



PART # \_\_\_\_\_

JOB NAME \_\_\_\_\_

TYPE \_\_\_\_\_



Our Troffer Retrofit Kits have a new multipiece design and are easier to install than the competition. Packed with flex features and available in flat panel or volumetric design, Troffer retrofit kits are available in 2x2 and 2x4 sizes.



- New slim multipiece retrofit design.
- 2 sizes to choose from 2x2 & 2x4.
- SuperFlex 3 wattages, 3 CCTs.
- Choose from a volumetric or a flat panel design.
- Factory installed emergency battery back up available.
- Field installable **SIMPLE & NETWORK LIGHTING CONTROLS** options. As easy as plugging in a headphone jack! (see pgs. 2 & 6-8 for more details.)

..... SIMPLY REMOVE THE CAP AND PLUG IN THE SENSOR

**SUPERFLEX** SWITCH BETWEEN  
3 WATTAGES & 3 CCTS



DIMMING

CRI

OPTIONAL EMG BATTERY BACKUP

BEAM ANGLE

OPERATING TEMP

SURGE PROTECTION

50,000hrs RATED LIFE

PART #	UPC	DESCRIPTION	LUMENS	WATTAGE	CCT
RP-TRV-2X2-24W-40K-WC-TAA	19781001593	2X2 VOLUMETRIC RETROFIT KIT	2000/2500/3000	16/20/24	3500K/4000K/5000K
RP-TRV-2X4-40W-40K-WC-TAA	19781001594	2X4 VOLUMETRIC RETROFIT KIT	3000/3750/5000	24/30/40	
RP-TRF-2X2-24W-40K-WC-TAA	19781001595	2X2 FLAT PANEL RETROFIT KIT	2000/2500/3000	16/20/24	
RP-TRF-2X4-40W-40K-WC-TAA	19781001596	2X4 FLAT PANEL RETROFIT KIT	3000/3750/5000	24/30/40	









### PART NUMBER BUILDER

MFR	PRODUCT	SIZE (FT.)	DEFAULT WATTAGE	DEFAULT CCT	FUNCTION	OPTIONS	LISTING	EMG
RP				40K	WC		TAA	EM1
	TRV	2X2	24W	40K = 4000K	WC = WATTAGE + COLOR SELECTABLE	OCC = PIR OCCUPANCY SENSOR  OCCBT = NETWORK LIGHTING CONTROL (PIR OCCUPANCY SENSOR) ⓘ	TAA = TRADE ACT AGREEMENT COMPLIANT	EM1 = 4W, 500 LUMENS, 90 MIN EMERGENCY BATTERY BACKUP
	TRF	2X4	40W					

EXAMPLE PART NUMBER RP-TRV-2X2-24W-40K-WC-OCC-TAA-EM1

### FIELD INSTALLABLE CONTROL OPTIONS

SIMPLE LIGHTING CONTROL	NETWORK LIGHTING CONTROL
 -OCC	 -OCCBT
STANDARD MICROWAVE MOTION SENSOR IR12 REMOTE*  	NETWORK LIGHTING CONTROL + MICROWAVE MOTION & DAYLIGHT SENSOR SILVAIR APP  
*REMOTE SUBJECT TO CHANGE	



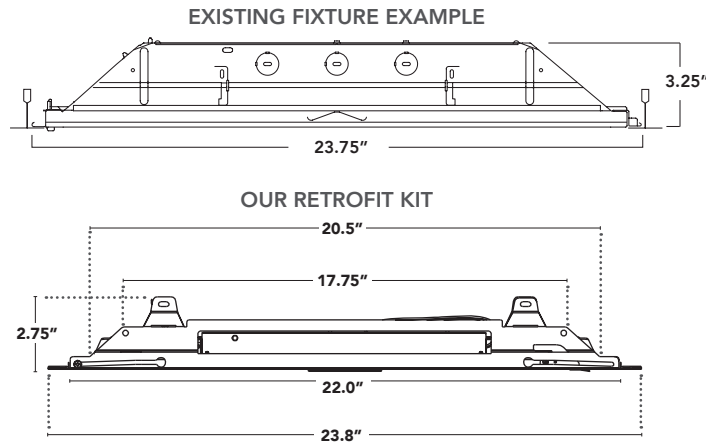
### FLEXWATT LUMENS @ 4000K

SIZE	POSITION 1	POSITION 2	POSITION 3
2X2	16W (2000LM)	20W (2500LM)	24W (3000LM)
2X4	24W (3000LM)	30W (3750LM)	40W (5000LM)



