

Public collection of electr(on)ic devices and low-energy light bulbs

Custom-made for striplights



Battery tubes



UN approved
collection bins

TOGETHER TOWARDS A LONG-LASTING SOCIETY

COLLECTION / RECYCLING

LIGHTSTRIPS

Recylum collects all used neon tubes and low-energy light bulbs in France. Engels exclusively supplies the containers to collect and transport them.

Both types of lamps require their own design:

A new global public-private initiative has been launched to address the issue of electronic and electrical waste (WEEE). Major high-tech manufacturers, including Hewlett-Packard, Microsoft, Dell, Ericsson and many more cooperate with recycling/refurbishing companies to salvage these (increasingly) precious resources and prevent them from polluting the environment.



The neon tubes can be transported in containers with flexible walls, since those exert an even pressure on the walls.

Meanwhile we have supplied Recylum with 4000 pieces of these containers, which they are extremely content with. It is a very environmentally friendly product: made fully of easily recyclable plastic; lightweight; sizes exactly adapted to transport of neon tubes, thus avoiding unnecessary loss of transport volume.

Furthermore the container is equipped with a lid that offers easy use and pallet feet adapted to be handled with any kind of forklift.

The container is also collapsible, so it is space-saving when empty.



Light bulbs on the other hand exert a much less even pressure, thus needing containers with stronger walls.

COLLECTION / RECYCLING

LIGHTSTRIPS

The Smartbox TL is perfectly equipped for the collection and transport of long objects like neon-tubes. The standard length is 2300. Other lengths between 1600 and 2300, as well as a 1200 version, are also available on request.



The Smartbox TL has six support columns for even distribution of the load in a stack

In some cases long objects can't be transported in a standard size pallet box. The Smartbox TL can be a solution in such case, being bigger than a standard pallet box and offering the possibility of space-saving return transport, since it is collapsible and in collapsed state takes up just a third of the space.

art.nr.	dimensions	description
1387C3-TL	2300x800x805*	Smartbox TL on 3 runners, 1014 L
1389C3-TL	2300x800x978*	Smartbox TL on 3 runners, 1288 L
1307C3-TL	2300x1000x805*	Smartbox TL on 3 runners, 1295 L
1309C3-TL	2300x1000x978*	Smartbox TL on 3 runners, 1644 L
4410.820-TL	2300x800*	Lid for Smartbox TL, 800 br.
4410.620-TL	2300x1000*	Lid for Smartbox TL, 1000 br.

* The length can be chosen between 1600 and 2300



In the near future it will be possible to deposit broken low-energy light bulbs, just like empty, batteries, at supermarkets. A special collection box will be available in which customers can deposit their lamps without intervention of a store employee.

Wecycle is a new umbrella project that will campaign for the collection of all kinds of electr(on)ic devices among which low-energy light bulbs. The initiators are the producers and importers of these products

The Flex-bin is a concept that Engels developed especially for the French market. The lightweight, collapsible collection bins are adjustable for regular light strips as well as for the longer light strips as used for, for example, solariums.



Especially for the collection of neon tubes we have also designed a heavy-duty version.



Case for neon light tubes, for example used in collection vehicles. Dim. Ø 400x1200 order no. SK-4001200-2R.



Wecycle chose Sita (Endel Suez) to be the supplier for the collection bins in Dutch shops. In cooperation with Engels, Sita developed a collection bin which complies with the specifications for a retail shop.

SAFE TRANSPORT

UN-CERTIFIED PALLET BOXES

Because of their robust construction (maximum charge of 4500 kg stacked, per box 1000 kg) our pallet boxes are used as durable transport packaging for recycling of various materials, especially where other containers are insufficient. Most versions are also available in dark grey recycled plastic; marginally less strong, but cheaper.



Model for collection of accumulators.

Easy to empty through tilting thanks to the 3 strong runners and strong, straight walls. Version and stickers in accordance with ADR. Made out of recycled material, dim. 1200x1000x780. Order no. 1091/ACCU



UN approved pallet boxes with the same certifications as mentioned above, but with detachable hinged lids and diamond locks.



All pallet boxes can be equipped with loose lids or detachable, hinged lids.

art.nr.	content	dimensions mm	description
1091/C3T-UN	610 ltr	1200x1000x820	UN model on 3 runners
1091/XL-UN	930 ltr	1200x1000x1150	UN model on 3 runners
1091/XXL-UN	1100 ltr	1200x1000x1345	UN model on 3 runners



Neon light tube collection containers, standard and extra tall for solarium tubes.



Two-piece stainless steel hinge.

Because neon light tubes are sorted by hand, they are more and more collected and stored horizontally. Our containers are equipped with hinged, detachable lids. Diamond locks and latches for padlocks are optional.



Diamond lock.

art.nr.	content	dimensions mm	description
1091/C4-TLXL	825 ltr	1680x1000x820	UN model on 4 feet
1091/C3T-TLXXL	1085 ltr	2180x1000x820	UN model on 3 runners

SAFE TRANSPORT

UN-CERTIFIED CONTAINERS



UN approved collection and transport containers for hospital waste.

art.nr.	content	dimensions mm (lxbxh)	description
MGB 240 ZHA	240 ltr.	580x740x1070	2-wheel container, UN approved hospital waste
MGB 360 ZHA	360 ltr.	600x890x1100	2-wheel container, UN approved hospital waste
MGB 660 ZHA	660 ltr.	1210x765x120	4-wheel container, UN approved hospital waste
MGB 770 ZHA	770 ltr.	120x765x1350	4-wheel container, UN approved hospital waste



Single use hospital waste packaging.



