

Bruksanvisning | Manual

NAIAD G3

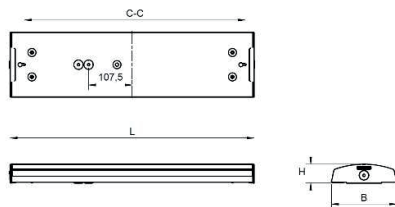


SE: Naiad LED är en högeffektiv armatur med IP44 som kan användas i olika miljöer, så som industri, parkeringshus och varuhus.

EN: Naiad LED is a high efficiency luminaire with IP44 that can be used in different environments as industry, car parking and the department store.

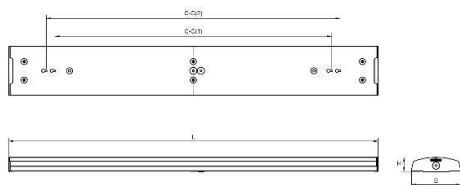
Montering | Assembly

NAIAD G3 L600



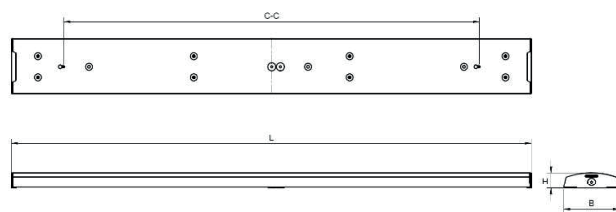
Model	L(mm)	C-C(mm)	H(mm)	B(mm)
L600	602	545	46	159
L1200	1202	900/955	46	159
L1500	1502	1200	46	159

NAIAD G3 L1200

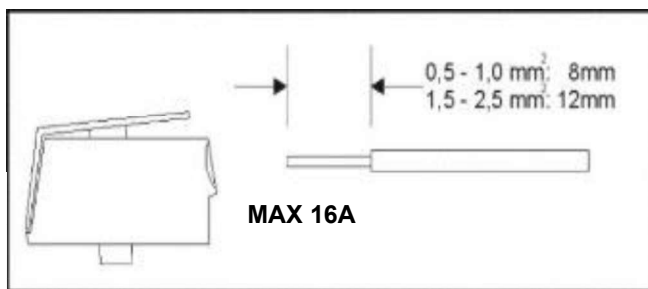
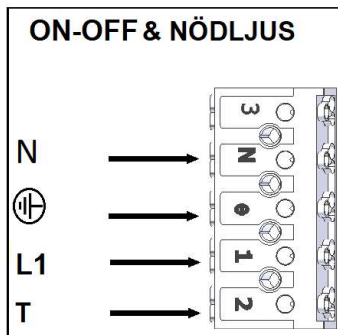
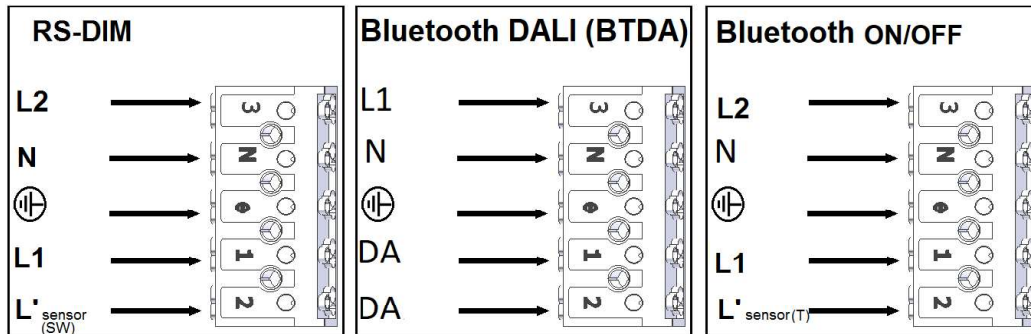
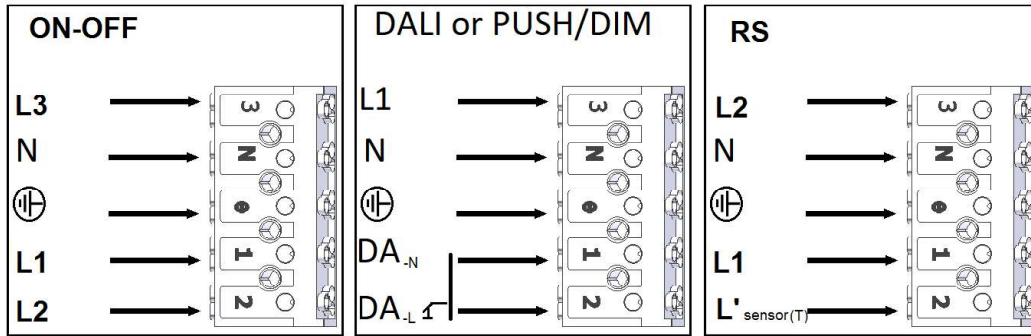


ATTENTION
Observe precautions for handling electrostatic discharge sensitive devices

NAIAD G3 L1500

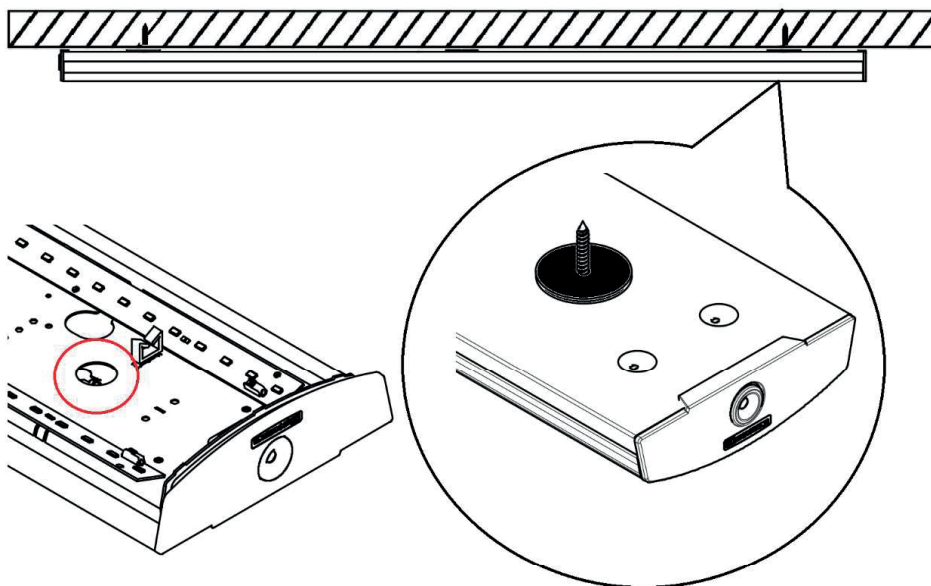
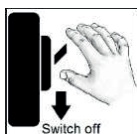


