



Beyond the Stars

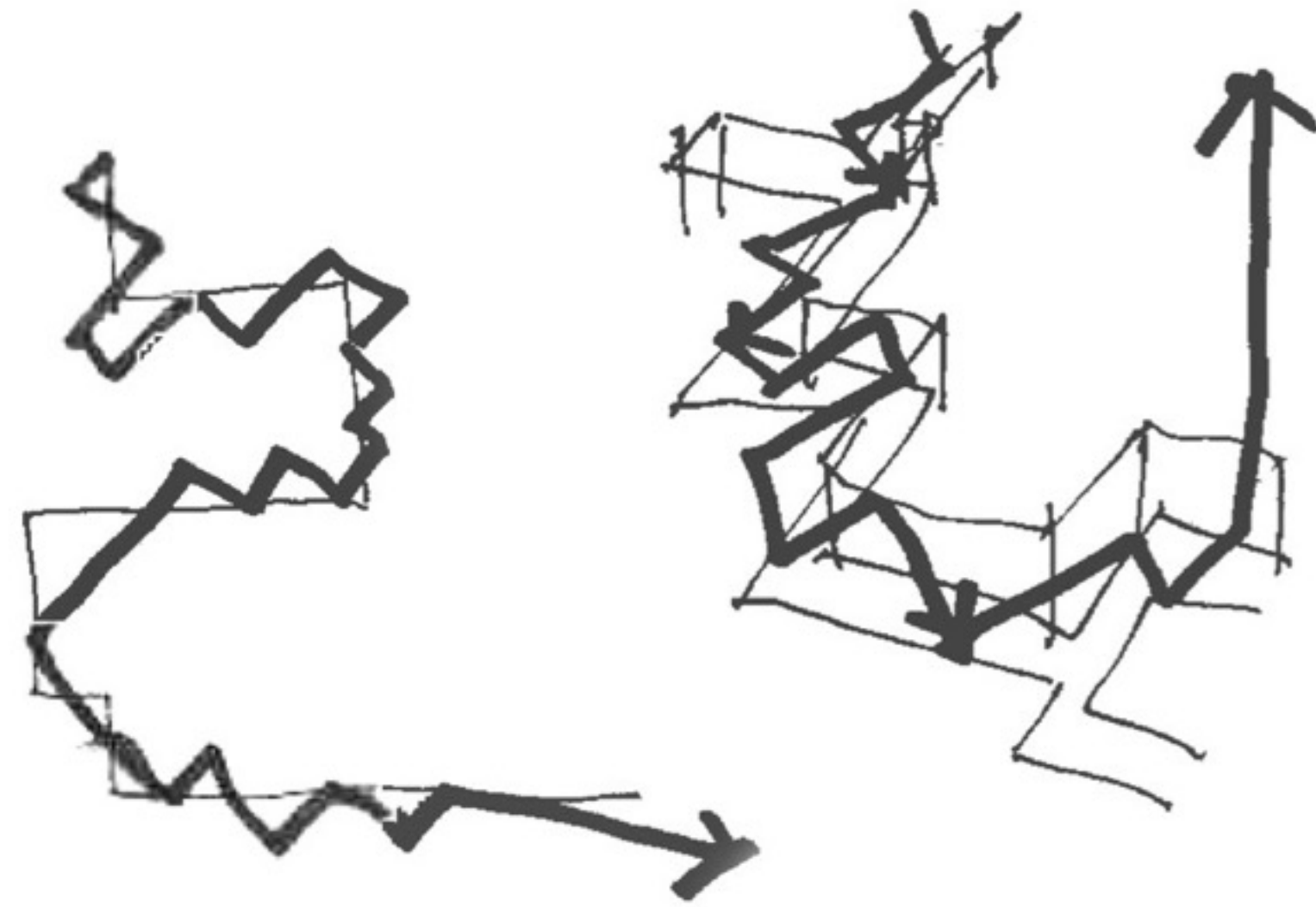
Draft Master and costing / Hull 2017

Where Do We Go From Here

Hull2017 Program

In our last major commission for, and as a challenging companion piece to Made in Hull, Jason Bruges Studio will shine an enquiring light through Hull's old town. This ambitious intervention will produce a playful manipulation of light, responding to the city's unique geometries and architecture revealing unseen spaces and pin pointing unconsidered details. The work, accompanied by new soundscapes seeks to propel us into a bright and yet unknown future, engaging everyone in arguably the most important question of the year for Hull and the nation; what kind of place do we wish to live in? What role should culture play? Where do we go from here?

Jason Bruges Studio is critically acclaimed for producing innovative light installations in site specific environments across the globe.

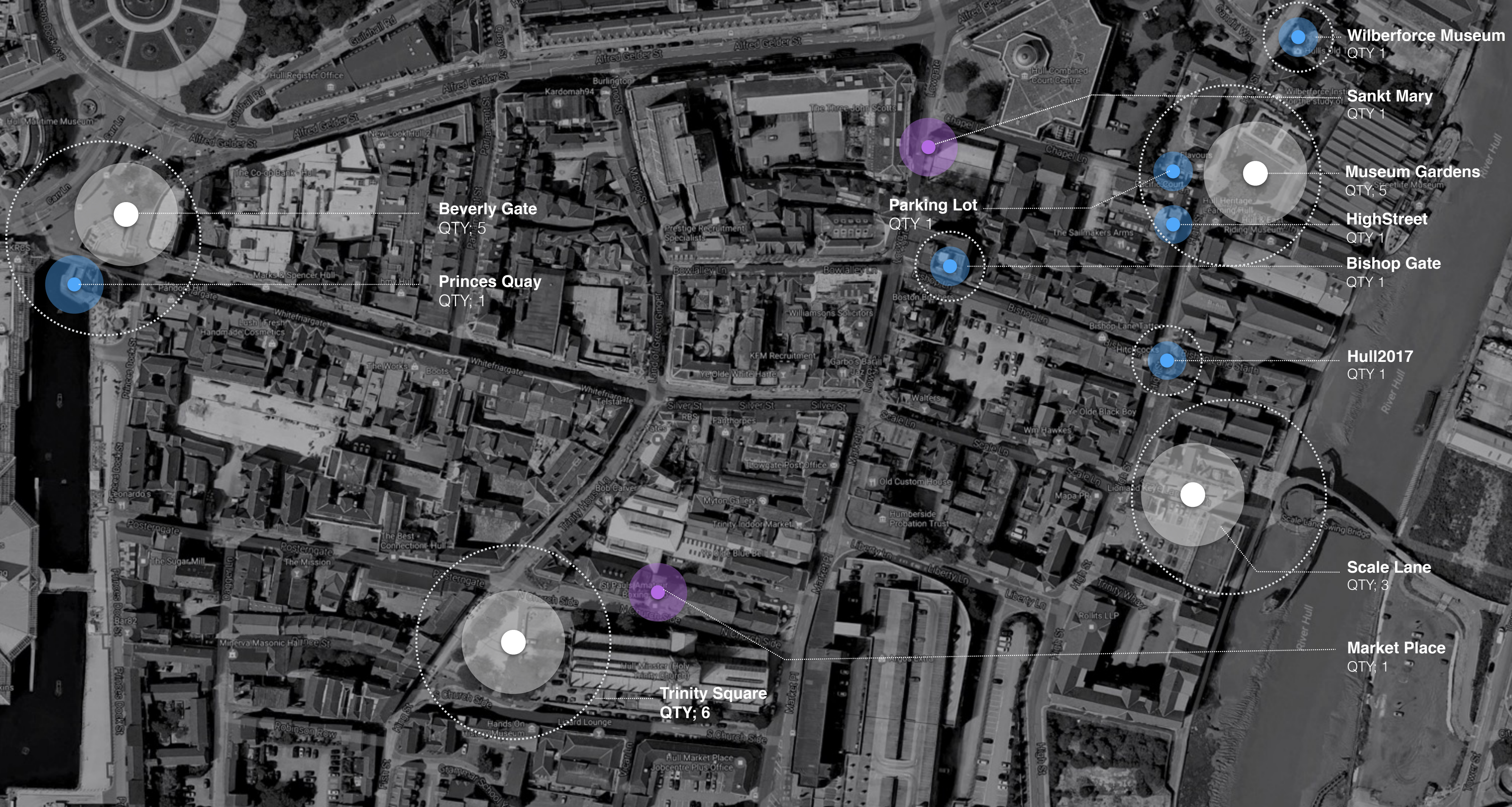


Hull Old Town | Dec-Jan



Draft Masterplan

Potential Locations

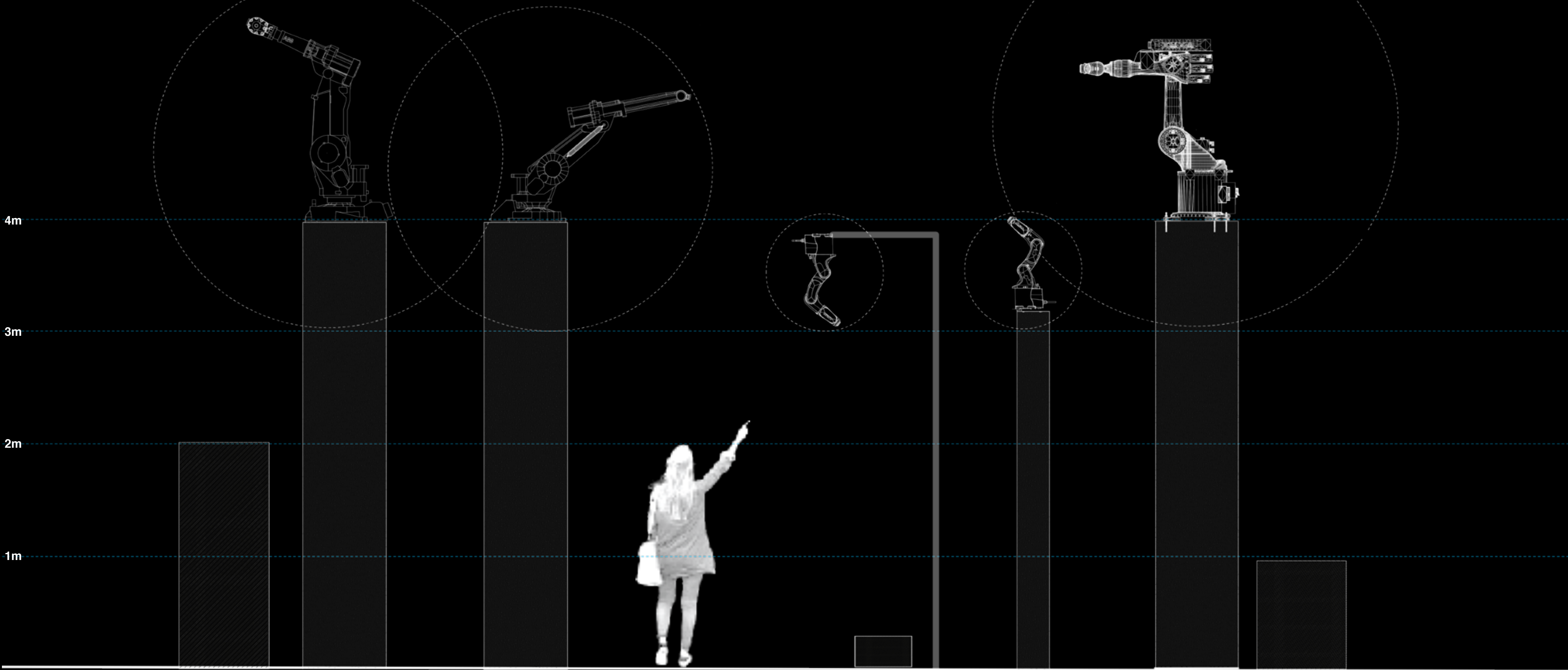


Multiple Robots
 Single Robots
 Moving head lights for special events
 Sites / power and control shared at these locations

