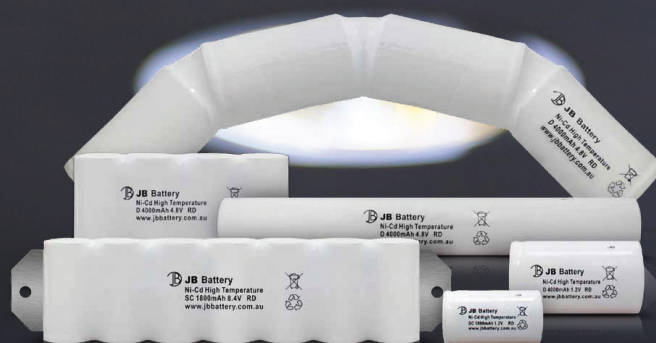


# EMERGENCY LIGHTING BATTERY REPLACEMENT CATALOGUE 2021





**All safety (Emergency) Luminaires are important.**

**They help protect the life and safety of people. Emergency lighting must be fully functional to provide protection in case of failure of the general lights.**

Even if a single safety luminaire or exit sign luminaire fails, depending on the local conditions, there is significant risk of accident; for example in a stairwell or in an industrial site.

For this very reason legislation requires regular testing and maintenance of the emergency luminaires. The operation of the luminaires in battery mode, for example, (function test) must be verified at least once a month and a full duration test every six months as per the standards. Most emergency luminaires with integral batteries need to be changed every 3 - 5 years.

For over 30 years EllisCo has been supplying emergency luminaires and replacement batteries for emergency lighting in the New Zealand market. All our battery products are manufactured in compliance with IEC Standards using quality batteries.

Our Ni-cd, NiMh High Temperature and Lithium(ion) battery packs can be used in a large range of emergency luminaires currently in the New Zealand market.

With our extensive range of voltages, configurations, and connectors we have the product for most replacement battery packs and with our ability to supply customized battery packs we cover most of your requirements no matter the brand of luminaire.

#### **BATTERY PACK CONFIGURATIONS**



4 CELL FLAT or SIDE BY SIDE  
eg. BAT4FL



3 CELL STICK eg. BAT3SCL



# HOW TO SELECT THE CORRECT BATTERY

## SELECT BATTERY TYPE

NiCd



NiMh



Lithium

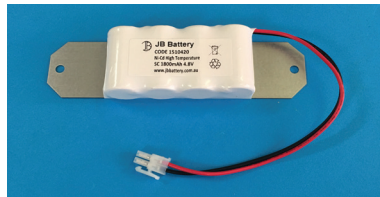
Please contact EllisCo directly for all Lithium battery enquiries

## SELECT BATTERY LAYOUT

Stick



Side by Side

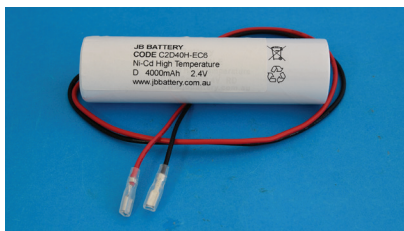


Specials



## SELECT VOLTAGE - voltage determines the number of cells

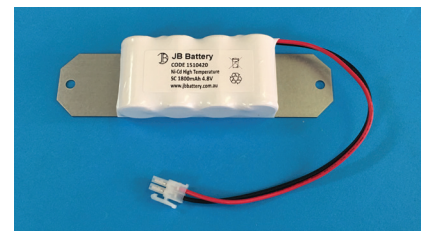
2.4V



3.6V



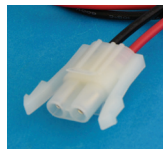
4.8V



## SELECT mAh CAPACITY - printed on battery



## SELECT CONNECTOR IF REQUIRED



Once these factors have been determined refer to appropriate sheets

**Example battery required is a 3.6V NiCd 4000mAh stick, flying leads only**


- Go to NiCd section, look for Stick range, select voltage and capacity mAh
- You will note there are 6 options with various different connectors. Select correct connector we are looking for in this case leads only required
- Follow the steps and the code will be **C3D40H-E**






