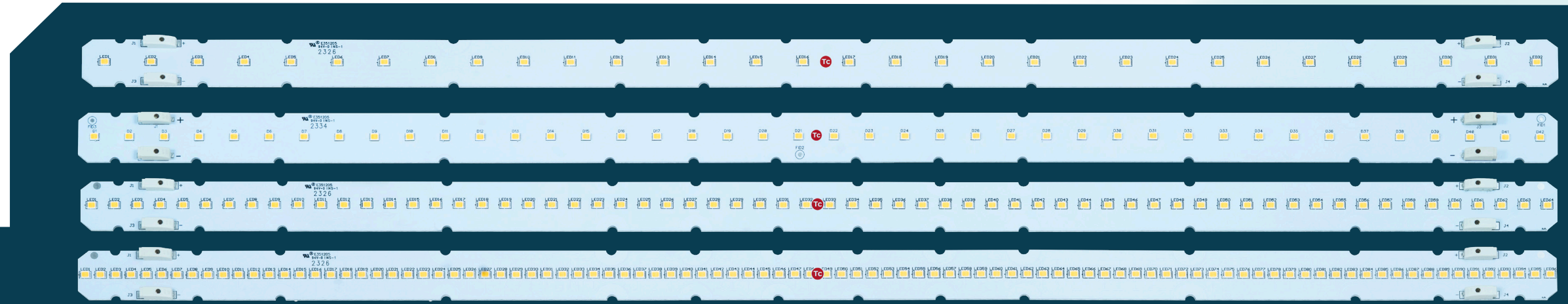




OFF-THE-SHELF LED MODULE PRODUCT GUIDE

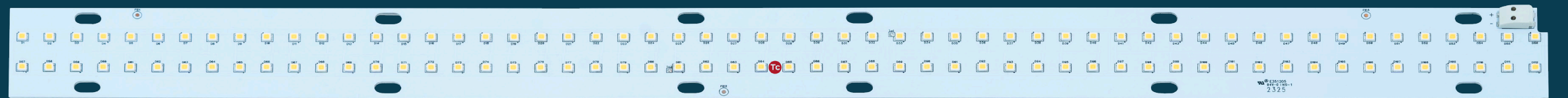

 Manufactured in the USA
 as a component for BABA
 & Buy American compliant
 LED luminaires.

Key:
 Tc location



LINEAR LED MODULES

| Model Number | Module Voltage | Module Current | Module Power | Module Description | Color Temp. | CRI | Lumen Output* | Efficacy (LPW) |
|-----------------|---------------------------|----------------------------|----------------------------|--------------------------------------|-------------|-----|------------------------|--------------------|
| LE32C-4080*M-22 | 46.4 V. Nom / 48.8 V Max | 300 mA Typ. / 400 mA Max | 13.92 W Typ. / 19.52 W Max | 22.0" x 0.79" Linear Module, 32 LEDs | 4000K | 80 | 2,510 Typ. / 3,247 Max | 175 Typ. / 166 Max |
| LE42C-4080*M-22 | 41.72 V. Nom / 42.7 V Max | 450 mA Typ. / 600 mA Max | 18.77 W Typ. / 25.62 W Max | 22.0" x 0.79" Linear Module, 42 LEDs | 4000K | 80 | 3,295 Typ. / 4,262 Max | 175 Typ. / 166 Max |
| LE48C-4080*M-22 | 35.76 V Nom / 36.6 V Max | 600 mA Typ. / 800 mA Max | 21.4 W Typ. / 29.28 W Max | 22.0" x 0.79" Linear Module, 48 LEDs | 4000K | 80 | 3,765 Typ. / 4,871 Max | 175 Typ. / 166 Max |
| LE64C-4080*M-22 | 47.68 V Nom / 48.8 V Max | 600 mA Typ. / 800 mA Max | 28.6 W Typ. / 39.04 W Max | 22.0" x 0.79" Linear Module, 64 LEDs | 4000K | 80 | 5,020 Typ. / 6,495 Max | 175 Typ. / 166 Max |
| LE96C-4080*M-22 | 47.68 V Nom / 48.8 V Max | 900 mA Typ. / 1,200 mA Max | 42.91 W Typ. / 58.56 W Max | 22.0" x 0.79" Linear Module, 96 LEDs | 4000K | 80 | 7,530 Typ. / 9,742 Max | 175 Typ. / 166 Max |