Based on 25 IRB2400

Configurations

Robots



ABB

M
IRB2400 Robot
S4C+ Controller

M
IRB1400 Robot
S4C+ Controller

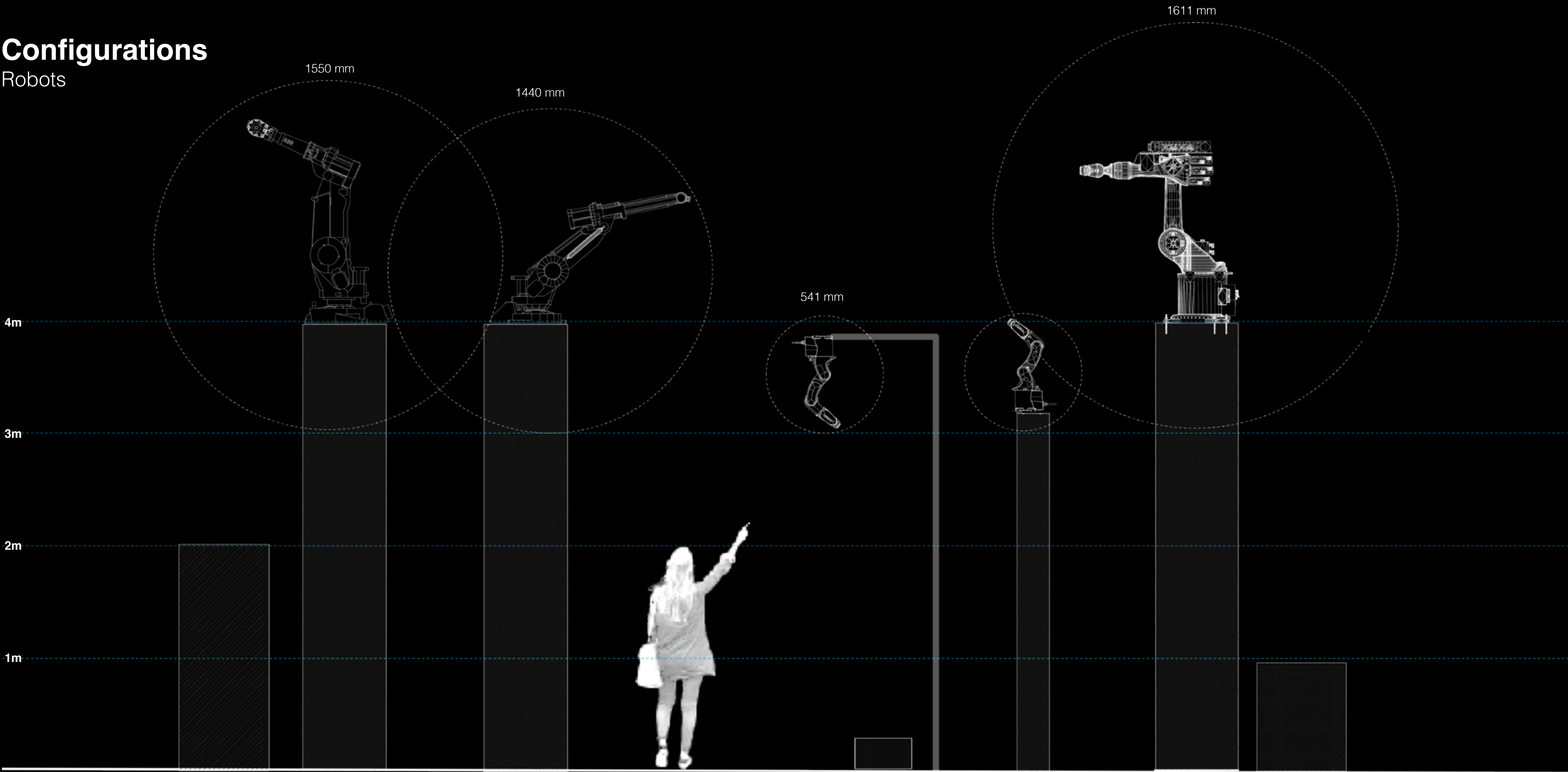
Kuka

s
KR3 Robot
KRC4 Compact Controller

M
KR16 Robot
KRC4 Controller

Configurations

Robots



ABB

M
IRB2400 Robot
Payload 12-20kg
Weight 380kg

M
IRB1400 Robot
Payload 5kg
Weight 225

Kuka

S
KR3 Robot
Payload 3kg
Weight 26kg

M
KR16 Robot
Payload 6-16 kg
Weight 235-245kg

Configurations

Scale



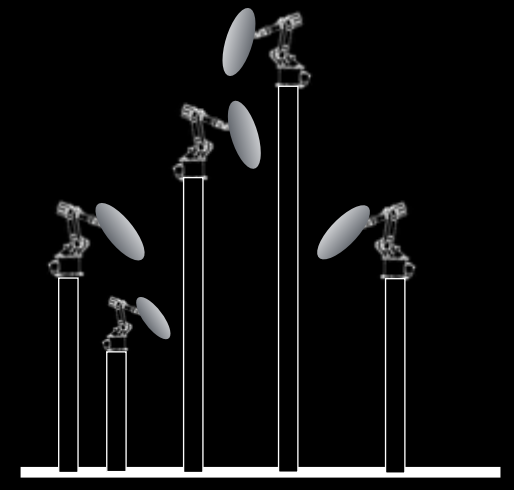
KR3 S

KR16 M

Structural Arrangement

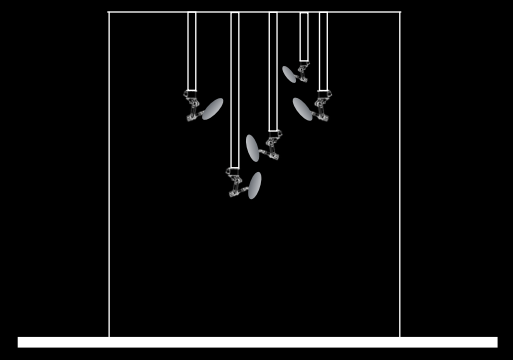
Typologies

Spectacle
Open space



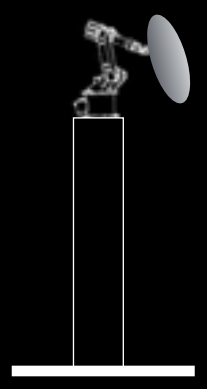
M

- 5 Beverly Gate
- 5 Scale Lane
- 5 Museum Gardens
- 3 Prince Street



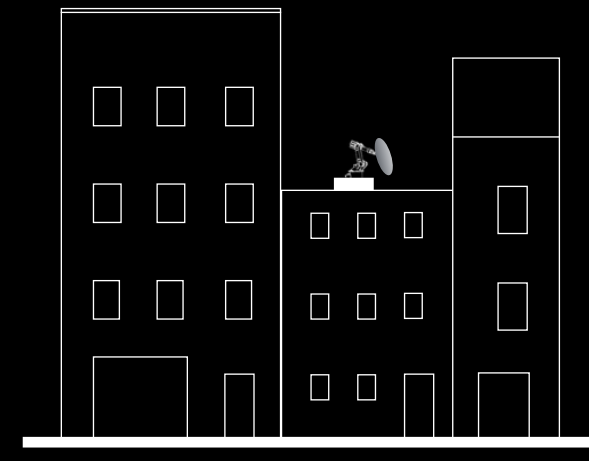
S

Contextual
Streets



SM

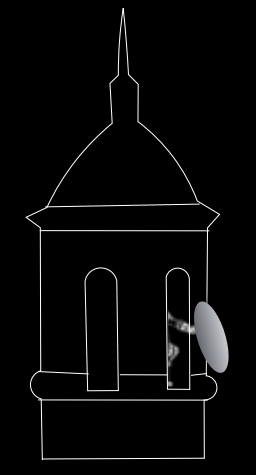
- Princes Quay
- Swing Bridge
- 39 High Street / Hull2017
Main office
- 165 High Street / Crown
Court parking lot
- 25 High Street /
Wilberforce Museum



