

AVAGO High-Power LEDs



This product is RoHS compliant.



LED Lighting

SURFACE MOUNT POWER LEDs

| MOUSER STOCK NO. | Avago Part No. | Fig. | Color | CCT (K) | CRI Typ. | Luminous Flux (lm) ^{1,2} | | | Current (mA) | Price Each | | | |
|---------------------|-----------------|------|------------|---------|----------|---|------|------|--------------|------------|------|-----|-----|
| | | | | | | Min. | Typ. | Max. | | 1 | 25 | 100 | 500 |
| | | | | | | For quantities greater than listed, call for quote. | | | | | | | |
| 630-ASMT-QYBG-NEGJE | ASMT-QYBG-NEGJE | A | Warm White | 2700 | 75 | 39.8 | 41.8 | 56.8 | 150 | 1.58 | 1.08 | .96 | .82 |
| 630-ASMT-QYBG-NEGHE | ASMT-QYBG-NEGHE | A | Warm White | 3000 | 75 | 39.8 | 41.8 | 56.8 | 150 | 1.58 | 1.08 | .96 | .82 |
| 630-ASMT-QYBG-NEGGE | ASMT-QYBG-NEGGE | A | Warm White | 3500 | 75 | 39.8 | 41.8 | 56.8 | 150 | 1.58 | 1.08 | .96 | .82 |
| 630-ASMT-QWBH-NGJFE | ASMT-QWBH-NGJFE | A | Cool White | 4000 | 75 | 51.7 | 54.3 | 67.2 | 150 | 1.52 | 1.04 | .92 | .78 |
| 630-ASMT-QWBG-NFHFE | ASMT-QWBG-NFHFE | A | Cool White | 4000 | 85 | 45.7 | 48.0 | 62.0 | 150 | 1.58 | 1.08 | .96 | .82 |
| 630-ASMT-QWBH-NGJEE | ASMT-QWBH-NGJEE | A | Cool White | 4500 | 75 | 51.7 | 54.3 | 67.2 | 150 | 1.52 | 1.04 | .92 | .78 |
| 630-ASMT-QWBG-NFHEE | ASMT-QWBG-NFHEE | A | Cool White | 4500 | 85 | 45.7 | 48.0 | 62.0 | 150 | 1.58 | 1.08 | .96 | .82 |
| 630-ASMT-QWBH-NGJDE | ASMT-QWBH-NGJDE | A | Cool White | 5000 | 75 | 51.7 | 54.3 | 67.2 | 150 | 1.52 | 1.04 | .92 | .78 |