Inkoppling | Wiring



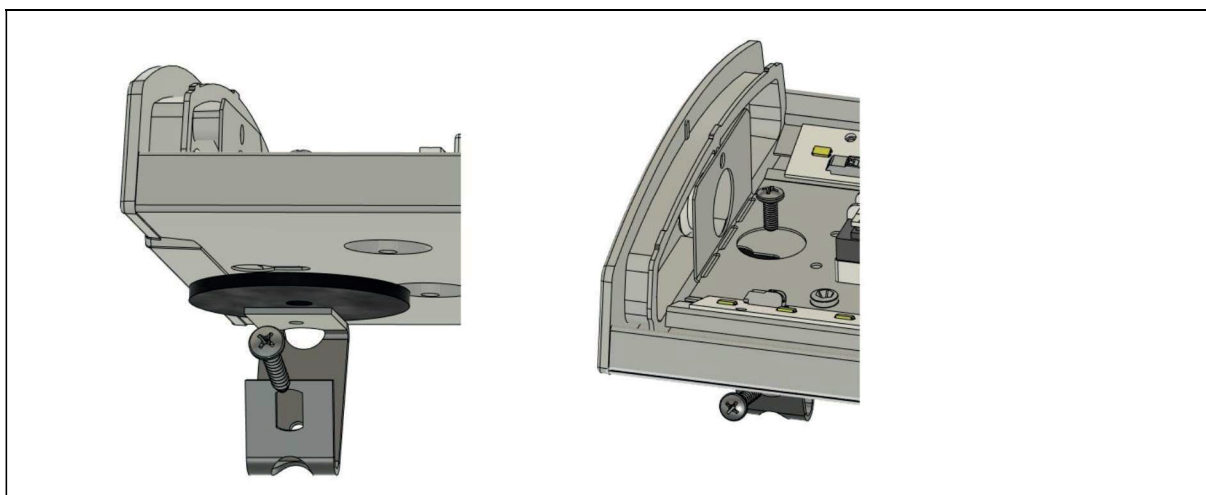
Installation

1. SE: Dikt tak || Ytmontage.
Tätning måste användas för att bibehålla IP44.
EN: Ceiling mounting || Surface mounting.
Sealing must be used to obtain IP44.

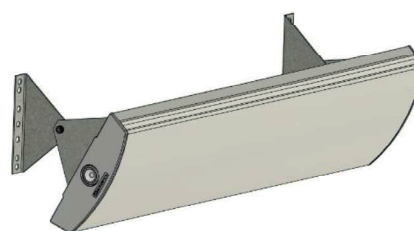
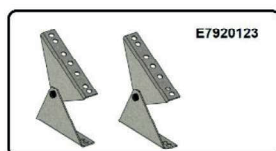
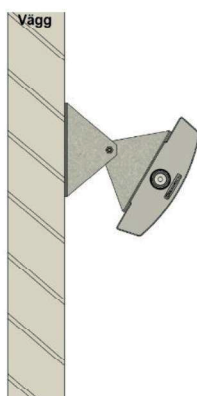
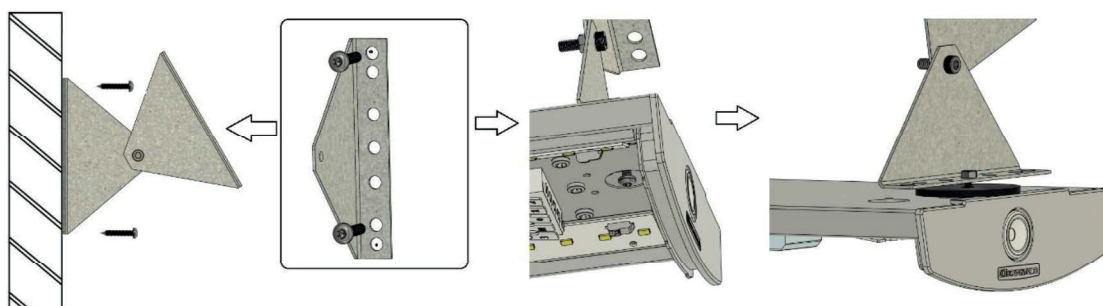


