

# SUNSPOT

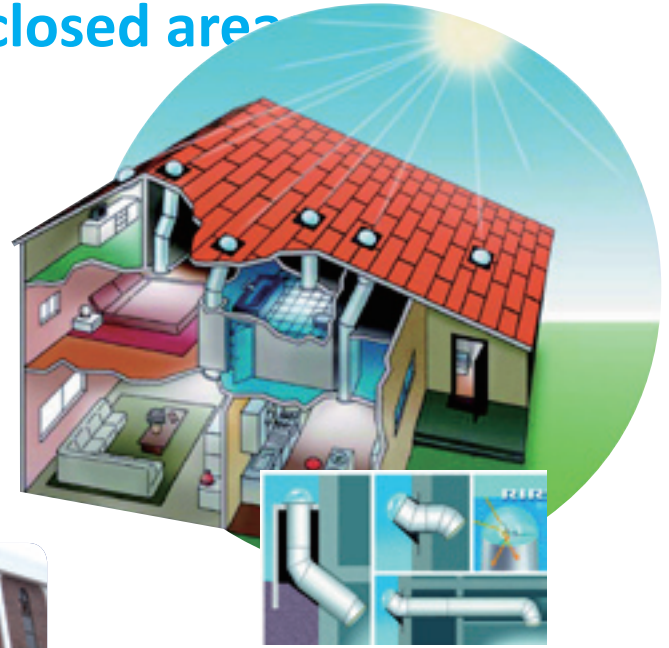
## the natural sunlight for all enclosed areas

Save 75-90% on daytime lighting with Sunspot.

Just like water & air, the natural sunlight is an indispensable of life for all beings.

Sunspot system is designed to illuminate offices, schools, warehouses, and homes with the benefits of solar light without heat gain of ordinary skylight. Incorporated with RIR device and transparent dome that placed on the building roof-top, captures light into a super reflective tube and guides it all the way down to a emitting surface (diffuser), to provide energy for lightings. Even during rainy or cloudy days, its RIR device can capture lowest rays on the horizon with its prismatic lens. Thus, Sunspot provides well-lighted healthy homes and businesses with natural sunlight and yet reducing toxic emissions into the environments.

\*further specification is provided upon request.



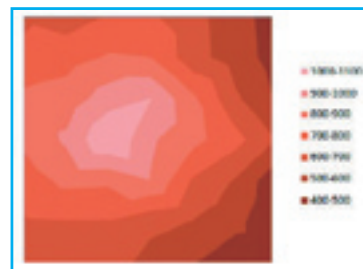
Crossing walls, roofs ceilings and attics SUNSPOT reaches any enclosed area of the house with its natural daylight such as: garrets, passages, blind baths cellars and the areas poorly enlightened by the standard windows.

## Performance (lx) evaluation of SUNSPOT Ø650

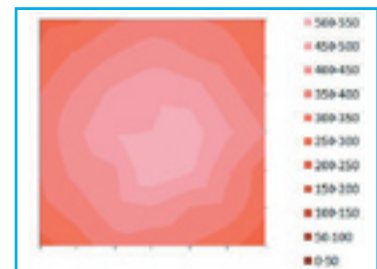
■ Measurement : Floor-Plane illuminance (4m apart from the diffuser)



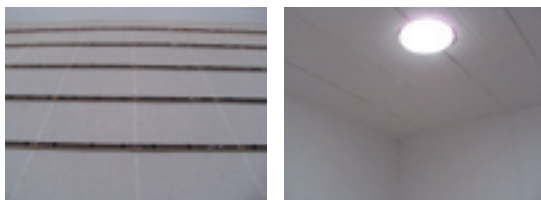
Installation in Mock-up



Clear sky  
Floor-Plane illuminance  
distribution at 12:00 PM

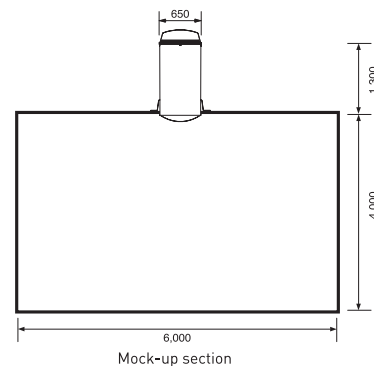


Overcast sky  
Floor-Plane illuminance  
distribution at 12:00 PM



49 photo sensors  
installed on the floor

Diffuser in the ceiling



### Floor-Plane illuminance, 4m apart from the ceiling diffuser

Clear sky / Overcast sky

Time	Average (lx)	Maximum (lx)	Minimum (lx)	External horizontal illuminance (lx)
11:00	640 250	990 370	360 160	81200 33400
12:00	680 230	1110 320	350 160	86640 32400
13:00	660 297	1010 390	420 190	80100 41700
14:00	470 340	670 480	280 220	70600 44360
15:00	350 230	450 330	240 160	48520 35600
Average (lx)	560 270	846 378	336 178	73412 37492

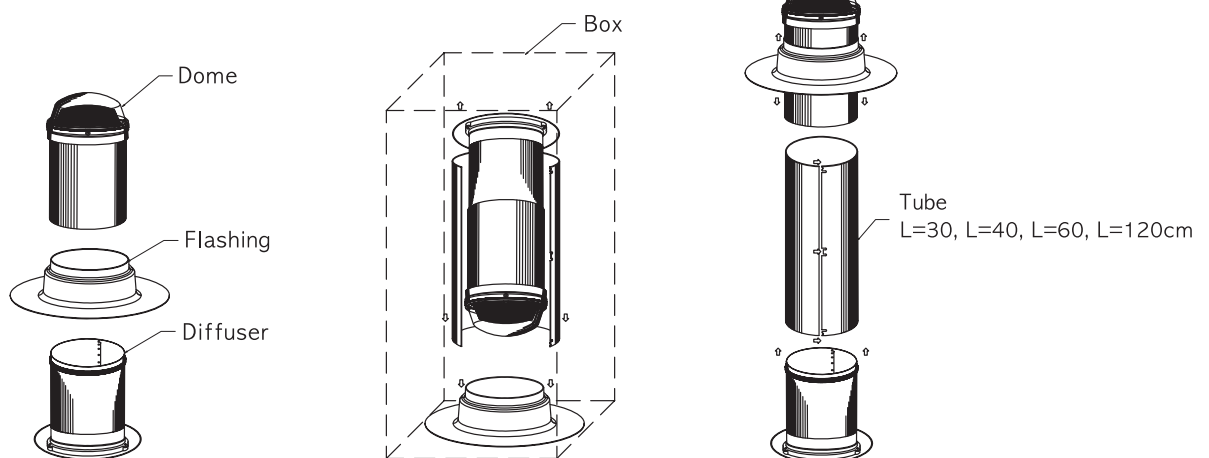
#### Round and Square diffuser



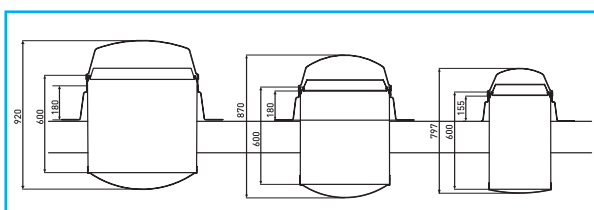
#### Elbow, angle adapter and elongation tube



#### SUNSPOT KIT Preassembled



#### SUNSPOT KIT



Art No	Ø (mm)
SS25	250
SS38	375
SS53	530
SS65	650