### FIT COMPATIBILITY

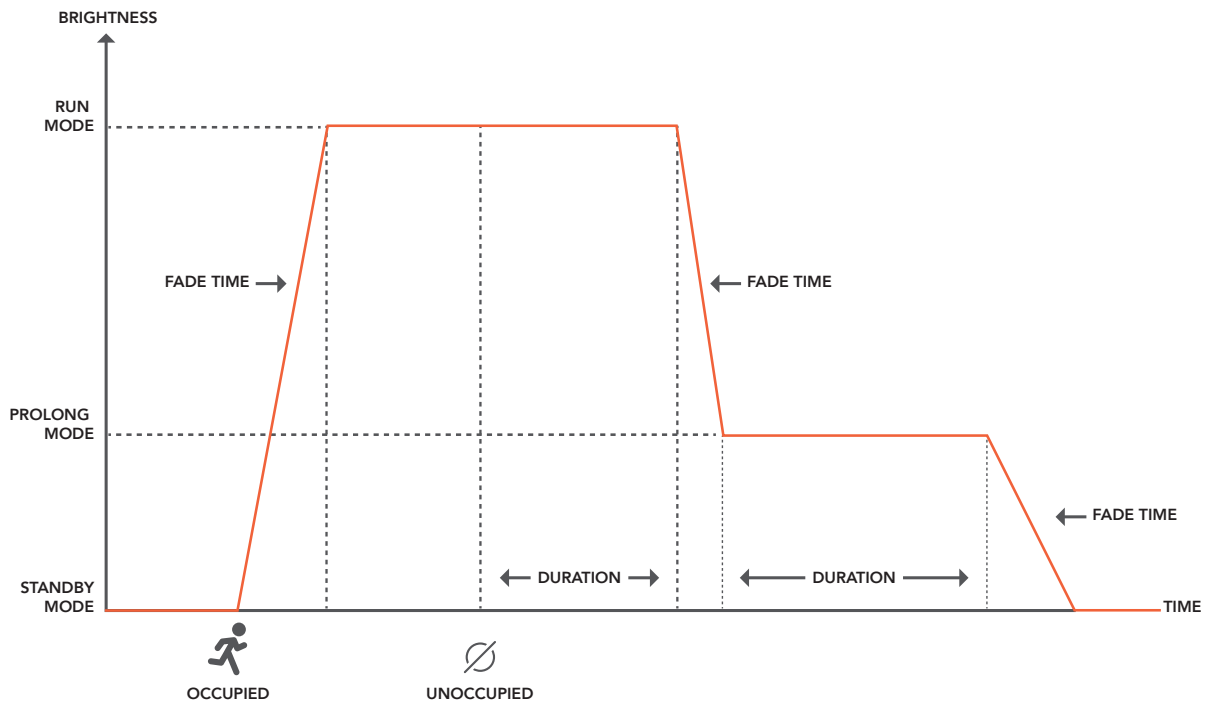
The Troffer Retrofit Kit was designed to upgrade recessed 2x2 and 2x4 fixtures, including parabolic and lensed troffers from most major manufacturers. Example fixture dimensional requirements below. We also recommend a trial installation before placing an order.



