 | 1600 | 1750 | 1800 | 1900 | 2000 | 2100 | 2300 | 2500 | 2700 | 2800 | 3000 | | | |
| CXB1304 (9V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CXB1304 (18V) | | | | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CXB1304 (36V) | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CXB1507 (18V) | | | | | | | | | | | | | | ✓ | | | | | | | | | | | | | | | | | | | | | |
| CXB1507 (36V) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CXB1512 (18V) | | | | | | | | | | | | | | ✓ | | | | | | ✓ | | | | | | | | | | | | | | | |
| CXB1512 (36V) | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | |
| CXB1816 (35V) | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXB1820 (35V) | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXB1830 (35V) | | | | | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXB2530 (35V) | | | | | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXB2540 (34.8V) | | | | | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXB3050 (34.8V) | | | | | | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| CXB3070 (36V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CXB3590 (36V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CXB3590 (72V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Cree CXB Series - ERP Cross Reference (1/6)

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | | |
|--|----------------------|--------------|--------------|------------------------------|--|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|--|
| Cree Product Name | Forward Current (mA) | 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) | |
| CXB1304 (18V): 200mA (nominal current), 500mA (max current) | | | | | | | | | | | | | |
| CXB1304@350mA | 350 | 17.3 | 19 | ELP009U-0350-21 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 350 | 7.4 | 12 | 17 | 21 | |
| CXB1304 (36V): 100mA (nominal current), 250mA (max current) | | | | | | | | | | | | | |
| CXB1304@200mA | 200 | 34.5 | 38 | 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 | |
| CXB1304@250mA | 240 | 34.5 | 38 | 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 250 | 10.5 | 24 | 37.8 | 42 | |
| CXB1507 (18V): 400mA (nominal current), 750mA (max current) | | | | | | | | | | | | | |
| CXB1507@700mA | 700 | 17.3 | 19 | ESS020W-0700-24 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 16.8 | 14 | 22 | 24 | |
| | | | | ELM030W-0700-24 | 120 & 277 Vac, 84% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 10-100% | 700 | 16.8 | 14 | 21.6 | 24 | |
| CXB1507 (36V): 200mA (nominal current), 375mA (max current) | | | | | | | | | | | | | |
| CXB1507@200mA | 200 | 34.5 | 38 | 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 | |
| CXB1507@250mA | 250 | 34.5 | 38 | 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 250 | 10.5 | 24 | 37.8 | 42 | |
| CXB1507@280mA | 280 | 34.5 | 38 | ESM020W-0280-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 280 | 11.8 | 24 | 37.8 | 42 | |
| CXB1507@285mA | 285 | 34.5 | 38 | EBR010U-0285-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 285 | 12.0 | 30 | 37.8 | 42 | |
| CXB1507@300mA | 300 | 34.5 | 38 | 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 | |
| | | | | ELP012U-0300-41 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 300 | 12.3 | 24 | 36.4 | 41 | |
| | | | | ESS015W-0300-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 300 | 12.6 | 24 | 37.8 | 42 | |
| CXB1507@350mA | 350 | 34.5 | 38 | 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 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 350 | 14.7 | 31.5 | 39 | 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 | |
| | | | | 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 | |



Cree CXB Series - ERP Cross Reference (2/6)

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|--|----------------------|--------------|--------------|------------------------------|--|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | 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) |
| CXB1512(18V): 700mA (nominal current), 1200mA (max current) | | | | | | | | | | | | |
| CXB1512@700mA | 700 | 17.2 | 19 | ESS020W-0700-24 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 16.8 | 14 | 22 | 24 |
| | | | | ELM030W-0700-24 | 120 & 277 Vac, 84% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 10-100% | 700 | 16.8 | 14 | 21.6 | 24 |
| CXB1512@1000mA | 1000 | 17.2 | 19 | ELM030W-1000-24 | 120 & 277 Vac, 84% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 10-100% | 1000 | 24.0 | 14 | 21.6 | 24 |
| CXB1512(36V): 350mA (nominal current), 600mA (max current) | | | | | | | | | | | | |
| CXB1512@350mA | 350 | 34.3 | 38 | 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 |
| | | | | ERPO20W-0350-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 350 | 14.7 | 31.5 | 39 | 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 |
| | | | | 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 |
| CXB1512@380mA | 380 | 34.3 | 38 | ELR018U-0380-42 | 120 Vac, 84% eff., Round Plastic Case | Forward/Reverse Phase | 10-100% | 380 | 16.0 | 24 | 37 | 42 |
| CXB1512@400mA | 400 | 34.3 | 38 | 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 |
| CXB1512@450mA | 450 | 34.3 | 38 | ELP018U-0450-41 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 450 | 18.5 | 24 | 36.4 | 41 |
| | | | | ERPO20W-0450-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 450 | 18.9 | 31.5 | 39 | 42 |
| | | | | ESS020W-0450-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 450 | 18.9 | 24 | 37.8 | 42 |
| CXB1512@460mA | 460 | 34.3 | 38 | EBR020U-0460-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 460 | 19.3 | 30 | 37.8 | 42 |
| CXB1512@500mA | 500 | 34.3 | 38 | 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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 |
| CXB1512@550mA | 550 | 34.3 | 38 | ERPO30W-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 |