M

- Low gate House Roof /
Bishop Lane
- 160 High Street

Beacons
Towers



- Market Place
- St Mary

Spectacle

Cluster



KR3 Cluster of 10



KR16 Cluster of 5

Concept

Effects



Light Beacons Large Scale

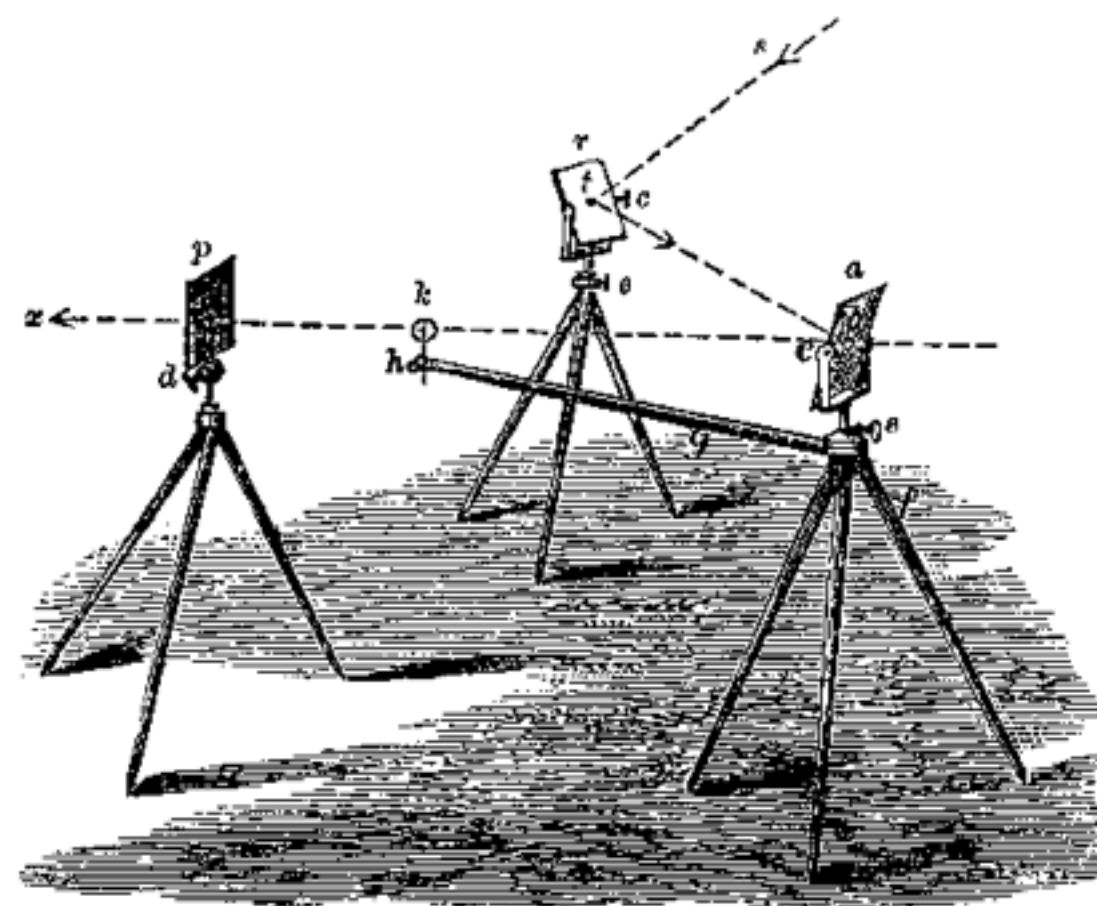


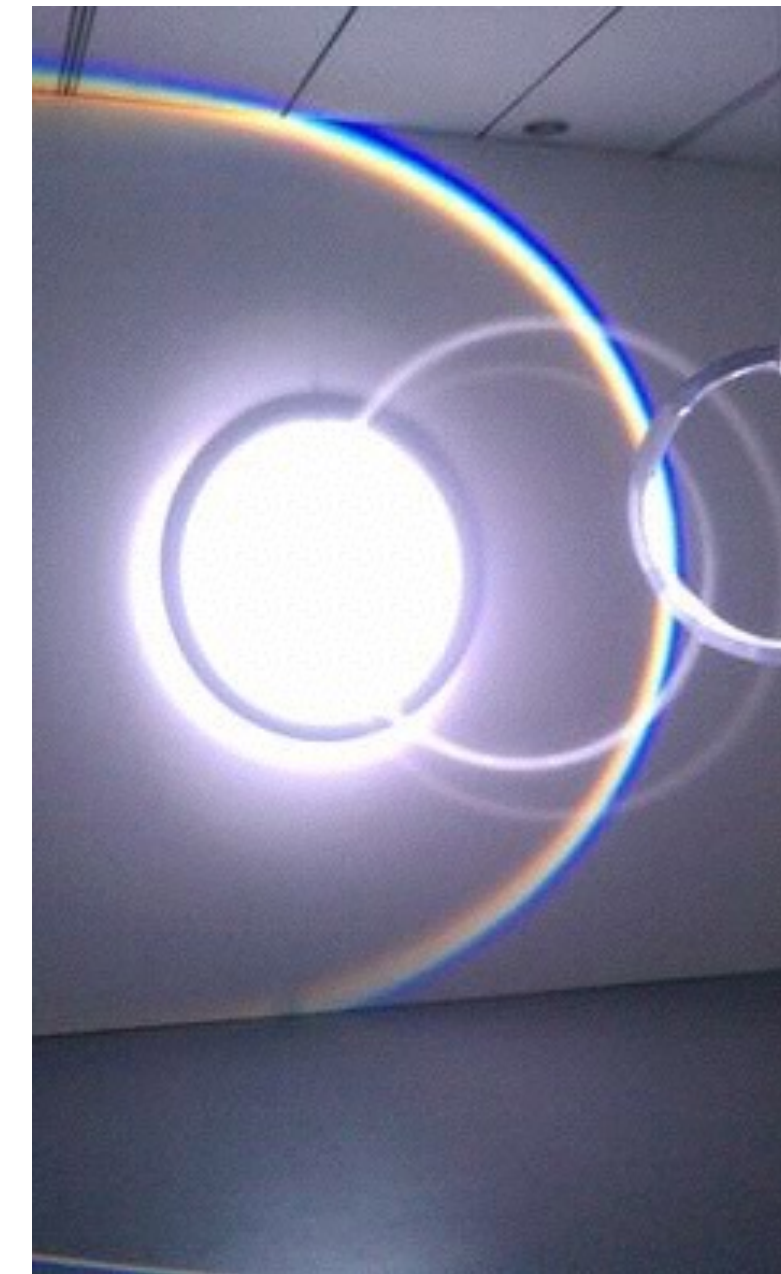
Fig. 7.—Begbie's Field Heliograph.

(a) Signalling Mirror; (b) Sighting Hole with white Disc; (c) Small-motion Screw for vertical adjustment; (d) Key, for signalling, on Screen (p); (e) Small-motion Screw on Tripod for horizontal adjustment; (f) Tripod; (g) Sighting-Bar clamped to Tripod; (h) Screw for clamping Cross-wire Frame; (k) Cross-wire Frame; (r) Sun Mirror; (t) Sighting-hole with black Disc; (p) Screen; (s) Sun ray; (z) Sighting-line and direction of reflected ray.

