

Nichia – ERP Cross Reference



| | Current (mA) | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|--|
| | 200 | 250 | 280 | 285 | 300 | 350 | 400 | 440 | 450 | 460 | 500 | 550 | 620 | 700 | 800 | 850 | 900 | 1000 | 1050 | 1200 | 1400 | 1600 | 1700 | 1750 | 1800 | |
| NSC*L036A | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | |
| NSB*L066A | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | |
| NSB*L121A | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | |
| NSC*J216A | | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | |
| NTC*S024B | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | |
| NFC*L036B | | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | |
| NFC*L060B | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | |
| NFC*J108B | | | | | | | | | | | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| NFD*J130B | | | | | | | | | | | | | | | | | | | | | | | | ✓ | | |

Nichia – ERP Cross Reference

| Nichia COB LED SPECIFICATION | | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|--|----------------------------|---------------------------|-------------------------------|---------------------------|------------------------------|---|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Nichia COB Product Name | Driver Output Current (mA) | Min Forward Voltage (VDC) | Typical Forward Voltage (VDC) | Max Forward Voltage (VDC) | ERP LED Driver Part Numbers | | Dimming Type | Dimming Range | Iout (mA) | Pout max (W) | Vout Min (Vdc) | Vout Nom (Vdc) | Vout Max (Vdc) |
| NSB*L036A: 160mA (typical current), 300mA (max current) | | | | | | | | | | | | | |
| 036A@200mA | 200 | 33 | 36.3 | 40 | EBR010U-0200-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 200 | 8.4 | 30 | 37.8 | 42 |
| | | | | | EBR010E-0200-42 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 200 | 8.4 | 30 | 37.8 | 42 |
| 036A@250mA | 250 | 33 | 36.3 | 40 | EBR010U-0250-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 250 | 10.5 | 30 | 37.8 | 42 |
| | | | | | EBR010E-0250-42 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 250 | 10.5 | 30 | 37.8 | 42 |
| | | | | | ESS010W-0250-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 250 | 10.5 | 24 | 37.8 | 42 |
| 036A@280mA | 280 | 33 | 36.3 | 40 | ESM020W-0280-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 280 | 11.8 | 24 | 37.8 | 42 |
| 036A@285mA | 285 | 33 | 36.3 | 40 | EBR015U-0285-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 285 | 12.0 | 30 | 37.8 | 42 |
| 036A@300mA | 300 | 33 | 36.3 | 40 | EBR015U-0300-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 300 | 12.6 | 30 | 37.8 | 42 |
| | | | | | EBR015E-0300-42 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 300 | 12.6 | 30 | 37.8 | 42 |
| | | | | | ESS015W-0300-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 300 | 12.6 | 24 | 37.8 | 42 |
| NSB*L066A: 320mA (typical current), 600mA (max current) | | | | | | | | | | | | | |
| 066A@350mA | 350 | 30 | 33.3 | 36 | 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 |
| | | | | | ESM020W-0350-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 350 | 14.7 | 24 | 37.8 | 42 |
| | | | | | ESS015W-0350-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 350 | 14.7 | 24 | 37.8 | 42 |
| 066A@400mA | 400 | 30 | 33.3 | 36 | 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 |
| 066A@440mA | 440 | 30 | 33.3 | 36 | EBR015U-0440-36 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 440 | 15.8 | 24 | 32.4 | 36 |
| | | | | | EBR015E-0440-36 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 440 | 15.8 | 24 | 32.4 | 36 |
| 066A@450mA | 450 | 30 | 33.3 | 36 | ESS020W-0450-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 450 | 18.9 | 24 | 37.8 | 42 |
| 066A@460mA | 460 | 30 | 33.3 | 36 | EBR020U-0460-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 460 | 19.3 | 30 | 37.8 | 42 |
| 066A@500mA | 500 | 30 | 33.3 | 36 | EBR020U-0500-37 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 500 | 18.5 | 25 | 33.3 | 37 |
| | | | | | EBR020E-0500-37 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 500 | 18.5 | 25 | 33.3 | 37 |
| | | | | | ESM030W-0500-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 |
| | | | | | ESS030W-0500-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 |
| 066A@550mA | 550 | 30 | 33.3 | 36 | 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 |