HIGHBAY LED MODULE

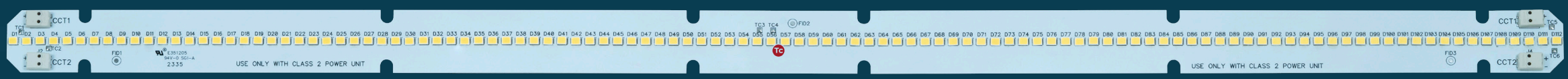
| Model Number | Module Voltage | Module Current | Module Power | Module Description | Color Temp. | CRI | Lumen Output* | Efficacy (LPW) |
|------------------|--------------------------|------------------------------|----------------------------|---|-------------|-----|-------------------------|--------------------|
| LE112C-4080*M-22 | 47.68 V Nom / 48.8 V Max | 1,050 mA Typ. / 1,400 mA Max | 50.06 W Typ. / 68.32 W Max | 22.0" Linear Highbay LED Module, 112 LEDs | 4000K | 80 | 8,785 Typ. / 11,366 Max | 175 Typ. / 166 Max |

Modules currently designed at 4000K. Additional CCT models available upon request.

Disclaimer: The modules referenced in this document are designed for use with either Cree or Samsung LEDs, unless explicitly specified otherwise, as is the case with Turtle-Safe modules. * The "M" is a reference letter that indicates that the module can be built with either Cree or Samsung LEDs. Customer will need to specify LED brand during time of order.

See ACE LEDS Specification Sheets for complete details.
 To order or consult with one of our engineers, contact us at:

800-375-6355
aceleds.com



LINEAR 2-CHANNEL/COLOR TUNABLE LED MODULES

| Model Number | Module Voltage | Module Current | Module Power | Module Description | Color Temp. | CRI | Lumen Output | Efficacy (LPW) |
|------------------|---------------------------|----------------------------|----------------------------|--------------------------------|-------------|-----|--|--|
| LE112C30508*M-22 | 47.68 V Nom. / 48.8 V Max | 900 mA Typ. / 1,200 mA Max | 42.91 W Typ. / 58.56 W Max | Color Tunable Module, 112 LEDs | 4000K | 80 | 30K: 4,210 Typ. / 5,446 Max 50K: 4,454 Typ. / 5,762 Max | 30K: 168 Typ. / 157 Max 50K: 178 Typ. / 168 Max |



CUTTABLE LINEAR LED MODUES

Trimmed Example:



| Model Number | Module Voltage | Module Current | Module Power | Module Description | Color Temp. | CRI | Lumen Output | Efficacy (LPW) |
|------------------|--------------------------|------------------------------|--------------------------|--------------------------------|-------------|-----|-------------------------|--------------------|
| LE192C-4080*M-48 | 33.5 V Nom. / 34.7 V Max | 1,440 mA Typ. / 2,540 mA Max | 48.2 W Typ. / 91.5 W Max | Cuttable LED Modules, 192 LEDs | 4000K | 80 | 8,108 Typ. / 14,341 Max | 168 Typ. / 157 Max |