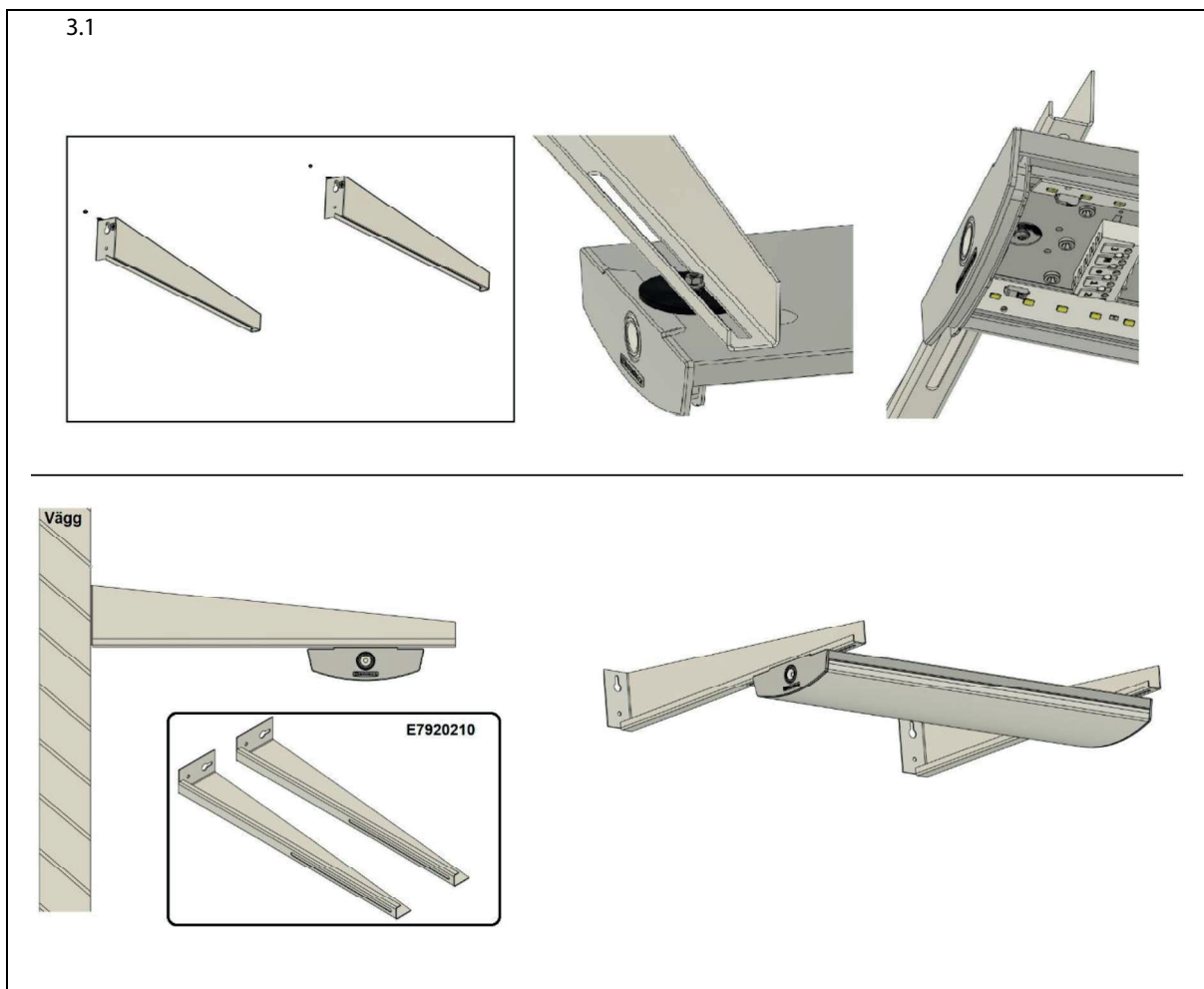
2. SE: Upphängning på wire/lina.
EN: Mounting on wire.



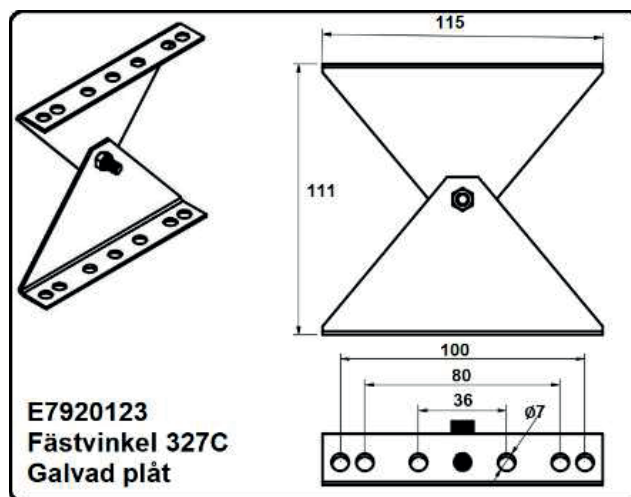


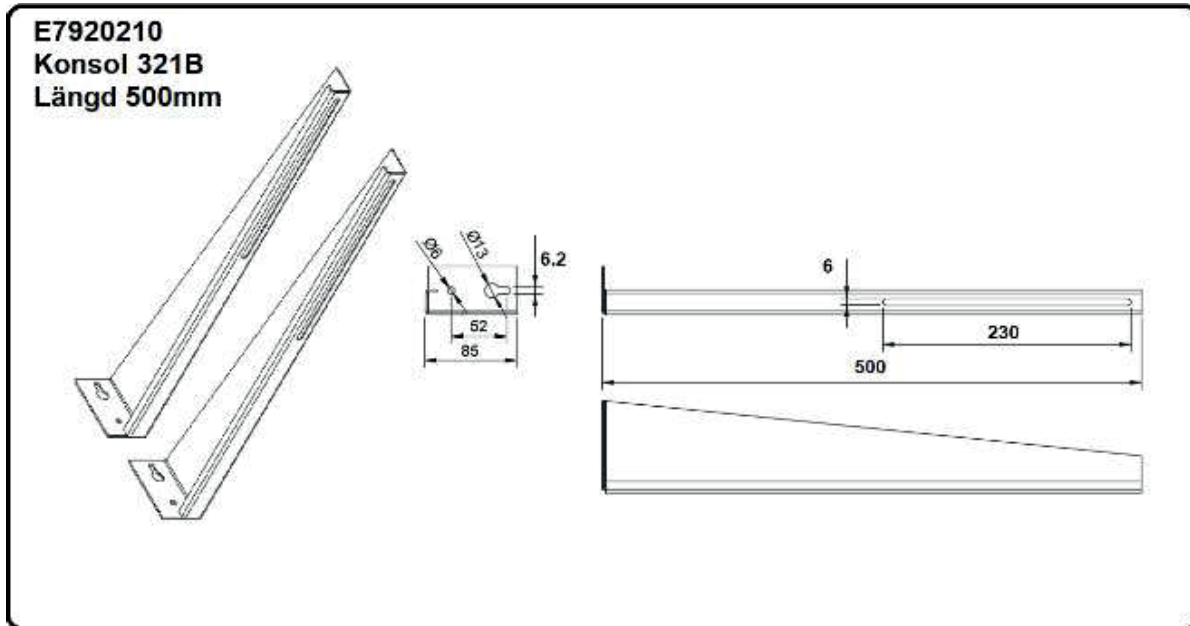
3. SE: Vägmonatg
EN : Wall-mounting





Tillbehör | Accessories





Styrning | Sensor

SE: På/Av sensor

UC01 är en mikrovågsensor med rörelsedetektor

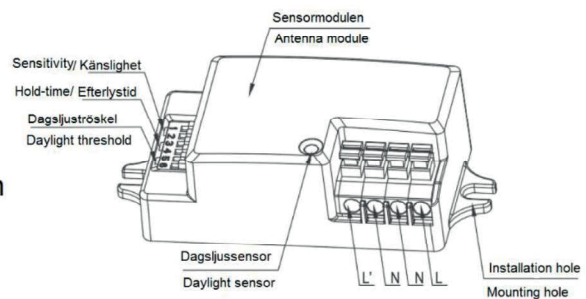
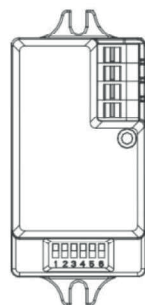
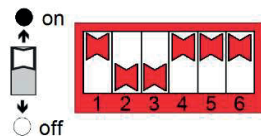
HF system 5.8 GHz.