Cree CXB Series - ERP Cross Reference (3/6)

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|---|----------------------|--------------|--------------|------------------------------|--|-------------------------------|-----------|--------------|----------------|----------------|----------------|------|
| Cree Product Name | Forward Current (mA) | 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) | |
| CXB1816: 450mA (nominal current), 900mA (max current) | | | | | | | | | | | | |
| CXB1816@450mA | 450 | 35 | 38 | ELP018U-0450-41 | 120 Vac, 80% eff., Rectangular Plastic Case | Forward/Reverse Phase | 10-100% | 450 | 18.5 | 24 | 36.4 | 41 |
| | | | | ERP020W-0450-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 450 | 18.9 | 31.5 | 39 | 42 |
| | | | | ESS020W-0450-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 450 | 18.9 | 24 | 37.8 | 42 |
| CXB1816@460mA | 460 | 35 | 38 | EBR020U-0460-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 460 | 19.3 | 30 | 37.8 | 42 |
| | | | | EBR020U-0500-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 500 | 21.0 | 30 | 37.8 | 42 |
| CXB1816@500mA | 500 | 35 | 38 | 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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 |
| | | | | ERP030W-0550-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 550 | 23.1 | 31.5 | 39 | 42 |
| CXB1816@550mA | 550 | 35 | 38 | ESM030W-0550-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 550 | 23.1 | 24 | 37.8 | 42 |
| | | | | ESS030W-0620-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 620 | 26.0 | 24 | 37.8 | 42 |
| CXB1816@620mA | 620 | 35 | 38 | 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 |
| | | | | ERP030W-0700-38.5 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 700 | 27.0 | 29 | 35.8 | 38.5 |
| | | | | ESS030W-0700-39 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 27.3 | 27 | 35.1 | 39 |
| CXB1816@800mA | 800 | 35 | 38 | ERP040W-0800-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 |
| | | | | ESM040W-0800-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 |
| CXB1816@850mA | 850 | 35 | 38 | ERP040W-0850-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 |
| | | | | ESM040W-0850-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 |
| CXB1816@900mA | 900 | 35 | 38 | ERP040W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 |
| | | | | ESM040W-0900-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 |
| CXB1820: 550mA (nominal current), 1050mA (max current) | | | | | | | | | | | | |
| CXB1820@550mA | 550 | 35 | 38 | ERP030W-0550-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 550 | 23.1 | 31.5 | 39 | 42 |
| | | | | ESM030W-0550-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 550 | 23.1 | 24 | 37.8 | 42 |
| CXB1820@620mA | 620 | 35 | 38 | ESS030W-0620-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 620 | 26.0 | 24 | 37.8 | 42 |
| | | | | 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 |
| CXB1820@700mA | 700 | 35 | 38 | ERP030W-0700-38.5 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 700 | 27.0 | 29 | 35.8 | 38.5 |
| | | | | ESS030W-0700-39 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 27.3 | 27 | 35.1 | 39 |
| | | | | ERP040W-0800-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 |
| CXB1820@800mA | 800 | 35 | 38 | ESM040W-0800-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 |
| | | | | ERP040W-0850-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 |
| CXB1820@850mA | 850 | 35 | 38 | ESM040W-0850-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 |
| | | | | ERP040W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 |
| CXB1820@900mA | 900 | 35 | 38 | ESM040W-0900-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 |
| | | | | ELM040W-1000-38 | 120 & 277 Vac, 84% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 10-100% | 1000 | 38.0 | 24 | 34.2 | 38 |
| CXB1820@1050mA | 1050 | 35 | 38 | ERM050W-1050-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1050 | 44.1 | 32 | 37.8 | 42 |
| | | | | ERP040W-1050-38 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 1050 | 39.9 | 28.5 | 35.3 | 38 |
| | | | | 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 |



Cree CXB Series - ERP Cross Reference (4/6)

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|----------------------------|----------------------|--------------|--------------|------------------------------|--|--------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | 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) |

