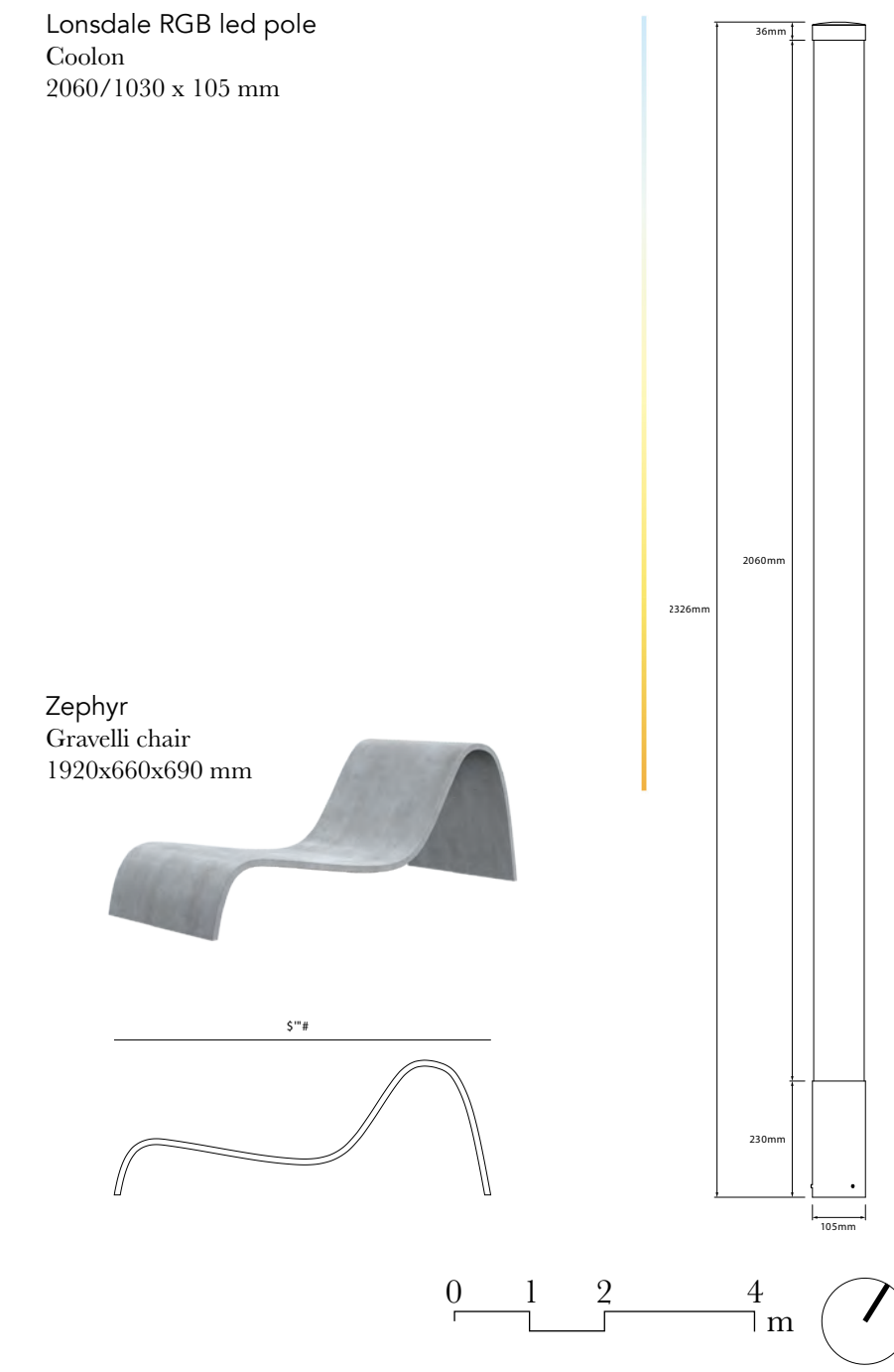


THE TERRACED EDGE BY THE SEA

Strolling through nature and the terraces to gently descend towards the shore

The part of the coast between the two cliffs is the most urban part and the most in contact with the center of Vilassar de Mar, as well as the part with the beach that is more eroded especially in some periods of the year, with the rising tides. Today, accessibility at the level of the beach is almost non-existent. Thinking of a terraced system guarantees continuity along the entire coast and divides the difference in height, making the difference in altitude more gradual. The wooden walkways follow a diagonal course, adapting to the slopes of the ground, and creating paths through the terraces, which merge with the sand, distributed on several levels and in some cases also added, as in the sand basins. So while some terraces are real sand basins, some are designed as bio-retention gardens or as pools of water, with an integrated drainage system, others are paved and designed as small sea-view balconies.



GARDEN SIDEWALK- DRAINAGE TILES

1. Undergrounded edge stone
2. Reinforcement pre-cast concrete block
3. Frost protection layer
4. Soil
5. Stone tiles, 7 cm
6. Sand, 10 cm
7. Gravel, 20 cm

DRIVING ROAD (1% slope on both sides, with integrated water collection system)

1. Rubber finishing layer, 2 cm
2. Permeable bituminous layer, 4 cm
3. Mineral mixture 0/32, 15 cm
4. Firm - subbase or esplanade

DRAINAGE SYSTEM

1. Water collection canal (Material: polymer, vibro-pressed concrete)
2. Containment steel profile
3. Frost protection layer 0/32
4. Siphon and filter
5. Drainage pipe
6. Storage tube
7. Well
8. Gravel
9. Sand
10. Control system
11. Tube to connect the water to the ground, 7 cm
12. Irrigation system

TRAM (tram with rubber wheels)

1. "phoenix glue" shaped lanes
2. Fising profiles, h. 15 cm
3. Rubber profiles
4. 30 cm of concrete base slab

WATERFRONT SIDEWALK AND WOOD TERRACES
(Pine wood: very resinous >>> very resistant)

1. Main beams in laminated wood h. 10 cm, each meter
2. Secondary beams in laminated wood h. 7 cm
3. Wooden plank, 25 cm x 240 cm, h. 5 cm
4. 30 cm of resistant material, gravel, slope of the 1%
5. Base pillars in laminated wood, tip diameter between 10 x 20 cm
6. Wood cladding panel

TERRACE CONTAINMENT STRUCTURE

1. Gravel base, 20 cm
2. Precast element in reinforced concrete of containment
3. Laminated pine wood cladding panel attached to the structure