Communication Network

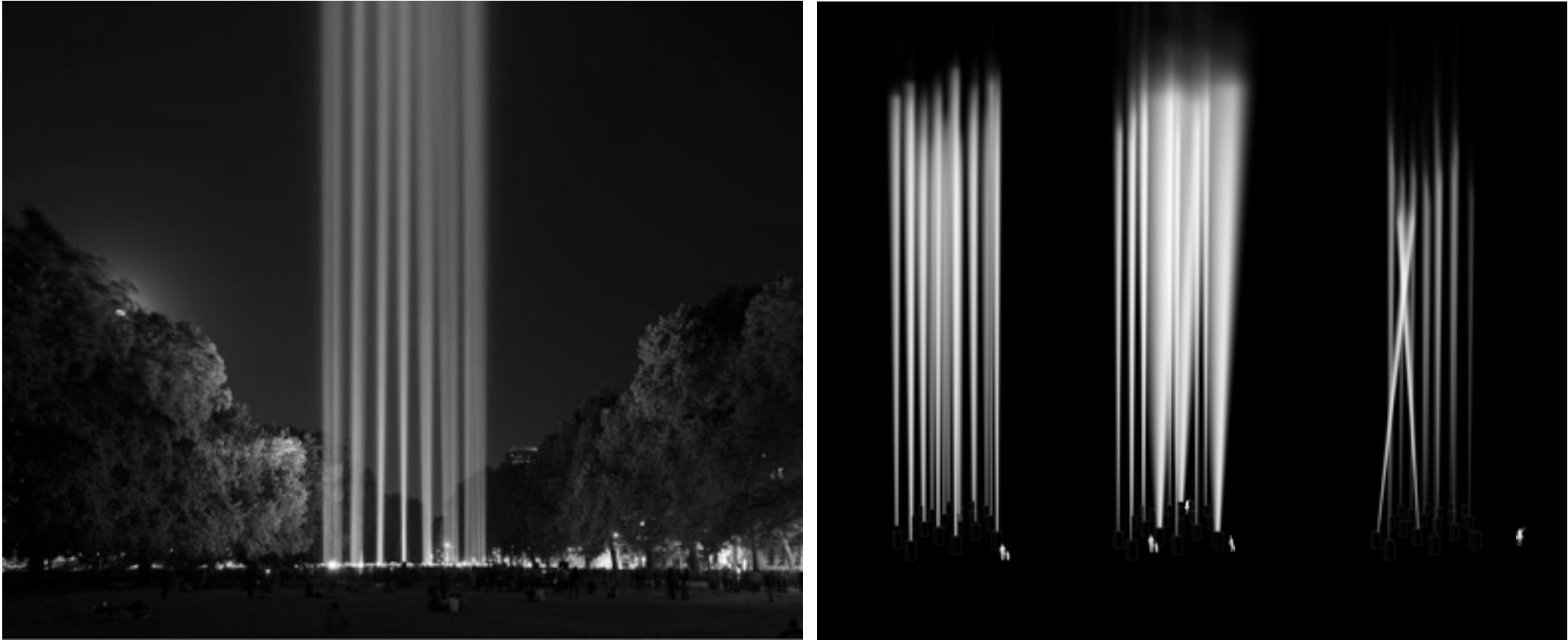


Urban Theatre Effects



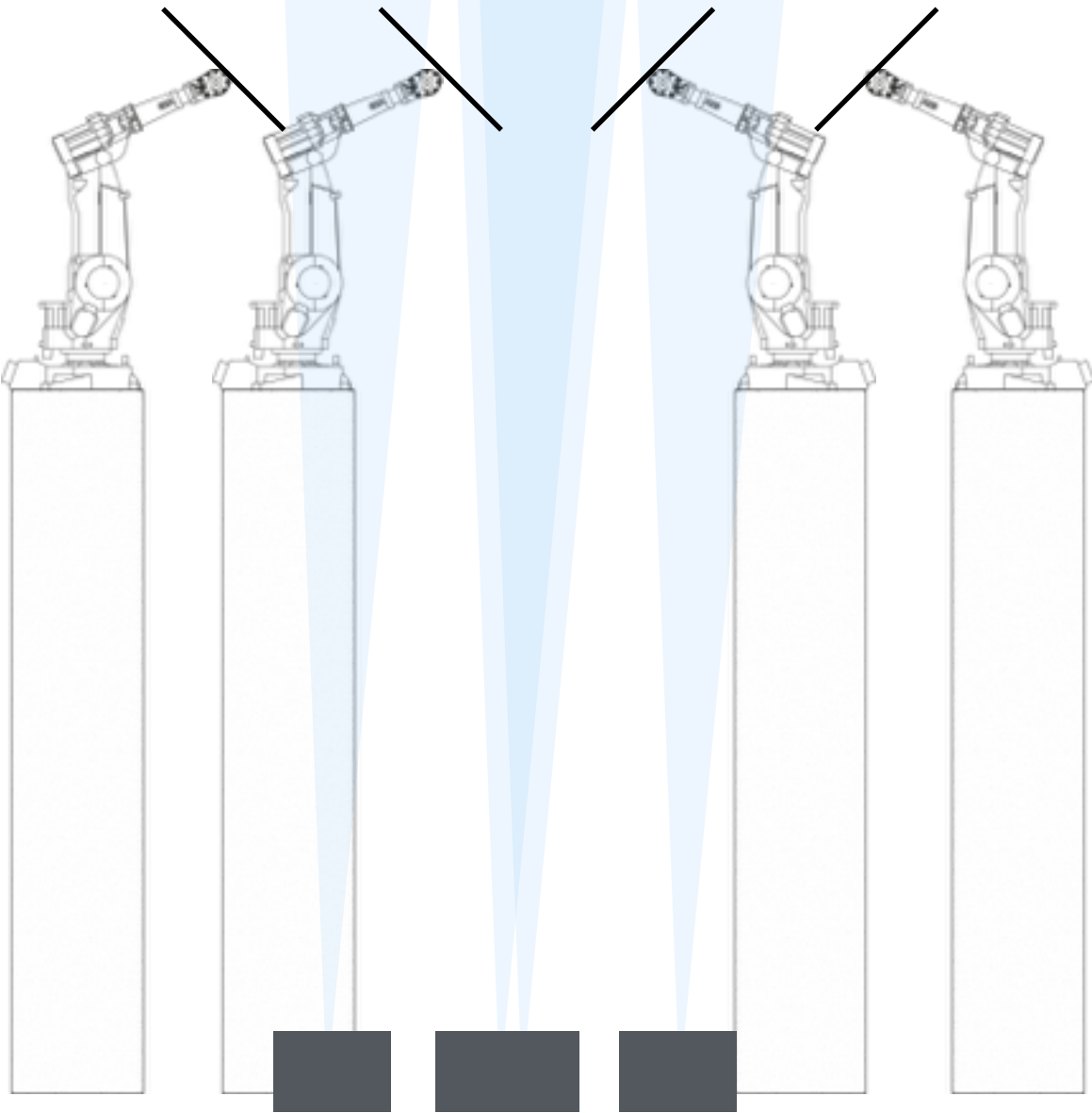
Beacons

Navigation

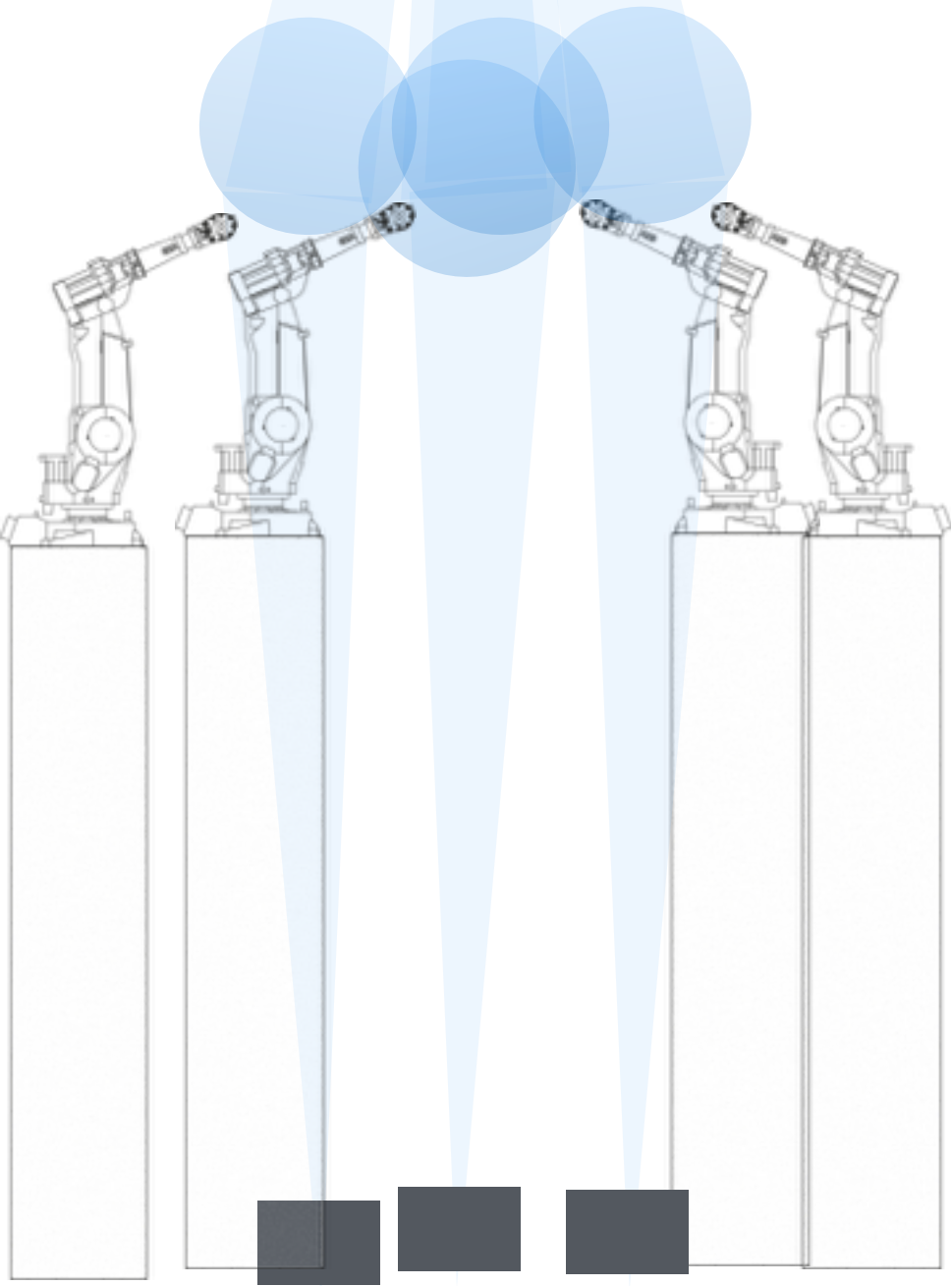


Beacons

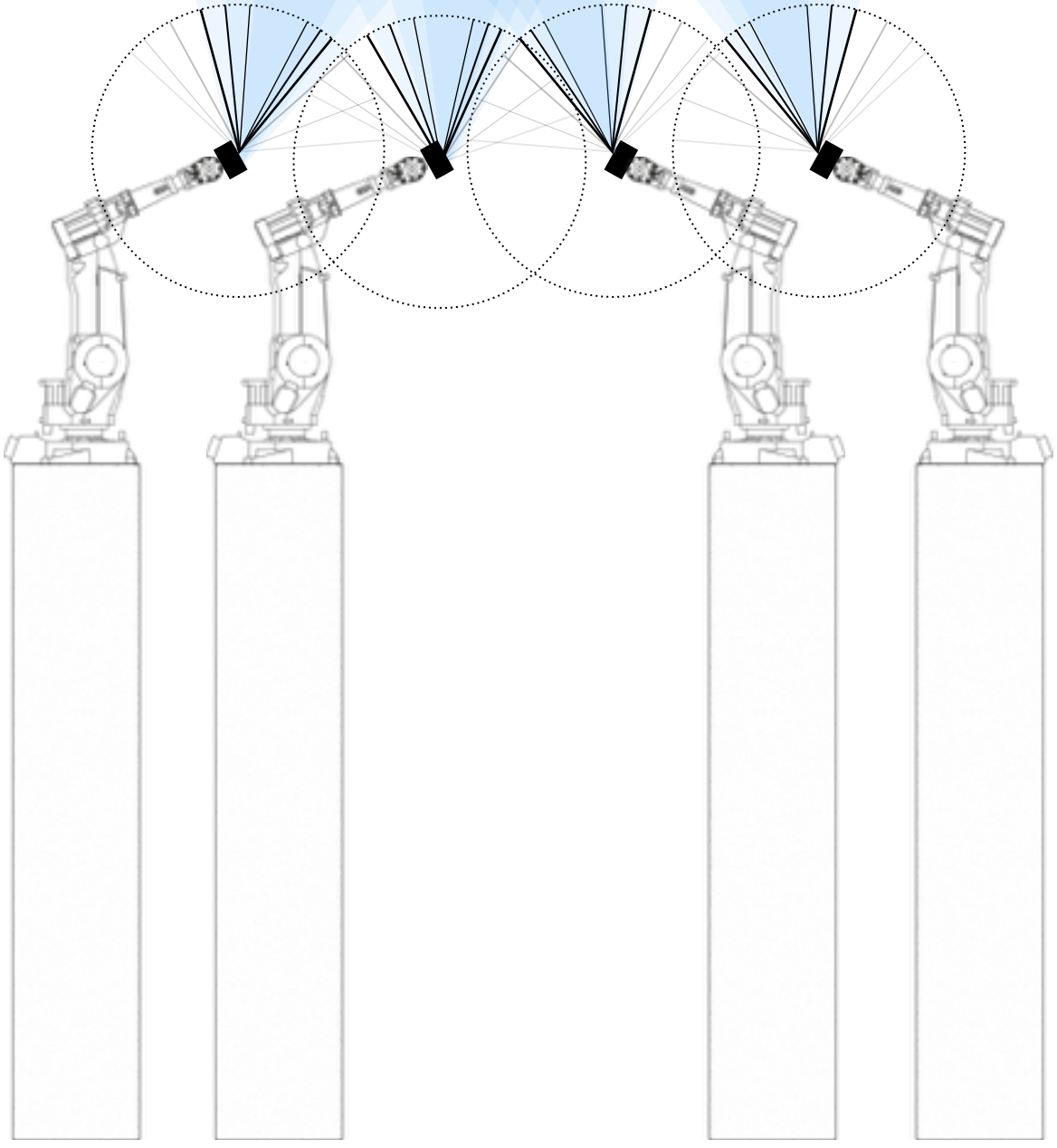
Navigation



Reflection Vertical Beams