CXB1830: 800mA (nominal current), 1400mA (max current)

| | | | | | | | | | | | | |
|----------------|------|----|----|---------------------|--|-------------------------------|---------|------|------|------|------|----|
| CXB1830@800mA | 800 | 35 | 38 | ERP040W-0800-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 |
| | | | | ESM040W-0800-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 |
| CXB1830@850mA | 850 | 35 | 38 | ERP040W-0850-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 |
| | | | | ESM040W-0850-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 |
| CXB1830@900mA | 900 | 35 | 38 | ERP040W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 |
| | | | | ESM040W-0900-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 |
| CXB1830@1000mA | 1000 | 35 | 38 | ELM040W-1000-38 | 120 & 277 Vac, 84% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 10-100% | 1000 | 38.0 | 24 | 34.2 | 38 |
| CXB1830@1050mA | 1050 | 35 | 38 | ERM050W-1050-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1050 | 44.1 | 32 | 37.8 | 42 |
| | | | | ERP040W-1050-38 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 1050 | 39.9 | 28.5 | 35.3 | 38 |
| | | | | 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 |
| CXB1830@1200mA | 1200 | 35 | 38 | 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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 |
| CXB1830@1400mA | 1400 | 35 | 38 | ESP060W-1400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 24 | 37.8 | 42 |
| | | | | EVM060W-1400-42-COB | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 30 | 37.8 | 42 |

CXB2530: 800mA (nominal current), 1600mA (max current)

| | | | | | | | | | | | | |
|----------------|------|----|----|---------------------|--|-------------------------------|---------|------|------|------|------|----|
| CXB2530@800mA | 800 | 35 | 38 | ERP040W-0800-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 |
| | | | | ESM040W-0800-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 |
| CXB2530@850mA | 850 | 35 | 38 | ERP040W-0850-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 |
| | | | | ESM040W-0850-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 |
| CXB2530@900mA | 900 | 35 | 38 | ERP040W-0900-42 | 120 to 277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 |
| | | | | ESM040W-0900-42 | 120 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 |
| CXB2530@1000mA | 1000 | 35 | 38 | ELM040W-1000-38 | 120 & 277 Vac, 84% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 10-100% | 1000 | 38.0 | 24 | 34.2 | 38 |
| CXB2530@1050mA | 1050 | 35 | 38 | ERM050W-1050-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1050 | 44.1 | 32 | 37.8 | 42 |
| | | | | ERP040W-1050-38 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 1050 | 39.9 | 28.5 | 35.3 | 38 |
| | | | | 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 |
| CXB2530@1200mA | 1200 | 35 | 38 | 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 to 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 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 |
| CXB2530@1400mA | 1400 | 35 | 38 | ESP060W-1400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 24 | 37.8 | 42 |
| | | | | EVM060W-1400-42-COB | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 30 | 37.8 | 42 |
| CXB2530@1600mA | 1600 | 35 | 38 | ERM060W-1600-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1600 | 67.2 | 32 | 37.8 | 42 |



Cree CXB Series - ERP Cross Reference (5/6)

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|----------------------------|----------------------|--------------|--------------|------------------------------|--|--------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | 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) |

CXB2540: 1100mA (nominal current), 2100mA (max current)

| | | | | | | | | | | | | |
|----------------|------|------|----|---------------------|--|-------------------------------|---------|------|------|----|------|----|
| CXB2540@1200mA | 1200 | 34.8 | 38 | 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 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 |
| | | | | ESPO50W-1200-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 |
| CXB2540@1400mA | 1400 | 34.8 | 38 | ESPO60W-1400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 24 | 37.8 | 42 |
| | | | | EVM060W-1400-42-COB | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 30 | 37.8 | 42 |
| CXB2540@1600mA | 1600 | 34.8 | 38 | ERM060W-1600-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1600 | 67.2 | 32 | 37.8 | 42 |
| CXB2540@1750mA | 1750 | 34.8 | 38 | ERM060W-1750-40 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1750 | 70.0 | 30 | 36 | 40 |
| CXB2540@1800mA | 1800 | 34.8 | 38 | EVB080W-1800S-42 | 120-277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1800 | 75.6 | 30 | 37.8 | 42 |
| CXB2540@1900mA | 1900 | 34.8 | 38 | EVM080W-1900-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1900 | 79.8 | 30 | 37.8 | 42 |
| CXB2540@2000mA | 2000 | 34.8 | 38 | EVM090W-2000-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2000 | 84.0 | 30 | 37.8 | 42 |
| CXB2540@2100mA | 2100 | 34.8 | 38 | EVM100W-2100-45 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2100 | 94.5 | 32 | 40.5 | 45 |