# NiCd or Ni Cad - Nickel Cadmium

| BATTERY LAYOUT | ELLISCO CODE | ALT CODE | NO CELLS | VOLTAGE | CAPACITY mAh | Type Cell | Connector Plug | BRACKET |
|----------------|--------------|----------|----------|---------|--------------|-----------|----------------|---------|
|----------------|--------------|----------|----------|---------|--------------|-----------|----------------|---------|


If no EllisCo code use alternative code


| NiCd 2.4V   |         |            |   |      |         |   |             |    |
|---|---------|------------|---|------|---------|---|-------------|----|
| STICK   |         | C2D40H-E   | 2 | 2.4V | 4000mAh | D | Leads only  | NO |
|  | BAT2SLC | C2D40H-EK2 | 2 | 2.4V | 4000mAh | D | K2 END CAPS | NO |
|   |         | C2D40H-EC1 | 2 | 2.4V | 4000mAh | D | C1          | NO |
|   |         | C2D40H-EC2 | 2 | 2.4V | 4000mAh | D | C2          | NO |
|   |         | C2D40H-EC6 | 2 | 2.4V | 4000mAh | D | C6          | NO |
|   |         | C2D40H-EC7 | 2 | 2.4V | 4000mAh | D | C7          | NO |



| NiCd 3.6V   |         |               |   |       |         |       |                 |     |
|---|---------|---------------|---|-------|---------|-------|-----------------|-----|
|   |         | C3SC18H-E     | 3 | 3.6V  | 1800mAh | Sub C | Leads only      | NO  |
|   |         | C3SC18H-EC1   | 3 | 3.6V  | 1800mAh | Sub C | C1              | NO  |
|   |         | C3SC18H-EC2   | 3 | 3.6V  | 1800mAh | Sub C | C2              | NO  |
|   |         | C3SC18H-EC2B9 | 3 | 3.6V  | 1800mAh | Sub C | C2              | B9  |
|   |         | C3SC18H-EC5   | 3 | 3.6V  | 1800mAh | Sub C | C5              | NO  |
|   |         | C3SC18H-EC31  | 3 | 3.6V  | 1800mAh | Sub C | C31             | YES |
|   |         |               |   |       |         |       |                 |     |
|   |         | C3C25H-E      | 3 | 3.6V  | 2500mAh | C     | Leads only      | NO  |
|   |         |               |   |       |         |       |                 |     |
|  |         | C3D40H-E      | 3 | 3.6V  | 4000mAh | D     | Leads only      | NO  |
|   | BAT3SLC | C3D40H-EK2    | 3 | 3.6V  | 4000mAh | D     | K2 END CAPS     | NO  |
|   |         | C3D40H-EC1    | 3 | 3.6V  | 4000mAh | D     | C1              | NO  |
|   |         | C3D40H-EC2    | 3 | 3.6V  | 4000mAh | D     | C2              | NO  |
|   |         | C3D40H-EC2K2  | 3 | 3.6V  | 4000mAh | D     | C2 and END CAPS | NO  |
|   |         | C3D40H-ETK1   | 3 | 3.6Vw | 4000mAh | D     |                 |     |

| NiCd 4.8V   |         |             |   |      |         |       |             |    |
|---|---------|-------------|---|------|---------|-------|-------------|----|
| STICK   |         | C4AA80H-EC1 | 4 | 4.8V | 800mAh  | AA    | C1          | NO |
|  |         | C4SC13H-EC1 | 4 | 4.8V | 1300mAh | SUB C | C1          | NO |
|   |         | C4SC18H-EC1 | 4 | 4.8V | 1800mAh | SUB C | C1          | NO |
|   |         | C4D40H-E    | 4 | 4.8V | 4000mAh | D     | Leads only  | NO |
|   | BAT4SLC | C4D40H-EK2  | 4 | 4.8V | 4000mAh | D     | K2 END CAPS | NO |
|   |         | C4D40H-EC1  | 4 | 4.8V | 4000mAh | D     | C1          | NO |
|   |         | C4D40H-EC2  | 4 | 4.8V | 4000mAh | D     | C2          | NO |


| BATTERY LAYOUT | ELLISCO CODE | ALT CODE | NO CELLS | VOLTAGE | CAPACITY mAh | Type Cell | Connector Plug | BRACKET |
|----------------|--------------|----------|----------|---------|--------------|-----------|----------------|---------|
|----------------|--------------|----------|----------|---------|--------------|-----------|----------------|---------|

