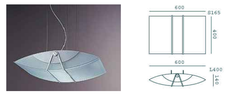
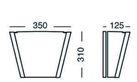
EQUIPMENTS DETAILS



Swinging lamp, lighting TC-F
4x36W, type Targetti Nebula

Manufacturer: TARGETTI
Model: NEBULA (or similar made by other manufacturer)
TC-F 36W :
N. Lamps :4 Watt : 36W
Weight kg : 1.8

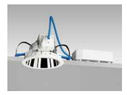
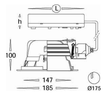
Swinging lamp for compact fluorescent lamps TC-F 4x36W. Four reactors to 230V Magnetic low loss. Diffuser in curved glass plate, printed internally and externally sandblasted. Shield upper transparent polycarbonate. Component in aluminum with metallic finish. Suspension cables max length 2100 mm with micrometric adjustment system height. Degree of protection IP20. According to(CEI-EN 60598-2-22) for installation in public space.



Wall lamp, lighting TC-D
26W, type Targetti Cheope

Manufacturer: TARGETTI
Model: CHEOPE (or similar made by other manufacturer)
TC-TEL 26W :
N. Lamps :1 Watt : 26W
Weight kg : 0.7

Wall unit for compact fluorescent lamps TC-D or TC-TEL lamps or incandescent E27 100W max. Diffuse emission light. Pressed glass diffuser with white satin finish outside and white inside the milk. Components in alluminium with metal finish. Degree of protection IP40.

False ceiling mounted lamp, type Targetti
CCT FLASH lighting TC-TEL 26W

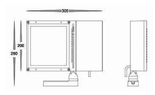
Manufacturer: TARGETTI
Model: CCT FLASH (or similar made by other manufacturer)
TC-TEL 26W :
N. Lamps :1 Watt : 26W
Weight kg : 0.8

Downlight for horizontally mounted compact fluorescent TC-T or TC-TEL lamps. White polycarbonate body and bezel. Polycarbonate reflector with "Scratch Proof formula" treatment and 99.9% pure aluminium deposited in high vacuum. Rapid mounting system to false ceilings by means of patented "one-touch" spring clips. Complete with remote ballast housed in a polycarbonate box with flexible positioning system. Luminous distribution: transverse 2x46°, axial 2x44°. Efficiency 59%. Hinged lampholder for easy relamping. Complete with remote electronic ballast. Maintained emergency version, autonomy 1hr. Restart time less than 0.5 seconds. For installation in public places.

Wall lamp water-proof, lamp 70W
HIT-Tc-CE, type Targetti Q-BO

Manufacturer: TARGETTI
Model: Q-BO (or similar made by other manufacturer)
HIT-Tc-CE 70W :
N. Lamps : 1 Watt : 70W
Weight kg : 6

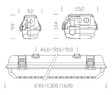
Wall and ceiling mounted lighting fixture for metal halide lamps for grazing light effect. Anodised aluminium body. Anti-glare reflector. Double emission. Quick and easy relamping thanks to rapid mounting system. Shutters, lenses and filters available for different lighting effects. Electronic ballast housed in the fixture's body. Complete with IP67 cable connector. 220/240V - 50/60Hz



Wall lamp water-proof, lamp 70W HIT-DE,
type Targetti Py-Quad

Manufacturer: TARGETTI
Model: PY-QUAD (or similar made by other manufacturer)
HIT-DE 70W:
N. Lamps : 1 Watt : 70W
Weight kg : 5

Rectangular asymmetric projector for metal halide lamps. Die cast aluminium body consisting of optic element and power supply located in separate housings. Die cast aluminium bracket and fixing plate. Anodised aluminium rectangular asymmetric optics. Extra-clear 8mm safety glass. Projector body 359° adjustable on the horizontal axis and -15° +105° on the vertical axis. Projector can be moved up to 7cm from mounting surface thanks to sliding of the bracket into an apposite rail. Access to optic element and pointing locking device by means of captive allen screws placed on front side of the fitting. Precabled with 1m H07RN-F 2x1,5mmq resinate cable placed on the back side of power supply to allow maximum installation flexibility. 220/240V - 50/60Hz. Electronic ballast housed in the fixture's body.