CXB3050: 1400mA (nominal current), 2500mA (max current)

| | | | | | | | | | | | | |
|----------------|------|------|----|---------------------|--|-------------------------------|---------|------|-------|----|------|----|
| CXB3050@1400mA | 1400 | 34.8 | 38 | ESPO60W-1400-42 | 120 to 277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 24 | 37.8 | 42 |
| | | | | EVM060W-1400-42-COB | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 30 | 37.8 | 42 |
| CXB3050@1600mA | 1600 | 34.8 | 38 | ERM060W-1600-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1600 | 67.2 | 32 | 37.8 | 42 |
| CXB3050@1750mA | 1750 | 34.8 | 38 | ERM060W-1750-40 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1750 | 70.0 | 30 | 36 | 40 |
| CXB3050@1800mA | 1800 | 34.8 | 38 | EVB080W-1800S-42 | 120-277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1800 | 75.6 | 30 | 37.8 | 42 |
| CXB3050@1900mA | 1900 | 34.8 | 38 | EVM080W-1900-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1900 | 79.8 | 30 | 37.8 | 42 |
| CXB3050@2000mA | 2000 | 34.8 | 38 | EVM090W-2000-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2000 | 84.0 | 30 | 37.8 | 42 |
| CXB3050@2100mA | 2100 | 34.8 | 38 | EVM100W-2100-45 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2100 | 94.5 | 32 | 40.5 | 45 |
| CXB3050@2300mA | 2300 | 34.8 | 38 | EVB100W-2300S-40 | 120-277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2300 | 92.0 | 30 | 38.8 | 40 |
| | | | | EVM110W-2500-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2500 | 105.0 | 30 | 37.8 | 42 |
| CXB3050@2500mA | 2500 | 34.8 | 38 | EVB100W-2500S-40 | 120-277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2500 | 100.0 | 30 | 38.8 | 40 |



Cree CXB Series - ERP Cross Reference (6/6)

| CREE CXA LED SPECIFICATION | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|--|----------------------|--------------|--------------|------------------------------|--|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Cree Product Name | Forward Current (mA) | 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) |
| CXB3070: 1900mA (nominal current), 2800mA (max current) | | | | | | | | | | | | |
| CXB3070@1900mA | 1900 | 36 | 39 | EVM080W-1900-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1900 | 79.8 | 30 | 37.8 | 42 |
| CXB3070@2000mA | 2000 | 36 | 39 | EVM090W-2000-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2000 | 84.0 | 30 | 37.8 | 42 |
| CXB3070@2100mA | 2100 | 36 | 39 | EVM100W-2100-45 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2100 | 94.5 | 32 | 40.5 | 45 |
| CXB3070@2300mA | 2300 | 36 | 39 | EVB100W-2300S-40 | 120-277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2300 | 92.0 | 30 | 38.8 | 40 |
| CXB3070@2500mA | 2500 | 36 | 39 | EVM110W-2500-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2500 | 105.0 | 30 | 37.8 | 42 |
| | | | | EVB100W-2500S-40 | 120-277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2500 | 100.0 | 30 | 38.8 | 40 |
| CXB3070@2700mA | 2700 | 36 | 39 | EVM120W-2700-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2700 | 113.4 | 30 | 37.8 | 42 |
| CXB3070@2800mA | 2800 | 36 | 39 | EVM120W-2800-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2800 | 117.6 | 30 | 37.8 | 42 |
| CXB3590 (36V): 2400mA (nominal current), 3600mA (max current) | | | | | | | | | | | | |
| CXB3590@2500mA | 2500 | 36 | 39 | EVM110W-2500-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2500 | 105.0 | 30 | 37.8 | 42 |
| | | | | EVB100W-2500S-40 | 120-277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2500 | 100.0 | 30 | 38.8 | 40 |
| CXB3590@2700mA | 2700 | 36 | 39 | EVM120W-2700-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2700 | 113.4 | 30 | 37.8 | 42 |
| CXB3590@2800mA | 2800 | 36 | 39 | EVM120W-2800-42 | 120 to 277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 2800 | 117.6 | 30 | 37.8 | 42 |
| CXB3590@3000mA | 3000 | 36 | 39 | EVB120W-3000S-40 | 120-277 Vac, 87% eff., Ballast Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 3000 | 120.0 | 30 | 38.8 | 40 |
| | | | | EVM120W-3000-40 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 3000 | 120.0 | 30 | 37.8 | 40 |
| CXB3590 (72V): 1200mA (nominal current), 1800mA (max current) | | | | | | | | | | | | |
| CXB3590@1200mA | 1200 | 72 | 78 | EVM100W-1200-80 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 96.0 | 66 | 72 | 80 |

For additional options of output current and output voltage, contact your sales representative.