Fabriksinställning:

Känslighet: 75%

Tid: 5 min

Dagsljussensor: Avstängd



Detektionsområde

	1	2	
I	●	●	100%
II	●	○	75%
III	○	●	50%
IV	○	○	10%

Eftertid

	3	4	
I	●	●	5S
II	●	○	90S
III	○	●	5min
IV	○	○	15min

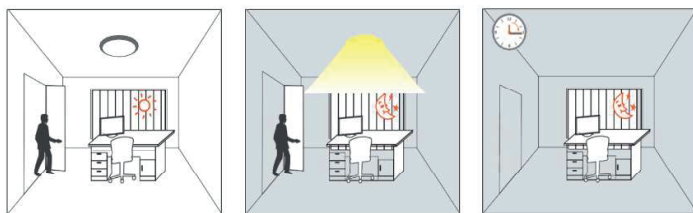
Dagsljussensor

	5	6	
I	●	●	Disable
II	●	○	50Lux
III	○	●	10Lux
IV	○	○	2Lux

Montering: Avskärma inte sensor med metallobjekt

Funktioner

Rörelsesensor tänds upp armaturen baserat på rörelse. Med sensorn inbyggd i armaturen kommer belysning tändas när behov finns och förbli släckt när belysning inte behövs.



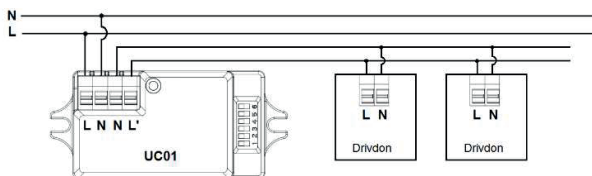
Belysningen förblir av under dagtid även om sensor detekterar en rörelse. (Om omgivningens ljusnivå är ovan inställda nivå på dagsljuströskeln)

Vid rörelse och otillräcklig omgivningsljus kommer sensorn tända belysningen.

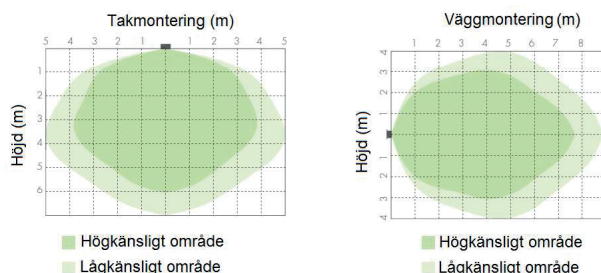
Vid utebliven närvaro kommer belysningen automatiskt släckas efter att efterlystiden löpt ut.

Kopplingsschema

Max belastning 400W: 5st slavarmatur oavsett effekt.



Detekteringsområde



Specifikation

Driftspänning	220 ~ 240 VAC 50/60Hz
Klassad belastning	400W(Kapazitiv last) 800W(Resistiv last)
Stand-by effekt	<0.5W
Känslighet	10% / 50% / 75% / 100%
Efterlystid	5s / 90s / 5 min / 15min
Dagsljuströskel	2lux / 10lux / 50 lux, inaktiv
Frevensområdet sensor	5.8 GHz ± 75 MHz
Sändningseffekt	<0.2mW
Detekteringsområde	Max (diameter x höjd): 10m x 6m
Montage höjd	Max 6m
Detekteringsvinkel	30° ~ 150°
Arbetstemperatur	-20°C ~ 60°C
IP-Klass	IP20
Certifikat	Semko, CB, CE, RCM, RoHs, RED

EN: On/off Detector

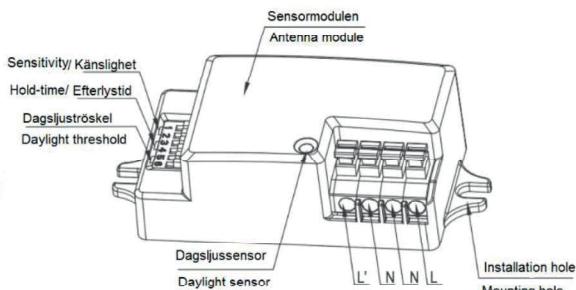
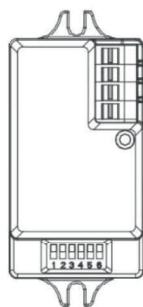
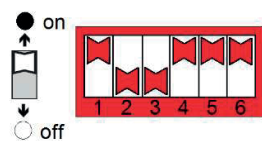
UC01 is a motion detector with HF system 5.8 GHz.

Factory settings:

Sensitivity: 75%

Hold-Time: 5 min

Daylight Sensor: Disable



Detection area	1	2	
I	●	●	100%
II	●	○	75%
III	○	●	50%
IV	○	○	10%

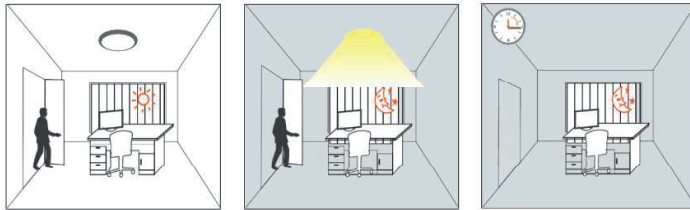
Hold time	3	4	
I	●	●	5S
II	●	○	90S
III	○	●	5min
IV	○	○	15min

Daylight sensor	5	6	
I	●	●	Disable
II	●	○	50Lux
III	○	●	10Lux
IV	○	○	2Lux

Mounting: Do not shield the sensor with metal objects

Functions

The motion detector turns on the light based on movement. Luminaire with this motion detector built in, the light automatically on when needed and off when not.