### LIGHTING CONTROL SCENARIOS

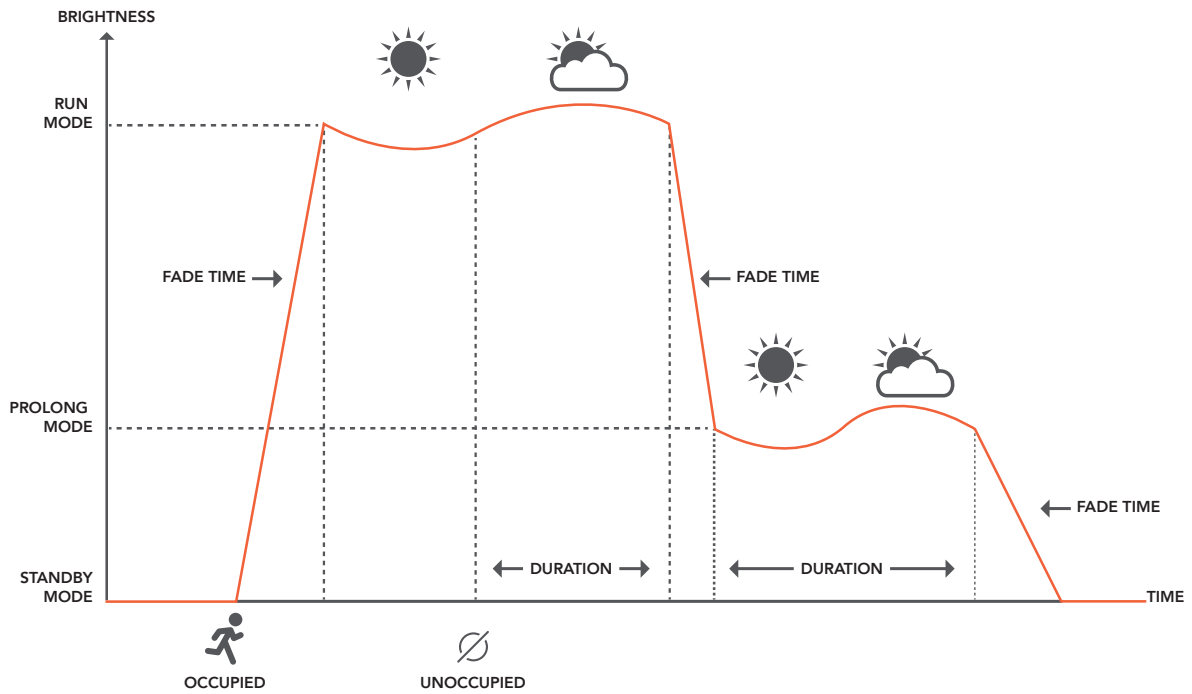
Multiple lighting control scenarios are available once the Bluetooth mesh sensor is provisioned. Within scenario, duration, fade time and target brightness can be configured at any time with the iOS app.

