

### **Virtual Patents Marking Lists Update**

- These products are covered by the respective patents listed below.

(<http://www.seoulsemicon.com/en/technology/legal/>)

| <b>LED Light Bar Customized Modules™<br/>Products</b> |           |           |
|---|-----------|-----------|
| US6007209   | US8049229 | US8963183 |
| US6473554   | US8054002 | US8987772 |
| US6647199   | US8067778 | US9006084 |
| US7674019   | US8076688 | US9012952 |
| US7748873   | US8089074 | US9018669 |
| US7901113   | US8093583 | US9024339 |
| US8360592   | US8129917 | US9024345 |
| US8602605   | US8168988 | US9030110 |
| US8992053   | US8173459 | US9041032 |
| US9255695   | US8183072 | US9041037 |
| US9022618   | US8183592 | US9059012 |
| US9484510   | US8188489 | US9076896 |
| US9121555   | US8188687 | US9082933 |
| US9507204   | US8189635 | US9093595 |
| US7964943   | US8198643 | US9093617 |
| US8120054   | US8232562 | US9093627 |
| US8138512   | US8232565 | US9111840 |
| US8319248   | US8247244 | US9112102 |
| US8558270   | US8247792 | US9123866 |
| US8659050   | US8269228 | US9153745 |
| US8692282   | US8274089 | US9171986 |
| US8823041   | US8283682 | US9202968 |
| US8829552   | US8294171 | US9202973 |
| US8860068   | US8294386 | US9218967 |
| US8994061   | US8299476 | US9236532 |
| US8963196   | US8309971 | US9240524 |
| US9412924   | US8314440 | US9252012 |
| US9172020   | US8323999 | US9252326 |
| US9147821   | US8330173 | US9263255 |
| US9224935   | US8338836 | US9263658 |
| US6007209   | US8339059 | US9269745 |
| US6473554   | US8350276 | US9269867 |
| US7906789   | US8350279 | US9269871 |
| US9203006   | US8354680 | US9287367 |
| US8168988   | US8373188 | US9287462 |
| US9450155   | US8383433 | US9293660 |
| US8357924   | US8384098 | US9293676 |
| US9059359   | US8390002 | US9299779 |
| US9136427   | US8395332 | US9318529 |
| US9142622   | US8436369 | US9318530 |
| US9166092   | US8470626 | US9324919 |
| US9166093   | US8470697 | US9324921 |
| US9171976   | US8476661 | US9343627 |
| US9224913   | US8492775 | US9343644 |
| US9312447   | US8507923 | US9349912 |
| US9496455   | US8525212 | US9356167 |
| US9520533   | US8525220 | US9356187 |

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| US7626209 | US8541806 | US9356212 |
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| US7667225 | US8582980 | US9368548 |
| US7682953 | US8598598 | US9373496 |
| US7723736 | US8598775 | US9397264 |
| US7732825 | US8614458 | US9397269 |
| US7760784 | US8624287 | US9401456 |
| US7763900 | US8624291 | US9412922 |
| US7772588 | US8626622 | US9419180 |
| US7772600 | US8629471 | US9445462 |
| US7772601 | US8633503 | US9449815 |
| US7804098 | US8643029 | US9450141 |
| US7816700 | US8664638 | US9450153 |
| US7821022 | US8664693 | US9450159 |
| US7834364 | US8680559 | US9461091 |
| US7842959 | US8697551 | US9461212 |
| US7863599 | US8716046 | US9466761 |
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| US7871839 | US8716727 | US9490403 |
| US7875470 | US8742449 | US9515121 |
| US7880181 | US8810124 | US9520534 |
| US7880183 | US8866417 | US9520536 |
| US7897981 | US8872419 | US9520543 |
| US7901964 | US8878220 | US9520546 |
| US7915147 | US8895329 | US9536924 |
| US7947993 | US8896011 | US9537045 |
| US7951626 | US8896216 | US9543476 |
| US7951630 | US8901575 | US9543488 |
| US7964478 | US8906159 | US9548425 |
| US7964880 | US8907360 | US7982207 |
| US7977691 | US8912551 | US6610606 |
| US7982210 | US8946744 | US6942731 |
| US7994539 | US8952397 | US8084774 |
| US7999271 | US8957426 | US9716210 |
| US8039280 | US8963178 | US7497973 |
| US7847309 | US7358542 | US7453195 |
| US7648649 | US7618162 | US8132952 |
| US8608328 | US9530947 | US9799800 |

