HIQ Configurator

HIQ Configurator is a tool for setting the HIQ system configuration parameters. This includes device settings, timetable, automation, alarm and more. Controller Settings can be saved in a file. Hardware configuration is automatically detected during the installation.

To check the application without the hardware, run HIQ Simulator (included in HIQ Configurator install directory), keep it running, and click Autodetect.

HIQ Configurator works in a local network, internet access is not supported.

Download HIQ Configurator.

(Some antivirus programs or company firewalls do not allow the downloading of *.exe files. You can download file in .zip package or you can disable the antivirus program.)

Lights + Blinds

Manual control of lights, dimmers, blinds and scenes.

Manual control		
On Off lights	On Off lights Click on icon to toggle.	
DimmableAdjust brightness with slider then click on icon tolightstoggle on/off.		
Blinds	Click on blind to set position.	
Scenes	Click on scene icon to set affected lights and blinds to values stored in scene memory.	
Settings		
On Off lights	Long-press to set auto off time in seconds; set to 0 to disable auto-off.	

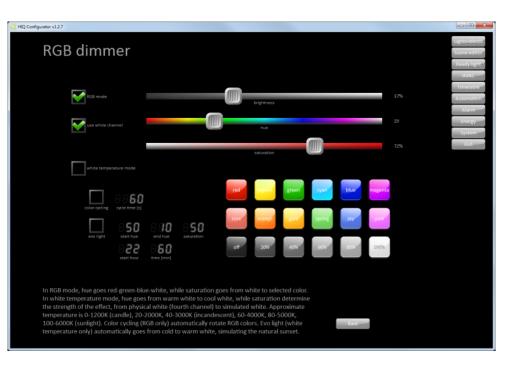


Dimmable lights	Long-press on numbers by dimmer icons to set minimum and maximum output level. Check Slow option to gruadually enable intensity change for all dimmable lights.
Blinds	Long-press on upper / lower time to set rising / lowering time.
	Long-press on % to set intermediate position. Set to 0 for no intermediate position.
Scenes	Long-press on scene icon to memorize current lights/blinds state to scene memory. Only affected lights and blinds will be memorized. For setting affected devices see Scene editor.

RGB dimmer

RGB mode is used when red/green/blue/(white) LED stripe is connected to the dimmer. Instead of individual light, total brightness, saturation and hue are controlled.

Control
Sliders on top adjust brightness, saturation and hue of RGB lights. Check boxes on right side toggle RGB and White lamps
Color cycling button will start color cycling.
Colors buttons will set RGB lights to match button colour.
Off button will turn RGB off.
Settings
Cycle time sets color cycling speed (time for complete cycle in seconds).
Evo light check box enables white range simulation, from warm to cold white.



Input setup

Set mode of operation for each Light controller (LC) input. Click on input icon to cycle between all options. In scene mode corresponding scene has to be set.

Settings

Default is to toggle the corresponding output on and off with each keypress.

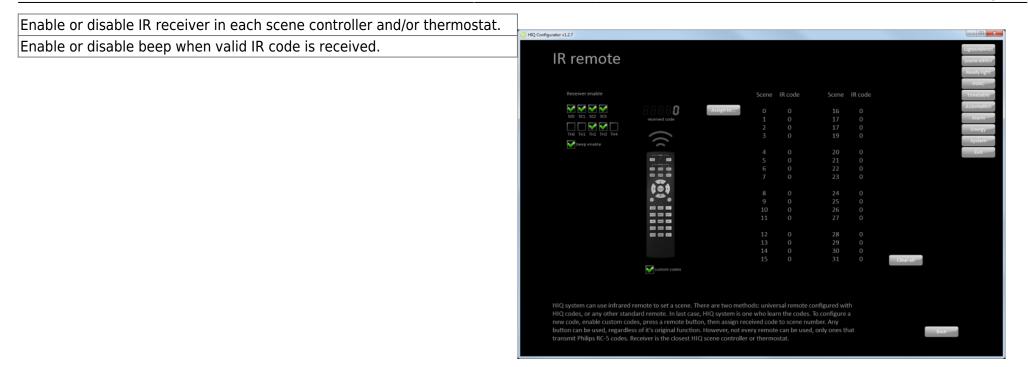
Timer extend is used to extend the time when output is configured as timer.	C HQ Configurator v1.2.7
Typical usage is for a staircase light.	Input setup
Direct mode turns output on when button is pressed, off when released. Typical usage is for a door bell.	LCO
Scene button enables selected scene. Scene number is altered with a long press on scene number.	ingut 8 ingut 1 ingut 2 ingut 3 ingut 4 ingut 5 ingut 6 ingut 7 ingut 8 ingut 9 ingut
Timer extend mode extends timer with every press. Typical use is motion (PIR) sensor.	in material and in the same same in the sa
Timer extend/night only - the same as above, works only al low light conditions.	notion sensor hight only
Motions sensor for ready light.	door sensor (inverse)
Inverse door (window) sensor – inverse function of "direct" (doorbell) button.	acor sensor night only
Inverse door sensor/night only – the same as above, works only al low light conditions.	Operation mode for light controller inputs. Light button toggle the corresponding output. Staircase button turn the light on, then with each subsequent press extend the time (output configured as timer). Doorbell button directly goes to output (press on, release off). Scene button activate the specified scene. Motion sensor is used for automatic lights, or as ready light sensor. Door sensor is
Door sensor for ready light.	used for direct light control, or as ready light sensor. Spare inputs may be used in custom functions.
Input only – used for custom programming in Home controller.	