#### EXAMPLE OCCUPANCY SCENARIO

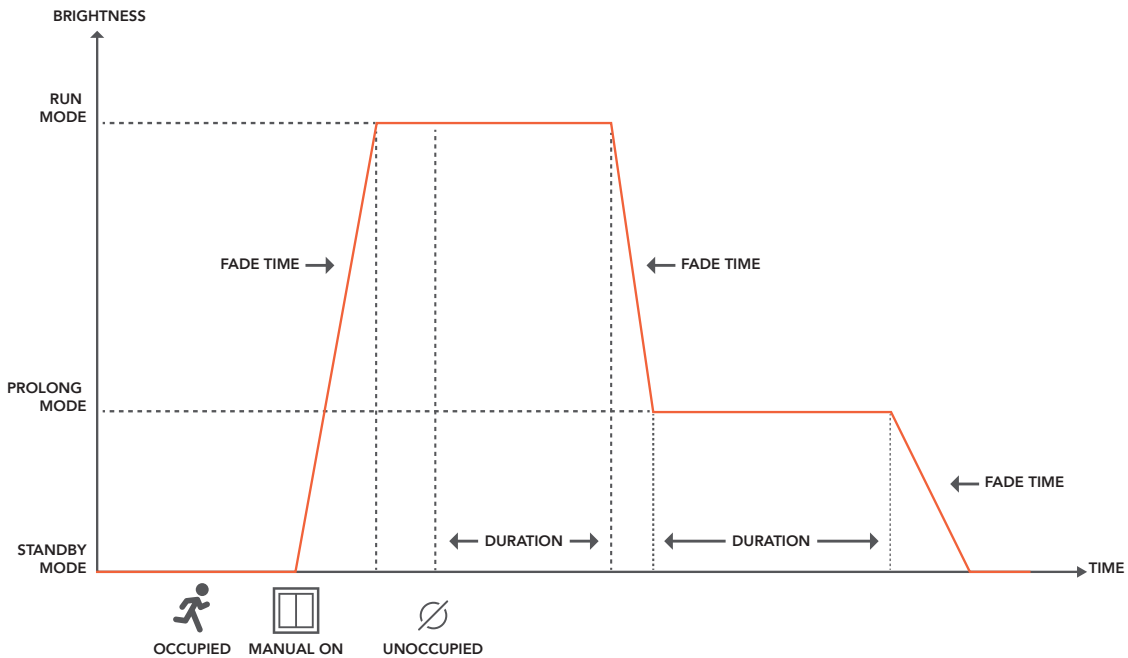




### EXAMPLE OCCUPANCY SCENARIO W/ DAYLIGHT HARVESTING

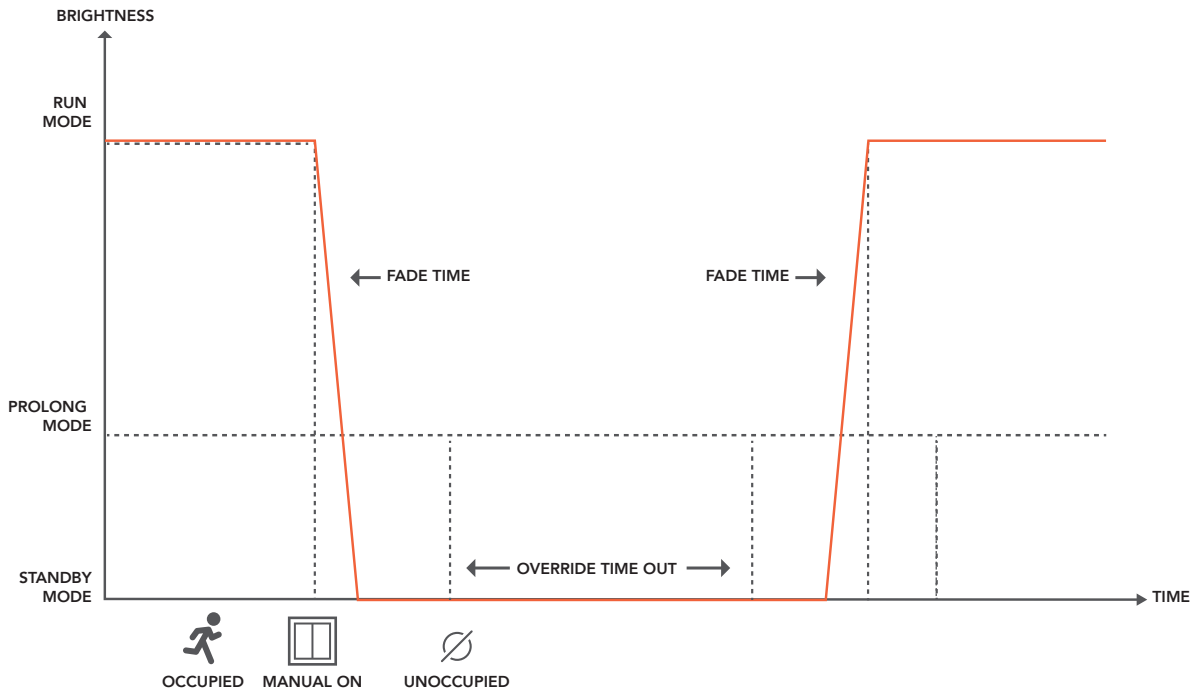


### EXAMPLE VACANCY SCENARIO





### EXAMPLE OCCUPANCY SCENARIO W/ MANUAL OVERRIDE



### BLUETOOTH CONTROL

USE BLUETOOTH CONTROLS TO CONNECT TROFFERS TO YOUR PHONE AND/OR A WALL SWITCH





## ATTRIBUTES

<b>DETECTION TECHNOLOGY</b>	PASSIVE INFRARED (PIR)
<b>DETECTION TYPE</b>	OCCUPANCY
<b>SENSOR POWER</b>	12VDC
<b>GROUPABLE</b>	NO
<b>NETWORK LIGHTING CONTROL</b>	NO
<b>COMMISSIONING METHOD</b>	IR REMOTE
<b>REMOTE</b>	IR12 -SUBJECT TO CHANGE
<b>DAYLIGHT HARVESTING</b>	YES
<b>HI OR LOW TRIM</b>	NO
<b>BI-LEVEL DIMMING</b>	YES
<b>NETWORK TECHNOLOGY</b>	NONE
<b>INSTALLATION TYPE</b>	AUDIO JACK (EXTERNAL)
<b>DLC LISTED</b>	YES

ADDING **-OCC** TO THE TROFFER RETROFIT KIT PART NUMBER UPGRADES THE FIXTURE WITH A FACTORY INSTALLED **SIMPLE CONTROL** UTILIZING A MICROWAVE MOTION SENSOR. IT ALSO COMES EQUIPPED WITH A DAYLIGHT HARVESTING SENSOR TO DIM AND/OR TURN OFF THE FLAT PANEL WHEN THE SPACE IS UNOCCUPIED OR SURROUNDING NATURAL LIGHT LEVELS ARE HIGH.



