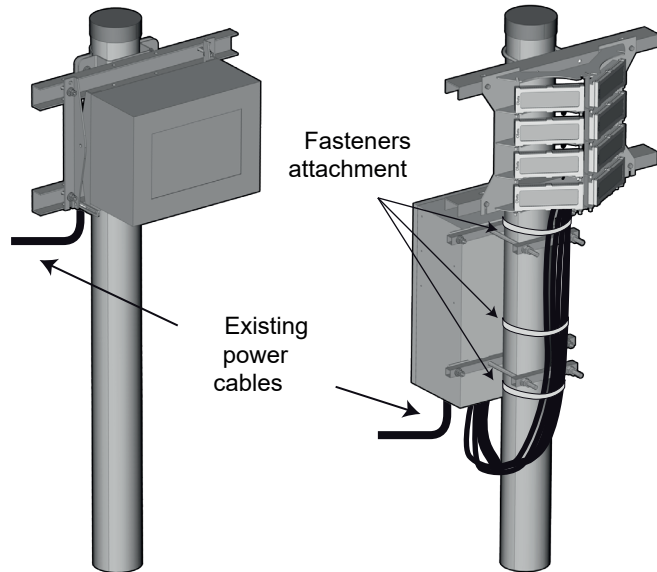**Before any operation : disconnect power from HI light!**
(from the junction box and/or from controller)

HI Xenon SS122
mounted on pole

OBSTA HI LED
(flash head + power supply)
mounted on pole

Fasteners
attachment

Existing
power
cables

Fixing attachment

Make sure to position the new flashhead above any balcony or lattice so that there would be no possibility to obstruct the light on horizontal beam

If the flashhead is mounted on a tube and need to be elevated, we can propose the bracket CO1841 adding an extra 20cm height compare to previous and existing bracket holes
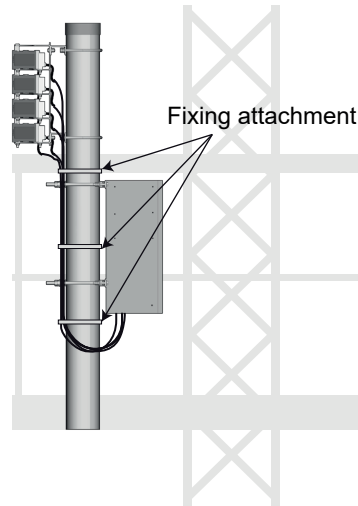
① **Mounting of flashhead**

Dismount the old light while keeping the fixing accessories, its beam orientation and by marking or labelling the power cables wires. Mount the new flashhead on the same metal angles than previous (543x388):
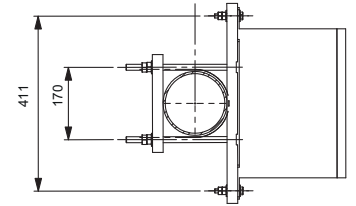
- 4 screws M8,
- 8 flat washers Ø8
- 8 nuts HM8

Dimensions in mm

543

388
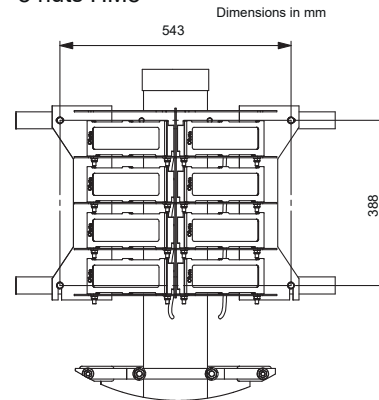
② **Mouting of power supply**

Mount the power supply close.

If the kit is mounted on a tube, use the OBSTA braket code 113789 (for tube Ø 150 mm maximum)

411

170

Ø maxi 150

2 THREADED RODS
M14 4 Flat washers
Ø14
8 nuts HM14

CABINET :
4 screw M10
8 Flat washers Ø10
8 nuts HM10
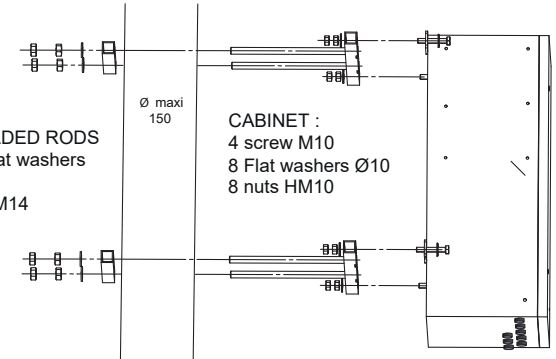
③ **Plug the 8 connectors of each projectors under the Power Supply**

