

2005 +++

# Perpetual (Tropical) SUNSHINE

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project by fabric | ch

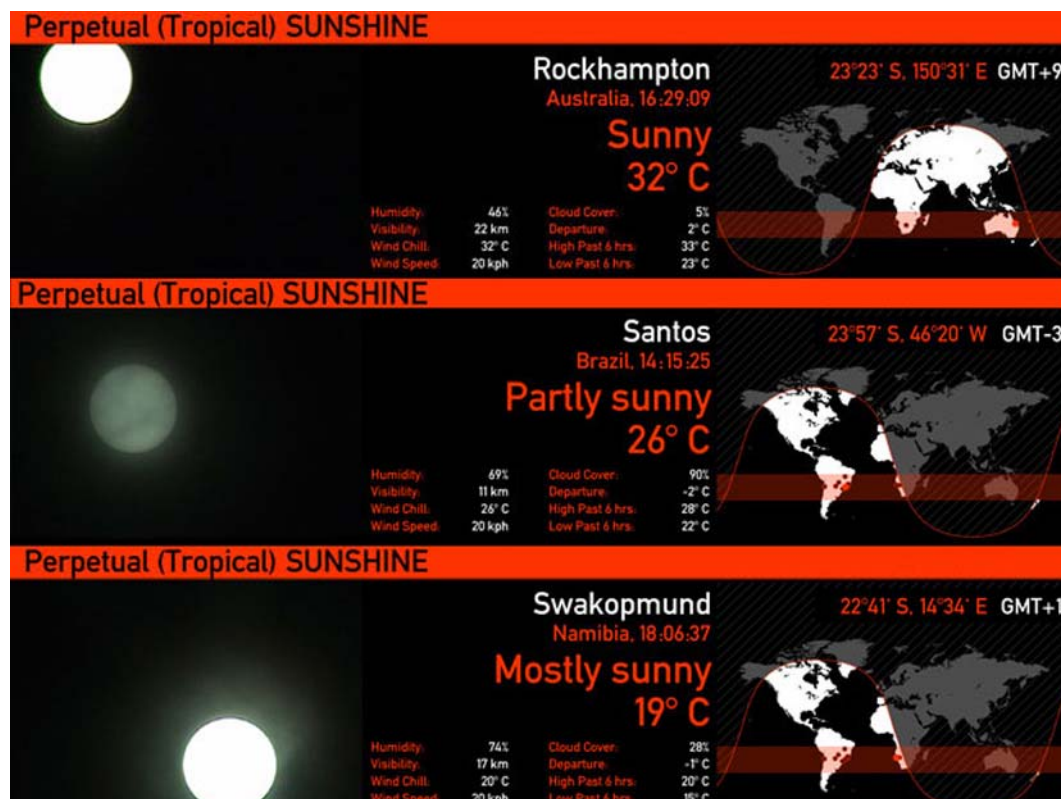
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with the support of sitemapping/mediaprojects (Swiss Federal Office for Cultural Affairs) and osram

summer displacement  
perpetual day & summer space  
tropical networking  
ex-dimensional architecture  
heating image & screen  
IR heated space



\_\_Perpetual (Tropical) SUNSHINE, outdoor installation in Lyon for Lyon Lumière 2005. Sun, Moon & beginning of night, rain. 1 big infra-red & heating screen made out of 300 infra-red light-bulbs (150W) displays a distant and live image of the sun. 3 small lcd screens in front of it are showing what data is Tropical software actually processing



\_\_snapshots on the 3 screens. 3 states of Tropical software where it has gathered informations and the live image of a located & active sun. 3 different examples of 3 distant cities captured under the tropic of Capricorn. on the left is the image that is displayed as well on the IR screen