HALF WATT POWER LEDs

| MOUSER STOCK NO. | Avago Part No. | Fig. | Color | Wave-length (nm) | Luminous Flux (lm) | Power (W) | Voltage (VDC) | Current (mA) | Price Each | | | |
|---------------------|-----------------|------|------------|------------------|--------------------|-----------|---------------|--------------|---|------|------|------|
| | | | | | | | | | 1 | 25 | 100 | 500 |
| | | | | | | | | | For quantities greater than listed, call for quote. | | | |
| 630-ASMT-QRBD-AEF0E | ASMT-QRBD-AEF0E | B | Red | 621 | 16.5 | 0.5 | 2.5 | 150 | 1.09 | .70 | .62 | .54 |
| 630-ASMT-QHB2-FFEOE | ASMT-QHB2-FFEOE | B | Red-Orange | 617 | 19.5 | 0.5 | 2.7 | 150 | .88 | .56 | .50 | .44 |
| 630-ASMT-QHBD-AFH0E | ASMT-QHBD-AFH0E | B | Red-Orange | 616 | 17.5 | 0.5 | 2.5 | 150 | 1.09 | .70 | .62 | .54 |
| 630-ASMT-QAB2-FDE0E | ASMT-QAB2-FDE0E | B | Amber | 594 | 15 | 0.5 | 2.7 | 150 | .88 | .56 | .50 | .44 |
| 630-ASMT-QABD-AEF0E | ASMT-QABD-AEF0E | B | Amber | 593 | 16.5 | 0.5 | 2.3 | 150 | 1.09 | .70 | .62 | .54 |
| 630-ASMT-QGBE-NFH0E | ASMT-QGBE-NFH0E | B | Green | 522 | 33 | 0.5 | 3.6 | 150 | 1.98 | 1.32 | 1.19 | 1.12 |
| 630-ASMT-QBBE-N0B0E | ASMT-QBBE-N0B0E | B | Blue | 464 | 7 | 0.5 | 3.6 | 150 | 1.80 | 1.20 | 1.08 | 1.02 |
| 630-ASMT-QBBC-NAC0E | ASMT-QBBC-NAC0E | B | Blue | 464 | 7 | 0.5 | 3.4 | 150 | 1.65 | 1.10 | .99 | .94 |
| 630-ASMT-QYBC-NHJ0E | ASMT-QYBC-NHJ0E | B | Warm White | --- | 31 | 0.5 | 3.4 | 150 | 1.62 | 1.08 | .97 | .92 |
| 630-ASMT-QWBC-NHJ0E | ASMT-QWBC-NHJ0E | B | Cool White | --- | 30 | 0.5 | 3.4 | 150 | 1.75 | 1.13 | 1.00 | .88 |
| 630-ASMT-QWBC-NJK0E | ASMT-QWBC-NJK0E | B | Cool White | --- | 38 | 0.5 | 3.4 | 150 | 1.62 | 1.08 | .97 | .92 |

