



EXTERNAL



A digital version of this document is available to download and submit online at [www.thorlux.com/commissioning](http://www.thorlux.com/commissioning)

To secure your preferred commissioning date please complete this form and email to [siteservices@thorlux.co.uk](mailto:siteservices@thorlux.co.uk)

Alternatively fax it to the Site Services Department on **01527 584177**

## CANCELLATIONS

If the commissioning date is cancelled at under five working days notice a charge of £250 will be made

## SITE DETAILS

PROJECT

COMPANY

TELEPHONE

E-MAIL

ADDRESS

POST CODE

## SITE CONTACT

NAME

TELEPHONE

## DETAILS OF WHO IS REQUESTING COMMISSIONING

This information is important so that we know who to contact to advise visit dates, give progress reports/report issues to and successful completion of our visit. Please complete all sections. Failure to do so will result in a delay booking your visit.

NAME

ADDRESS

JOB TITLE

COMPANY

TELEPHONE

POST CODE

MOBILE

E-MAIL



## COMMISSIONING PRE-REQUISITES

- All SmartScan External luminaires must be powered at least 24 hours before the date of commissioning
- It will be necessary to vacate the areas with SmartScan External luminaires to allow the movement detection function to be tested *(If this is not possible during normal working hours and an out of hours visit is required, this will be chargeable)*
- As fitted drawings must be available denoting grouping of luminaires.

## SITE INFORMATION

Preferred commissioning date

Is parking available on site?

What is the floor to luminaire height?

FROM TO

What is the site handover date?

What are the site working hours?

FROM TO

Is a site safety induction briefing required?

Is special permission to work beyond these hours required?

YES NO

YES NO

If YES, how is this arranged?

If YES, how is this authorised?

Have lighting layout drawings been supplied by Thorlux?

YES NO

*If NO, a clean copy of the as-installed drawings will be required by the Commissioning Engineer for notation and record keeping purposes*

## PERSONAL PROTECTION EQUIPMENT REQUIRED ON SITE

Hard hat

Ear defenders

High visibility jacket

Safety boots

Eye protection

Gloves

Other



## BASIC PARAMETERS

PARAMETER	DESCRIPTION	RANGE OF SETTINGS	FACTORY DEFAULT SETTINGS	CANOLUX LED FACTORY PRESET
LIGHT LEVEL	Sets the threshold at which the luminaire switches on.	6 - 200 lux	70 lux	200 lux
TIME DELAY	Sets the period the luminaires will remain on after the last detected movement before dimming down and switching off.	30s to 10hrs or continuous	10 min	5 min
SECURITY LEVEL	Sets the DALI level at which the luminaire will remain for the 'If Vacant' period set below.	1 -100% DALI	10%	30%
IF VACANT	Determines what happens at the end of the Time Delay set above. If Vacant luminaire can be set to switch off, remain at the security level for a preset period, or remain on continuously.	Off or at minimum for between 30s and 10hrs or continuous	10 min	Continuous
PIR	Sets the PIR for the luminaire. Normal setting is active. May be set to inactive or Off only to avoid nuisance switching. (Off only needs a Motionline connection to switch the light On).	Active / In-Active / Off only	Active	Active
PIR SENSITIVITY	May be adjusted to suit local conditions, and reduce nuisance switching.	Min / 1 to 5 / Max	5	5
BRIGHT-OUT	Determines whether the luminaires are switched off during the day or operate at all times. If set to Yes, the luminaire will switch off if the measured light level is above the Bright-Out Threshold for more than 10mins. If set to No, the luminaires will never switch off as a result of increased light level.	Yes / No	Yes	Yes
BRIGHT-OUT THRESHOLD	Sets the level at which the luminaires will switch off. It is set as a percentage of the Light Level setting. (Default setting requires there to be greater than 140 lux for more than 10 minutes before the light will switch off).	100% - 400% in increments of 50%	200%	400%



## BASIC PARAMETERS

PARAMETER	DESCRIPTION	RANGE OF SETTINGS	FACTORY DEFAULT SETTINGS	CANOLUX LED FACTORY PRESET
POWER UP	Switches luminaires back on after power is restored due to a mains power interruption. Luminaires then switch off as per PIR programming.	ON May be set to OFF but the luminaires will only switch on only when presence is detected after power restoration.	ON	ON
HOLD OVERRIDE	After the time delay has expired and new presence is detected the luminaire will revert to automatic mode and ignore any manual override that had been set.	YES: If changed to YES, manual override settings will be retained permanently. NO	NO	NO
MIN LAMP	Sets the minimum dim level for the Smart Luminaire.	1-100% (dependent upon blast/driver range capability)	10%	10%
MAX LAMP	Can be used to cap the maximum output of the luminaire.	1-100% in increments of 1%.	100%	100%
REFLECTION	Allows the reflectivity of the ground surface to be taken into account.	10/20/30 - 100%	20%	20%