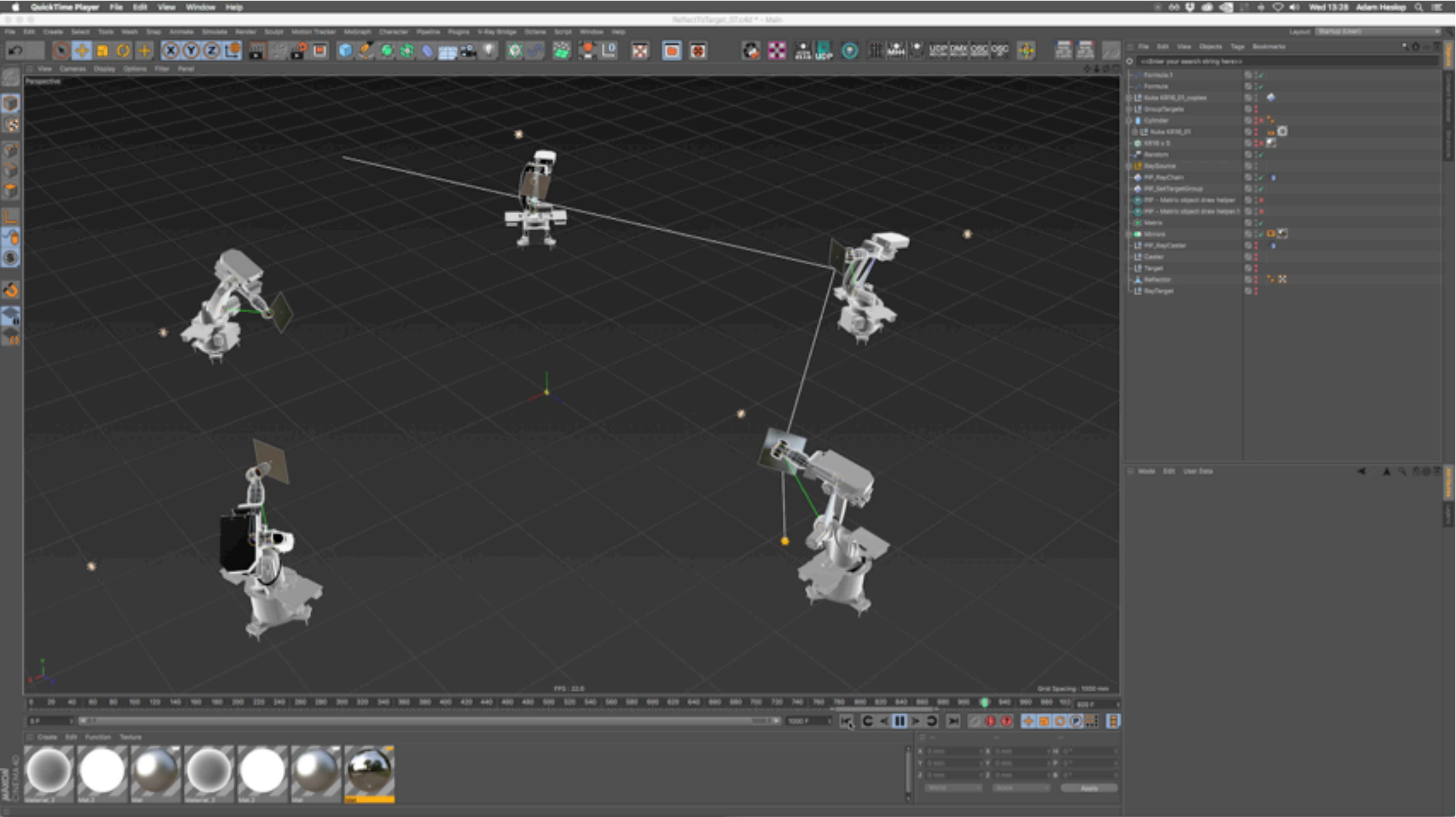
Refraction Vertical Beams



Direct Light Source Robot Mounted

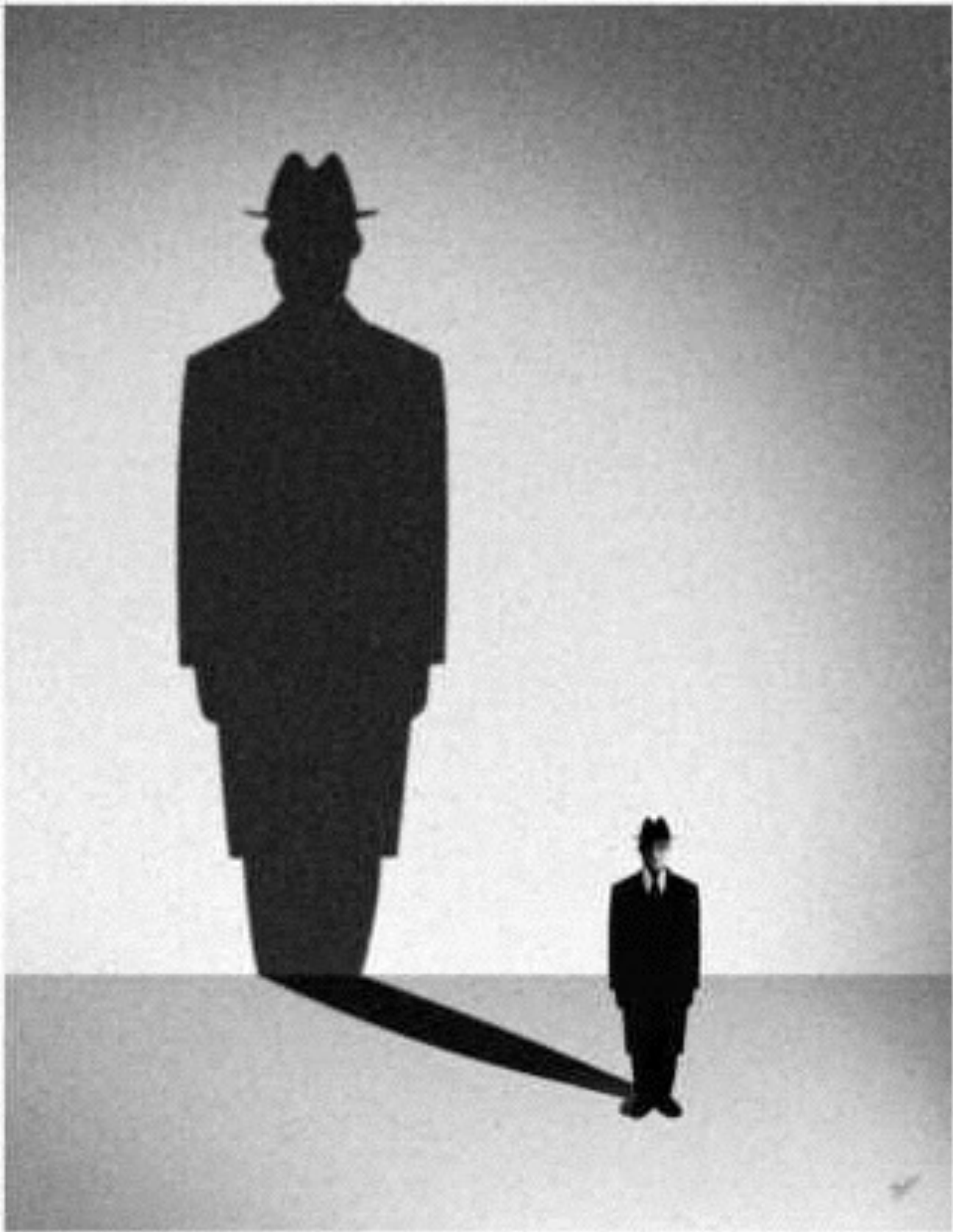
Constellations

Navigation



Urban Theatre

Effects



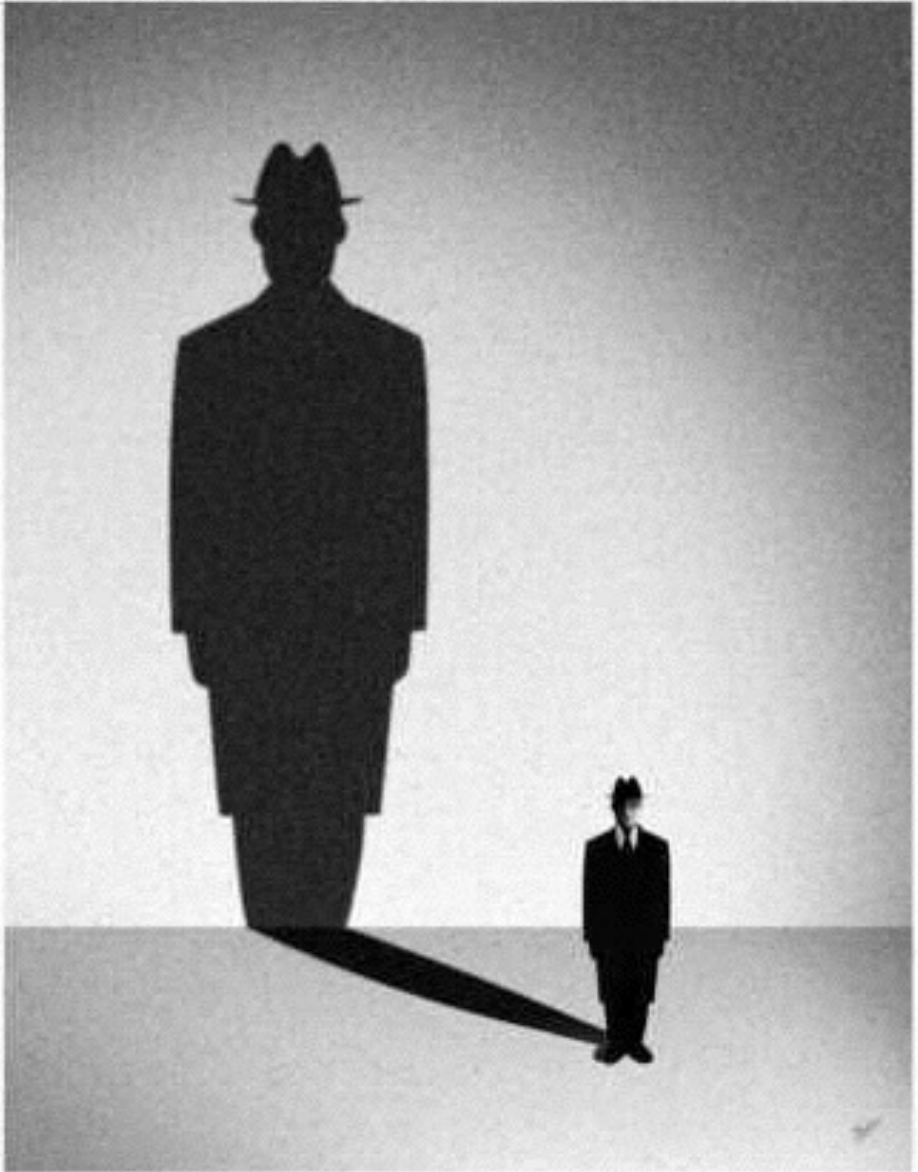
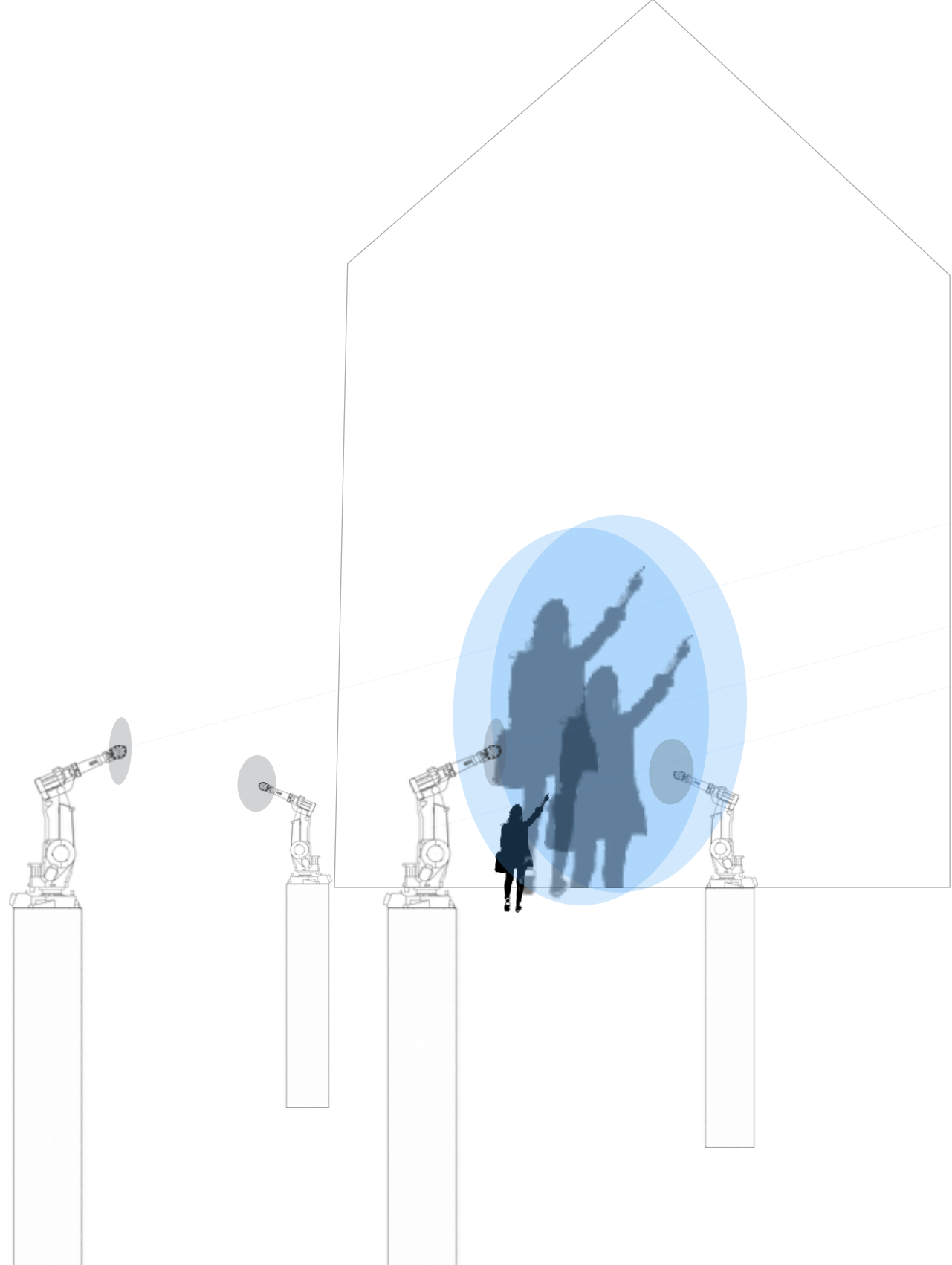
Amplifying Shadows