MINI HIGH POWER LEDs

| 1 Watt Rating | MOUSER STOCK NO. | Avago Part No. | Fig. | Color | Wave-length (nm) | Luminous Flux (lm) | Power (W) | Voltage (VDC) | Current (mA) | Price Each | | | |
|---------------------|------------------|----------------|---------------|-------|------------------|--------------------|-----------|---------------|--------------|---|------|------|-----|
| | | | | | | | | | | 1 | 25 | 100 | 500 |
| | | | | | | | | | | For quantities greater than listed, call for quote. | | | |
| 630-ASMT-JR10-ARS01 | ASMT-JR10-ARS01 | C | Red | 625 | 67.2 | 1 | 2.4 | 350 | 2.93 | 2.05 | 1.93 | 1.76 | |
| 630-ASMT-JA10-ARS01 | ASMT-JA10-ARS01 | C | Amber | 590 | 67.2 | 1 | 2.4 | 350 | 2.93 | 2.05 | 1.93 | 1.76 | |
| 630-ASMT-JG11-NST01 | ASMT-JG11-NST01 | C | Green | 525 | 87.4 | 1 | 3.5 | 350 | 3.60 | 2.52 | 2.38 | 2.16 | |
| 630-ASMT-JC11-NST01 | ASMT-JC11-NST01 | C | Cyan | 497 | 58 | 1 | 3.4 | 500 | 3.58 | 2.79 | 2.62 | 2.39 | |
| 630-ASMT-JB11-NMP01 | ASMT-JB11-NMP01 | C | Blue | 470 | 16 | 1 | 3.4 | 350 | 3.18 | 2.22 | 2.10 | 1.91 | |
| 630-ASMT-JY11-NSU01 | ASMT-JY11-NSU01 | C | Warm White | --- | 78 | 1 | 3.4 | 350 | 3.40 | 2.38 | 2.24 | 2.04 | |
| 630-ASMT-JN11-NTV01 | ASMT-JN11-NTV01 | C | Neutral White | --- | 90 | 1 | 3.4 | 350 | 3.35 | 2.35 | 2.21 | 2.01 | |
| 630-ASMT-JW11-NTV01 | ASMT-JW11-NTV01 | C | Cool White | --- | 90 | 1 | 3.4 | 350 | 3.35 | 2.35 | 2.21 | 2.01 | |
| 3 Watt Rating | | | | | | | | | | | | | |
| 630-ASMT-JR30-ARS01 | ASMT-JR30-ARS01 | C | Red | 625 | 67.2 | 3 | 2.4 | 700 | 3.00 | 2.10 | 1.98 | 1.80 | |
| 630-ASMT-JH30-ARS01 | ASMT-JH30-ARS01 | C | Red-Orange | 615 | 67.2 | 3 | 2.4 | 700 | 3.00 | 2.10 | 1.98 | 1.80 | |
| 630-ASMT-JA30-ARS01 | ASMT-JA30-ARS01 | C | Amber | 590 | 67.2 | 3 | 2.4 | 700 | 3.00 | 2.10 | 1.98 | 1.80 | |
| 630-ASMT-JG31-NTU01 | ASMT-JG31-NTU01 | C | Green | 525 | 125 | 3 | 3.6 | 700 | 3.90 | 3.03 | 2.85 | 2.60 | |
| 630-ASMT-JB31-NMP01 | ASMT-JB31-NMP01 | C | Blue | 470 | 30.6 | 3 | 3.6 | 700 | 3.35 | 2.35 | 2.21 | 2.01 | |
| 630-ASMT-JL31-NPQ01 | ASMT-JL31-NPQ01 | C | Royal Blue | 455 | 740mW | 3 | 3.6 | 700 | 3.35 | 2.35 | 2.21 | 2.01 | |
| 630-ASMT-JY31-NSU01 | ASMT-JY31-NSU01 | C | Warm White | --- | 120 | 3 | 3.6 | 700 | 3.50 | 2.45 | 2.31 | 2.10 | |