# Perpetual (Tropical)

| City:         | Visibility:  | Temperature: | GMT: |
|---------------|--------------|--------------|------|
| Antofagasta   | mostly sunny | 20           | -4   |
| Iquique       | sunny        | 22           | -4   |
| Arica         | sunny        | 22           | -4   |
| Pozo Colorado | partly sunny | 27           | -4   |
| Juiz de Fora  | sunny        | 23           | -3   |
| Windhoek      | mostly sunny | 27           | +1   |
| Swakopmund    | sunny        | 17           | +1   |
| Walvis Bay    | sunny        | 17           | +1   |
| Kang          | sunny        | 26           | +2   |
| Mahalapye     | mostly sunny | 23           | +2   |
| Gaborone      | sunny        | 22           | +2   |

\_\_Tropical software phase 1 & 2: tracking for sunny locations and cities under the tropic of Capricorn then selecting a city and its weather data

## SUNSHINE

Antofagasta

Chile, 12:37:23

Mostly sunny

20° C

|                 |           |                |            |
|-----------------|-----------|----------------|------------|
| Dew Point:      | 12° C     | Pressure:      | 101.50 KPA |
| Wind Direction: | SSW       | Apparent Temp: | 19° C      |
| Wind Gusts:     | 38 kph    | Max Temp:      | 18° C      |
| Ceiling:        | 5,760.7 m | Min Temp:      | 14° C      |

\_\_Tropical software phase 3: checking for additional live climatic informations about a specific selected city



\_\_Tropical software phase 4: locating the city on the earth map

| Perpetual (Tropical) |     |     |     |    |    |    |    |    |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|-----|-----|-----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|---|
| 79                   | 73  | 59  | 41  | 30 | 19 | 14 | 10 | 9  | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 4 |
| 130                  | 115 | 91  | 62  | 39 | 27 | 15 | 12 | 9  | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 |
| 254                  | 255 | 136 | 80  | 53 | 33 | 18 | 14 | 10 | 8 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 |
| 254                  | 254 | 254 | 103 | 64 | 37 | 19 | 13 | 10 | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 2 |
| 254                  | 254 | 254 | 112 | 69 | 38 | 21 | 14 | 11 | 8 | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 |
| 254                  | 254 | 254 | 108 | 64 | 35 | 22 | 14 | 11 | 8 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 4 |
| 254                  | 254 | 145 | 90  | 54 | 33 | 19 | 13 | 10 | 8 | 8 | 5 | 6 | 4 | 5 | 4 | 4 | 4 | 4 | 5 |
| 142                  | 131 | 90  | 66  | 45 | 25 | 15 | 12 | 9  | 8 | 6 | 5 | 5 | 4 | 4 | 4 | 4 | 6 | 6 | 4 |
| 85                   | 71  | 54  | 43  | 28 | 20 | 13 | 10 | 8  | 6 | 5 | 5 | 5 | 4 | 2 | 4 | 4 | 4 | 4 | 4 |
| 44                   | 41  | 32  | 30  | 20 | 14 | 11 | 9  | 8  | 6 | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 5 |
| 25                   | 23  | 20  | 18  | 14 | 10 | 10 | 8  | 6  | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 4 |
| 19                   | 15  | 14  | 12  | 11 | 10 | 8  | 6  | 6  | 5 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 3 |
| 12                   | 11  | 10  | 10  | 9  | 8  | 6  | 7  | 5  | 4 | 5 | 4 | 5 | 4 | 6 | 4 | 3 | 4 | 3 | 3 |

