

## Callidus ceiling RFID antenna

### PRODUCT FEATURES

- UHF RFID ceiling antenna
- Set of 1.5 meter mounting lanyards included
- VESA holder mount (not included)

### AVAILABLE ACCESSORIES

- RFID Reader
- VESA holder (200x200 mm)

### CONNECTIVITY

- SMA - female

### MECHANICAL

Width	29.5 cm (11.6 in)
Length	80.0 cm (31.5 in)
Thickness	1.5 cm (0.6 in)
Weight	3 kg

### ELECTRICAL

	EU (ETSI)	US (FCC)
Operating frequency	865-868 MHz	902-928 MHz
Gain	12 dBiC	12 dBiC
Polarization	circular	circular
Front to Back ratio	> 25 dB	> 25 dB
Main to Side lobe ratio	> 13 dB	> 10 dB
Axial ratio	2 dB typically	2 dB typically
3dB elevation beamwidth	23°	23°
3dB azimuth beamwidth	80°	80°
Input impedance	50 Ω	50 Ω
VSWR / return loss	1.3 typically	1.5 typically

### READING DISTANCE

for UHF RFID labels/tags  
Up to 500 cm (16.4 ft), depending on multiple factors as position, presence of metals or objects filled with liquid, used tags, power and more.

### ENVIRONMENTAL

Ambient temperature	0-35°C (equipment for normal indoor use)
Relative humidity	0-90% (non-condensing)

### PRODUCT ORDER CODES

Callidus ceiling RFID antenna	
EU (ETSI) version - black	18-072.EUB
- white	18-072.EUW
US (FCC) version - black	18-072.USB
- white	18-072.USW
8 port UHF RFID reader Gen2	18-333
Reader - antenna cable (1 - 7 m after 1 m)	23-000-503.x (x = 1; 2; 3; 4; 5; 6; 7)
VESA holder	7380