|  |        |              |         |      |         |    |       |     |
|--|--------|--------------|---------|------|---------|----|-------|-----|
| STICK  | B20045 | C4AA80H-BC7  | 4       | 4.8V | 800mAh  | AA | C7    | NO  |
|  |        | C4D50H-EC1B8 | 4       | 4.8V | 5000mAh | D  | C1    | NO  |
|  |        | C4D40H-BB1   | 4 (2+2) | 4.8V | 4000mAh | D  | LEADS | YES |
|  |        | C4D40H-BB5   | 4 (2+2) | 4.8V | 4000mAh | D  | LEADS | YES |

| NiCd 6.0V   |          |              |                |      |         |       |             |    |
|---|----------|--------------|----------------|------|---------|-------|-------------|----|
|  |          | C5SC18H-EC1  | 5              | 6.0V | 1800mAh | SUB C | C1          | NO |
|   |          | C5SC18H-EC2  | 5              | 6.0V | 1800mAh | SUB C | C2          | NO |
|   |          | C5D40H-E     | 5              | 6.0V | 4000mAh | D     | Leads only  | NO |
|   |          | C5D40H-EK2   | 5              | 6.0V | 4000mAh | D     | K2 END CAPS | NO |
|   |          | C5D40H-EC1   | 5              | 6.0V | 4000mAh | D     | C1          | NO |
|   |          | C5D40H-EC2   | 5              | 6.0V | 4000mAh | D     | C2          | NO |
|   |          | C5D40H-EC2K1 | 5              | 6.0V | 4000mAh | D     | C2          |    |
|   | BAT5SLC2 | C5D40H-NT1   | 1X3, 1X2 5CELL | 6.0V | 4000mAh | D     | K2 END CAPS | NO |

| NiCd 7.2V   |          |             |           |      |         |       |             |    |
|---|----------|-------------|-----------|------|---------|-------|-------------|----|
|  |          | C6SC18H-E   | 6         | 7.2V | 1800mAh | SUB C | Leads only  | NO |
|   |          | C6SC18H-EK2 | 6         | 7.2V | 1800mAh | SUB C | K2 END CAPS | NO |
|   |          | C6SC18H-EC1 | 6         | 7.2V | 1800mAh | SUB C | C1          | NO |
|   |          | C6SC18H-EC2 | 6         | 7.2V | 1800mAh | SUB C | C2          | NO |
|   |          | C6SC18H-EC5 | 6         | 7.2V | 1800mAh | SUB C | C5          | NO |
|   |          | C6D40H-E    | 6         | 7.2V | 4000mAh | SUB C | Leads only  | NO |
|   | BAT6SLC  | C6D40H-EK2  | 6         | 7.2V | 4000mAh | SUB C | K2 END CAPS | NO |
|   |          | C6D40H-EC1  | 6         | 7.2V | 4000mAh | SUB C | C1          | NO |
|   | BAT6SLC2 |             | 2X3 STICK | 7.2V | 4000mAh | SUB C | K2 END CAPS | NO |

| NiCd 12V |  |            |           |     |         |      |            |    |
|----------|--|------------|-----------|-----|---------|------|------------|----|
| STICK    |  | C10SC18H-F | 2X5 STICK | 12V | 1800mAh | SUBC | Leads only | NO |

| NiCd 2.4V   |        |              |   |      |         |   |            |    |
|---|--------|--------------|---|------|---------|---|------------|----|
| SIDE BY SIDE  | BAT2FL |              | 2 |      | 4000mAh | D | Leads only | NO |
|  |        | C2D40H-SC1   | 2 | 2.4V | 4000mAh | D | C1         | NO |
|   |        | C2D40H-SC6   | 2 | 2.4V | 4000mAh | D | C6 + K2    | NO |
|   |        | C2D40H-SC6K2 | 2 | 2.4V | 4000mAh | D | C6 + K2    | NO |

| BATTERY LAYOUT | ELLISCO CODE | ALT CODE   | NO CELLS | VOLTAGE | CAPACITY mAh | Type Cell | Connector Plug | BRACKET |
|----------------|--------------|------------|----------|---------|--------------|-----------|----------------|---------|
|                |              | C2D40H-SC7 | 2        | 2.4V    | 4000mAh      | D         | C7             | NO      |