The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)

With movement and insufficient ambient lux level, the light is triggered on by the detector.

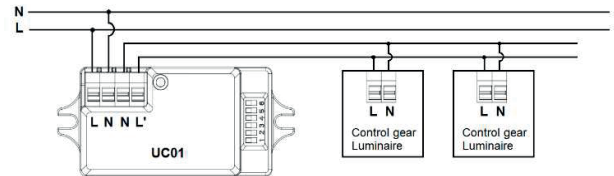
If there is no more movement, the light turns off automatically after hold-time preset.

Wiring

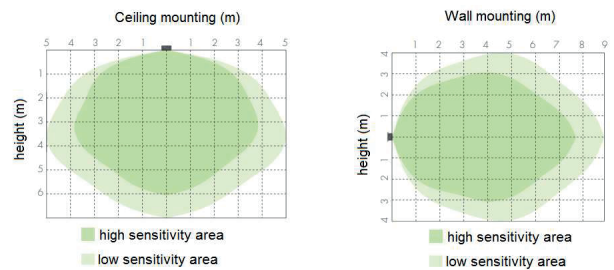
Maximum load 400W: 5pcs of slave fixtures regardless of effect.

Specification

Operating voltage	220 ~ 240 VAC 50/60Hz
Rated load	400W(Capacitive load) 800W(Resistive load)
Stand-by power	<0.5W
Sensitivity	10% / 50% / 75% / 100%
Hold-time	5s / 90s / 5 min / 15min
Daylight sensor	2lux / 10lux / 50 lux, disable
Microwave frequency	5.8 GHz ± 75 MHz
Transmitting power	<0.2mW
Detection range	maximum (diameter x height): 10m x 6m
Detection angle	30° ~ 150°
Mounting height	maximum 6m
Working temperature	-20°C ~ 60°C
IP rating	IP20
Certificate	Semko, CB, CE,RCM, RoHs, RED



Detection pattern



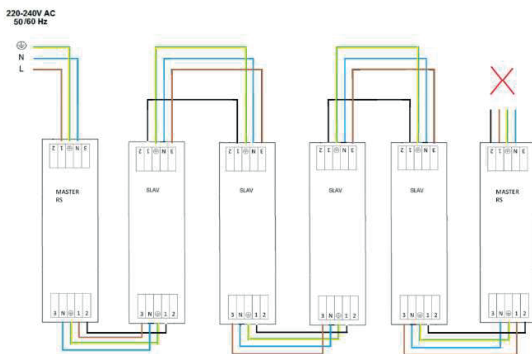
Inkoppling master- slav, RS- styrning

SE: Detta schema gäller endast RS + på/av armatur

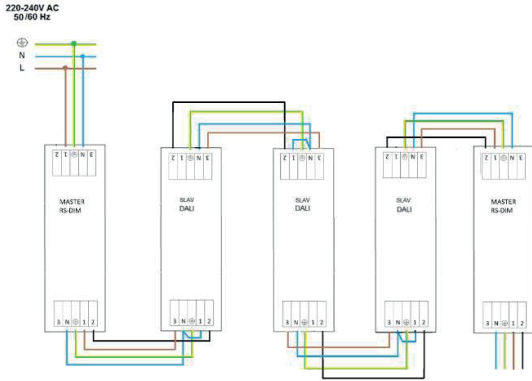
Det får aldrig kopplas ihop fler än 6 st armaturer per grupp oavsett antalet masters.

EN: This wiring diagram is only applied to fixture with RS + fixture with On/ Off function.

The limit is 6 fixtures per group, regardless the number of masters.

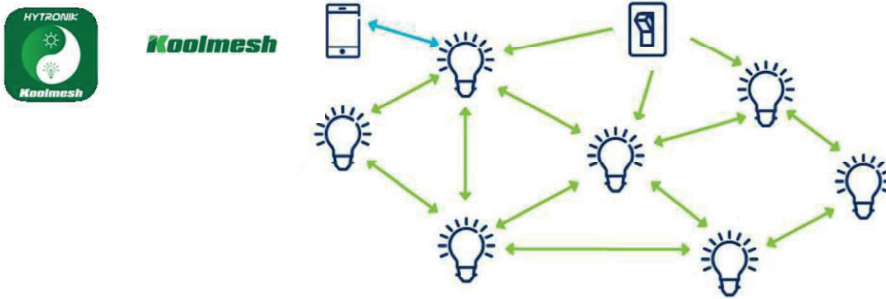


Inkoppling master- slav, RSdim- styrning



Bluetooth styrning

Hytronik: Koolmesh



Bluetooth 5.0 SIG mesh



iOS
Android



for iOS



for Android

Smartphone app for both iOS & Android platform





for iPad

Koolmesh Pro app for iPad



Web



for Web

Web app/platform: www.iot.koolmesh.com

SE: Koolmesh är baserat på ett Bluetooth låg energi mesh nätverk vilket betyder att alla armaturer i belysningsnätverket kommunicerar med varandra. Principen och funktionaliteten liknar Casambi.

Konfiguration via App på surfplatta eller smartphone (tillgänglig för iOS)

- HCD049/BT(High-bay) DALI/DALI-2 Bolt-on/Batten-t PIR Sensor. DALI PIR rörelsesensor med Bluetooth 5.0 SIG Mesh
- HC005S/BT (ON/OFF CONTROL) inbyggd mikrovågrörelsesensor med Bluetooth 5.0 SIG Mesh
- HCD405/BT (DALI Output) Fristående rörelsesensor med Bluetooth 5.0 SIG Mesh

EN: Koolmesh is based on Bluetooth low energy with mesh networks which mean all luminaires in the same networks communicate with each other.

