

# DIFFUSALUX 3

# THORN

EN	Installation Instructions	HR	Uputstvo za montažu	SE	Installationsanvisning
DE	Montageanleitung	NL	Montagehandleiding	RU	Инструкция по монтажу
CZ	Montážní návod	RO	Instructiuni de montaj	SRB	Instrukcija za instalaciju
DK	Monteringsvejledning	IT	Istuzioni di montaggio	SK	Montážny návod
EE	Paigaldusjuhend	LT	Montavimo Instrukcijos	SLO	Navodilo za montažo
FI	Asennusohje	LV	Instalācijas instrukcija	CN	安装说明书
FR	Notice de montage	NO	Monteringsanvisning		
HU	Szerelési útmutató	PL	Instrukcja montażu		



**1. Be aware this luminaire has a lumen output switch. Make sure to select the right wattage for your project.**



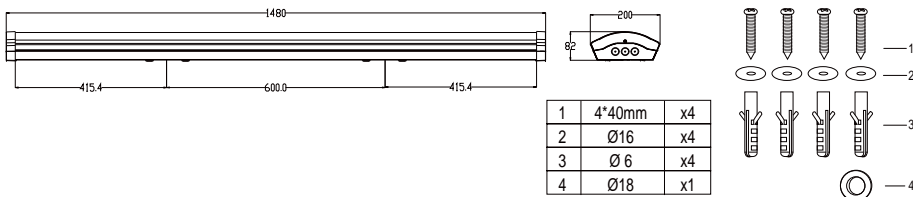
- Installation and commissioning may only be carried out by authorised specialists and wired in accordance with the latest IEE electrical regulations or the national standards.
- Mains power must be switched off before carrying out installation.
- The manufacturer, shall not be liable for any damage resulting from inappropriate modifications to the luminaire or faulty installation.
- Indoor use only.
- Caution, risk of electric shock.  
The control gear provides basic insulation between the LV supply and the control circuit.
- Luminaires not suitable for covering with thermally insulating material.
- Wall mounting in either vertical or horizontal position is also acceptable.



You can help protect the environment!  
Please remember to respect the local regulations: hand in non-working electrical equipment to an appropriate waste disposal centre. The packaging material is recyclable. Dispose of the packaging in an environmentally friendly manner and make it available for the recyclable material collection service.



Product Description	SAP Code	Wattage	Lumen	Current	Voltage	CRI	Ta	CCT
DIFF 3 5000-840 HF L1500 LOS	96633566	26W/44W/62W	3050lm/5000lm/6575lm	0.13A/0.20A/0.27A	220-240V~ 50/60Hz	>80	-20~40°C	4000K
DIFF 3 5000-840 HF E3 L1500 LOS	96633567	28W/46W/64W	3050lm/5000lm/6575lm	0.15A/0.22A/0.29A			0~30°C	
DIFF 3 5000-840 HF MWS L1500 LOS	96633568	26W/44W/62W	3050lm/5000lm/6575lm	0.13A/0.20A/0.27A			-20~40°C	
DIFF 3 5000-840 HF E3 MWS L1500 LOS	96633569	28W/46W/64W	3050lm/5000lm/6575lm	0.15A/0.22A/0.29A			0~30°C	
DIFF 3 5000-840 HFIX L1500 LOS	96633570	26W/47W	3000lm/5000lm	0.13A/0.22A			-20~40°C	
DIFF 3 5000-840 HFIX E3 L1500 LOS	96633571	28W/49W	3000lm/5000lm	0.15A/0.24A			0~30°C	



# DIFFUSALUX 3

**1** 2x 4x16mm 8-10N.m

**2**

**3**

**4**

**5**

Pout Max	Rated Current	Lumen Output	Voltage Out	1	2
26W	660mA	3050LM	36V	—	—
44W	1100mA	5000LM	36V	ON	—
62W	1500mA	6575LM	36V	—	ON

Note: "—" means current adjustment cut off

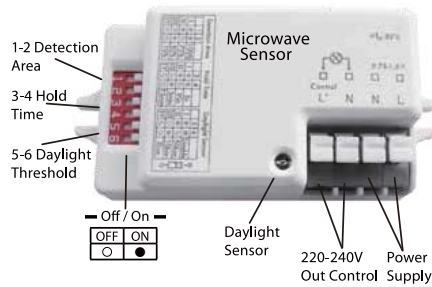
Terminal block: HF, N, L, 5-7mm<sup>2</sup>, 1-2.5mm<sup>2</sup>