## IR12 REMOTE - SUBJECT TO CHANGE



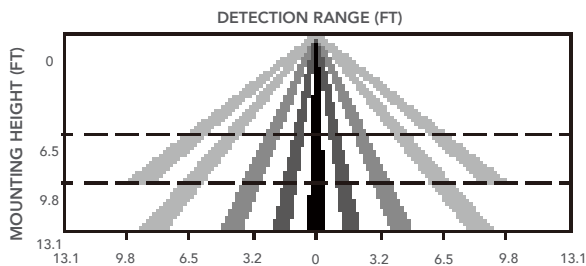
- Permanent ON/OFF Function
- Dim+/-
- Sensor Mode
- Reset Function
- Ambient Learn
- Test Mode

FOR MORE INFORMATION ON THE IR12 REMOTE SCAN BELOW

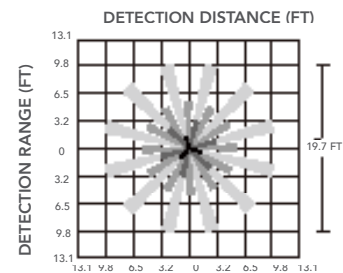


## DETECTION PATTERN / OCC

### CEILING MOUNTING



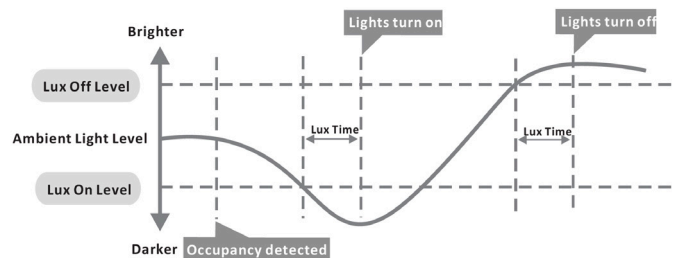
### WALL MOUNTING



## DAYLIGHT HARVESTING / OCC

Sensor detects the difference between natural light and artificial light (lamp) from behind the diffuser, switch on automatically (even without movements) when the ambient light is below the target value, and switch off automatically whenever the artificial light is not required (ambient light meets target level).

**NOTE** LUX-OFF SAMPLING TIME - 30S. LUX-ON SAMPLING TIME - 10S. LUX-ON FUNCTION WILL ONLY OPERATE WITHOUT MOTION WHEN STANDBY IS SET TO + ∞.





ADDING **-OCCBT** TO THE TROFFER RETROFIT KIT PART NUMBER UPGRADES THE FIXTURE WITH A FACTORY INSTALLED **NETWORK LIGHTING CONTROL**. ONCE CONNECTED THROUGH THE SILVAIR APP, THE BLUETOOTH MICROWAVE MOTION SENSOR AND DAYLIGHT HARVESTING TECHNOLOGY CAN MAXIMIZE ENERGY SAVINGS.

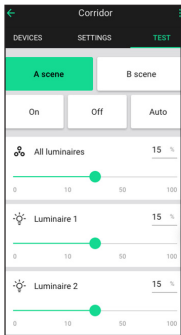


\*SEE NEXT PAGE FOR MORE INFORMATION ON SILVAIR APP

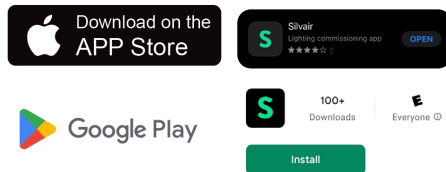
### ATTRIBUTES

<b>DETECTION TECHNOLOGY</b>	PASSIVE INFRARED (PIR)
<b>DETECTION TYPE</b>	OCCUPANCY / VACANCY
<b>SENSOR POWER</b>	12VDC
<b>GROUPABLE</b>	YES
<b>NETWORK LIGHTING CONTROL</b>	YES
<b>COMMISSIONING METHOD</b>	SILVAIR APP* + IR REMOTE FOR RANGE SETTING
<b>REMOTE</b>	N/A
<b>DAYLIGHT HARVESTING</b>	YES
<b>HI OR LOW TRIM</b>	YES
<b>BI-LEVEL DIMMING</b>	YES
<b>NETWORK TECHNOLOGY</b>	BLUETOOTH
<b>INSTALLATION TYPE</b>	AUDIO JACK (EXTERNAL)
<b>DLC LISTED</b>	YES + DLC NLC