Urban Theatre

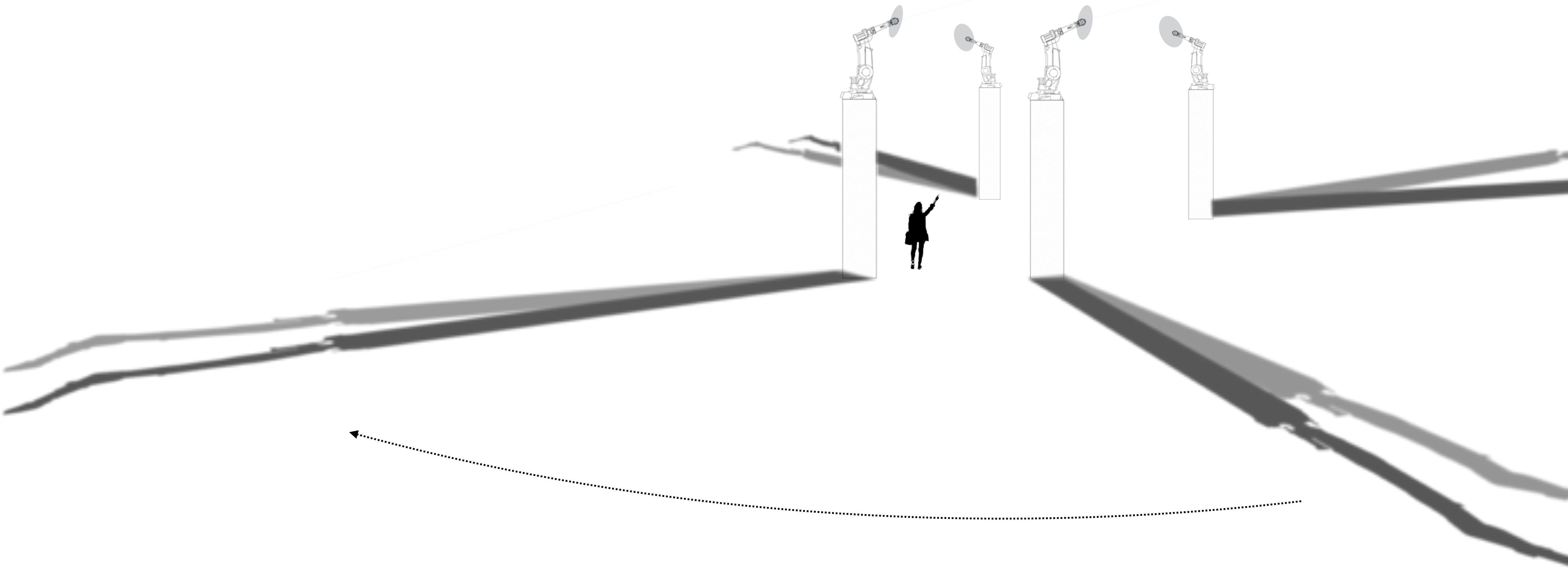
Effects

Sketch Setup



Urban Theatre

Effects



Communication

Navigation

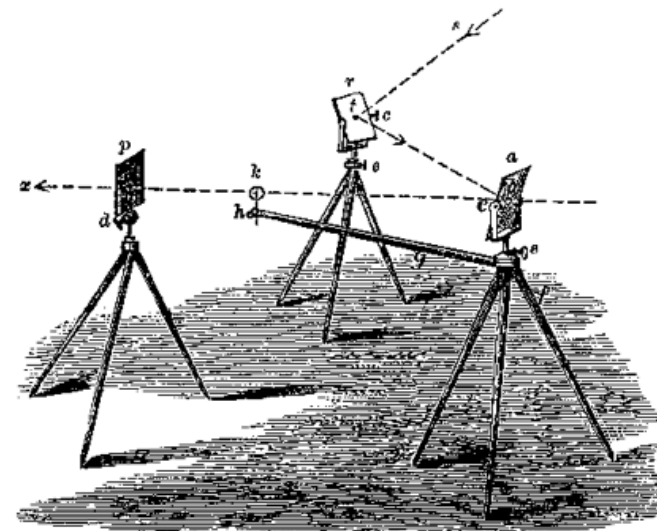
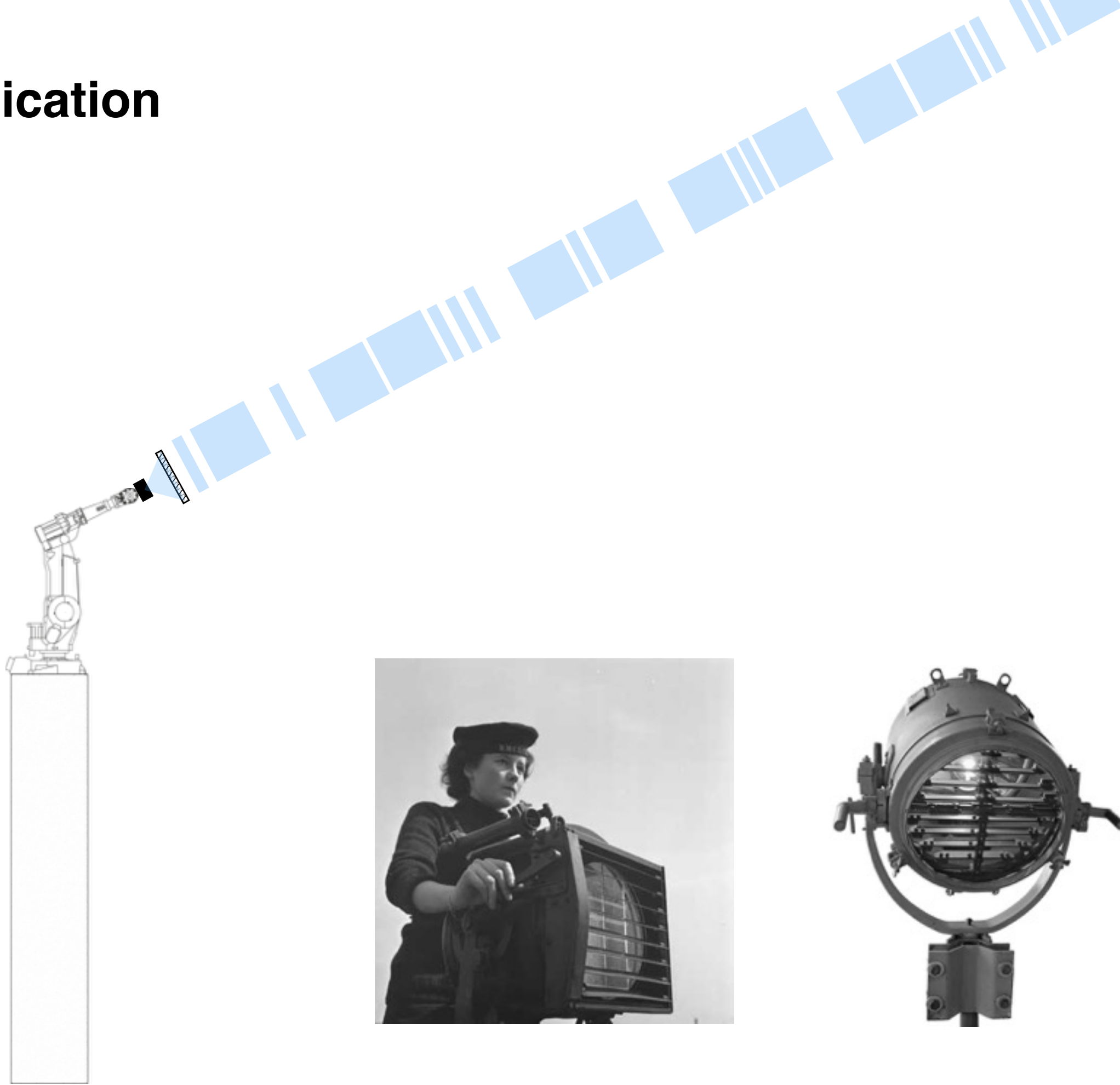


Fig. 7.—Beebie's Field Heliograph.
 (a) Signalling Mirror; (b) Sighting Hole with white Disc; (c) Small-motion Screw for vertical adjustment; (d) Key, for signalling, on Screen (p); (e) Small-motion Screw on Tripod for horizontal adjustment; (f) Tripod; (g) Sighting-bar clamped to Tripod; (h) Screw for clamping Cross-wire Frame; (i) Cross-wire Frame; (r) Sun Mirror; (s) Sighting-hole with black Disc; (q) Screen; (s) Sun ray; (h/z) Sighting-line and direction of reflected ray.