Configuration via App on tablet or smartphone (available for iOS)

- HCD049/BT(High-bay) DALI/DALI-2 Bolt-on/Batten-t PIR Sensor. DALI PIR Motion Sensor with Bluetooth 5.0 SIG Mesh
- HC005S/BT (ON/OFF CONTROL) Built-in Microwave Motion Sensor with Bluetooth 5.0 SIG Mesh
- HCD405/BT (DALI Output) Detached Motion Sensor with Bluetooth 5.0 SIG Mesh

HCD049/BT(High-bay)



Input Characteristics

Model No.	HCD049/BT
Operating voltage	220 ~ 240VAC 50/60Hz
Stand-by power	<1W
Output	30mA, 12VDC (max. 15 devices)
Warming-up	30s

Sensor Data

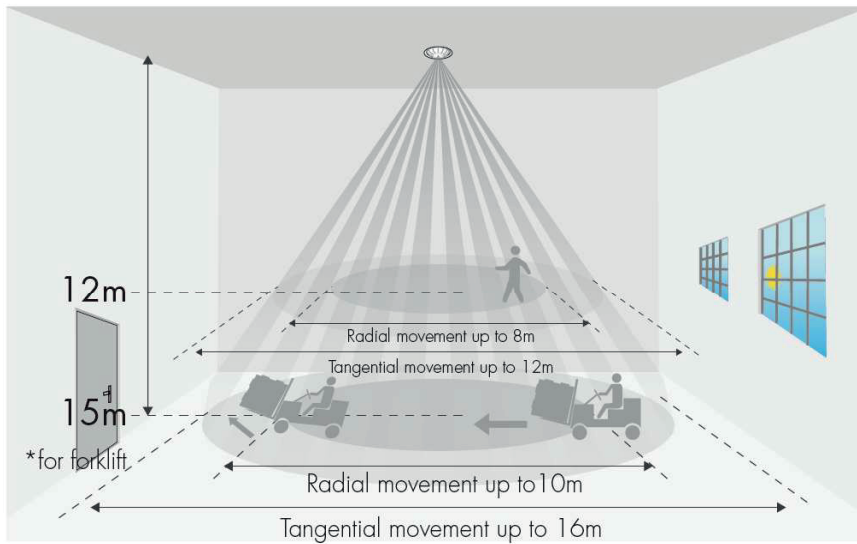
Model No.	HCD049/BT
Sensor principle	PIR detection
Detection range*	Max installation height: 15m (forklift) 12m (single person) Max detection range: 16m (diameter)
Detection angle	360°

*The detection range is heavily influenced by sensor placement (angle) and different walking paces. It may be reduced under certain conditions.

Environment

Operation temperature	Ta: - 20°C ~ +50°C
IP rating	IP65

Detection Pattern



*The detection patterns are based upon 5km/h movement speed.

HC005S/BT (ON/OFF CONTROL)



Input & Output Characteristics

Model No.	HC005S/BT
Operating voltage	220 ~240VAC 50/60Hz
Stand-by power	<1W
Load ratings	300VA (capacitive),400W(resistive)
Warming-up	20s

Sensor Data

Model No.	HC005S/BT
Sensor principle	High Frequency (microwave)
Operation frequency	5.8GHz+/-75MHz
Transmission power	<0.2mW
Detection range	Max installation height: 6m Max detection range: 10m (diameter)
Detection angle	30°~ 150°

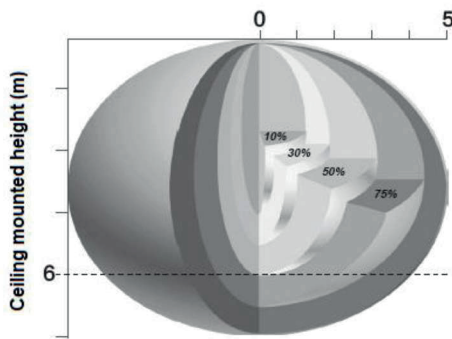
Environment

Operation temperature	Ta: -20 °C ~ +50 °C
Case temperature(MAX.)	Tc: +75° C
IP rating	IP20

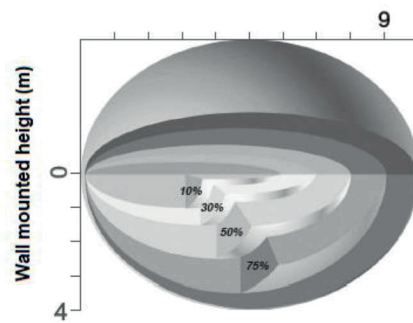
Bluetooth Transceiver

Operation frequency	2.4 GHz - 2.483 GHz
Transmission power	4 dBm
Range (Typical indoor)	10~30m
Protocol	 Bluetooth 5.0 SIG Mesh

Detection Pattern



Ceiling mounted detection pattern (m)



Wall mounted detection pattern (m)

HCD405/BT (DALI Output)



Input & Output Characteristics

Model No.	HCD405/BT
Operating voltage	220 ~240VAC 50/60Hz
Stand-by power	<1W
Load ratings	30mA (max. 15 devices)
Warming-up	20s


Sensor Data

Model No.	HCD405/BT
Sensor principle	High Frequency (microwave)
Operation frequency	5.8GHz+/-75MHz
Transmission power	<0.2mW
Detection range	Max installation height: 6m Max detection range: 10m (diameter)
Detection angle	30°~ 150°

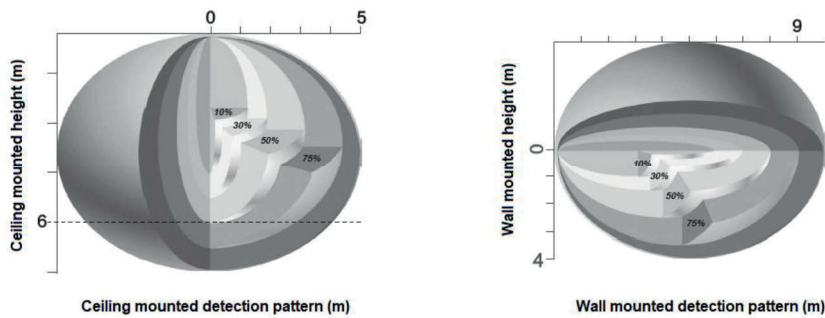
Environment

Operation temperature	Ta: -20 °C ~ +50 °C
Case temperature(MAX.)	Tc: +75°C
IP rating	IP20

Bluetooth Transceiver

Operation frequency	2.4 GHz - 2.483 GHz
Transmission power	4 dBm
Range (Typical indoor)	10~30m
Protocol	 Bluetooth 5.0 SIG Mesh

Detection Pattern



Nödljus| Emergency light

SE: Funktionsbeskrivning nödljus med automatisk testfunktion

Vid första igångsättningen och vid byte av batteri så startar en 20 -timmars laddningsperiod.