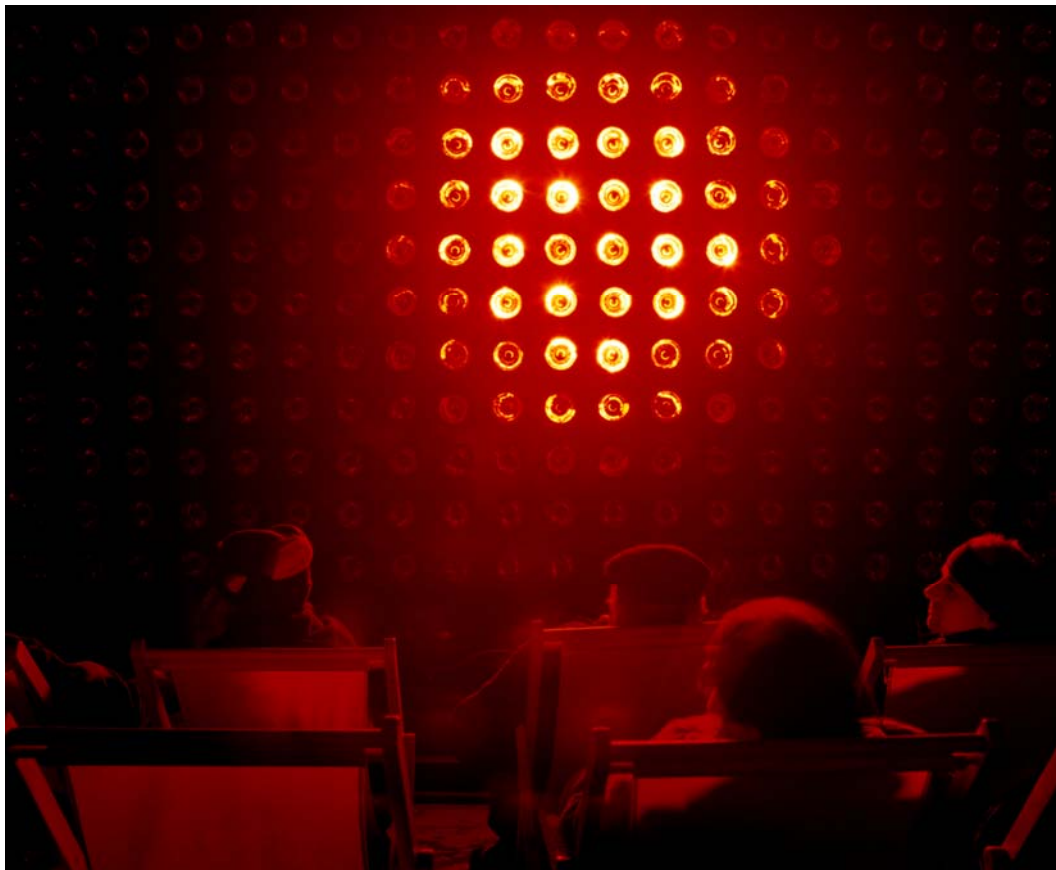
\_\_Tropical software phase 5: opening the live image of the city's sun. verifying if it is active and not behind a cloud. the image processing software is always active and is checking for the intensity of the sun's illumination