| NiCd 3.6V |  |           |   |      |         |       |            |    |
|-----------|--|-----------|---|------|---------|-------|------------|----|
|           |  | C3SC18H-S | 3 | 3.6V | 1800mAh | SUB C | Leads only | NO |



|        |            |   |      |         |   |            |    |
|--------|------------|---|------|---------|---|------------|----|
| BAT3FL | C3D40H-S   | 3 | 3.6V | 4000mAh | D | Leads only | NO |
|        | C3D40H-SC1 | 3 | 3.6V | 4000mAh | D | C1         | NO |

| NiCd 4.8V |  |                |     |      |         |       |            |    |
|-----------|--|----------------|-----|------|---------|-------|------------|----|
|           |  | C4SC18H-S      | 4   | 4.8V | 1800mAh | SUB C | Leads only |    |
|           |  | C4SC18H-SC1    | 4   | 4.8V | 1800mAh | SUB C | C1         | No |
|           |  | C4SC18H-SC1-B3 | 4   | 4.8V | 1800mAh | SUB C | C1         | B3 |
|           |  | C4SC18H-BC1    | 2+2 | 4.8V | 1800mAh | SUB C | C1         | No |



|  |  |            |   |      |         |   |    |    |
|--|--|------------|---|------|---------|---|----|----|
|  |  | C4C25H-SC1 | 4 | 4.8V | 2500mAh | C | C1 | No |
|--|--|------------|---|------|---------|---|----|----|

|        |            |   |      |         |   |            |     |
|--------|------------|---|------|---------|---|------------|-----|
| BAT4FL | C4D40H-S   | 4 | 4.8V | 4000mAh | D | Leads only | NO  |
|        | C4D40H-SC1 | 4 | 4.8V | 4000mAh | D | C1         | NO  |
|        | C4D40H-SB1 | 4 | 4.8V | 4000mAh | D |            | YES |
|        | C4D40H-BB1 | 4 | 4.8V | 4000mAh | D |            | YES |
|        | C4D40H-BB5 | 4 | 4.8V | 4000mAh | D |            | YES |

| NiCd 6.0V |  |               |   |      |         |       |            |    |
|-----------|--|---------------|---|------|---------|-------|------------|----|
|           |  | C5SC18H-S     | 5 | 6.0V | 1800mAh | SUB C | Leads only | NO |
|           |  | C5SC18H-SC1   | 5 | 6.0V | 1800mAh | SUB C | C1         | NO |
|           |  | C5SC18H-SC1B3 | 5 | 6.0V | 1800mAh | SUB C | C1         | B3 |
|           |  | C5SC18H-SC2   | 5 | 6.0V | 1800mAh | SUBC  | C2         | NO |
|           |  | C5SC18-SC2B3  | 5 | 6.0V | 1800mAh | SUB C | C2         | B3 |



|        |              |   |      |         |   |            |    |
|--------|--------------|---|------|---------|---|------------|----|
| BAT5FL | C5D40H-S     | 5 | 6.0V | 4000mAh | D | Leads only | No |
|        | C5D40H-SC1   | 5 | 6.0V | 4000mAh | D | C1         | No |
|        | C5D40H-SC1B6 | 5 | 6.0V | 4000mAh | D | C1         | B6 |
|        | C5D40H-SC2   | 5 | 6.0V | 4000mAh | D | C2         | No |
|        | C5D40H-SC6B2 | 5 | 6.0V | 4000mAh | D | C6         | B2 |


| NiCd 7.2V |  |            |   |      |         |   |            |    |
|-----------|--|------------|---|------|---------|---|------------|----|
|           |  | C6D40H-S   | 6 | 7.2V | 4000mAh | D | Leads only | No |
|           |  | C6D40H-SC1 | 6 | 7.2V | 4000mAh | D | C1         | N0 |




| NiCd 8.4V |  |               |   |      |         |       |    |    |
|-----------|--|---------------|---|------|---------|-------|----|----|
|           |  | C7SC18H-SC1B2 | 7 | 8.4V | 1800mAh | SUB C | C1 | B2 |