IR remote

HIQ scenes can be set from an IR remote controller. Any Philips (RC5) compatible remote controller can be used. Receiver is any scene controller or thermostat (SC-4T-IQ, SC-40-IQ, TH-1M-IQ, TH-1T-IQ and TH-3-IQ).

Settings

Press remote controller button until the code is recognized, then assign it to a scene.



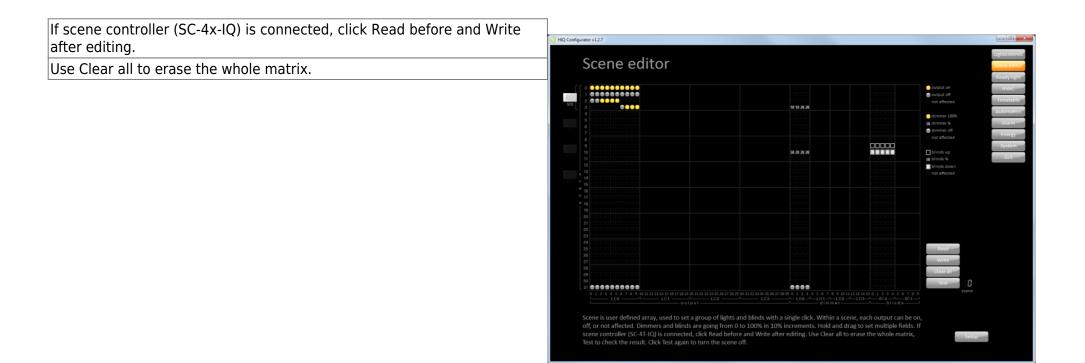
Scene editor

A Scene is a user defined array, used to set a group of lights and blinds to a predefined state. Within a scene, each output can be on, off, or not affected. Dimmer and blinds can be set from 0 to 100% in 10% increments.

Settings

Click on matrix to toggle between allowed options. Hold and drag to set multiple fields.

- http://wiki.hiq-universe.com/



Ready light

Ready Light is a light automation system. Unlike common presence detectors, its design ensures almost perfect operation. The system is based on two sensors, passive infrared (PIR) for presence, and magnetic reed switch for door open/close. System can be used with a single sensor (PIR or reed), but is also limited to common functionality.

Settings

room enable	Enables Ready Light functionality.	
only by night	ly by night Enables operation at low light conditions only.	
light output	t output Set which light will be effected.	
motion sensor Set motion sensor (PIR) input.		
door sensor	Set magnetic (reed) door sensor input.	
short timeout	Set time from closing the door to the moment when lights will turn off.	
long timeout Set time from leaving the room to light off, without closing the door.		
	·	



Ready light is a light automation system based on two sensors: motion (pir) for presence, and magnetic reed switch for door open/dose. Sensor is connected to a spare input of light controller (0..39). When room has daylight, option "only by night" must be on, so lights will turn on only when necessary. Short timeout is time, in seconds, from closing the door to light off, if them is too short, light may turn off after entering the room. Long timeout is time from leaving the room to light off, if the origin the door.

HVAC

Heating/cooling control.

Settings	
on/off Toggle on/off mode. When OFF, secondary setpoint is used. When secondary setpoint is set to 0, output is off.	
setpoint Setpoint for ON mode.	
fan limit	Toggle between preset fan modes.