NCS*L036A



NSB*L066A

Nichia – ERP Cross Reference

| Nichia COB LED SPECIFICATION | | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | | |
|---|----------------------------|---------------------------|-------------------------------|---------------------------|------------------------------|---|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|--|
| Nichia COB Product Name | Driver Output Current (mA) | Min Forward Voltage (VDC) | Typical Forward Voltage (VDC) | Max Forward Voltage (VDC) | ERP LED Driver Part Numbers | | Dimming Type | Dimming Range | Iout (mA) | Pout max (W) | Vout Min (Vdc) | Vout Nom (Vdc) | Vout Max (Vdc) | |
| NSB*L121A: 587mA (typical current), 1100mA (max current) | | | | | | | | | | | | | | |
| 121A@620mA | 620 | 30 | 33.3 | 36 | ESS030W-0620-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 620 | 26.0 | 24 | 37.8 | 42 | |
| 121A@700mA | 700 | 30 | 33.3 | 36 | ERP030W-0700-38.5 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 700 | 27.0 | 29 | 35.8 | 38.5 | |
| | | | | | ESM030W-0700-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 29.4 | 24 | 37.8 | 42 | |
| 121A@800mA | 800 | 30 | 33.3 | 36 | 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 | |
| | | | | | ESM040W-0800-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 | |
| 121A@850mA | 850 | 30 | 33.3 | 36 | ESPO40W-0800-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 | |
| | | | | | ESM040W-0850-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 | |
| 121A@900mA | 900 | 30 | 33.3 | 36 | ESPO40W-0850-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 | |
| | | | | | ESM040W-0900-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 | |
| 121A@900mA | 900 | 30 | 33.3 | 36 | ESPO40W-0900-42 | 120-277 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 | |
| 121A@1050mA | 1050 | 30 | 33.3 | 36 | 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 | |
| | | | | | ESPO50W-1050-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1050 | 44.1 | 24 | 37.8 | 42 | |
| NCS*J216A: 960mA (typical current), 1800mA (max current) | | | | | | | | | | | | | | |
| 216A@1000mA | 1000 | 33 | 36.3 | 40 | ELM050W-1000-48 | 120 & 277 Vac, 84% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 10-100% | 1000 | 48.0 | 24 | 43.2 | 48 | |
| 216A@1050mA | 1050 | 33 | 36.3 | 40 | ERM050W-1050-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1050 | 44.1 | 32 | 37.8 | 42 | |
| | | | | | ESM050W-1050-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1050 | 44.1 | 24 | 37.8 | 42 | |
| | | | | | ESPO50W-1050-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1050 | 44.1 | 24 | 37.8 | 42 | |
| 216A@1200mA | 1200 | 33 | 36.3 | 40 | ERM050W-1200-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1200 | 50.4 | 32 | 37.8 | 42 | |
| | | | | | ESM050W-1200-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 | |
| | | | | | ESPO50W-1200-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 | |
| 216A@1400mA | 1400 | 33 | 36.3 | 40 | ERM060W-1400-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1400 | 58.8 | 32 | 37.8 | 42 | |
| | | | | | EVM060W-1400-42-COB | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 30 | 37.8 | 42 | |
| | | | | | ESPO60W-1400-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 24 | 37.8 | 42 | |
| 216A@1600mA | 1600 | 33 | 36.3 | 40 | ERM060W-1600-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1600 | 67.2 | 32 | 37.8 | 42 | |
| 216A@1750mA | 1750 | 33 | 36.3 | 40 | ERM060W-1750-40 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1750 | 70.0 | 30 | 36 | 40 | |
| 216A@1800mA | 1800 | 33 | 36.3 | 40 | 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 | |