INTERNATIONAL MORSE CODE			
A	• —	N	— •
B	— • • •	O	— — —
C	— • — •	P	— • — •
D	— • • •	Q	— — — •
E	•	R	— • • •
F	• • — •	S	• • • •
G	— — • •	T	— — • •
H	• • • •	U	• • — •
I	• •	V	• • • —
J	• — — —	W	— • — •
K	• • — •	X	— • • •
L	— • • •	Y	— • — —
M	— —	Z	— • • •
1	• — — —	.	• • • • •
2	• • — —	2	• • — —
3	• • • —	3	• • — —
4	• • • •	4	• • — —
5	— • • •	5	• • • •
6	— • • •	6	— • • •
7	— • • •	7	— • • •
8	— • • •	8	— • • •
9	— • • •	9	— • • •
0	— — — —	0	— — — —
		+	• • • • •
		=	• • • • •
		-	• • • • •
		~	• • • • •
		@	• • • • •

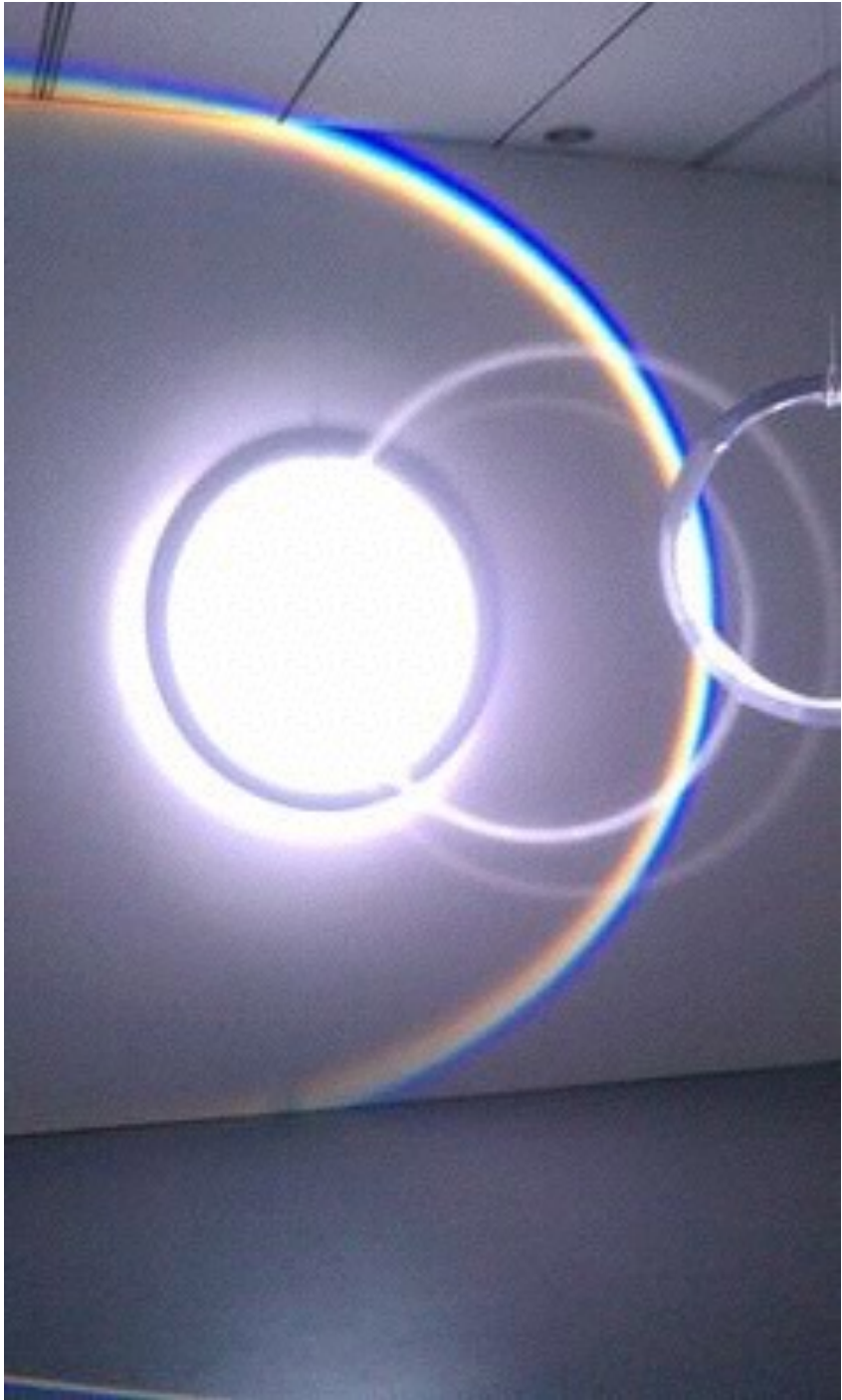
Tell the World Cluster / City / World

Node Studies

Effector Types



Reflection



Refraction



Lightsources

Node Studies

Reflection



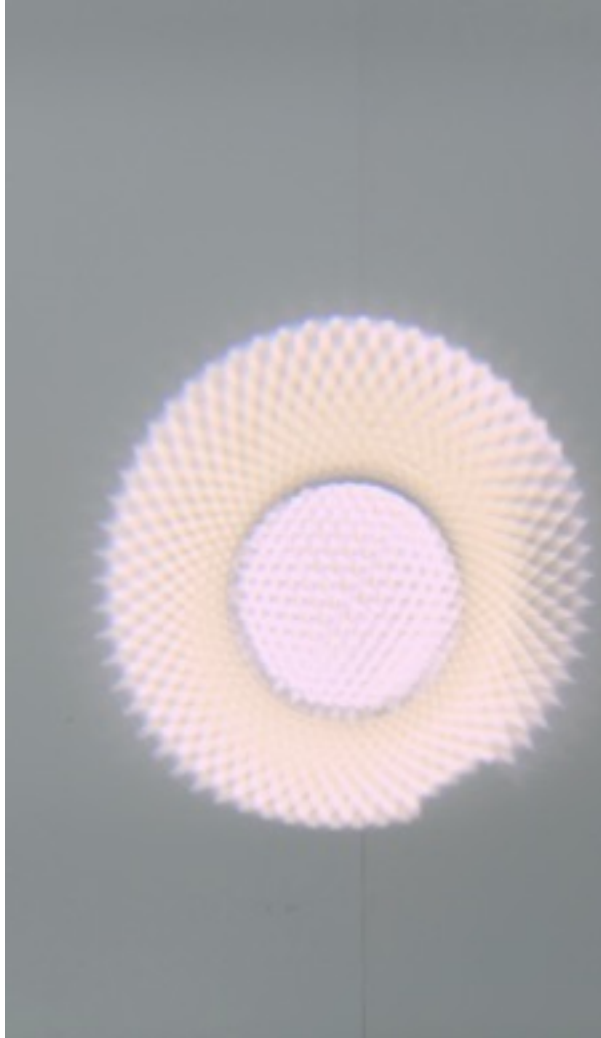
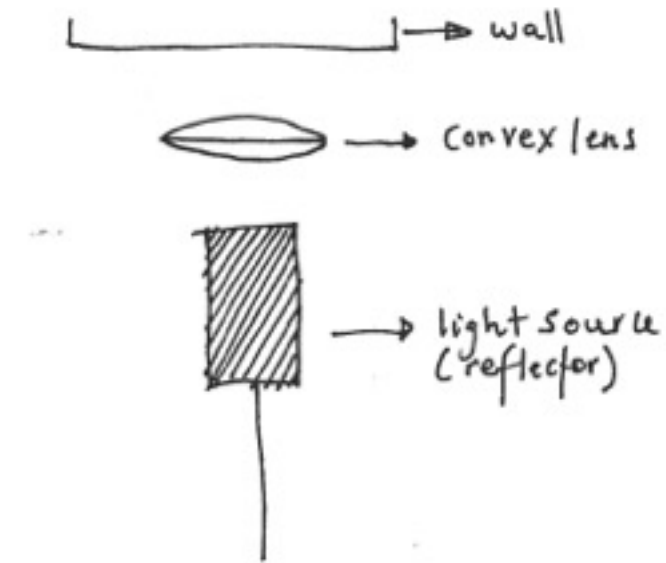
Reflection