**Acrich MJT™**

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| US8120054 | US7906789 | US7998761 |
| US8138512 | US9203006 | US8476648 |
| US8319248 | US8168988 | US8481352 |
| US8558270 | US9450155 | US8704246 |
| US8659050 | US8860331 | US8716946 |
| US8829552 | US8357924 | US8895957 |
| US8860068 | US9059359 | US9209223 |
| US8664635 | US9136427 | US9343631 |
| US7361940 | US9142622 | US9379282 |
| US7737463 | US9166092 | US6942731 |
| US7855395 | US9166093 | US9093627 |
| US7994526 | US9171976 | US9577157 |
| US8159000 | US9224913 | US9680060 |
| US8283693 | US9312447 | US9634061 |
| US8445933 | US9496455 | US9627435 |
| US8482023 | US9520533 | US7709849 |
| US8610138 | US7700960 | US7572653 |
| US8138512 | US7723737 | US9716210 |
| US7847309 | US7358542 | US7453195 |
| US7497973 | US7648649 | US8680533 |
| US7646031 | US9799800 |           |

**Acrich2™, 3™**

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| US8188687 | US8093583 | US9018669 |
| US8222825 | US8129917 | US9024339 |
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| US8368190 | US8173459 | US9030110 |
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| US8461770 | US8183592 | US9041037 |
| US8513899 | US8188489 | US9059012 |
| US8552656 | US8188687 | US9076896 |
| US8716946 | US8189635 | US9082933 |
| US8860331 | US8198643 | US9093595 |
| US8866417 | US8232562 | US9093617 |
| US8896216 | US8232565 | US9093627 |
| US7964943 | US8247244 | US9111840 |
| US8120054 | US8247792 | US9112102 |
| US8138512 | US8269228 | US9123866 |
| US8319248 | US8274089 | US9153745 |
| US8558270 | US8283682 | US9171986 |
| US8659050 | US8294171 | US9202968 |
| US8829552 | US8294386 | US9202973 |
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| US9030110 | US8309971 | US9236532 |
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| US9520533 | US8525220 | US9356167 |
| US7572653 | US8536612 | US9356187 |
| US7626209 | US8541806 | US9356198 |
| US7638414 | US8575637 | US9356212 |
| US7667225 | US8582980 | US9362458 |

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|-----------|-----------|-----------|
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| US7723736 | US8598775 | US9373496 |
| US7732825 | US8614458 | US9397264 |
| US7760784 | US8624287 | US9397269 |
| US7763900 | US8624291 | US9401456 |
| US7772588 | US8626622 | US9412922 |
| US7772600 | US8629471 | US9419180 |
| US7772601 | US8633503 | US9445462 |
| US7804098 | US8643029 | US9449815 |
| US7816700 | US8664638 | US9450141 |
| US7821022 | US8664693 | US9450153 |
| US7834364 | US8680559 | US9450159 |
| US7842959 | US8697551 | US9461091 |
| US7863599 | US8716046 | US9461212 |
| US7868337 | US8716048 | US9466761 |
| US7871839 | US8716727 | US9478690 |
| US7875470 | US8742449 | US9490403 |
| US7880181 | US8810124 | US9515121 |
| US7880183 | US8866417 | US9520534 |
| US7897981 | US8872419 | US9520536 |
| US7901964 | US8878220 | US9520543 |
| US7915147 | US8895329 | US9520546 |
| US7947993 | US8896011 | US9536924 |
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| US7951630 | US8901575 | US9543476 |
| US7964478 | US8906159 | US9543488 |
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| US7977691 | US8912551 | US7982207 |
| US7982210 | US8946744 | US6610606 |
| US7994539 | US8952397 | US6942731 |
| US7999271 | US8957426 | US8084774 |
| US8039280 | US8963178 | US9716210 |
| US8049229 | US9799800 |           |

**Z Power LED™**

|           |           |           |
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| US7361940 | US8129207 | US8860070 |
| US7737463 | US8129848 | US8860183 |
| US7855395 | US8143640 | US8916898 |
| US7994526 | US8153509 | US8921885 |
| US8159000 | US8183075 | US8993997 |
| US8283693 | US8211724 | US9012924 |
| US8445933 | US8227272 | US9018027 |
| US8482023 | US8232571 | US9029888 |
| US8610138 | US8242530 | US9030090 |
| US8664635 | US8258533 | US9041038 |
| US9236549 | US8263997 | US9048086 |
| US9293677 | US8274094 | US9048348 |
| US9070851 | US8283687 | US9059015 |
| US9059381 | US8288781 | US9099609 |
| US9112121 | US8294170 | US9136432 |
| US9419186 | US8294183 | US9142715 |
| US7906789 | US8324650 | US9153737 |
| US8357924 | US8329488 | US9159870 |
| US9059359 | US8362510 | US9196796 |
| US9136427 | US8395166 | US9202685 |
| US9142622 | US8410506 | US9202984 |
| US9166092 | US8436389 | US9209358 |
| US9166093 | US8481411 | US9219198 |
| US9171976 | US8546819 | US9224917 |
| US9224913 | US8552455 | US9231169 |
| US9312447 | US8564134 | US9236533 |
| US9496455 | US8575594 | US9281446 |
| US9520533 | US8592232 | US9306120 |
| US7838891 | US8609449 | US9337175 |
| US7859109 | US8618565 | US9356191 |
| US7964884 | US8624159 | US9362449 |
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| US7999279 | US8629474 | US9431377 |
| US8008101 | US8648369 | US9455378 |
| US8026119 | US8648380 | US9508909 |
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| US8039861 | US8748864 | US9530939 |
| US8053789 | US8772805 | US6942731 |
| US8093618 | US8791483 | US9716210 |
| US8766296 | US7704763 | US9799800 |