# NiMh - Nickel Metal Hydride


| BATTERY LAYOUT | ELLISCO CODE | ALT CODE | NO CELLS | VOLTAGE | CAPACITY mAh | TYPE CELL | Connector Plug | BRACKET |
|----------------|--------------|----------|----------|---------|--------------|-----------|----------------|---------|
|----------------|--------------|----------|----------|---------|--------------|-----------|----------------|---------|

| NiMh 3.6V   |  |             |   |      |         |    |            |    |
|---|--|-------------|---|------|---------|----|------------|----|
|  |  | M3AA15H-E   | 3 | 3.6V | 1500mAh | AA | Leads only | No |
|   |  | M3SC24H-E   | 3 | 3.6V | 2400mAh | AA | Leads only | No |
|   |  | M3SC24H-EC1 | 3 | 3.6V | 2400mAh | AA | C1         | No |

| NiMh 4.8V   |  |             |         |      |         |    |            |    |
|---|--|-------------|---------|------|---------|----|------------|----|
|  |  | M4AA15H-E   | 4       | 4.8V | 1500mAh | AA | Leads only | No |
|   |  | M4AA15H-EC1 | 4       | 4.8V | 1500mAh | AA | C1         | No |
|   |  | M4AA15H-EC2 | 4       | 4.8V | 1500mAh | AA | C2         | No |
|   |  | M4SC20H-B   | 4 (2+2) | 4.8V | 2000mAh | SC | Leads only | No |
|   |  | M4SC20H-BC7 | 4 (2+2) | 4.8V | 2000mAh | SC | C7         | No |
|   |  | M4C40H-E    | 4       | 4.8V | 4000mAh | C  | Leads only | No |

| NiMh 6.0v |  |             |   |       |         |    |            |    |
|-----------|--|-------------|---|-------|---------|----|------------|----|
| STICK     |  | M5AA15H-E   | 5 | 6.0V  | 1500mAh | AA | Leads only | No |
|           |  | M5AA15H-EC1 | 5 | 6.0.V | 1500mAh | AA | C1         | No |
|           |  | M5AA15H-EC2 | 5 | 6.0V  | 1500mAh | AA | C2         | No |

| NiMh 7.2V |  |              |         |      |      |    |            |    |
|-----------|--|--------------|---------|------|------|----|------------|----|
| STICK     |  | M6AA15H-E    | 6       |      | 1500 | AA | Leads only | No |
|           |  | M6SC24H-E    | 6       | 7.2V | 2400 | SC | Leads only | No |
|           |  | M6SC24H-KC60 | 6 (3+3) | 7.2V | 2400 | SC | C60        | No |

| NiMh 3.6V   |  |             |   |      |         |    |            |    |
|---|--|-------------|---|------|---------|----|------------|----|
| SIDE BY SIDE<br><br> |  | M3AA15H-S   | 3 | 3.6V | 1500mAh | AA | Leads only | No |
|   |  | M3AA15H-SC7 | 3 | 3.6V | 1500mAh | AA | C7         | No |
|   |  |             |   |      |         |    |            |    |
|   |  | M3SC20H-S   | 3 | 3.6V | 2000mAh | SC | Leads only | No |
|   |  | M3SC20H-SC7 | 3 | 3.6V | 2000mAh | SC | C7         | No |
|   |  |             |   |      |         |    |            |    |
|   |  | M3C40H-S    | 3 | 3.6V | 4000mAh | C  | Leads only | No |

| BATTERY LAYOUT | ELLISCO CODE | ALT CODE | NO CELLS | VOLTAGE | CAPACITY mAh | TYPE CELL | Connector Plug | BRACKET |
|----------------|--------------|----------|----------|---------|--------------|-----------|----------------|---------|
|----------------|--------------|----------|----------|---------|--------------|-----------|----------------|---------|

### NiMh 4.8V



|  |             |   |      |         |    |            |    |
|--|-------------|---|------|---------|----|------------|----|
|  | M4AA15H-S   | 4 | 4.8V | 1500mAh | AA | Leads only | No |
|  | M4AA15H-SC3 | 4 | 4.8V | 1500mAh | AA | C3         | No |



|  |           |         |      |         |    |            |    |
|--|-----------|---------|------|---------|----|------------|----|
|  | M4SC20H-S | 4 (2+2) | 4.8V | 2000mAh | SC | Leads only | No |
|--|-----------|---------|------|---------|----|------------|----|



|  |          |   |      |         |   |            |  |
|--|----------|---|------|---------|---|------------|--|
|  | M4C40H-S | 4 | 4.8V | 4000mAh | C | Leads only |  |
|--|----------|---|------|---------|---|------------|--|



|        |             |         |      |         |    |    |    |
|--------|-------------|---------|------|---------|----|----|----|
| B50004 | M4AA15H-BC7 | 4 (2+2) | 4.8V | 1500mAh | AA | C7 | No |
|--------|-------------|---------|------|---------|----|----|----|