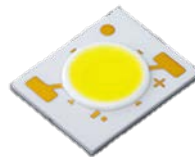
NSB*L121A



NCS*J216A

Nichia – ERP Cross Reference

| Nichia COB LED SPECIFICATION | | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|--|----------------------------|---------------------------|-------------------------------|---------------------------|------------------------------|---|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Nichia COB Product Name | Driver Output Current (mA) | Min Forward Voltage (VDC) | Typical Forward Voltage (VDC) | Max Forward Voltage (VDC) | ERP LED Driver Part Numbers | | Dimming Type | Dimming Range | Iout (mA) | Pout max (W) | Vout Min (Vdc) | Vout Nom (Vdc) | Vout Max (Vdc) |
| NTC*S024B: 135mA (typical current), 300mA (max current) | | | | | | | | | | | | | |
| 024B@200mA | 200 | 34 | 37 | 41 | 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 |
| 024B@250mA | 250 | 34 | 37 | 41 | EBR010U-0250-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 250 | 10.5 | 30 | 37.8 | 42 |
| | | | | | EBR010E-0250-42 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 250 | 10.5 | 30 | 37.8 | 42 |
| | | | | | ESS010W-0250-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 250 | 10.5 | 24 | 37.8 | 42 |
| 024B@280mA | 280 | 34 | 37 | 41 | ESM020W-0280-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 280 | 11.8 | 24 | 37.8 | 42 |
| 024B@285mA | 285 | 34 | 37 | 41 | EBR015U-0285-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 285 | 12.0 | 30 | 37.8 | 42 |
| 024B@300mA | 300 | 34 | 37 | 41 | EBR015U-0300-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 300 | 12.6 | 30 | 37.8 | 42 |
| | | | | | EBR015E-0300-42 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 300 | 12.6 | 30 | 37.8 | 42 |
| | | | | | ESS015W-0300-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 300 | 12.6 | 24 | 37.8 | 42 |
| NFC*L036B: 260mA (typical current), 540mA (max current) | | | | | | | | | | | | | |
| 036B@280mA | 280 | 33 | 36 | 40 | ESM020W-0280-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 280 | 11.76 | 24 | 37.8 | 42 |
| 036B@285mA | 285 | 33 | 36 | 40 | EBR015U-0285-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 285 | 12.0 | 30 | 37.8 | 42 |
| 036B@300mA | 300 | 33 | 36 | 40 | EBR015U-0300-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 300 | 12.6 | 30 | 37.8 | 42 |
| | | | | | EBR015E-0300-42 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 300 | 12.6 | 30 | 37.8 | 42 |
| | | | | | ESS015W-0300-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 300 | 12.6 | 24 | 37.8 | 42 |
| | | | | | EBR015U-0350-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 350 | 14.7 | 30 | 37.8 | 42 |
| 036B@350mA | 350 | 33 | 36 | 40 | 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 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 350 | 14.7 | 31.5 | 39 | 42 |
| | | | | | ESM020W-0350-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 350 | 14.7 | 24 | 37.8 | 42 |
| | | | | | ESS015W-0350-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 350 | 14.7 | 24 | 37.8 | 42 |
| | | | | | EBR020U-0400-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 400 | 16.8 | 30 | 37.8 | 42 |
| 036B@400mA | 400 | 33 | 36 | 40 | 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 |
| | | | | | ERPO20W-0450-42 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 450 | 18.9 | 31.5 | 39 | 42 |
| 036B@450mA | 450 | 33 | 36 | 40 | ESS020W-0450-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 450 | 18.9 | 24 | 37.8 | 42 |
| 036B@460mA | 460 | 33 | 36 | 40 | EBR020U-0460-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 460 | 19.3 | 30 | 37.8 | 42 |
| 036B@500mA | 500 | 33 | 36 | 40 | EBR020U-0500-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 500 | 21.0 | 30 | 37.8 | 42 |
| | | | | | EBR020E-0500-42 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 500 | 21.0 | 30 | 37.8 | 42 |
| | | | | | ESM030W-0500-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 |
| | | | | | ESS030W-0500-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 |



NTC*S024B



NFC*L036B

Nichia – ERP Cross Reference

| Nichia COB LED SPECIFICATION | | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|--|----------------------------|---------------------------|-------------------------------|---------------------------|------------------------------|---|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Nichia COB Product Name | Driver Output Current (mA) | Min Forward Voltage (VDC) | Typical Forward Voltage (VDC) | Max Forward Voltage (VDC) | ERP LED Driver Part Numbers | | Dimming Type | Dimming Range | Iout (mA) | Pout max (W) | Vout Min (Vdc) | Vout Nom (Vdc) | Vout Max (Vdc) |
| NFC*L060B: 460mA (typical current), 900mA (max current) | | | | | | | | | | | | | |
| 060B@460mA | 460 | 34 | 36.2 | 41 | EBR020U-0460-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 460 | 19.3 | 30 | 37.8 | 42 |
| 060B@500mA | 500 | 34 | 36.2 | 41 | EBR020U-0500-42 | 120 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 500 | 21.0 | 30 | 37.8 | 42 |
| | | | | | EBR020E-0500-42 | 220/230/240 Vac, 87% eff., Round Plastic Case | Forward/Reverse Phase | 1-100% | 500 | 21.0 | 30 | 37.8 | 42 |
| | | | | | ESM030W-0500-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 |
| | | | | | ESS030W-0500-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 500 | 21.0 | 24 | 37.8 | 42 |
| 060B@550mA | 550 | 34 | 36.2 | 41 | ERP030W-0550-42 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 550 | 23.1 | 31.5 | 39 | 42 |
| | | | | | ESM030W-0550-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 550 | 23.1 | 24 | 37.8 | 42 |
| 060B@620mA | 620 | 34 | 36.2 | 41 | 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 |
| | | | | | ESS030W-0620-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 620 | 26.0 | 24 | 37.8 | 42 |
| 060B@700mA | 700 | 34 | 36.2 | 41 | ERP030W-0700-42 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 700 | 29.4 | 31.5 | 39 | 42 |
| | | | | | ESM030W-0700-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 29.4 | 24 | 37.8 | 42 |
| | | | | | ESS030W-0700-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 700 | 29.4 | 24 | 37.8 | 42 |
| 060B@800mA | 800 | 34 | 36.2 | 41 | ERP040W-0800-42 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 800 | 33.6 | 31.5 | 39 | 42 |
| | | | | | ESM040W-0800-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 |
| | | | | | ESP040W-0800-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 800 | 33.6 | 24 | 37.8 | 42 |
| 060B@850mA | 850 | 34 | 36.2 | 41 | ERP040W-0850-42 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 850 | 35.7 | 31.5 | 39 | 42 |
| | | | | | ESM040W-0850-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 |
| | | | | | ESP040W-0850-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 850 | 35.7 | 24 | 37.8 | 42 |
| 060B@900mA | 900 | 34 | 36.2 | 41 | ERP040W-0900-42 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 |
| | | | | | ESM040W-0900-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 |
| | | | | | ESP040W-0900-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 |



