Mechanical Data

Weight EN1-14: 3.4 kg

Weight EN3-42: 8.2 kg

Material: Sheet steel
Surface Treatment: RAL9016 powdercoat
Door: Lockable steel hinged door

Mains Cable Access
6 x 25.5mm/M25 knockout &
1 x 38.3mm/PGx knockout

Control Cable Access
1 x 25.5mm/M25 knockout

Terminal Sizes
Neutral: 2 x 25mm^2 & 13 x 16mm^2
Earth: 2 x 25mm^2 & 13 x 16mm^2

Climate Range
Temperature: +2ºC to +50ºC
Humidity: +5 to 95% non condensing

Ratings
Ingress Protection: IP20
Impact Resistance: IK07
In accordance with: IEC 62208:2011

Electrical Data

Protection: Not included

iLight
Usk House, Lakeside, Llantarnam Park,
Cwmbran, NP44 3HD, UK

t: +44 (0)1923 495495
e: enquiries@iLight.co.uk
www.iLight.co.uk

EU Authorised Representative
Cooper Lighting Netherlands B.V.
High Tech Campus
HTC 48
Eindhoven
5656 AE

E&OE. iLight reserve the right to make changes to the equipment without prior notice.
© iLight

Doc No: 9850-000859-00

EN1-14 & EN3-42

Control Enclosures & Accessories

Overview

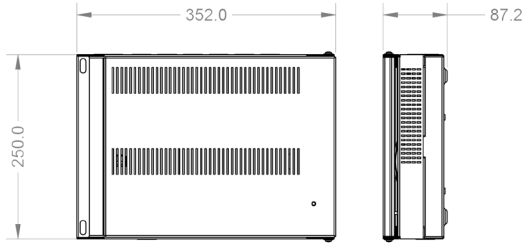
These compact controls enclosures have been designed to house a wide variety of iLight DINrail modules. The EN1-14 offers a single row of 14 modules of DIN rail space and the EN3-42 offers three rows of 14 with a total of 42 modules of DIN rail space.

If applied in a retrofit environment, for example replacing SCI, SCLED, SCS or SCH fixed format source controllers, the knockouts to the top of the enclosure align with the knockouts in the previous models so it can be quickly and easily mounted to existing containment without the need for adaption.

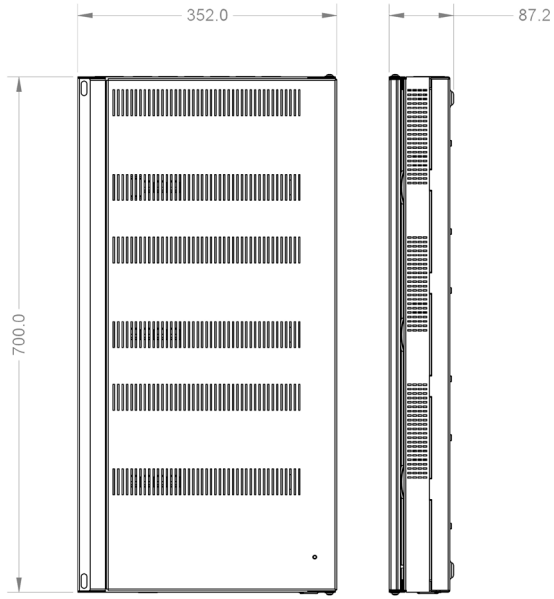
A dedicated knockout is provided for iCANnet connection to the cabinets and several accessories are available to aid the installer in connection of the iCANnet network.

Dimensions

EN1-14 Single Row Controls Enclosure



EN3-42 Three Row Controls Enclosure



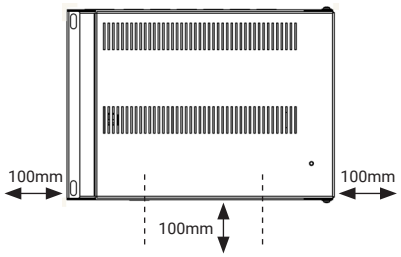
Location

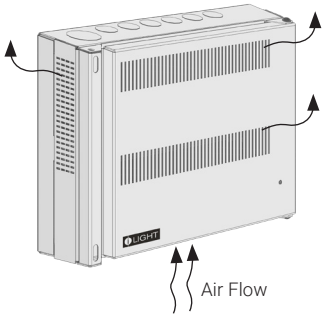
Control cabinets must be located in a dry, well ventilated location where the ambient temperature is within the range of +2°C to 50°C (humidity of +5 to +95% non-condensing).