# Perpetual (Tropical)



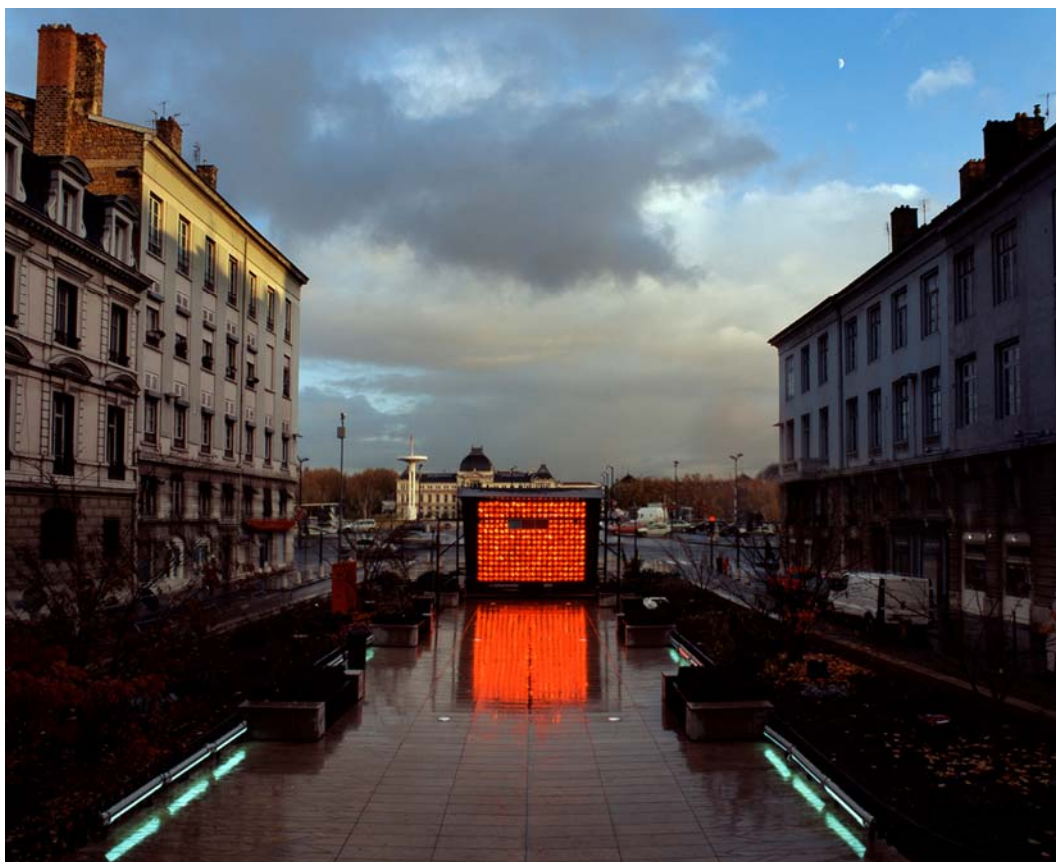
\_\_Tropical software phase 6: displaying the selected and checked image of the active sun on one of the lcd screens



\_\_the selected and processed image of the live sun being displayed on the infra-red screen: a heating image in Lyon, a captured summer and day condition displayed within northern hemisphere's winter and night