Policarbonate water-proof, lighting
2x36W, type Disano Hidro

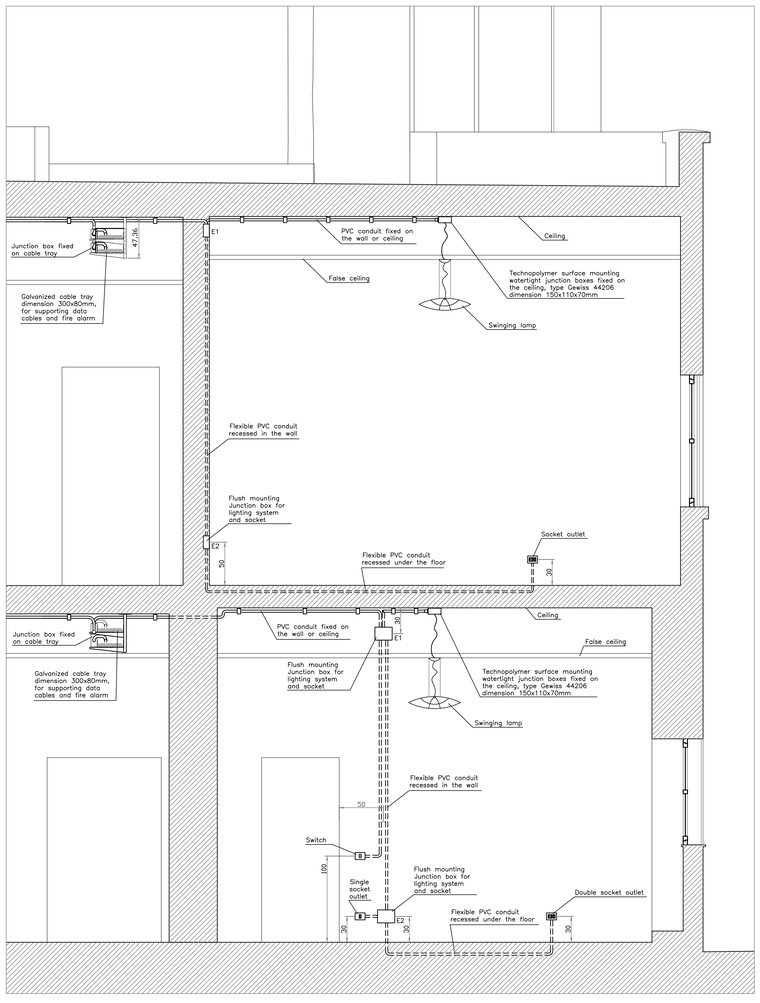
Manufacturer: DISANO
Model: HIDRO (or similar made by other manufacturer)
FL 2X36W:
N. Lamps : 2 Watt : 36W
Weight kg : 3,1

HOUSING: Injection moulded, in RAL 7035 grey polycarbonate, vandal resistant and self-extinguishing, UV stabilized, high mechanical resistance due to the frame reinforced by internal ribbing.
DIFFUSER: Injection moulded, in V2 self-extinguishing polycarbonate, UV stabilized, clear polycarbonate, prismatic inside for better light control and high lighting performance. The external smooth finish facilitates cleaning, essential to maintain maximum lighting efficiency.
REFLECTOR: In cold rolled steel, hot-dip galvanized, anti-cracking, coating with 7/8µ epoxy primer, UV-stabilized coating, anti-yellowing, high-gloss polyester, white, 20 µ thick.
LAMPHOLDER: In white polycarbonate, with phosphor bronze contacts. Socket G13.
ELECTRIC GEAR: 230-240V/50Hz power supply, with electronic ballast. Hard wire, 0.50 sqmm cross-section PVC-HTsheath resistant up to 90°C, according to CEI20-20 standards 2P+T terminal block with fuse holder, maximum allowed lead cross-section of 2.5 sqmm.
EQUIPMENT: 3.15 A protective fuse. Nylon fibreglass cable gland, Ø 1/2 gas thread.
Environment-friendly gasket in polyurethane foam. Latches in f.g. nylon. Provision for clamping with steel screws.
REGULATIONS: Produced according to applicable EN60598-1 CEI34-21 standards, degree of protection IP66IK08 according to EN60529. Can be installed on normally inflammable surfaces. It has been granted the ENEC European Certificate of Conformity. Glow wire tested at 850°C.
THE POLYCARBONATE WATER-PROOF LIGHTING fittings have a level of water protection rated at IP66IK08 if installed in environments with temperatures that do not exceed 45°C. Direct exposure to sunlight causes the temperature to readily exceed 45°C, compromising the degree of protection IP66IK08. The lighting fittings must be used appropriately without changing the mechanical and protection features and must not be installed on surfaces subject to strong vibrations, outdoors on cables
or poles.

