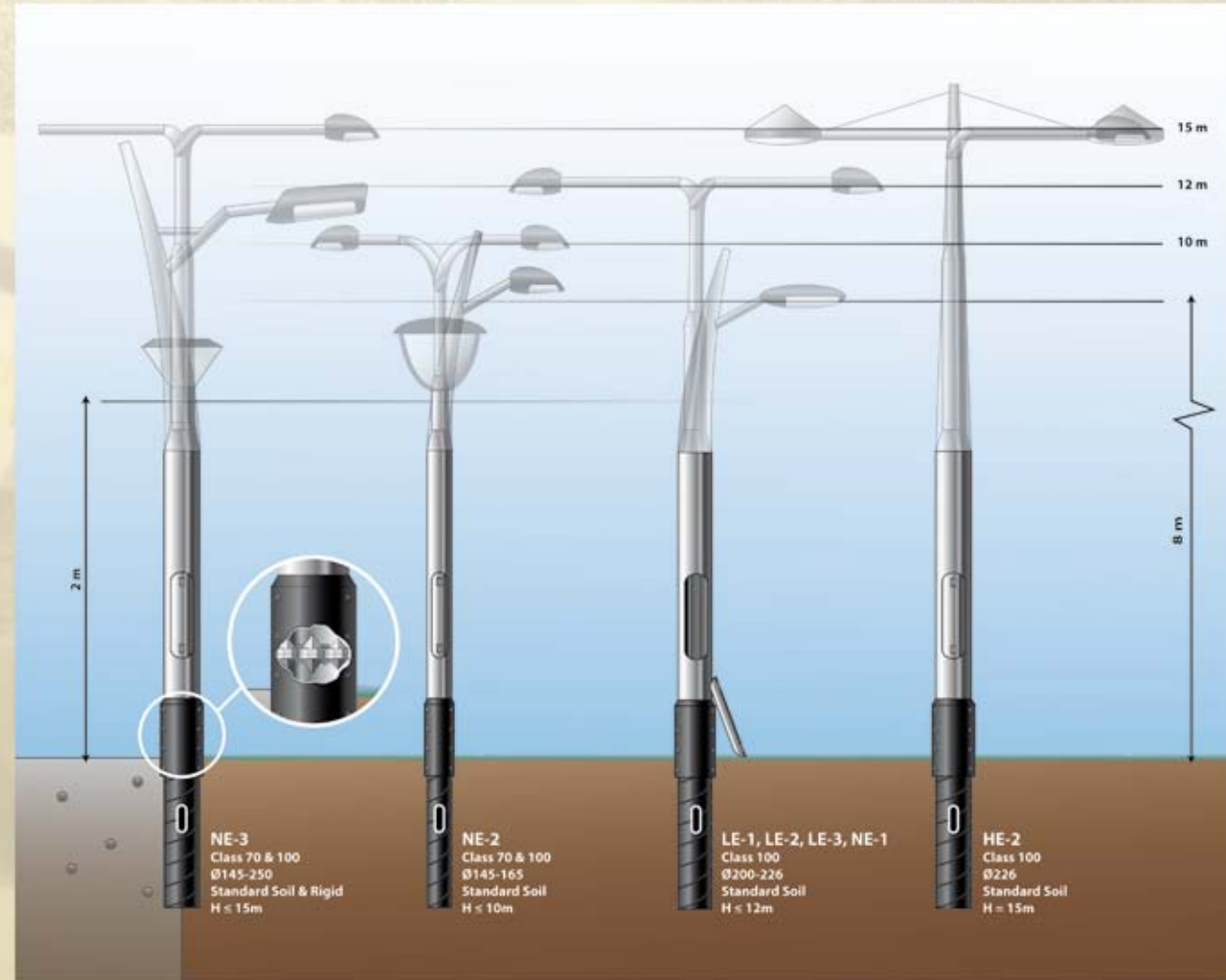


Sapa Pole Products offers safe, secure and sustainable aluminium solutions for all of your lighting needs. We give you the opportunity to design and create safe roads with Fully Certified (and endorsed by a Notified Body) passively safe columns in all shapes and sizes.



For more information about passive safety please visit our website or go to: www.thepassiverevolution.co.uk



The above drawing explains the certified families being:
 100NE3 100LE3
 100NE2 100LE2
 100NE1 100LE1

100HE2

70NE3
 70NE2



Impact speed

The 100 (for highways) and 70 (for rural roads) numbers in the family certifications indicate the impact speed of the vehicle.

Performance Level

There are three categories of passive safety support structures:

- High energy absorbing (HE): slow the vehicle considerably on impact. The risk of secondary collisions with trees, pedestrians and other road users is reduced, however the severity of the impact for vehicle occupants can be high.
- Low energy absorbing (LE): are generally designed to bend in front of and under the impacting vehicle, before shearing or detaching towards the end of the impact.
- Non-energy absorbing (NE): permits the vehicle to continue after the impact with a limited reduction in speed. They may therefore provide a lower primary injury risk than energy absorbing support structures, but a higher secondary injury risk if other hazards exist behind the support structure.

Occupant safety level

The occupant safety level is based on the results of ASI (Acceleration Severity Index) and THIV (Theoretical Head Impact Velocity). The levels of 1, 2 and 3 provide increasing levels of safety, in that order, by reducing impact severity.