—people lying under the abstract IR sun

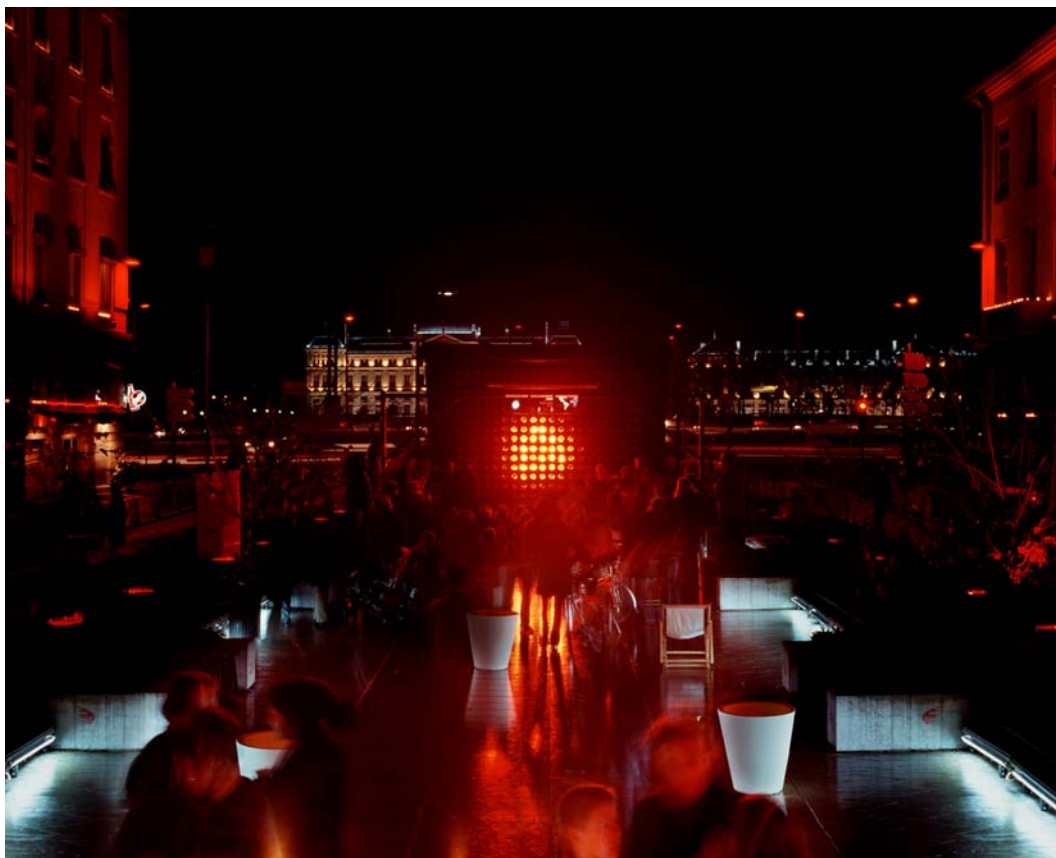


—installation in Lyon, full screen, end of day time

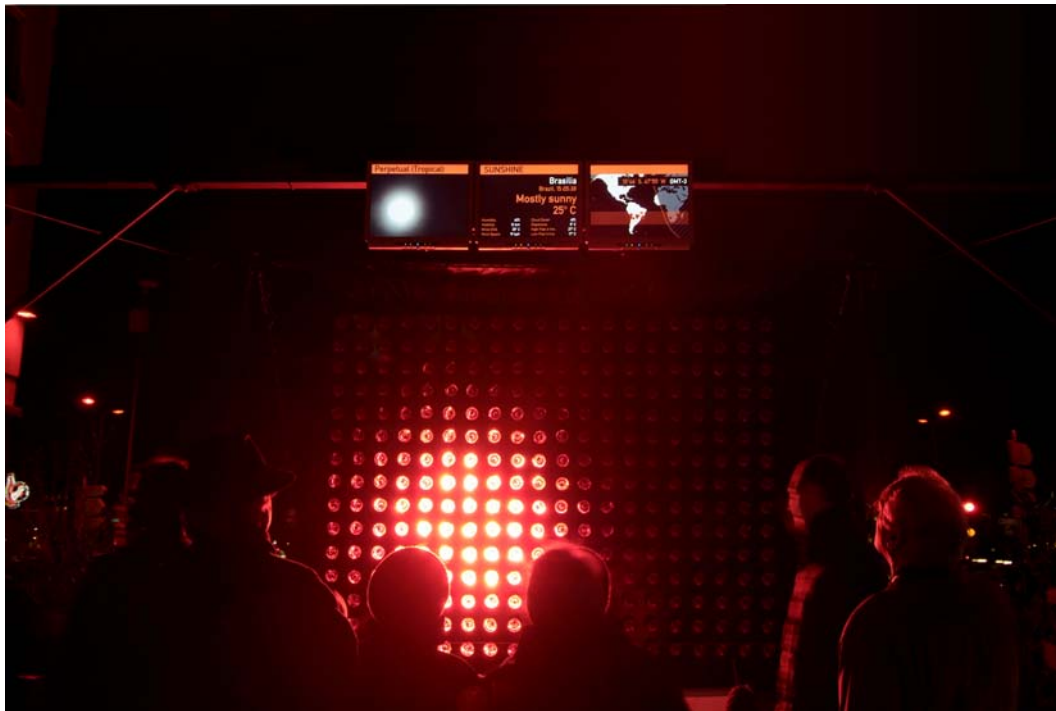




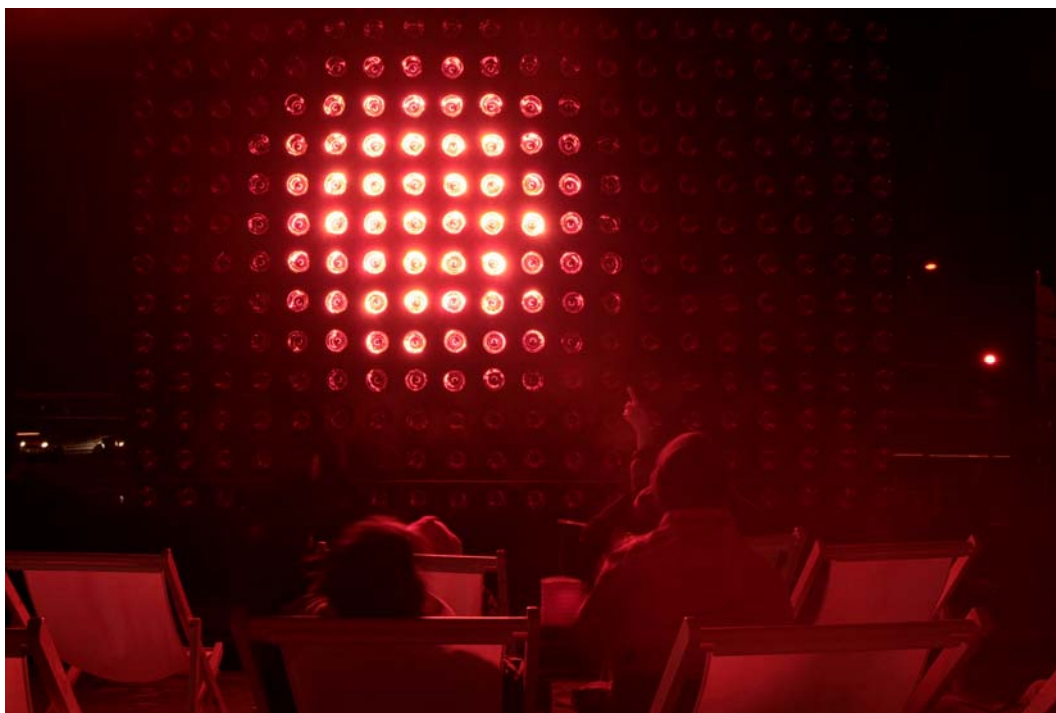
—Lyon Lumière's installation, December 2005, 4.45 pm



— Lyon Lumière's installation, night condition, 10.30 pm



\_\_people warming up in front of Perpetual (Tropical) SUNSHINE and witnessing the 3 screens dedicated to Tropical software activity

