



ECOMLIGHT



E-commerce light trolley for multi-client Picking

ID SERVICES offers truly innovative PUT TO LIGHT solutions to handle all types of "multi-client" / "multi-command" picking : the result of meeting the needs of users in the field and the creativity of our engineers. Light bars, light masts, light "ceilings", light boxes, and many powerful, reliable, robust, ergonomic, durable, easy and quick to install solutions, capable of adapting to all your operating constraints. Their integration is simple and independent of WMS. Of excellent quality, entirely designed and manufactured in France, these solutions are durable, easy and inexpensive to maintain. And, they are much cheaper than the usual systems, also contributing to improving the working conditions of warehouse workers.

MULTI-CLIENT PREPARATION IN FULL LIGHT!

ECOMLIGHT is a fixed luminous display system installed on small trolleys (used in particular in the field of textiles), making it possible to identify in real time the correct box of deposition of the articles during picking operations. It is particularly designed for the preparation of small E-commerce orders but, if necessary, it can be used in the context of more "traditional" activities. Combined with portable, "hands-free" or voice input terminals, this solution allows the simultaneous "multi-client" preparation of orders, with all the gains that this represents, in a simple, intuitive and reliable way.

The system guides pickers by illuminating the destination carton as they read the product code to be delivered, line by line. The cartons or boxes in which the collected products must be delivered are identified precisely (and without risk of being mistaken) by a coloured light. The LEDs are directional, easy and quick to locate for any preparer.



Pictures may differ from actual products depending on the choice of the trolley

- The LEDs (up to a maximum of 12 per trolley) are fixed on a small aluminium profile, mounted horizontally above the tray where the cartons or boxes to be filled are placed.
- An electronic box that controls the LEDs is installed on the trolley. It connects to the terminal via Bluetooth or directly in WIFI to the application server. This case contains two rechargeable batteries with a shift life of more than 8 hours.
- A specific software, using a proprietary communication protocol, drives the entire system in real time.
- Interfaces with any type of terminal (classic portable terminal, embedded or voice terminal, smartphone or tablet, under Windows or Android).
- Adapts to any type of small trolley, mobile or mobile desk studied to measure.
- Can be associated with any type of additional peripheral (for example one or two optional digital displays that indicate the quantities to be picked/dropped, a fixed scanner, etc.).
- Compliant with legislation: no risk of eye damage for operators.

For further information, please visit our website :
www.put2light.fr

Technical specifications

ECOMLIGHT

Controller
ECOMLIGHT



LED box



LED-PCB

(example)

Different models according to the ergonomics of the trolleys to be equipped

Luminous display

(optional)



Description	Electronic controller LEDs and luminous displays steering WIFI and/or BLUETOOTH	Fixed LED housing, with horizontal bar mounting system for the preparation trolley	High quality monochrome LED (blue, red, green, amber), assembled with optics on PCB ID SERVICES with regulator	Alphanumeric LED display 3 digits 16 segments
Dimensions (mm)	L 161 x l 81 x h 55	Depending on the ergonomics of the trolley	Depending on the ergonomics of the trolley	L 140 x l 40 x h 85
Weight	390 gr	Depending on the ergonomics of the trolley	Depending on the ergonomics of the trolley	500 gr per display
Outer material	ABS	Stainless steel + PMMA	PCB + PMMA lens	Stainless steel + PMMA 3° Angle
Processor	Microcontroller 8 bits + microprocessor 64 bits Quad-Core ARM Cortex A53 à 1,2 Ghz Broadcom BCM2387 chipset	-	-	-
Memory (SDRAM)	1 Go LPDDR2	-	-	-
Writing / Reading unit	Micro SD card up to 32 Gb	-	-	-
Communication	WLAN WIFI 2,4 Ghz IEEE 802.11 b/g/n Sécurité : WEP, WPA, WPA2 Modes : STA/AP/STA+AP/P2P Protocole intégré sur stack TCP/IP Bluetooth 4.1	Proprietary protocol	-	-
Operating system	LINUX	-	-	-
Programming	PYTHON / Language C	-	-	-
Indicator lights	1 charging LED Red/Green 1 flashing battery charge warning light < 20%	-	-	-
Buttons	1 side On/Off push button	-	-	-
Battery	2 x rechargeable Li-Ion 12 VDC	-	-	-
Operating life	> à 8 heures à 20° C	-	-	-
Loading time	Precise tests are being finalised	-	-	-
(discharged battery 0%, 20-25° C)				
Operating temperature	- 20° C à + 50° C on BLUETOOTH - 25° C à + 50° C on WIFI + BT under review	0° C à + 50° C	0° C à + 50° C	0° C à + 50° C
Storage temperature	- 30° à + 60° C	- 30° à + 60° C	- 30° à + 60° C	- 30° à + 60° C
Power input	110 - 230 VAC - 10 A / 24 VDC	24 VDC	PCB 24 VDC (LED 3V)	24 VDC
Power output	24 VDC	-	-	-
Maximum consumption	10 W	-	3 W per LED	10 W
Power supply connection / Communication	Input : 1 XLR female circular metal socket 3 poles Output : 3 circular 8 pole female metal socket	Input : cable with 1 aviation metal connector Gx16 8 pin male 16 mm Output : cable with 1 aviation metal connector Gx16 8 pin female 16mm	-	Input : cable with 1 aviation metal connector Gx16 8 pin male 16 mm
Tightness	IP 68	IP 65	-	IP 65
Restriction	Maximum 12 LEDs powered + 2 displays	Maximum 12 LEDs per controller	-	Maximum 2 displays per controller
Safety & regulatory conformance	This product meets the safety and regulatory criteria for normal use ENVIRONMENTAL: EU RoHS compliant; Chinese RoHS compliant			
Standard warranty	1 YEAR	1 YEAR	PCB 1 YEAR - LED LIFETIME	1 YEAR