HVAC setup

Heating/cooling setup.

Settings	
heating/cooling/off	Operation mode and energy source selection.
delay	Actuator delay time in seconds.

- • • ×

Scene oditor Ready light HVAC Timetable Automation Alarm Energy System Exit

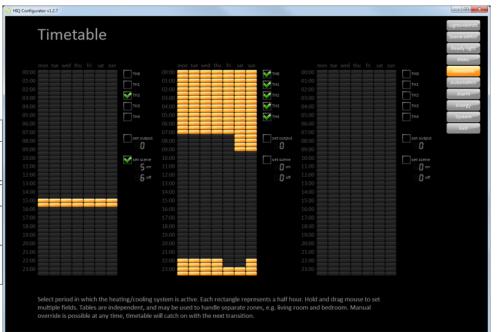
outdoor temperature wall temperature water temperature auxiliary temperature	If installed enable and select which thermostats external temperature sensor is measuring selected temperature.	⊌RQ Configurator v127 HVAC setup	
temperature source	Select thermostat regulation temperature source: internal, external (connected to thermostat) or remote (connected to fan-coil controller).		
display when off	Select what to display when thermostat is off. Available options are nothing, dashes or measured temperature.		
available fan options	Select available fan options: F1 (low speed), F2 (medium speed), F3 (high speed) and MAX (max fan speed for predefined time).		emand enable
write options to thermostat	Write thermostat options to device.	display CO CO <t< td=""><td></td></t<>	
read back	Read thermostat options from device.	Heating or cooling mode is configured by selecting boiler or chiller. Demand enable define thermostats allowed to directly start	
setpoint idle	Idle setpoint, used when thermostat is off. Set to 0 for disabling heating/cooling when thermostat is off.	boller/chile, of teoring index is convergence of participation of control control control control control control control of the control of t	B
setpoint lo limit	Lower limit for user setpoint setting.		
setpoint hi limit	Higher limit for user setpoint setting.		
max time	Timeout for fan max functionality.		
temperature offset	Offset for temperature measurements.		
hysteresis	Hysteresis for thermostat temperature regulation.		
window switch	Enable window switch. When enabled opened window will turn heating/cooling off.		
window switch	Enable window switch. When enabled opened window will turn heating/cooling off.		
output active	Indicates if the output is currently active		

demand enable	Enable heating/cooling demand. When enabled, output on Home controller will be switched on (QX6 for heating and QX5 for cooling.
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Timetable

Timetable defines periods in which the heating/cooling system is active, when output (0-55) and/or scene is active. Tables are independent, and may be used to handle separate zones, e.g. living area or sleeping area. Manual override is possible at any time, timetable will catch on with the next transition.

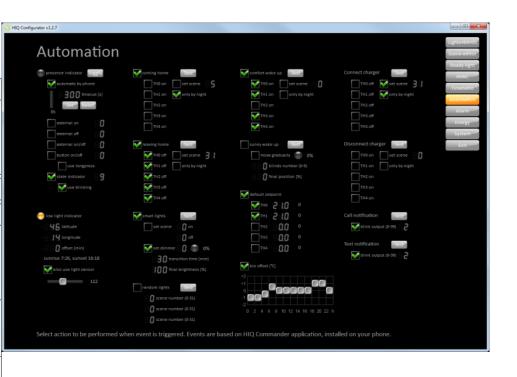
Settings	
matrix	Click to toggle active/idle state. Hold and drag mouse to set multiple fields. Each rectangle represents a half hour.
TH0 TH4	Select which thermostat is affected.
set output	Select and specify which output is activated on idle to active transition and deactivated at active to idle transition.
set scene	Select and specify which scene is activated on idle to active transition (on) and at active to idle transition. (off)



Automation

Events are based on the HIQ Commander application, which must be installed on your phone. Some phones may not support all events.