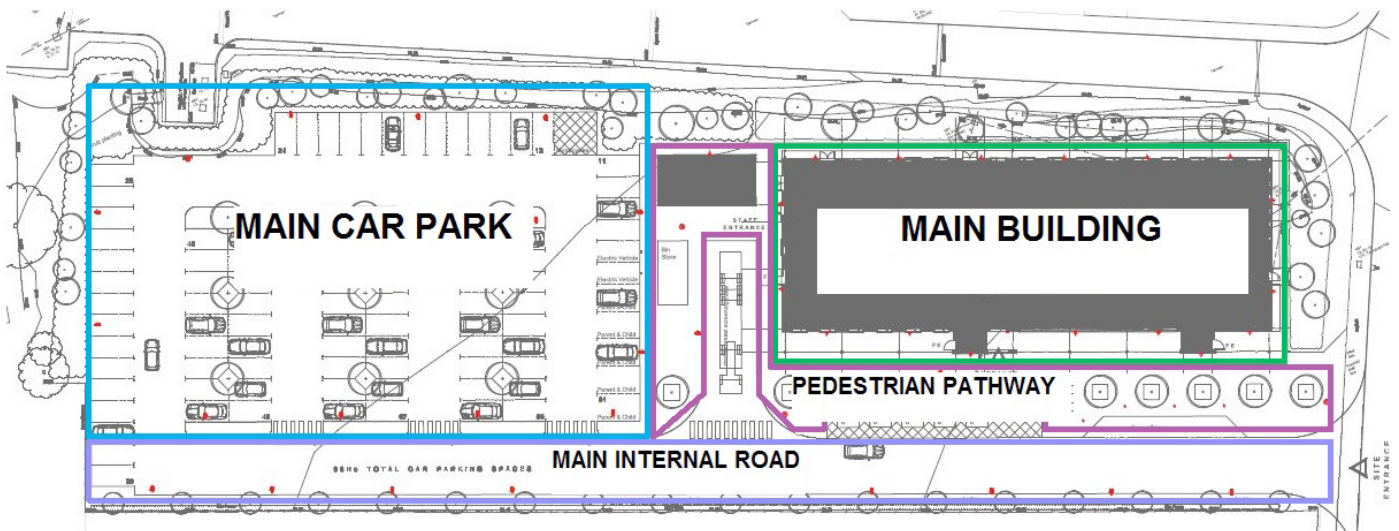




## GROUPING

As fitted drawings must be provided detailing groups of luminaires to trigger together (as below drawing).

If no drawing is provided the commissioning engineers discretion will be used



## TIME-CLOCK SETTINGS

Parameters requested for time-clock settings. This will override all SmartScan settings.

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
TIME ON							
TIME OFF							
TIME ON							
TIME OFF							



## FAULTY FITTINGS

It is not possible for our engineers to carry spares for every luminaire in our range. Please list below the quantity, catalogue number and the nature of fault i.e. no operation so that we can bring the exact spare/items required.

CAT. NO.	CAT. NO.	CAT. NO.
QUANTITY	QUANTITY	QUANTITY
FAULT	FAULT	FAULT

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## DELIVERIES

Please list outstanding items.

CAT. NO.	CAT. NO.	CAT. NO.
QUANTITY	QUANTITY	QUANTITY



## SMARTSCAN EXTERNAL SENSOR INDICATOR

EVENT	DEFAULT BEHAVIOUR
Bright-out	Green LED - fast flash (1 second ON, 1 second OFF)
Permanent OFF	Green LED - slow flash (1 second ON, 4 seconds OFF)
Movement detection	Red LED - flashes once
IR Programmer receive	Red LED - flashes 3 times
100 hour burn in	Red LED - permanent ON

## SMARTSCAN INDICATORS

EVENT	DEFAULT BEHAVIOUR	IF ENABLED BY SMARTSCAN PROGRAMMER
RF transmitted	LEDs OFF	Blue LED - flashes once
RF received	LEDs OFF	LEDs OFF
RF inhibit	LEDs OFF	Yellow LED - flashes once every 8 seconds
Join/leave/ping network request	Blue LED - flashes for a maximum of 60 seconds	Blue LED - flashes for a maximum of 60 seconds
Join/leave/ping network successful response	<b>Smart:</b> Green LED - flashes 10 times	<b>Smart:</b> Green LED - flashes 10 times
	<b>Emergency:</b> Amber LED - flashes 10 times	<b>Emergency:</b> Amber LED - flashes 10 times
<i>NOTE: If no response is received after 60 seconds, the LED stops flashing, and reverts to normal display (as defined above based on Short Address).</i>		
Join/leave/ping network unsuccessful response	<b>Smart:</b> Red LED - flashes 10 times	<b>Smart:</b> Red LED - flashes 10 times
	<b>Emergency:</b> LEDs OFF	<b>Emergency:</b> LEDs OFF





## USER REGISTRATION REQUEST

COMPANY

E-MAIL

TITLE

TELEPHONE

FIRST NAME

ADDRESS

SURNAME

JOB TITLE

POST CODE

E-mail notification if site status green - Healthy

YES NO

E-mail notification if site status red - Fault

YES NO

## EMERGENCY TEST REGIME

Default setting: 1st of each month at 00:00 from commissioning date

PREFERRED MONTH

PREFERRED DAY

PREFERRED TIME

SMARTSCAN EMERGENCY FITTINGS MUST BE LEFT POWERED FOR MIN 51 HOUR PERIOD PRIOR TO COMMISSIONING.

- 24 hour charge from power up
- 3 hour recorded duration discharge for all fittings (after 24 hour charge)
- 24 hour recharge

PLEASE BE ADVISED IF OUR ENGINEERS ATTEND SITE AND ARE UNABLE TO COMPLETE THEIR TASKS DUE TO INCOMPLETE INSTALLATIONS, DAMAGED FITTINGS OR CONTROLS, ALL ADDITIONAL VISITS AND/OR COMPONENTS WILL BE CHARGED FOR