| 630-ASMT-JY31-NTU01 | ASMT-JY31-NTU01 | C | Warm White | --- | 120 | 3 | 3.6 | 700 | 3.78 | 2.64 | 2.49 | 2.27 | |
| 630-ASMT-JY31-NTUJ1 | ASMT-JY31-NTUJ1 | C | Warm White | --- | 120 | 3 | 3.6 | 700 | 4.00 | 2.80 | 2.64 | 2.40 | |
| 630-ASMT-JY32-NTVH1 | ASMT-JY32-NTVH1 | C | Warm White | --- | 140 | 3 | 3.6 | 700 | 4.80 | 3.37 | 3.17 | 2.88 | |
| 630-ASMT-JY32-NTVK1 | ASMT-JY32-NTVK1 | C | Warm White | --- | 170 | 3 | 3.6 | 700 | 4.80 | 3.37 | 3.17 | 2.88 | |
| 630-ASMT-JY33-NSTJ1 | ASMT-JY33-NSTJ1 | C | Warm White | --- | 107 | 3 | 3.6 | 700 | 4.70 | 3.29 | 3.10 | 2.82 | |
| 630-ASMT-JY33-NQS01 | ASMT-JY33-NQS01 | C | Warm White | --- | 80 | 3 | 3.6 | 700 | 4.40 | 3.08 | 2.90 | 2.64 | |
| 630-ASMT-JN31-NTV01 | ASMT-JN31-NTV01 | C | Neutral White | --- | 113.6 | 3 | 3.6 | 700 | 3.50 | 2.45 | 2.31 | 2.10 | |
| 630-ASMT-JN32-NUV01 | ASMT-JN32-NUV01 | C | Neutral White | --- | 160 | 3 | 3.6 | 700 | 4.15 | 2.91 | 2.74 | 2.49 | |
| 630-ASMT-JN33-NSU01 | ASMT-JN33-NSU01 | C | Neutral White | --- | 125 | 3 | 3.6 | 700 | 4.40 | 3.08 | 2.90 | 2.64 | |
| 630-ASMT-JN32-NVVG1 | ASMT-JN32-NVVG1 | C | Neutral White | --- | 180 | 3 | 3.6 | 700 | 5.25 | 3.68 | 3.47 | 3.15 | |
| 630-ASMT-JN32-NVVH1 | ASMT-JN32-NVVH1 | C | Neutral White | --- | 180 | 3 | 3.6 | 700 | 5.25 | 3.68 | 3.47 | 3.15 | |
| 630-ASMT-JW31-NUV01 | ASMT-JW31-NUV01 | C | Cool White | --- | 160 | 3 | 3.6 | 700 | 3.88 | 2.71 | 2.56 | 2.33 | |
| 630-ASMT-JW31-NUVH1 | ASMT-JW31-NUVH1 | C | Cool White | --- | 160 | 3 | 3.6 | 700 | 4.18 | 2.92 | 2.76 | 2.51 | |
| 630-ASMT-JW31-NUVJ1 | ASMT-JW31-NUVJ1 | C | Cool White | --- | 160 | 3 | 3.6 | 700 | 4.18 | 2.92 | 2.76 | 2.51 | |
| 630-ASMT-JW32-NUV01 | ASMT-JW32-NUV01 | C | Cool White | --- | 175 | 3 | 3.6 | 700 | 4.15 | 2.91 | 2.74 | 2.49 | |
| 630-ASMT-JW33-NSU01 | ASMT-JW33-NSU01 | C | Cool White | --- | 125 | 3 | 3.6 | 700 | 4.40 | 3.08 | 2.90 | 2.64 | |
| 630-ASMT-JW32-NVVH1 | ASMT-JW32-NVVH1 | C | Cool White | --- | 180 | 3 | 3.6 | 700 | 5.25 | 3.68 | 3.47 | 3.15 | |
| 630-ASMT-JW32-NVJV1 | ASMT-JW32-NVJV1 | C | Cool White | --- | 180 | 3 | 3.6 | 700 | 5.25 | 3.68 | 3.47 | 3.15 | |
| 630-ASMT-JW32-NVVK1 | ASMT-JW32-NVVK1 | C | Cool White | --- | 180 | 3 | 3.6 | 700 | 5.25 | 3.68 | 3.47 | 3.15 | |