LE14/XXYYS/5.5 • TYPICAL FORWARD VOLTAGE: 38.2 V TYP./39.9 V MAX

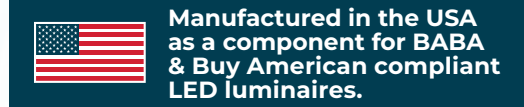
| Model Number | Forward Voltage | Drive Current | Module Power | Module Description | Color Temp. | CRI (Ra) | Lumen Output | Efficacy (LPW) |
|----------------|--------------------------|-------------------------|------------------------|---|-------------|----------|---------------------|------------------------|
| LE14/3080S/5.5 | 38.2 V Nom. / 39.9 V Max | 77 mA Typ. / 175 mA Max | 2.9 W Typ. / 7.0 W Max | Four Poke-In Connectors use #24-18 AWG stranded | 3000K* | 80 | 530 Typ. / 1145 Max | 180.1 Typ. / 164.0 Max |
| LE14/3580S/5.5 | 38.2 V Nom. / 39.9 V Max | 77 mA Typ. / 175 mA Max | 2.9 W Typ. / 7.0 W Max | | 3500K | 80 | 538 Typ. / 1161 Max | 182.8 Typ. / 166.3 Max |
| LE14/4080S/5.5 | 38.2 V Nom. / 39.9 V Max | 77 mA Typ. / 175 mA Max | 2.9 W Typ. / 7.0 W Max | | 4000K* | 80 | 553 Typ. / 1194 Max | 187.9 Typ. / 171.0 Max |
| LE14/5080S/5.5 | 38.2 V Nom. / 39.9 V Max | 77 mA Typ. / 175 mA Max | 2.9 W Typ. / 7.0 W Max | | 5000K* | 80 | 553 Typ. / 1194 Max | 190.6 Typ. / 173.4 Max |
| LE14/3090S/5.5 | 38.2 V Nom. / 39.9 V Max | 77 mA Typ. / 175 mA Max | 2.9 W Typ. / 7.0 W Max | | 3000K | 90 | 453 Typ. / 979 Max | 153.9 Typ. / 140.2 Max |
| LE14/3590S/5.5 | 38.2 V Nom. / 39.9 V Max | 77 mA Typ. / 175 mA Max | 2.9 W Typ. / 7.0 W Max | | 3500K | 90 | 469 Typ. / 1012 Max | 159.4 Typ. / 144.9 Max |
| LE14/4090S/5.5 | 38.2 V Nom. / 39.9 V Max | 77 mA Typ. / 175 mA Max | 2.9 W Typ. / 7.0 W Max | | 4000K* | 90 | 484 Typ. / 1045 Max | 164.5 Typ. / 149.7 Max |
| LE14/5090S/5.5 | 38.2 V Nom. / 39.9 V Max | 77 mA Typ. / 175 mA Max | 2.9 W Typ. / 7.0 W Max | | 5000K | 90 | 507 Typ. / 1095 Max | 164.5 Typ. / 149.7 Max |

Disclaimer: The LE14/XXYYS/5.5 modules referenced above are designed for use with Samsung LEDs.

Modules currently designed at 4000K. Additional CCT models available upon request.

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LE28/XXYYS/11 • TYPICAL FORWARD VOLTAGE: 38.2 V TYP./40.3 V MAX

| Model Number | Forward Voltage | Drive Current | Module Power | Module Description | Color Temp. | CRI (Ra) | Lumen Output | Efficacy (LPW) |
|---------------|--------------------------|--------------------------|-------------------------|---|-------------|----------|----------------------|------------------------|
| LE28/3080S/11 | 38.2 V Nom. / 40.3 V Max | 154 mA Typ. / 400 mA Max | 5.9 W Typ. / 16.1 W Max | Four Poke-In Connectors use #24-18 AWG stranded | 3000K* | 80 | 1060 Typ. / 2581 Max | 180.1 Typ. / 160.1 Max |
| LE28/3580S/11 | 38.2 V Nom. / 40.3 V Max | 154 mA Typ. / 400 mA Max | 5.9 W Typ. / 16.1 W Max | | 3500K | 80 | 1076 Typ. / 2618 Max | 182.8 Typ. / 162.4 Max |
| LE28/4080S/11 | 38.2 V Nom. / 40.3 V Max | 154 mA Typ. / 400 mA Max | 5.9 W Typ. / 16.1 W Max | | 4000K* | 80 | 1107 Typ. / 2693 Max | 188.1 Typ. / 167.1 Max |
| LE28/5080S/11 | 38.2 V Nom. / 40.3 V Max | 154 mA Typ. / 400 mA Max | 5.9 W Typ. / 16.1 W Max | | 5000K* | 80 | 1122 Typ. / 2731 Max | 190.6 Typ. / 169.4 Max |
| LE28/3090S/11 | 38.2 V Nom. / 40.3 V Max | 154 mA Typ. / 400 mA Max | 5.9 W Typ. / 16.1 W Max | | 3000K | 90 | 907 Typ. / 2207 Max | 154.1 Typ. / 136.9 Max |
| LE28/3590S/11 | 38.2 V Nom. / 40.3 V Max | 154 mA Typ. / 400 mA Max | 5.9 W Typ. / 16.1 W Max | | 3500K | 90 | 937 Typ. / 2282 Max | 159.2 Typ. / 141.6 Max |
| LE28/4090S/11 | 38.2 V Nom. / 40.3 V Max | 154 mA Typ. / 400 mA Max | 5.9 W Typ. / 16.1 W Max | | 4000K* | 90 | 968 Typ. / 2357 Max | 164.5 Typ. / 146.2 Max |
| LE28/5090S/11 | 38.2 V Nom. / 40.3 V Max | 154 mA Typ. / 400 mA Max | 5.9 W Typ. / 16.1 W Max | | 5000K | 90 | 1014 Typ. / 2469 Max | 172.3 Typ. / 153.2 Max |