**6**

**7**

**8**

# MWS



## 1. Sensibilité/Sensitivity

I - 100%	●	●	100%
II - 75%	●	○	75%
III - 50%	○	●	50%
IV - 10%	○	○	10%

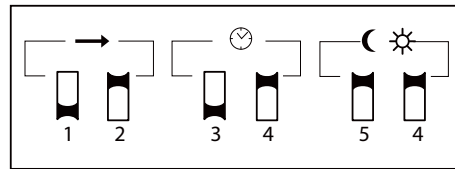
## 2. Durée/Hold-time

I - 5s	●	●	5s
II - 90s	●	○	90s
III - 5min	○	●	5min
IV - 15min	○	○	15min

## 3. Luminosité/Daylight sensor

I - Disable	●	●	Disable
II - 50Lux	●	○	50Lux
III - 10Lux	○	●	10Lux
IV - 2Lux	○	○	2Lux

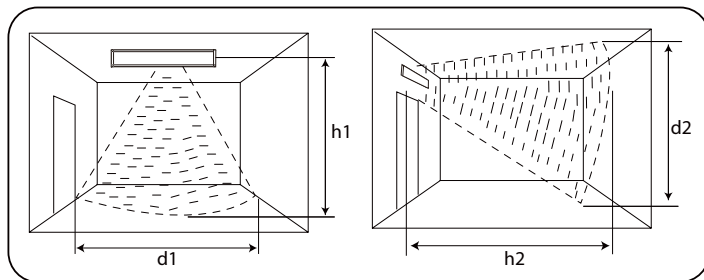
### Default/Défaut



50%

5min

Disable



	h1	d1	h2	d2
100%	6m	10m	6m	6m
75%	4.5m	8m	4m	5m
50%	3m	6m	2m	3m
10%	1m	2m	1m	1m

# DALI

## Dimming

Dimming range 1 % to 100 %

Digital control with:

- DSI signal: 8 bit Manchester Code  
Speed 1 % to 100 % in 1.4 s
- DALI signal: 16 bit Manchester Code  
Speed 1 % to 100 % in 0.2 s

Programmable parameter:

Minimum dimming level

Maximum dimming level

Default minimum = 1 %

Programmable range 1 % ≤ MIN ≤ 100 %

Default maximum = 100 %

Programmable range 100 % ≥ MAX ≥ 1 %

Dimming curve is adapted to the eye sensitiveness.

Dimming is realized by amplitude dimming.

## Control input (DA/N, DA/L)

Digital DALI signal or switchDIM can be wired on the same terminals (DA/N and DA/L).

The control input is non-polar for digital control signals (DALI, DSI).

The control signal is not SELV. Control cable has to be installed in accordance to the requirements of low voltage installations.

Different functions depending on each module.

## SwitchDIM

Integrated switchDIM function allows a direct connection of a pushbutton for dimming and switching.

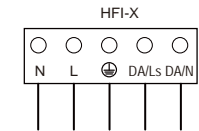
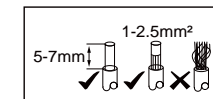
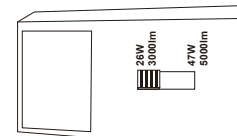
Brief push (< 0.6 s) switches LED Driver ON and OFF. The dimm level is saved at power-down and restored at power-up.

When the pushbutton is held, LED modules are dimmed. After release the LED modules are dimmed in the opposite direction.

In installations with LED Drivers with different dimming levels or opposite dimming directions (e.g. after a system extension), all LED Drivers can be synchronized to 50 % dimming level by a 10 s push.

Use of pushbutton with indicator lamp is not permitted.

## Wattage Select



DA/Ls DA/N=Dimmer

# Emergency

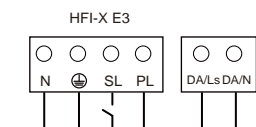
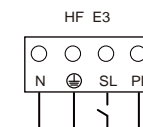
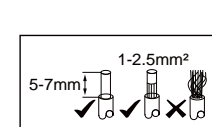
1. Ensure the battery plug is connected to the socket on the driver



Plug in battery connection before use



2. Make the electrical connections to the terminal block according to the markings:



DA/Ls DA/N=Dimmer

3. Connect to power supply and allow to charge for 24 hours.

4. Lumen output is typical 270lm during the emergency mode.