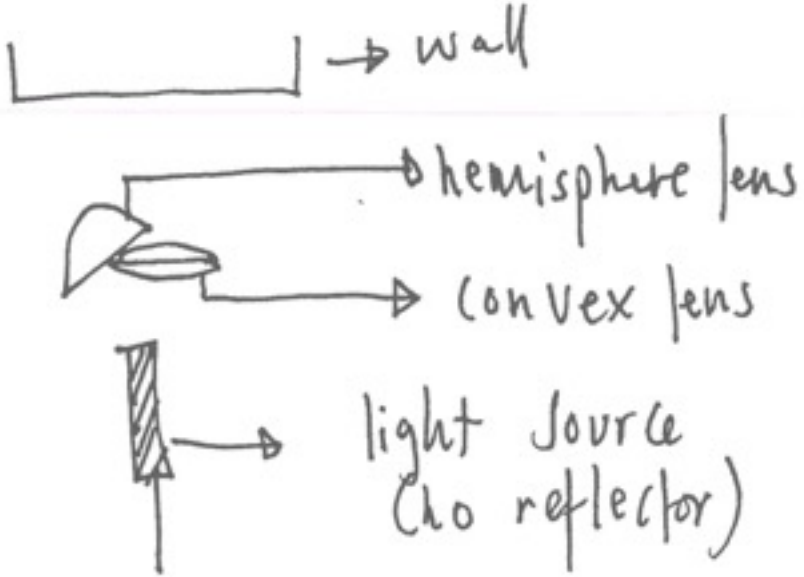
Node Studies

Refraction

Test 1



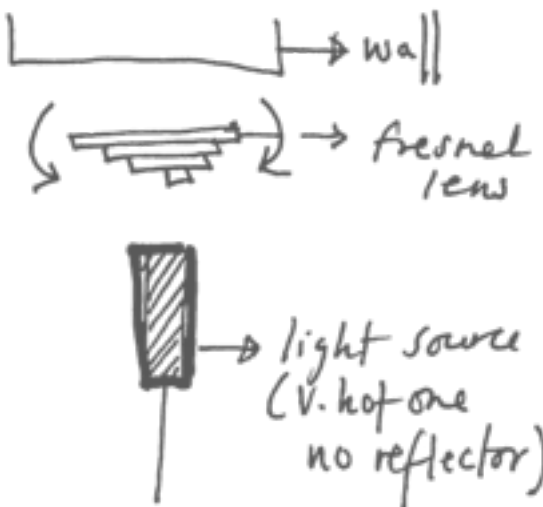
Test 10



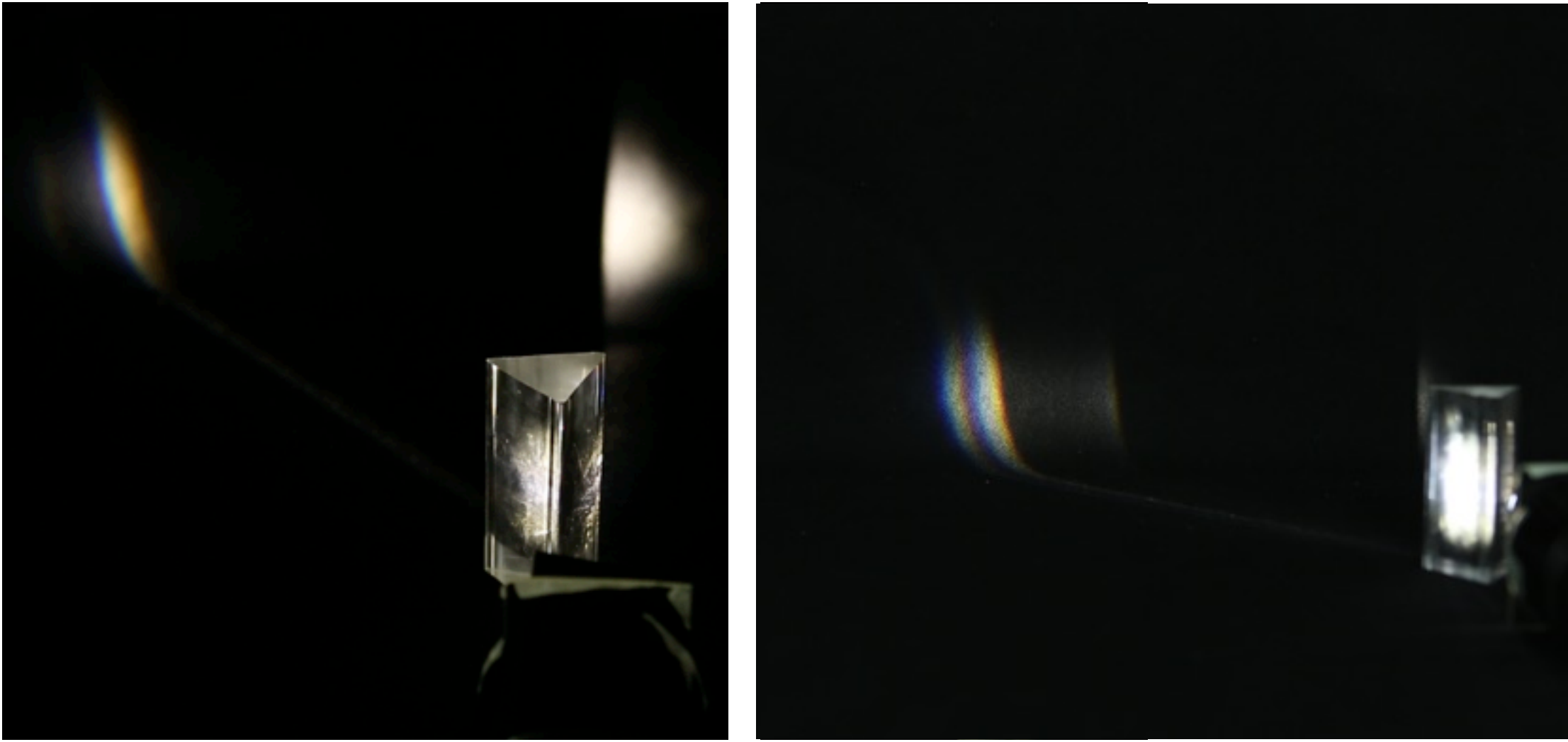
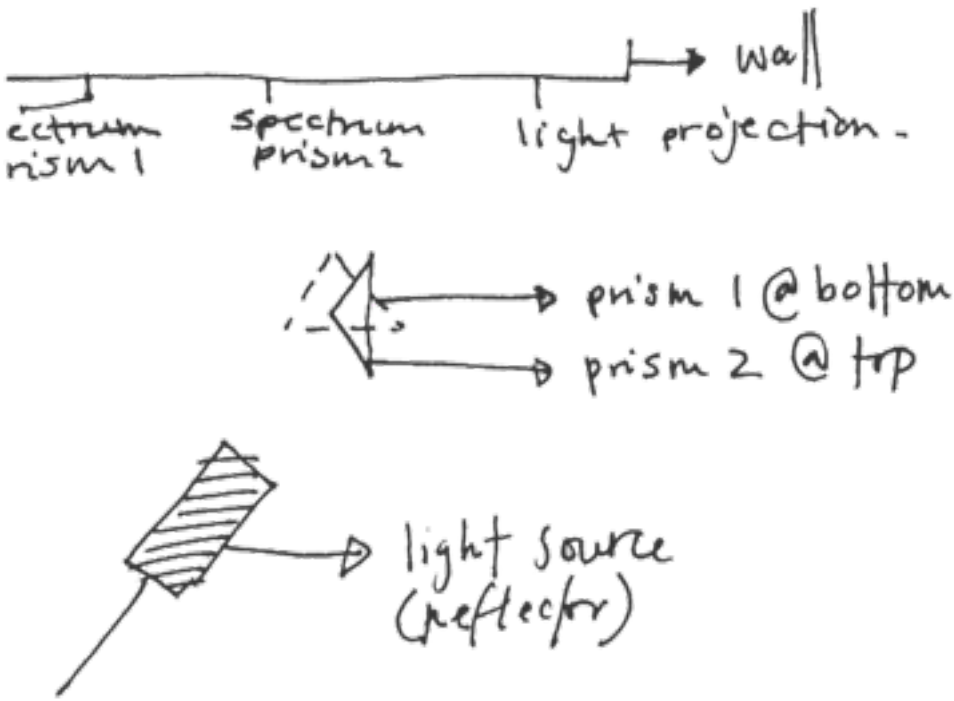
Node Studies

Refraction

Test 7

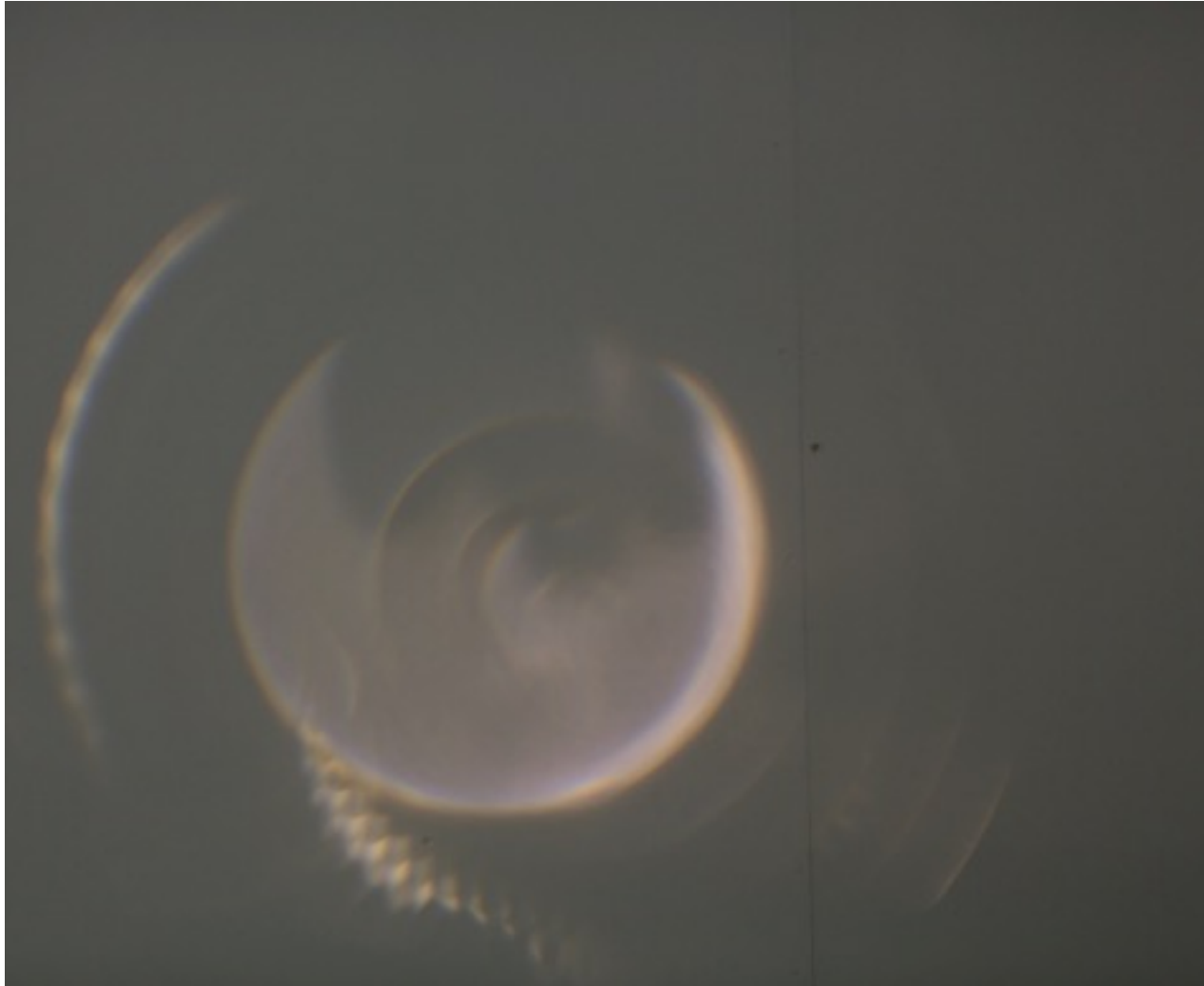
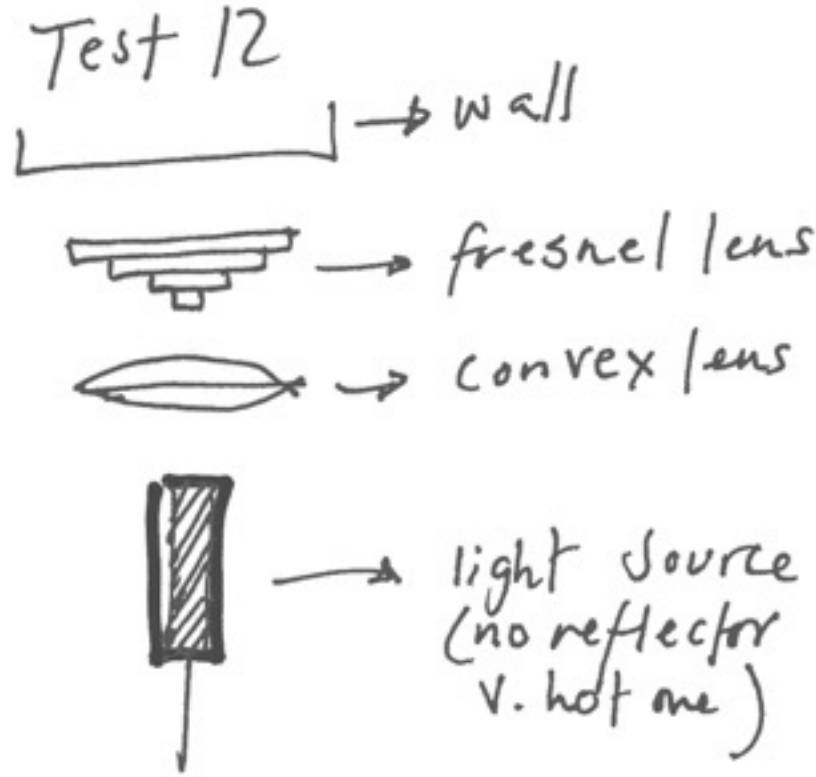


Test 8



Node Studies

Refraction



Jason Bruges Studio

Netil House
1 Netil Lane
London
N1 6AS

T +44 (0)20 7490 4590
F +44 (0)20 7490 4555

info@jasonbruges.com
www.jasonbruges.com



[@jasonbruges](https://twitter.com/jasonbruges)



[jasonbrugesstudio](https://www.instagram.com/jasonbrugesstudio)