NFC*L060B

Nichia – ERP Cross Reference

| Nichia COB LED SPECIFICATION | | | | | ERP LED DRIVER SPECIFICATION | | | | | | | | |
|--|----------------------------|---------------------------|-------------------------------|---------------------------|------------------------------|---|-------------------------------|---------------|-----------|--------------|----------------|----------------|----------------|
| Nichia COB Product Name | Driver Output Current (mA) | Min Forward Voltage (VDC) | Typical Forward Voltage (VDC) | Max Forward Voltage (VDC) | ERP LED Driver Part Numbers | | Dimming Type | Dimming Range | Iout (mA) | Pout max (W) | Vout Min (Vdc) | Vout Nom (Vdc) | Vout Max (Vdc) |
| NFC*J108B: 860mA (typical current), 1620mA (max current) | | | | | | | | | | | | | |
| 108B@900mA | 900 | 33 | 36.2 | 40 | ERP040W-0900-42 | 120-277 Vac, 90% eff., Rectangular Plastic Case | 0-10V | 10-100% | 900 | 37.8 | 31.5 | 39 | 42 |
| | | | | | ESM040W-0900-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 |
| | | | | | ESPO40W-0900-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 900 | 37.8 | 24 | 37.8 | 42 |
| 108B@1000mA | 1000 | 33 | 36.2 | 40 | ELM050W-1000-48 | 120 & 277 Vac, 84% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 10-100% | 1000 | 48.0 | 24 | 43.2 | 48 |
| 108B@1050mA | 1050 | 33 | 36.2 | 40 | ERM050W-1050-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1050 | 44.1 | 32 | 37.8 | 42 |
| | | | | | ESM050W-1050-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1050 | 44.1 | 24 | 37.8 | 42 |
| | | | | | ESPO50W-1050-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1050 | 44.1 | 24 | 37.8 | 42 |
| 108B@1200mA | 1200 | 33 | 36.2 | 40 | ERM050W-1200-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1200 | 50.4 | 32 | 37.8 | 42 |
| | | | | | ESM050W-1200-42 | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 |
| | | | | | ESPO50W-1200-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1200 | 50.4 | 24 | 37.8 | 42 |
| 108B@1400mA | 1400 | 33 | 36.2 | 40 | ERM060W-1400-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1400 | 58.8 | 32 | 37.8 | 42 |
| | | | | | EVM060W-1400-42-COB | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 30 | 37.8 | 42 |
| | | | | | ESPO60W-1400-42 | 120-277 Vac, 87% eff., Rectangular Plastic Case | Forward/Reverse Phase & 0-10V | 1-100% | 1400 | 58.8 | 24 | 37.8 | 42 |
| 108B@1600mA | 1600 | 33 | 36.2 | 40 | ERM060W-1600-42 | 120 & 277 Vac, 90% eff., Rectangular Metal Case | 0-10V | 10-100% | 1600 | 67.2 | 32 | 37.8 | 42 |
| NFD*J130B: 1150mA (typical current), 1800mA (max current) | | | | | | | | | | | | | |
| 130B@1700mA | 1700 | 37 | 40 | 44 | EVM090W-1700-48-N1B | 120-277 Vac, 87% eff., Rectangular Metal Case | Forward/Reverse Phase & 0-10V | 1-100% | 1700 | 81.6 | 37 | 43.2 | 48 |



NFC*J108B



NFD*J130B