### SILVAIR APP



SILVAIR IS A SOFTWARE AND COMMISSIONING APP THAT CONNECTS AND CONTROLS LIGHTING FIXTURES USING BLUETOOTH MESH TECHNOLOGY.

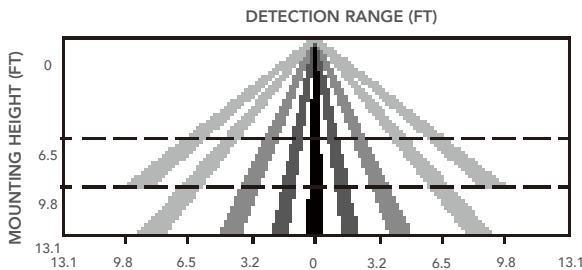


FOR MORE INFORMATION ON THE SILVAIR APP SCAN BELOW OR SEE PG. 10

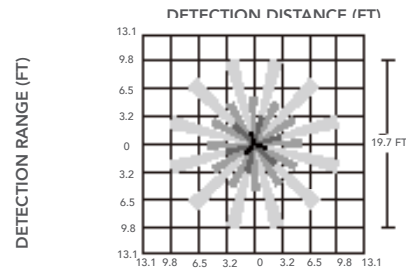


### DETECTION PATTERN / OCCBT

#### CEILING MOUNTING



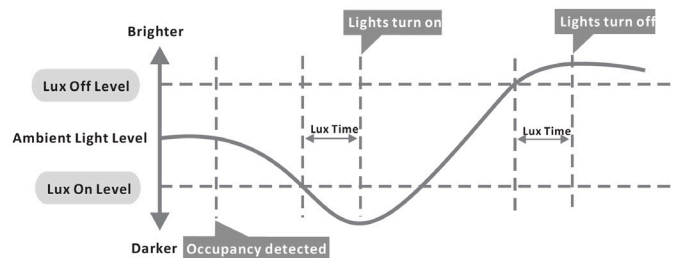
#### WALL MOUNTING

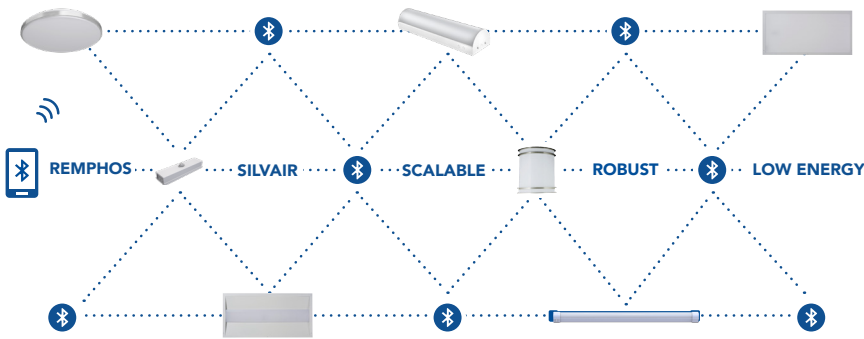


### DAYLIGHT HARVESTING / OCC

Sensor detects the difference between natural light and artificial light (lamp) from behind the diffuser, switch on automatically (even without movements) when the ambient light is below the target value, and switch off automatically whenever the artificial light is not required (ambient light meets target level).

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### WHAT IS SILVAIR?

Silvaire is a software and commissioning app that connects and controls lighting fixtures using Bluetooth mesh technology.

### HOW DOES IT CONNECT?

Silvaire can be set up in advance through the cloud and the Silvaire portal. It can also be commissioned in the field with the IOS app.

### DOWNLOAD SILVAIR APPS



MOBILE APP Apple App Store  
or  
WEB APP [platform.silvaire.com](http://platform.silvaire.com)