Efter de 20 timmarna så genomförs ett uthållighetstest (Duration test) av nödljuset i 2 timmar (armaturen lyser med nödljusstyrka)

Om testet genomförs OK så går armaturen över till normalläge och laddningsindikatorn lyser grönt.

Om testet inte blir godkänt så kommer laddningsindikatorn att blinka en felkod enligt nedanstående tabell.

Om det första testet ej blir godkänt efter installation rekommenderas det att bryta spänningen till drivern ca 30 sekunder och låta drivern göra ett nytt försök med laddning och test.

Detta uthållighetstest utförs sedan automatiskt en gång per år

Ett funktionstest på 5 sekunder utförs automatiskt en gång per vecka

Batteriet ska bytas var 4:e år

LED indication	Status	Comment
Permanent green	System OK	AC mode
Fast flashing green (0,1 sec on – 0,1 sec off)	Function test underway	
Slow flashing green (1 sec on – 1 sec off)	Duration test underway	
Red LED on	Load failure	Open circuit / Short circuit / LED failure
Slow flashing red (1 sec on – 1 sec off)	Battery failure	Battery failed the duration test or function test / Battery is defect or deep discharged/ Incorrect battery voltage
Fast flashing red (0,1 sec on – 0,1 sec off)	Charging failure	Incorrect charging current
Double pulsing green	Inhibit mode	Switching into inhibit mode via controller
Binary transmission of address via green/red LED	Address identification	During address identification mode
Green and red off	DC mode	Battery operation (emergency mode)

EN: Functional description emergency light with self test function

At the first start-up and when changing the battery, a 20-hour charging period starts.

After the 20 hours, a duration test of the emergency light is performed for 2 hours (the luminaire is lit with emergency brightness)

If the test performs OK, the luminaire switches to normal mode and the charge indicator returns to permanent green.

If the test is not passed, the charge indicator will flash an error code according to the table below.

If the first test fails after installation it is recommended to cut power to the driver for approx. 30 sec and then let the driver make a new attempt with charge and test.

This duration test is then performed automatically and once a year

A 5-second function test is performed automatically and once a week

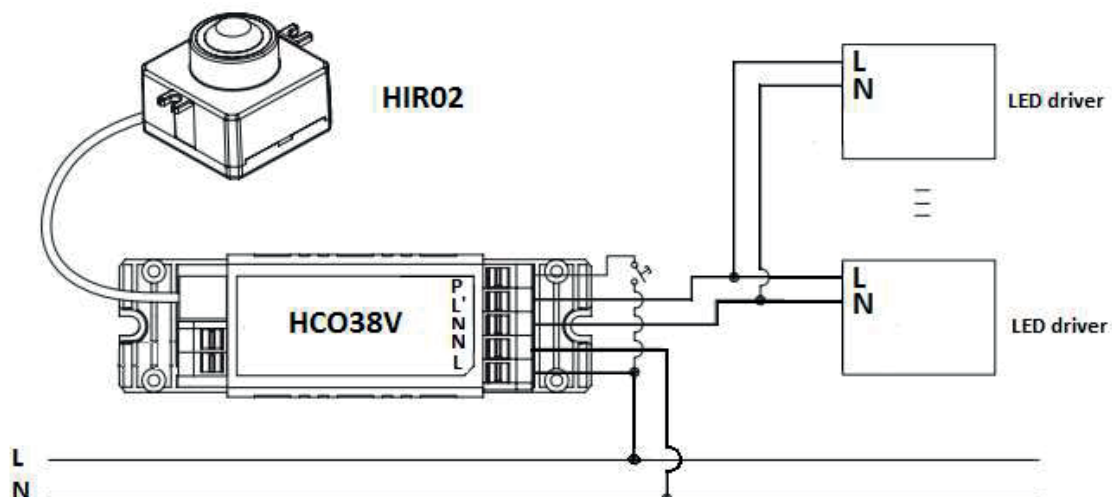
The battery must be replaced every 4 years

LED indication	Status	Comment
Permanent green	System OK	AC mode
Fast flashing green (0,1 sec on – 0,1 sec off)	Function test underway	
Slow flashing green (1 sec on – 1 sec off)	Duration test underway	
Red LED on	Load failure	Open circuit / Short circuit / LED failure
Slow flashing red (1 sec on – 1 sec off)	Battery failure	Battery failed the duration test or function test / Battery is defect or deep discharged/ Incorrect battery voltage
Fast flashing red (0,1 sec on – 0,1 sec off)	Charging failure	Incorrect charging current
Double pulsing green	Inhibit mode	Switching into inhibit mode via controller
Binary transmission of address via green/red LED	Address identification	During address identification mode
Green and red off	DC mode	Battery operation (emergency mode)

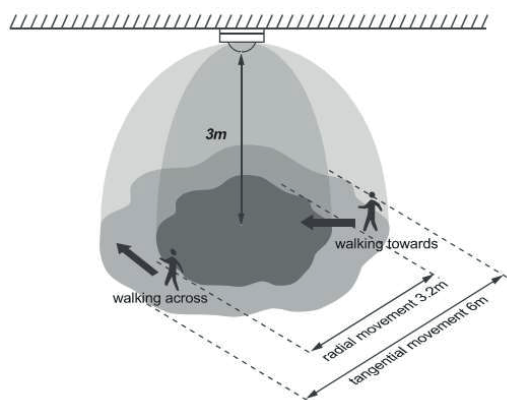
EN: MODEL NO.: HC038V on-off (1-10V input not functional)

Technical Specifications:

Model No.	HC038V
PRODUCT TYPE:	PIR Sensor
OPERATING VOLTAGE:	220-240VAC 50Hz/60Hz
POWER CONSUMPTION:	<1W
RATED LOAD:	400W (capacitive load)
MAX INRUSH CURRENT:	80A @136us
DETECTION ANGLE:	30°~15 0°
DETECTION RANGE (DxH):	Max. 6 x 3m
HOLD TIME:	5s ~ 60min. (5 min default)
DAYLIGHT SENSOR:	Low, Med, High, Disable (Disable default)
MOUNTING:	Indoors, ceiling & wall mounted
WORKING TEMP.:	-20 ~ +55 ° C
CASE TEMPERATURE(MAX):	Tc: +80 ° C
IP-RATING	IP20



Detection pattern, ceiling mounted



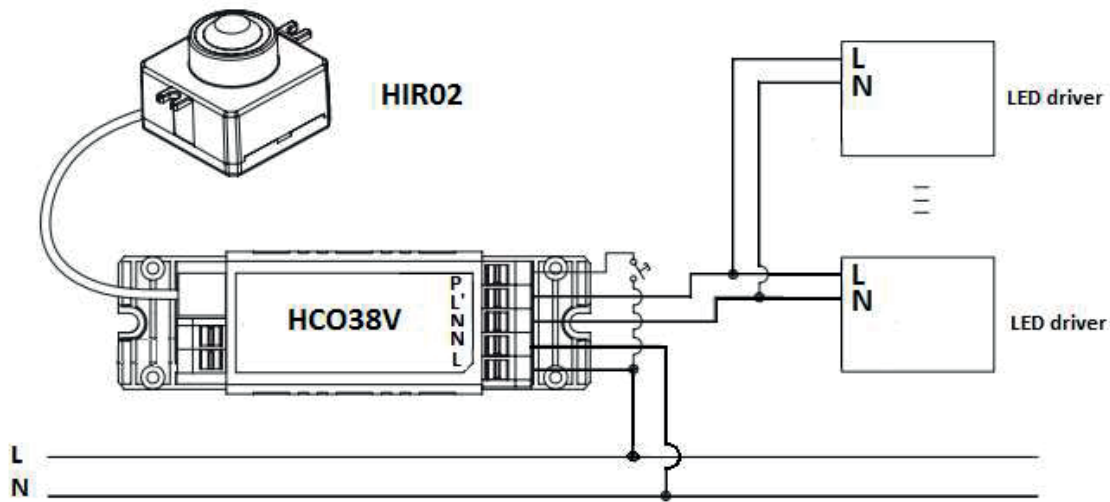
Trouble shooting

MALFUNCTION CAUSE REMEDY	CAUSE	REMEDY
The light will not come on	Incorrect light-control setting selected	Adjust daylight threshold setting
	Faulty lamp	Replace lamp
	No power supply	Check power to sensor
The lamp is always on	Continuous movement in the detection zone	Check detection area setting
The lamp is on without any identifiable movement	The sensor is not mounted for reliably detecting movement	Securely mount enclosure
	Movement occurred, but not identified by the sensor (Movement behind wall, movement of small object in immediate lamp vicinity etc.)	1. Reduce sensitivity. 2. Check the movement behind walls to avoid facilities such as water pipe, fan, which may mis-trigger the sensor.
The lamp will not work despite movement	Rapid movements are being suppressed to minimize malfunctioning or the detection radius is too small.	Check detection area setting

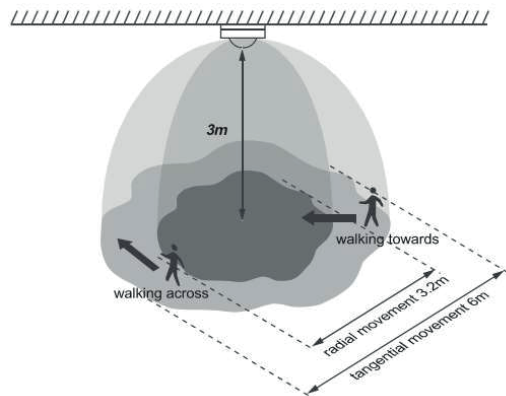
SE: MODEL NO.: HC038V on-off (1-10V ingång ej aktiv)

Tekniska specifikationer:

Modell Nr.	HC038V on-off
PRODUKT TYP:	PIR Sensor
MÄRKSPÄNNING:	220-240VAC 50Hz/60Hz
STRÖMFÖRBRUKNING:	<1W
MAX BELASTNING:	400W (kapacitiv last)
MAX STARTSTRÖM:	80A @136us
DETEKTIONSVINKEL :	30°~15 0°
DETEKTIONSOMRÅDE (DxH):	Max. 6 x 3m
HÅLLTID:	5s ~ 60min. (5 min default)
DAGSLJUSSENSOR:	Low, Med, High, Disable (Disable default)
MONTERING:	Inomhus, tak- eller väggarmatur
OMGIVNINGSTEMPERATUR:	-20 ~ +55 ° C
KAPSLINGSTEMPERATUR (MAX):	Tc: +80 ° C
KAPSLINGSKLASS	IP20



Detektionsområde, takmonterad



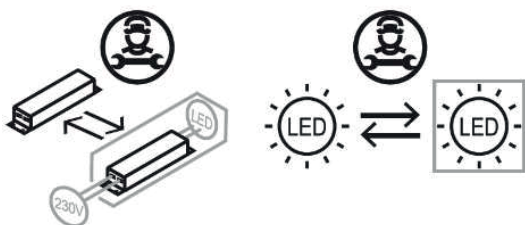
Felsökning

Ljuset tänds inte	*Felaktiv inställning av dagsljussensor *Defekt lampa *Strömförsörjning saknas	*Ändra inställning för dagsljussensor *Byt lampa *Kontrollera strömförsörjning
Lampan lyser hela tiden	För högt inställd sensorkänslighet	Kontrollera inställningen för sensorkänslighet
Lampan tänds inte trots rörelse	För lågt inställd sensorkänslighet	Kontrollera inställningen för sensorkänslighet

Service

SE: Rengör ytan på armaturen med en mjuk trasa.

EN: Clean the surface of the luminaire with a soft cloth.



SE: Ljuskälla, konverter ska endast bytas ut av tillverkare eller kvalificerad person.

Denna produkt innehåller ljuskälla som har energieffektivitetsklass D

EN: Light source, Converter shall only be replaced by manufacturer or qualified person.

This product contains light source which has energy efficiency class D

Återvinning | Recycling