Safety lamp, lighting 1x18W, with
storage battery, one hour autonomy

Manufacturer: DISANO
Model: SAFETY 615 (or similar made by other manufacturer)
FLC 11W:
N. Lamps : 1 Watt : 11W
Weight kg : 1

Housing: Vandal-resistant, self-extinguishing, UV-stabilized, anti-yellowing grey polycarbonate, .Diffuser: Vandal resistant, V2 self-extinguishing, UV-stabilised clear polycarbonate, anti-glare frosted inside; smooth, dust-proof outside
Reflector: Reflecting white polycarbonate.
Lampholder: Polycarbonate with phosphorous bronze contacts
Electric gear: -230V-240/60Hz power supply with electronic ballast. Hard wire, cross-section 0.50 sqmm, and high-temperature resistant (up to 90°C) PVC-HT sheath, in accordance with CEI 20-20 standards. 2P terminal block (maximum allowed lead cross-section 2.5 sqmm.).
Equipment: Rubber cable gland ø 1/2 inch gas thread (min cable ø 9, max ø 12 mm) to maintain IP65 protection.
Standard inspection LED
Regulations: Manufactured in compliance with EN60598 - CEI 34 -21 standards. The level of protection complies with the EN60529 standard.
S.A. Emergency (Maintained): In the event of a black-out the one lamp connected to the back-up circuit stays on, thus avoiding the inconvenience caused by a sudden absence of all light.
Emergency run time: 60 minutes. When power is restored, the battery recharges automatically in 12 hours.
On request: with troubleshooting (sub-code -0066).



DETAIL
Typical lighting wiring and socket
Scale 1:25

Switch

Manufacturer: VIMAR
Model: EIKON (or similar made by other manufacturer)

Control point composed by following equipments:
* 3-module flush mounting box, (Glow Wire 650 °C), for masonry walls, light blue
* 3-module mounting frame, with screws, for 3-module mounting boxes
* one or two 1P 16 A 250 V~ 1-way switch, replaceable button, white
* one or two blank module white round plate 3M Bright antique white

Junction box for electrical towel with switch, recessed in the wall, above 120cm the floor.

Manufacturer: VIMAR
Model: EIKON (or similar made by other manufacturer)

Socket point type 2P+T/unel 10/16A composed by following equipments:
* 3-module flush mounting box, (Glow Wire 650 °C), for masonry walls, light blue
* 3-module mounting frame, with screws, for 3-module mounting boxes
* one 1P 16 A 250 V~ 1-way switch,replaceable button, white
* one cable outlet with cord-grip, white
* round plate 3 module Bright antique white

Water proof socket outlet
10/16A, recessed in the wall,
above 30cm the floor.

Manufacturer: VIMAR
Model: EIKON (or similar made by other manufacturer)

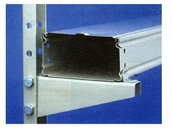
Socket point type 2P+T/unel 10/16A composed by following equipments:
* 3-module flush mounting box, (Glow Wire 650 °C), for masonry walls, light blue
* 3-module mounting frame, with screws, for 3-module mounting boxes
*one socket 2P+E 10/16 A 250 V~ SICURY socket outlet, Italian standard P17/11, white
* 3-module cover, with screws, for Eikon and Plana series, for 3-module flush mounting boxes, IP55, white
* round plate 3 module Bright antique white

Socket outlet 2P+G 10/16A,
recessed in the wall, above
30cm the floor.