### NiMh 6.0V



|  |           |   |      |         |    |            |    |
|--|-----------|---|------|---------|----|------------|----|
|  | M5AA15H-S | 5 | 6.0V | 1500mAh | AA | Leads only | No |
|--|-----------|---|------|---------|----|------------|----|

|  |           |   |      |         |    |            |    |
|--|-----------|---|------|---------|----|------------|----|
|  | M5SC20H-S | 5 | 6.0V | 2000mAh | SC | Leads only | No |
|--|-----------|---|------|---------|----|------------|----|



|  |                |         |      |         |    |    |     |
|--|----------------|---------|------|---------|----|----|-----|
|  | M5AA15H-GC7B16 | 5 (3+2) | 6.0V | 1500mAh | AA | C7 | B16 |
|--|----------------|---------|------|---------|----|----|-----|



|  |            |   |      |         |   |            |    |
|--|------------|---|------|---------|---|------------|----|
|  | M5C40H-S   | 5 | 6.0V | 4000mAh | C | Leads only | No |
|  | M5C40H-SC1 | 5 | 6.0V | 4000mAh | C | C1         | No |

### NiMh 7.2V



|  |              |         |      |      |    |     |    |
|--|--------------|---------|------|------|----|-----|----|
|  | M6SC24H-KC60 | 6 (3+3) | 7.2V | 2400 | SC | C60 | No |
|--|--------------|---------|------|------|----|-----|----|

## EATON EMERGENCY LUMINAIRES REPLACEMENT BATTERY PACKS

### EMERGENCY LUMINAIRES

KLED KWIKLITE MK2 EXIT  
 KLED KWIKLITE MK3 EXIT  
 UXM-LED (ULTIMATE EXIT)  
 RELM-LED (GLOLINE EXIT)  
 WLMAU (WEATHERLITE)  
 VSMAU (VISTRAL)  
 EXM-LED-WM/CM (EXLITE)  
 LEX-LED-40M (JUMBO EXIT)  
 LEX-LED-IP66-40M (IP66 JUMBO EXIT)  
 UFO-LED, UFO-LED-SM

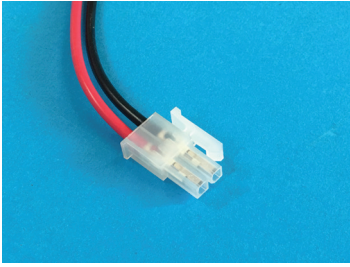
### REPLACEMENT BATTERY

BAT2SLC      NiCd  
 B50004      NiMh  
 BAT4SLC      NiCd  
 BAT4SLC      NiCd  
 BAT2SLC      NiCd  
 BAT2SLC      NiCd  
 B20045      NiCd  
 BAT4SLC      NiCd  
 BAT4SLC      NiCd  
 B50008      NiMh

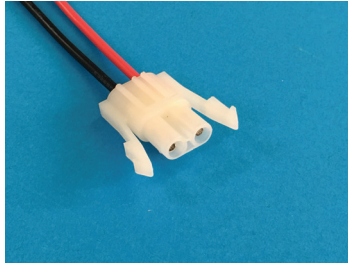


## CONNECTORS

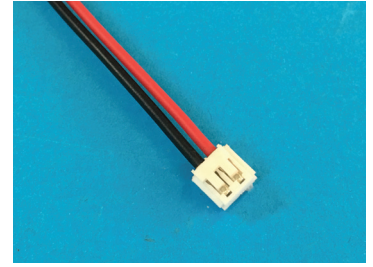
Standard connectors for Emergency Lighting batteries are shown below. Please contact EllisCo directly if you're unable to find a match for the replacement you need.