Disclaimer: The LE28/XXYYS/11 modules referenced above are designed for use with Samsung LEDs.

LE56/XXYYS/23.7 • TYPICAL FORWARD VOLTAGE: 38.2 V TYP./40.3 V MAX

| Model Number | Forward Voltage | Drive Current | Module Power | Module Description | Color Temp. | CRI (Ra) | Lumen Output | Efficacy (LPW) |
|-----------------|--------------------------|--------------------------|--------------------------|---|-------------|----------|----------------------|------------------------|
| LE56/3080S/23.7 | 38.2 V Nom. / 40.3 V Max | 308 mA Typ. / 800 mA Max | 11.8 W Typ. / 32.2 W Max | Four Poke-In Connectors use #24-18 AWG stranded | 3000K* | 80 | 2121 Typ. / 5162 Max | 180.2 Typ. / 160.1 Max |
| LE56/3580S/23.7 | 38.2 V Nom. / 40.3 V Max | 308 mA Typ. / 800 mA Max | 11.8 W Typ. / 32.2 W Max | | 3500K | 80 | 2152 Typ. / 5237 Max | 182.8 Typ. / 162.4 Max |
| LE56/4080S/23.7 | 38.2 V Nom. / 40.3 V Max | 308 mA Typ. / 800 mA Max | 11.8 W Typ. / 32.2 W Max | | 4000K* | 80 | 2213 Typ. / 5386 Max | 188.0 Typ. / 167.1 Max |
| LE56/5080S/23.7 | 38.2 V Nom. / 40.3 V Max | 308 mA Typ. / 800 mA Max | 11.8 W Typ. / 32.2 W Max | | 5000K* | 80 | 2244 Typ. / 5461 Max | 190.6 Typ. / 169.4 Max |
| LE56/3090S/23.7 | 38.2 V Nom. / 40.3 V Max | 308 mA Typ. / 800 mA Max | 11.8 W Typ. / 32.2 W Max | | 3000K | 90 | 1813 Typ. / 4414 Max | 154.0 Typ. / 136.9 Max |
| LE56/3590S/23.7 | 38.2 V Nom. / 40.3 V Max | 308 mA Typ. / 800 mA Max | 11.8 W Typ. / 32.2 W Max | | 3500K | 90 | 1875 Typ. / 4563 Max | 159.3 Typ. / 141.5 Max |
| LE56/4090S/23.7 | 38.2 V Nom. / 40.3 V Max | 308 mA Typ. / 800 mA Max | 11.8 W Typ. / 32.2 W Max | | 4000K* | 90 | 1936 Typ. / 4713 Max | 164.5 Typ. / 146.2 Max |
| LE56/5090S/23.7 | 38.2 V Nom. / 40.3 V Max | 308 mA Typ. / 800 mA Max | 11.8 W Typ. / 32.2 W Max | | 5000K | 90 | 2029 Typ. / 4937 Max | 172.4 Typ. / 153.1 Max |

Disclaimer: The LE56/XXYYS/23.7 modules referenced above are designed for use with Samsung LEDs.

Modules currently designed at 4000K. Additional CCT models available upon request.

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