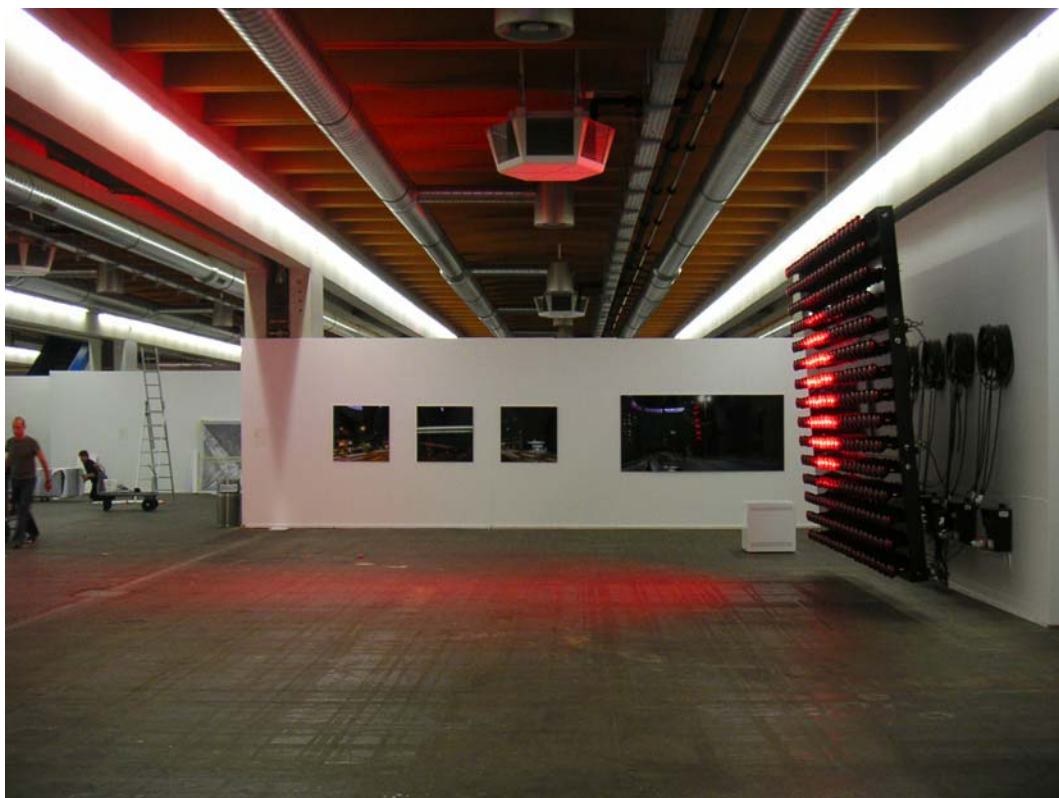


\_\_an artificial tropical sunrise in Lyon, December 2005

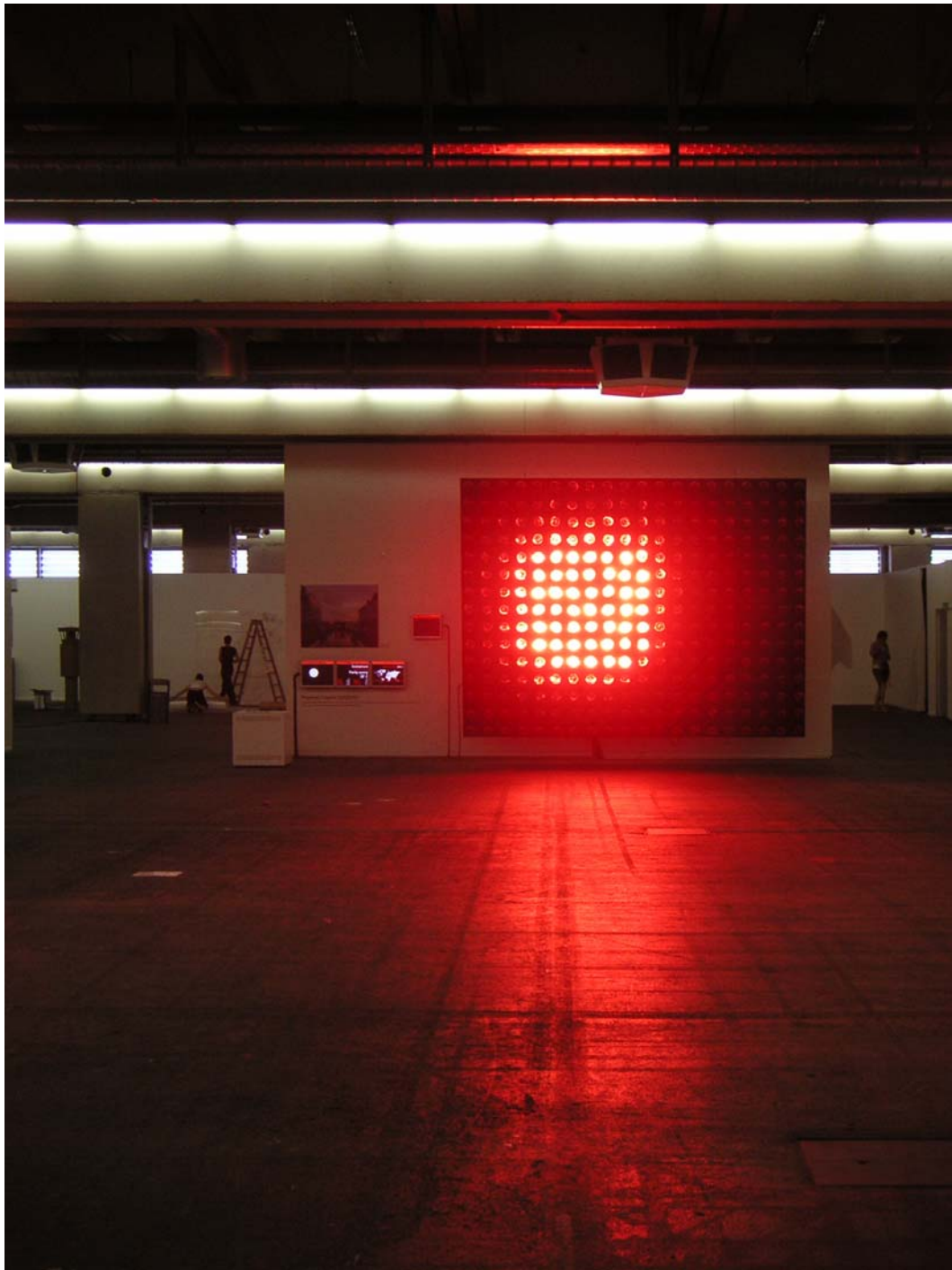




—installation of Perpetual (Tropical) SUNSHINE at the Swiss Art Awards 2006, in the edge of the Art | Basel. Sun partially overcast.



—installation in the exhibition space of the Swiss Art Awards 2006, lateral view



\_\_\_Perpetual (Tropical) SUNSHINE, sun of the 27th of may, 2006, Rio de Janeiro / Basel

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# Perpetual (Tropical) SUNSHINE

## Perpetual (Tropical) SUNSHINE, Lyon

At the invitation of the "Robin des villes" association, fabric | ch created a displaced architectural space called Perpetual (Tropical) SUNSHINE for the Lyon Festival of Light 2005.

This space is out of sync both temporally and climactically. A spatial screen, composed of 300 infrared light bulbs, transposes the state and image of a summer sun on the 23rd South parallel, thanks to live information transmitted by a network of weather stations all over the Tropic of Capricorn and around the globe.

Thus, the spectator can constantly track the path of the sun, thereby experiencing an abstract and never-ending, planetary form of day and of summer, across longitudes and time zones.

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### Context:

During the last twenty years, the citizens of European and North-American cities have seen an increase in the number of external heating systems using infra-red lamps installed on terraces during winter. This use of urban space, characteristic of the summertime, whereby people sit down to linger over a coffee and check out the passers by, can thus prolong the few weeks or months of suitable climate the summer usually grants us. Thanks to these infra-red lamps, a typically southernmost behavior slowly permeates the more northerly parts of the northern hemisphere, making it possible for people to spend more time outdoors, together in public spaces.