HIGH POWER LEDs

| MOUSER STOCK NO. | Avago Part No. | Fig. | Color | Wave-length (nm) | Luminous Flux (lm) | Power (W) | Voltage (VDC) | Current (mA) | Price Each | | | |
|---------------------|-----------------|------|---------------|------------------|--------------------|-----------|---------------|--------------|---|------|------|------|
| | | | | | | | | | 1 | 25 | 100 | 500 |
| | | | | | | | | | For quantities greater than listed, call for quote. | | | |
| 630-ASMT-AR00-ARS00 | ASMT-AR00-ARS00 | D | Red | 625 | 50.0 | 1.0 | 2.1 | 350 | 3.23 | 2.26 | 2.13 | 1.94 |
| 630-ASMT-AH00-ARS00 | ASMT-AH00-ARS00 | D | Red-Orange | 615 | 50.0 | 1.0 | 2.1 | 350 | 3.23 | 2.26 | 2.13 | 1.94 |
| 630-ASMT-AA00-ARS00 | ASMT-AA00-ARS00 | D | Amber | 590 | 50.0 | 1.0 | 2.1 | 350 | 3.23 | 2.26 | 2.13 | 1.94 |
| 630-ASMT-AG00-NST00 | ASMT-AG00-NST00 | D | Green | 525 | 65 | 1 | 3.2 | 350 | 4.00 | 2.80 | 2.64 | 2.40 |
| 630-ASMT-AC00-NST00 | ASMT-AC00-NST00 | D | Cyan | 497 | 58 | 1 | 3.4 | 500 | 4.33 | 3.03 | 2.86 | 2.60 |
| 630-ASMT-AL00-NMP00 | ASMT-AL00-NMP00 | D | Royal Blue | 455 | 350mW | 1 | 3.2 | 350 | 3.55 | 2.49 | 2.34 | 2.13 |
| 630-ASMT-AY00-NST00 | ASMT-AY00-NST00 | D | Warm White | --- | 65 | 1 | 3.2 | 350 | 3.63 | 2.54 | 2.39 | 2.18 |
| 630-ASMT-AN00-NTU00 | ASMT-AN00-NTU00 | D | Neutral White | --- | 80 | 1 | 3.2 | 350 | 3.88 | 2.71 | 2.56 | 2.33 |
| 630-ASMT-AW00-NTU00 | ASMT-AW00-NTU00 | D | Cool White | --- | 80 | 1 | 3.2 | 350 | 3.63 | 2.54 | 2.39 | 2.18 |
| 3 Watt Rating | | | | | | | | | | | | |
| 630-ASMT-AR30-ARS00 | ASMT-AR30-ARS00 | D | Red | 625 | 94.0 | 3.0 | 2.4 | 700 | 4.15 | 2.91 | 2.74 | 2.49 |
| 630-ASMT-AH30-ARS00 | ASMT-AH30-ARS00 | D | Red-Orange | 615 | 94.0 | 3.0 | 2.4 | 700 | 4.15 | 2.91 | 2.74 | 2.49 |
| 630-ASMT-AG31-NTU00 | ASMT-AG31-NTU00 | D | Green | 525 | 125.0 | 3.0 | 3.6 | 700 | 4.73 | 3.31 | 3.12 | 2.84 |
| 630-ASMT-AA30-ARS00 | ASMT-AA30-ARS00 | D | Amber | 590 | 90 | 3 | 2.4 | 700 | 4.15 | 2.91 | 2.74 | 2.49 |
| 630-ASMT-AB31-NMP00 | ASMT-AB31-NMP00 | D | Blue | 470 | 30 | 3 | 3.6 | 700 | 5.15 | 3.61 | 3.40 | 3.09 |
| 630-ASMT-AL31-NPQ00 | ASMT-AL31-NPQ00 | D | Royal Blue | 455 | 760mW | 3 | 3.6 | 700 | 5.15 | 3.61 | 3.40 | 3.09 |
| 630-ASMT-AY31-NTU00 | ASMT-AY31-NTU00 | D | Warm White | --- | 140 | 3 | 3.6 | 700 | 5.43 | 3.80 | 3.58 | 3.26 |
| 630-ASMT-AY31-NTU01 | ASMT-AY31-NTU01 | D | Warm White | --- | 140.0 | 3.0 | 3.6 | 700 | 5.23 | 3.66 | 3.45 | 3.14 |
| 630-ASMT-AN31-NUV00 | ASMT-AN31-NUV00 | D | Neutral White | --- | 175 | 3 | 3.6 | 700 | 5.43 | 3.80 | 3.58 | 3.26 |
| 630-ASMT-AW31-NUV00 | ASMT-AW31-NUV00 | D | Cool White | --- | 175 | 3 | 3.6 | 700 | 5.43 | 3.80 | 3.58 | 3.26 |
| 630-ASMT-AW31-NUV01 | ASMT-AW31-NUV01 | D | Cool White | --- | 175.0 | 3.0 | 3.6 | 700 | 5.23 | 3.66 | 3.45 | 3.14 |

3 WATT TRICOLOR HIGH POWER LED

| MOUSER STOCK NO. | Avago Part No. | Fig. | Color | Wave-length (nm) | Luminous Flux (lm) | Power (W) | Voltage (VDC) | Current (mA) | Price Each | | | |
|---------------------|-----------------|------|----------------|------------------|--------------------|-----------|---------------|--------------|---|-------|------|------|
| | | | | | | | | | 1 | 25 | 100 | 500 |
| | | | | | | | | | For quantities greater than listed, call for quote. | | | |
| 630-ASMT-MT00-00001 | ASMT-MT00-00001 | E | Red/Green/Blue | 625/527/470 | 56/73/19.5 | 3 | 2.4/3.5/3.5 | 350 | 15.00 | 10.50 | 9.90 | 9.00 |