**Top View LED™**

|           |           |           |
|-----------|-----------|-----------|
| US7964943 | US8188489 | US9024339 |
| US8120054 | US8188687 | US9024345 |
| US8138512 | US8189635 | US9030110 |
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| US8692282 | US8247244 | US9076896 |
| US8823041 | US8247792 | US9082933 |
| US8829552 | US8269228 | US9093595 |
| US8860068 | US8274089 | US9093617 |
| US9147821 | US8283682 | US9093627 |
| US8994061 | US8294171 | US9111840 |
| US8963196 | US8294386 | US9112102 |
| US9412924 | US8299476 | US9123866 |
| US9172020 | US8309971 | US9153745 |
| US9224935 | US8314440 | US9171986 |
| US7906789 | US8323999 | US9202968 |
| US9203006 | US8330173 | US9202973 |
| US9450155 | US8338836 | US9218967 |
| US8860331 | US8339059 | US9236532 |
| US8357924 | US8350276 | US9240524 |
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| US9136427 | US8354680 | US9252326 |
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| US9171976 | US8390002 | US9269867 |
| US9224913 | US8395332 | US9269871 |
| US9312447 | US8436369 | US9287367 |
| US9496455 | US8470626 | US9287462 |
| US9520533 | US8470697 | US9293660 |
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| US8093583 | US8963183 | US7982207 |
| US8129917 | US8987772 | US6610606 |
| US8168988 | US9006084 | US6942731 |
| US8173459 | US9012952 | US8084774 |
| US8183072 | US9018669 | US9716210 |
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| US7358542 | US7453195 | US7648649 |
| US8058662 | US9799800 |           |



**Side View LED™**

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| US7935982 | US8269228 | US9059012 |
| US7999280 | US8274089 | US9076896 |
| US8129740 | US8283682 | US9082933 |
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| US8373180 | US8294386 | US9093617 |
| US9224935 | US8299476 | US9093627 |
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| US9136427 | US8338836 | US9171986 |
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| US7863599 | US8624291 | US9356187 |
| US7868337 | US8626622 | US9356198 |
| US7871839 | US8629471 | US9356212 |
| US7875470 | US8633503 | US9362458 |
| US7880181 | US8643029 | US9368548 |
| US7880183 | US8664638 | US9373496 |
| US7897981 | US8664693 | US9397264 |
| US7901964 | US8680559 | US9397269 |
| US7915147 | US8697551 | US9401456 |
| US7947993 | US8716046 | US9412922 |
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| US7951630 | US8716727 | US9445462 |

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| US7964880 | US8810124 | US9450141 |
| US7977691 | US8866417 | US9450153 |
| US7982210 | US8872419 | US9450159 |
| US7994539 | US8878220 | US9461091 |
| US7999271 | US8895329 | US9461212 |
| US8039280 | US8896011 | US9466761 |
| US8049229 | US8896216 | US9478690 |
| US8054002 | US8901575 | US9490403 |
| US8067778 | US8906159 | US9515121 |
| US8076688 | US8907360 | US9520534 |
| US8089074 | US8912551 | US9520536 |
| US8093583 | US8946744 | US9520543 |
| US8129917 | US8952397 | US9520546 |
| US8168988 | US8957426 | US9536924 |
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| US8183072 | US8963183 | US9543476 |
| US8183592 | US8987772 | US9543488 |
| US8188489 | US9006084 | US9548425 |
| US8188687 | US9012952 | US7982207 |
| US8189635 | US9018669 | US6610606 |
| US8198643 | US9024339 | US6942731 |
| US8232562 | US9024345 | US8084774 |
| US8232565 | US9030110 | US9716210 |
| US7358542 | US7453195 | US7648649 |
| US7497973 | US7847309 | US9799800 |

**ZC(Chip On Board)™**

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| US7838891 | US8247792 | US9041037 |
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| US8183592 | US8283682 | US9082933 |
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| US8536612 | US8294386 | US9093617 |
| US8643029 | US8299476 | US9093627 |
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| US7667225 | US8476661 | US9287367 |
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| US7723736 | US8507923 | US9293660 |
| US7732825 | US8525212 | US9293676 |
| US7760784 | US8525220 | US9299779 |
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