It is always surprising to witness such transformations in people's urban behaviour. In this case, this use of public space during winter is mainly due to the use of these artificial heating and air-conditioning systems. Today, people can stay outside on café terraces all year long in Paris, Berlin, London and even in Oslo or Stockholm, taking advantage of these localised spaces of artificial summer. Such behavior signals the rise of new types of contemporary spaces, whereby man takes control of the natural conditions of his environment in order to increasingly adapt them to his cultural needs and requirements. Whilst the artificiality increases, new spatial paradigms and artifices become possible.

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### Project:

Perpetual (Tropical) SUNSHINE proposes to push even further the concretization of these new types of spaces based on built on dimensional handling. It tries to render visible and comprehensible the major variations which take place today in the Western way of inhabiting contemporary spaces whilst creating a new type of space, a "stimulated" space. So as to achieve this goal, the project creates a new type of screen, at the same time visual and tangible.

Perpetual (Tropical) SUNSHINE is a "spatial" screen composed of 300 infrared light bulbs which perpetually diffuses a video sequence of the sun, between 600 and 1000nm, between light and heat, using the real-life climatic conditions found under the tropic of Capricorn. Each time the sun diffused by this "spatial" screen moves out of the camera's range, (Tropical) SUNSHINE Software, developed for the occasion by fabric | ch, seeks a new active sun on the network, elsewhere on Earth, in another place, in a different time zone. The image of this active sun, diffused by the 300 infra-red lamps, heats the space located in front of it. This part of the space is thus informed by the tropical sun, defined by heat, distant place and time zones and consequently becomes a displaced and stimulated tropicality.



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