Connecteur 1   Connecteur 2   Connecteur 3   Connecteur 4   Connecteur 5
Connecteur 6   Connecteur 7   Connecteur 8
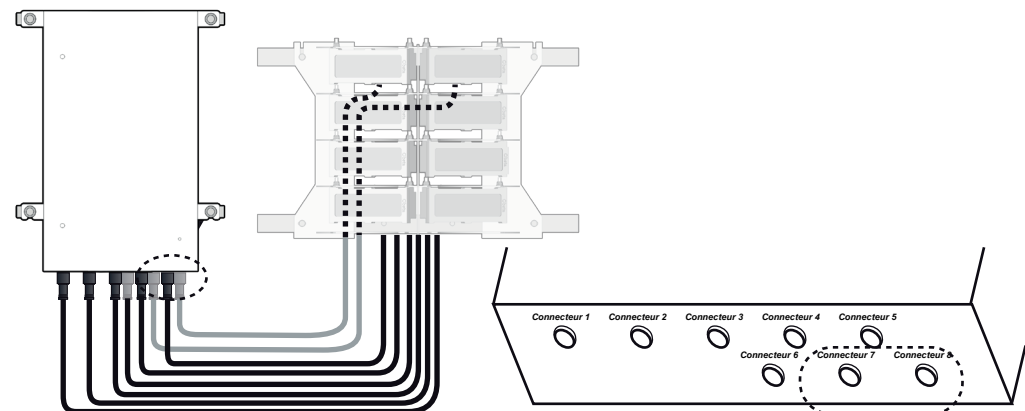
There is no connecting order to follow.
Only constrain are the 2 top projectors to be connected on plugs n°7 et n°8 located on the righ below the Power Supply

INSTALLATION GUIDE

④ Settings

For installations equipped with SS125 controler, a fault transmission card (code 113749) is equiped in each cabinet.

Assign to each light a unique number using the 5 micro-switch SW1 located on the default transmission card located on top of the cabinet

SW1

For example the Number 4 is assigned to this flashhead

ON
1 2 3 4 5

⚠️ The coding ot the 5 micro-switch SW1 is the same as the one of old flashhead following this table.
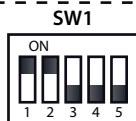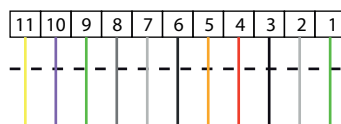
Flashead Number	Micro switch SW1					Flashead Number	Micro switch SW1				
	1	2	3	4	5		1	2	3	4	5
1	-	-	-	-	-	17	-	-	-	-	On
2	On	-	-	-	-	18	On	-	-	-	On
3	-	On	-	-	-	19	-	On	-	-	On
4	On	On	-	-	-	20	On	On	-	-	On
5	-	-	On	-	-	21	-	-	On	-	On
6	On	-	On	-	-	22	On	-	On	-	On
7	-	On	On	-	-	23	-	On	On	-	On
8	On	On	On	-	-	24	On	On	On	-	On
9	-	-	-	On	-	25	-	-	-	On	On
10	On	-	-	On	-	26	On	-	-	On	On
11	-	On	-	On	-	27	-	On	-	On	On
12	On	On	-	On	-	28	On	On	-	On	On
13	-	-	On	On	-	29	-	-	On	On	On
14	On	-	On	On	-	30	On	-	On	On	On
15	-	On	On	On	-	31	-	On	On	On	On
16	On	On	On	On	-	32	On	On	On	On	On

Inside of the Power Supply of the considered flashhead

Carte de défaut (option)
Fault transmitter (option)

PROJECTOR ① ⑪⑫ PCA6
PROJECTOR ② ⑨⑩ PCA5
PROJECTOR ③ ⑦⑧ PCA4
PROJECTOR ④ ⑤⑥ PCA3
PROJECTOR ⑤ ③④ PCA2
PROJECTOR ⑥ ①② PCA1

Carte de commande jour / Command board day
CCA
A P/N :113744HIL
COMMAND BOARD DAY

CCB
Carte de commande crépuscule - nuit / Command board twilight - night
B P/N :113744HIR
COMMAND BOARD NIGHT / TWILIGHT

PROJECTOR ⑦ ⑬⑭ PCB1
PROJECTOR ⑧ ⑮⑯ PCB2

Power control
S1
Up Remote
Middle Test mode
Down Remote
S2
Test Night II
Test Twlight 0
Test Day I