The EN Series are designed to be mounted vertically on a suitable surface, capable of supporting the weight of the populated assembly. It is important to orientate the unit correctly to allow for effective airflow for ventilation.

It is recommended to leave 100mm distance between the control cabinet and walls or other equipment underneath and either side of the unit.

The EN series accommodate most common forms of cable management. Care should be taken not to obscure any ventilation grill on the enclosure.

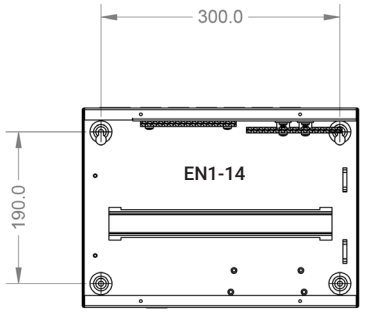


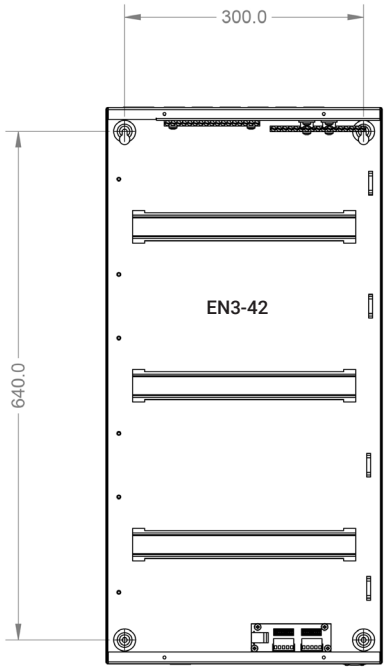


Mounting

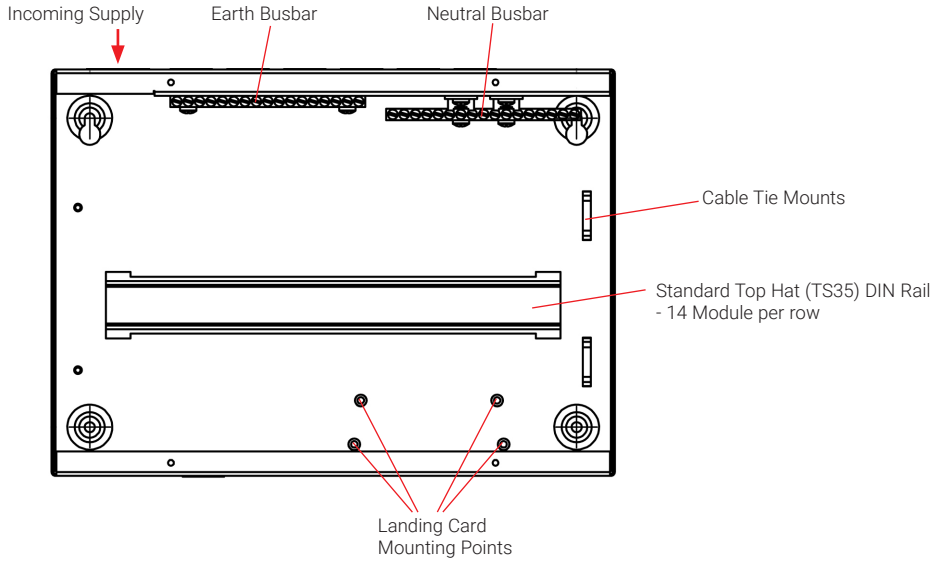
Before mounting the cabinet to the wall, the cover will need to be removed. There are 4 screws behind the hinged door which, when unscrewed, allow the cover assembly to be removed.

In the rear section of each cabinet, there are 4 fixings holes, each accommodating up to 6mm diameter fixings. The top holes are 'key slot' design enabling the cabinets to first be hung and then secured onto place using the 2 lower fixings.





Internal View



Accessories

ENACC-LND-INT - iCANnet Landing Card

ENACC-PRG-INT - iCANnet Programming Port and RJ12 lead

The optional landing card provides connection of the iCANnet Network to the internal panel network. M4 Threaded posts are provided as standard to support the installation of this optional card.

The card can then be connected to the optional RJ12 programming port via an RJ12 lead to provide external connection to the network for programming and maintenance.