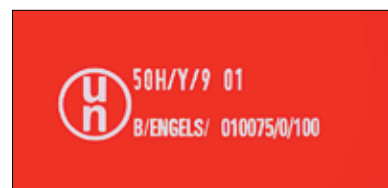
UN approved containers, adapted for the transport of environmentally hazardous materials.

Not everything is allowed in each container. Our containers have stood the tests, therefore they are officially admitted for the transport of all sorts of solid hazardous materials of class I and II, like asbestos or oil filters. They are equipped with stamp and diamond lock (open/close or only close version) as standard.

art.nr.	content	dimensions mm (lxbxh)	description
MGB 240 UN	240 ltr.	580x740x1070	2-wheel container UN approved hazardous materials
MGB 360 UN	360 ltr.	600x890x1100	2-wheel container UN approved hazardous materials
MGB 660 UN	660 ltr.	1210x765x120	4-wheel container UN approved hazardous materials
MGB 770 UN	770 ltr.	120x765x1350	4-wheel container UN approved hazardous materials



Locking mechanism for UN approved containers.



Standard print on UN approved containers.

Our containers are officially labelled as "large packaging". This new packaging group is, with or without inner packaging like boxes or bags, dictated for transport of environmentally hazardous materials with UN 3077 hallmark.

We would be happy to advise you about what materials can be kept in our containers and what not.

COLLECTION / RECYCLING

ENVIRONMENTAL BOXES BATTERY BOXES

Chemical waste arises everywhere. Materials such as oil, inks and solvents don't belong in normal waste incineration installations and should most certainly not be dumped or put down the drain. In order to keep such materials apart from normal waste we supply hazardous waste and battery boxes made of unbreakable, environment-friendly plastic.



Small collection container for NiCad batteries and button cells in 3-partition box.



Carton inlay



The 30 litre inner box is ready to use in a trice.



When the processor has the correct equipment, separation is no longer necessary and one insert-opening suffices or in some cases just the distinction between Ni-Cad en ordinary batteries is made.

art.nr.	content	dimensions mm (lxbxh)	description
3-210 B-2	9 ltr.	300x200x223	battery box, separate collection of batteries and button cells
3-210 B-3	9 ltr.	300x200x223	battery box, separate collection of NiCad batteries, standard batteries and button cells
3-204 B-1	20 ltr.	400x300x235	battery box, one insert opening
3-204 B-2	20 ltr.	400x300x235	battery box, separate collection of batteries and button cells
3-204 B-3	20 ltr.	400x300x235	battery box, separate collection of NiCad batteries, standard batteries and button cells

Battery boxes and hazardous waste boxes, standard provided with hinged lids, printed instructions and lid-clips, can be supplied from stock in blue and/or grey and can at request be hot-stamped with a logo or text. Their strength and ease of use make them particularly suitable for use at the working environment.



60 and 30 litres environmental boxes.

art.nr.	content	dimensions mm (lxbxh)	description
3-205 MK	30 ltr.	400x300x340	environmental box with instructions for use in offices
3-202 MK	60 ltr.	600x400x340	environmental box with instructions for use in offices
90118-1	30 ltr.	355x255x310	inlay box, auto-lock base
90118-2	60 ltr.	555x355x310	inlay box, "Swedish closure"

COLLECTION / RECYCLING

BATTERY TUBES UN CERTIFIED BINS



The battery tube has a volume of 32 ltr. (tube dimensions Ø120, L= 800).

The tube has a lid with the battery sparing and a diamond lock. The tube is fixed in the metal stander.

The stander is equipped with two handles with rubber profile, so that the tube can easily be emptied.

The lower edge of the standard has a rubber antiskid profile.



The product consists of two parts; the battery tube with stander and the floor attachment, which can be purchased in addition.

art.nr.	content	dimensions mm	description
BAT-120800	32 ltr.	Ø120x800	Battery tube for collection
BAT-120300	32 ltr.	Ø120x300	Battery tube, table model
BAT-120800-VBP	-	206x185x27	Ground securing plate for battery tube with diamond lock



RAKO 36-208-UN with behind it a RAKO 36-209-UN. The obligated indication of the class of risk is printed on the bin by means of a hot stamp.

When bins are brought into action for the transport of hazardous materials or waste overland, they have to meet the packaging guidelines of the ADR.

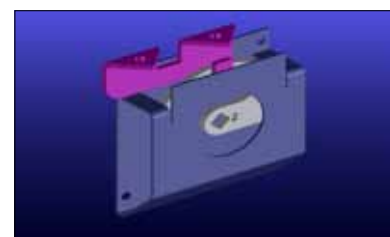
art.nr.	dimensions mm (lxbxh)	content	class of risk
36-208-UN	600x400x185	30 ltr.	I,II & III
36-201-UN	600x400x235	40 ltr.	I,II & III
36-6426-UN	600x400x293	53 ltr.	I,II & III
36-202-UN	600x400x335	60 ltr.	I,II & III
36-209-UN	600x400x440	90 ltr.	I,II & III

Labelling and printing, (liquid) density and drop and stack durability in extreme temperatures are subject to various rules and regulations

Through the years Engels has acquired a great deal of experience in this field.



UN/ADR approved transport bins type 4h2 for class of risk 1, 2 and 3 gained this approval partly thanks to the strong lid and the diamond lock that we developed on our own account.



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