

## NATURE SOURCE 1 (NAT-20004)



### Product description

8 hours of operation time (2 Step dimming with motion sensor override) – 1 days of autonomy



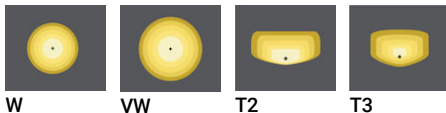
### Luminaire Structure

- Die-cast aluminium end-caps
- Extruded aluminium housing and frame
- Pre-treated before powder coating ensuring high corrosion resistance
- Thermal heat dissipation body
- Stainless steel fasteners in grade 304 with zinc flake coating (ZFC)
- Durable silicone rubber gasket
- Clear glass diffuser
- Integral control gear

- Solar module consist of monocrystalline high efficiency cells 5x15W
- Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery 2x16.5Ah 12 VDC
- Solar charger controller system 12V 10A
- Luminaires operation time depends on the weather conditions
- Full automatic electronic protection function against short circuit, overcurrent, overload, overvoltage and high temperature
- Standard: Off-grid, 100% solar, not connected to the utility grid. Utility grid connection is available upon request
- Without any sun (Autonomy), the battery would last for a maximum of 2.5 days
- Motion sensor integrated

- Different dimming options are available
- STD: 2 Step dimming with motion sensor override (3 hours: 60% without movement, 100% for 1 minute when the motion sensor activated. After 3 hours: 30% without movement, 60% for 1 minute when the motion sensor activated)
- ND: Dusk to Dawn, CT: Custom examples are 5 Step dimming, Custom hours, Custom dimming levels (Step length and minimum dim level is 10%)
- Maximum 35 hours of operation time (2 Step dimming with motion sensor override)
- Remote solar charge controller can be ordered as an accessory
- Autonomy and Operation time calculations are done with the following information: Peak Sun-Hour (PSH) is 3 hours. Hours of operation are 12 hours per day. Detection of movement is 5 times per hour.
- Autonomy and Operation time calculations are only indicative and will depend on several variable factors. Please contact the factory to determine the specific calculations for your project.

### Optic



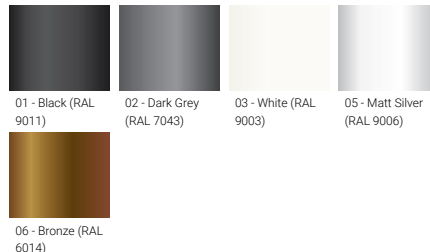
W

VW

T2

T3

### Product colour



01 - Black (RAL 9011)

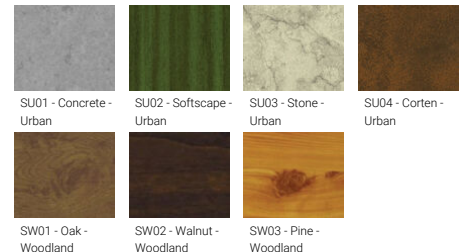
02 - Dark Grey (RAL 7043)

03 - White (RAL 9003)

04 - Matt Silver (RAL 9006)

05 - Bronze (RAL 6014)

### Special finishes upon request



SU01 - Concrete - Urban

SU02 - Softscape - Urban

SU03 - Stone - Urban

SU04 - Corten - Urban

SW01 - Oak - Woodland

SW02 - Walnut - Woodland

SW03 - Pine - Woodland

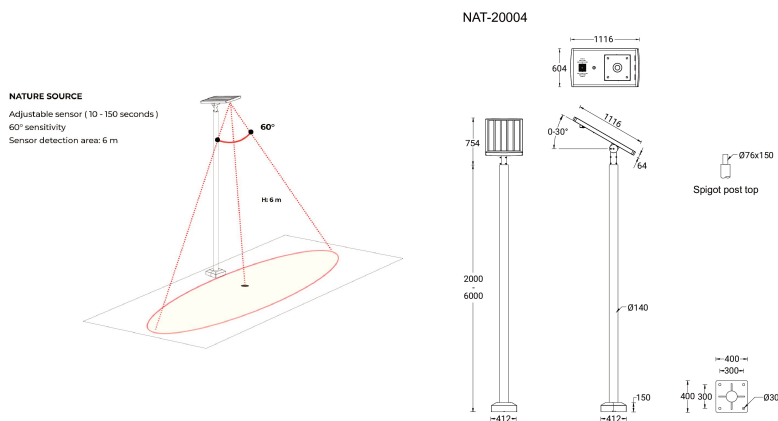
## NATURE SOURCE 1 (NAT-20004)

### Technical information

<b>Material</b>	Aluminium
<b>Light source</b>	28 LED
<b>Power</b>	40 W
<b>Lumen</b>	4568 - 4889 lm
<b>Efficacy</b>	114 - 122 lm/W
<b>Driver option</b>	Integral control gear
<b>Driver</b>	Constant voltage (CV)
<b>Input voltage</b>	SOLAR

<b>Optic</b>	W, VW, T2, T3
<b>Optic value</b>	86°, 114°, 28°x148°, 37°x151°
<b>CCT / CRI</b>	3000K CRI80, 4000K CRI80
<b>Bug</b>	B1-U0-G1, B2-U0-G1
<b>ULR</b>	0%
<b>CIE flux code n°3</b>	96, 97, 98
<b>Dimming type</b>	Dusk to Dawn, 2 Step dimming with motion sensor override, Solar Custom
<b>Product colours</b>	Black, Dark Grey, White, Matt Silver, Bronze, Concrete - Urban, Softscape - Urban, Stone - Urban, Corten - Urban, Oak - Woodland, Walnut - Woodland, Pine - Woodland

<b>Weight</b>	25.5 kg
<b>Operating temperature</b>	-20 °C to 40 °C
<b>Lens / Reflector / Optic</b>	Clear glass diffuser
<b>MacAdam Ellipse</b>	3 SDCM
<b>Lifetime L90B10 (hours)</b>	> 90,000
<b>Lifetime L80B10 (hours)</b>	> 90,000
<b>Lifetime L80B50 (hours)</b>	> 90,000



### Accessories



Remote solar charge controller  
for Solar Integrated Post Top  
luminaire  
**A92291**



2 m - Cylindrical, straight  
galvanised steel pole for  
NATURE SOURCE  
**SPD120140-NAT**



3 m - Cylindrical, straight  
galvanised steel pole for  
NATURE SOURCE  
**SPD130140-NAT**



4 m - Cylindrical, straight  
galvanised steel pole for  
NATURE SOURCE  
**SPD140140-NAT**

**NATURE SOURCE 1** (NAT-20004)



5 m - Cylindrical, straight  
galvanised steel pole for  
NATURE SOURCE  
**SPD150140-NAT**



6 m - Cylindrical, straight  
galvanised steel pole for  
NATURE SOURCE  
**SPD160140-NAT**