+48V	14
+48V	13
+48V	12

RELAY 6 Crepu/Jour Manu
RELAY 5 Nuit/Crepu Manu
RELAY 4 AUTO/MANU
RELAY 3 AUTO/MANU
RELAY 2 Crépu/Jour Auto
RELAY 1 Nuit/Crepu Auto

bas/ down
Alimentation à découpage 2
120-230Vac 48VDC
/ Power Supply 2
120-230Vac 48VDC

haut /up
Alimentation à découpage 1
120-230Vac 48VDC
/ Power Supply 1
120-230Vac 48VDC

SYNC HI	11
SYNC RTN	10
Moni inp	9
Moni ret	8
AC LO	7
AC HI	6
TWILIGHT	5
NIGHT	4
PHASE	3
NEUTRE	2
EQUIP GND	1

Sectionneur /Switch
PARAFOUDRE CITEL
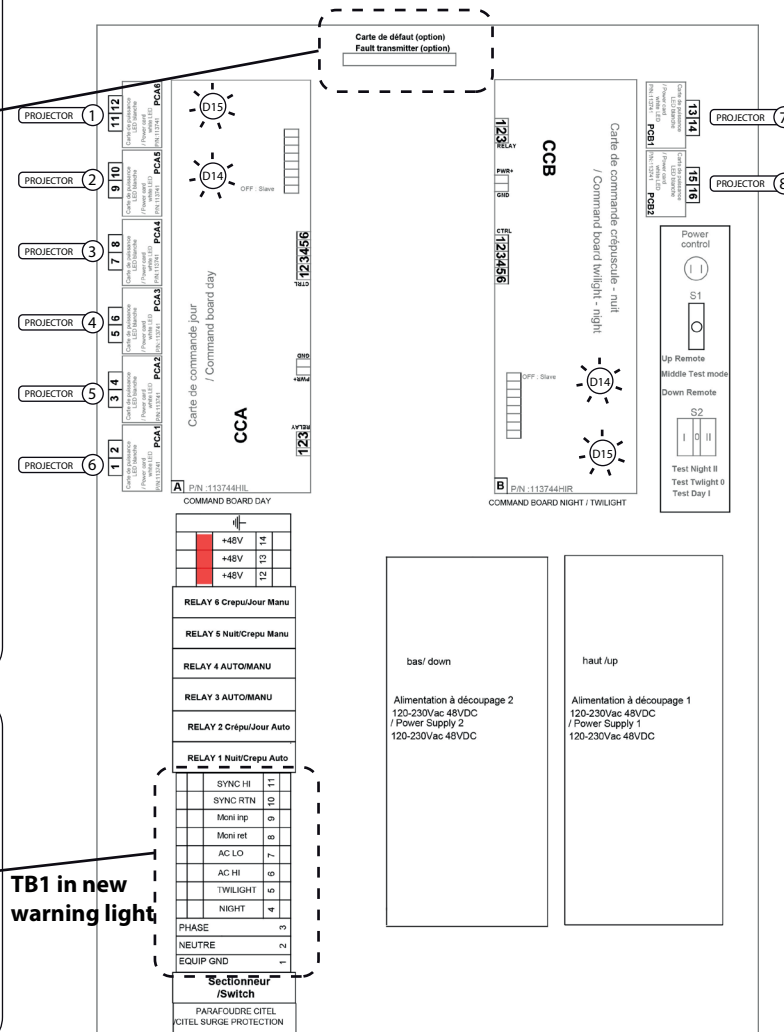CITEL SURGE PROTECTION

⑤ Wiring

Check the proper condition of the Power cable and connect to the terminal TB1 labelled from 1 to 11 following the same order than old HI Xenon lights dismounted previously.

Connect also the cable shield to earth (Terminal 1 of TB1)

TB1 in old warning light

| 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |

TB1 in new warning light

⑥ First operation

- Double check every wiring before switching on the power supply.
- Set S2 button in 'Test Day' position (forced 'day mode') : all projectors and all 2 green indicators D14 on the command cards must flash synchronized.
- Set S2 button in 'Test Night' position (forced 'night mode'), only the 2 top projectors on top of flashhead must be ON.
- Confirm that all flasheads are synchronized with each others.

- Simulate and alarm by unplugging at least 3 connectors n°1 to n°6, and then 1 of the 2 connectors n°7 et n°8 : the alarm indicator D15 on the corresponding command card (that is normally green) should be OFF and into the bottom controllern the alarm signal should turn ON to report the fault.
- Set S2 button in 'Night' position and close the door.
- It is advised for safety sake to add an extra protection (sealant tape) on the 8 connectors and 2-3 stainless steel fasteners on the projector cables.

INSTALLATION GUIDE