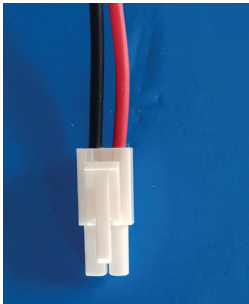
C1



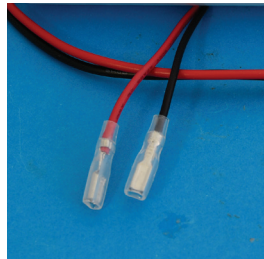
C2



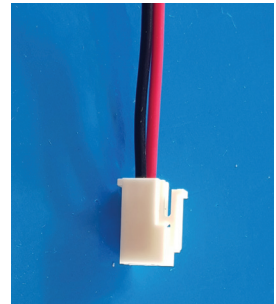
C3



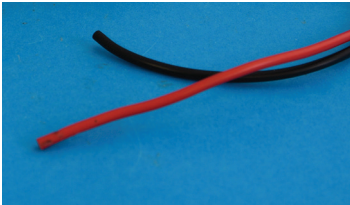
C4



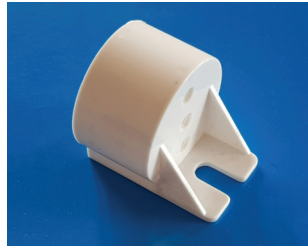
C6



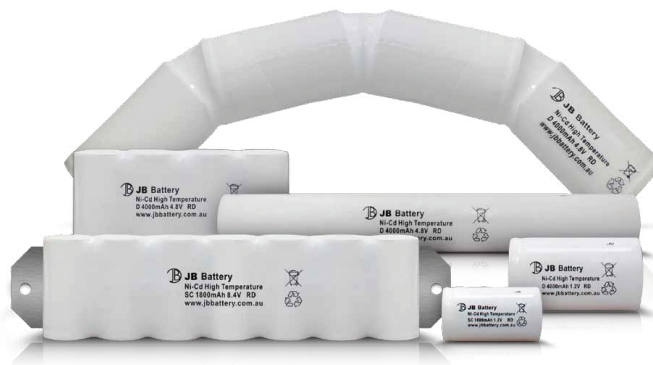
C7



LEADS ONLY



K2 END CAPS



## EMERGENCY EXIT LUMINAIRES



KLED



CrystalWay



UXM-LED Ultimate Exit



LEX-LED (JUMBO)



LEX-LED-IP66-40M



LED CGLine+

## EMERGENCY LUMINAIRES



LED CGLine+



UFO-LED-SM



IP65+



BEAMTECH



RoundTech LED CGLine+



## ADAPTIVE LIGHTING



GuideLed DXC 10011 **CG-S**

## CENTRAL BATTERY MONITORING SYSTEMS



CEAG ZB-S



LP-STAR

## SELF CONTAINED MONITORING SYSTEMS



CGLine+

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FELED

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DUE JANUARY 2022

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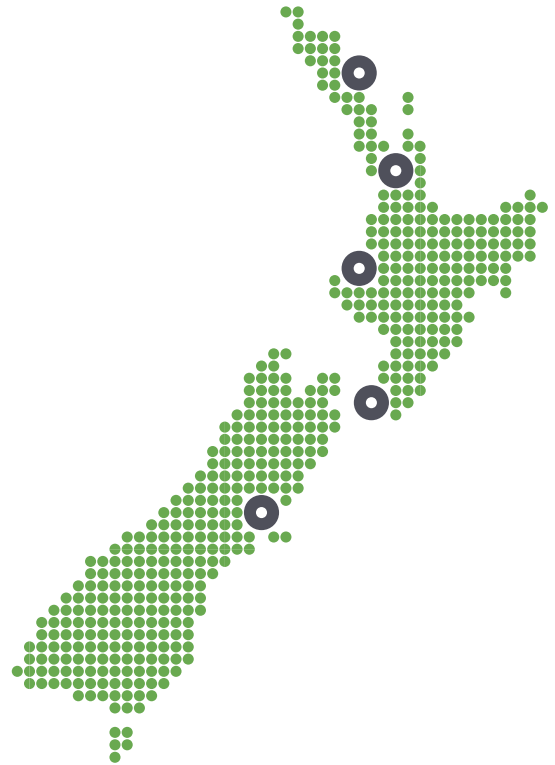
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