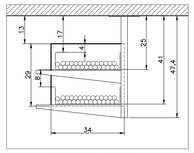
Manufacturer: VIMAR
Model: EIKON (or similar made by other manufacturer)

Socket point type 2P+T/unel 10/16A composed by following equipments:
* 3-module flush mounting box, (Glow Wire 650 °C), for masonry walls, light blue
* 3-module mounting frame, with screws, for 3-module mounting boxes
*one socket 2P+E 10/16 A 250 V~ SICURY socket outlet, Italian standard P17/11, white
* round plate 3 module Bright antique white

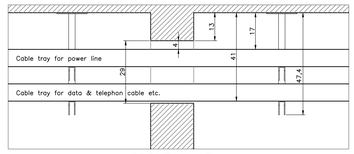
DETAIL
hole for passage cable tray
Scale 1:10



PICTURE



LATERAL VIEW



FRONTAL VIEW

Flush mounting junction box
for lighting system and socket

Manufacturer: GEWISS
Model: GW 48004 (or similar made by other manufacturer)
GW 48006 (or similar made by other manufacturer)

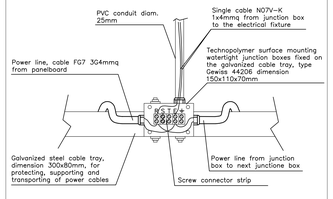
Flush mounting junction box for lighting system and socket
E1: dimension 152x98x70mm, model GW 48004
E2: dimension 152x98x70mm, model GW 48004

Flush mounting junction box for data system and security
E3: dimension 152x98x70mm, model GW 48004
E4: dimension 152x98x70mm, model GW 48004

Flush mounting junction box for lighting system and socket
E5: dimension 196x152x70mm, model GW 48006
E6: dimension 196x152x70mm, model GW 48006

Flush mounting junction box for data system and security
E5: dimension 196x152x70mm, model GW 48006
E6: dimension 196x152x70mm, model GW 48006

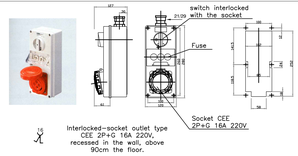
DETAIL
Typical wiring of junction box fixed
on cable tray



2 sockets outlet UNEL 2P+G
and 2P+G 10/16A, recessed
in the wall, above 30cm the
floor.

Manufacturer: VIMAR
Model: EIKON (or similar made by other manufacturer)

Socket point type 2P+T/unel 10/16A composed by following equipments:
* 3-module flush mounting box, (Glow Wire 650 °C), for masonry walls, light blue
* 3-module mounting frame, with screws, for 3-module mounting boxes
*one socket 2P+E 10/16 A 250 V~ SICURY socket outlet, Italian standard P17/11, white
* 2P+E 10/16 A 250 V~ SICURY socket outlet, universal, for 2P 2,5 A Europlugs, 2P and 2P+E 10 A and 16 A Italian standard plugs, 2P+E 16 A German standard plugs, white - 2 modules. Earth connection is not realized with 2P+E 16 A 250 V~ French standard plug
* round plate 3 module Bright antique white



Interlocked-socket outlet type
CEE 2P+G 16A 220V,
recessed in the wall, above
90cm the floor.

Manufacturer: GEWISS
Model: GW 66 226 (or similar made by other manufacturer)

BENGHAZI - LIBYA - CITY HALL RESTORATION-

FINASSET GENERAL CONTRACTOR

Architectural, electric and mechanical systems project

Architect in charge and team coordinator: Arch. Carlo Formichi

بحاز تنمية و تطوير المراكز الادارية

DRAWING	ES11	WORKING DESIGNE ELECTRICAL PATTERNS DETAIL OF LIGHTING AND SOCKET
SCALE	1:50	
DATE: 10 June 2009		
UPDATING: July 2009		

file: S0813TV11_G