	Settings
Select tasks and actions to be performed automatically and/or when the event occurs.	
presence indicator	Used for alarm arming and automations.
low light indicator	Indication; Used for various automations.
latitude / longitude	Set geographic location for sunrise / sunset calculation. Can be set automatically from smartphone (if enabled). Also correct time zone must be set in "system \rightarrow setup \rightarrow time zone".
offset	Sunrise/sunset correction given in minutes, positive value moves sunrise later and sunset earlier.
also use light sensor	Use lightness sensor for low light calculation.
threshold	Lightness sensor threshold for day/night calculation.
coming home	Task is triggered when we came home – in connection with presence indicator.
TH0 on TH4 on	Select which thermostat is toggled to ON state.
set scene	Set scene to be activated at coming home task.
only by night	If enabled, scene will be triggered at low light.
leaving home	Task is triggered when we leave – in connection with presence indicator.
TH0 off TH4 off	Select which thermostat is toggled to ON state.
set scene	Set scene to be activated at leaving home task.
only by night	If enabled, scene will be triggered at low light.



smart lights		
set scene (on)	Set scene that will be activated at transition from day to night.	
set scene (of)	Set scene that will be activated at transition from night to day.	
set dimmer	Dimmed light that will activated at night	
transition time	Transition time of selected dimmer light.	
final brightness	Final brightness of selected dimmer light	
random lights	When nobody is at home set random scenes to discourage snooping.	
scene number	Set which scenes will be randomly triggered.	
comfort wake up	Task is triggered at a predefined time before smartphone alarm time (time is set on the smartphone).	
TH0 on TH4 on	Select affected thermostats.	
set scene	Set scene to be activated at comfort wake up task.	
only by night	If enabled, scene will be triggered only at low light.	
sunny wake up	HIQ lifts blind in your bedroom. Task is triggered at a predefined time before smartphone alarm time (time is set on the smartphone).	
move gradually	Selected blind will move gradually.	
blinds number	Set affected blind.	
final position	Final blind position.	
default setpoint	When active, temperature setpoint adjustment is valid for about an hour, then it returns to the predefined, optimal temperature.	
TH0 TH4	Select affected thermostat and set optimal temperature. The remaing time is shown in minutes.	
bio offset	Temperature will follow your natural biological rhythm (chronotype).	

time-plot	Set morning, evening or both temperatures to increase/decrease.
slider	Set temperature increase/decrease.
connect charger	Actions will be triggered when smartphone is connected to a charger.
TH0 off TH4 off	Select which thermostat is affected.
set scene	Set scene to be activated at connecting charger.
only by night	If enabled, scene will be triggered only at low light.
disconnect charger	Actions will be triggered when smartphone is disconnected from a charger.
TH0 on TH4 on	Select which thermostat is affected.
set scene	Set scene to be activated at disconnecting charger.
only by night	If enabled, scene will be triggered only at low light.
call notification	When you receive a call, selected light will turn on and off a couple of times, to get your attention when phone is away or silenced.
Output number	Set affected light output (0-55).
text notification	When you receive a text message, selected light will turn on and off a couple of times, to get your attention when phone is away or silenced.
Output number	Set affected light (0-55).

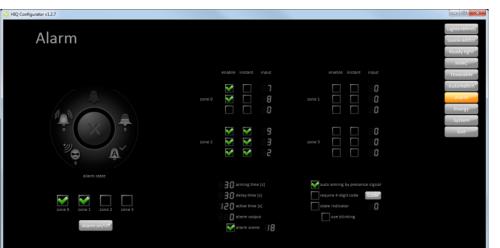
Alarm

Alarm is based on 4 zones, each with up to 3 sensors. Alarm states are:

- **OFF**: protection is off.
- **Arming**: protection is switching on, active timeout for leaving protected area.

- Armed: protection enabled.
- **Activating**: protection is on and movement detected timeout allows to disengage alarm.
- Alarm active: intrusion detected, siren output active.
- **Expired**: delay time expired, siren is turned off (default 120s).

	Control						
zone0 zone3	Select affected zone.						
alarm on/off	Toggle alarm for selected zones. If "require 4-digit code" is enabled we have to enter the code first.						
	Settings						
enable	Enable or disable sensor on selected input.						
instant	If enabled, alarm will be activated instantly, without "Activating" time. Use in places without presence.						
input	Input which triggers the alarm. Motion (PIR) sensors are recommended but any input can be used.						
arming time	Time from activating alarm to "Armed" state.						
delay time	Time from intrusion detected to "alarm active" state.						
active time	"Alarm active" time. When expired the siren will be switched off.						
alarm output	Output for siren or other indicator.						
alarm scene	"Alarm active" scene.						
auto arming by presence signal	Automatic arming by presence signal.						
require 4-digit code	Change 4-digit arming/disarming code. Valid only in HIQ configurator.						
state indicator	Alarm state indicator. Blinks when arming, ON when armed. Outputs 0-39 can be used.						
use blinking	Alarm state indicator blinks when "Arming" is activated and when alarm is deactivated.						



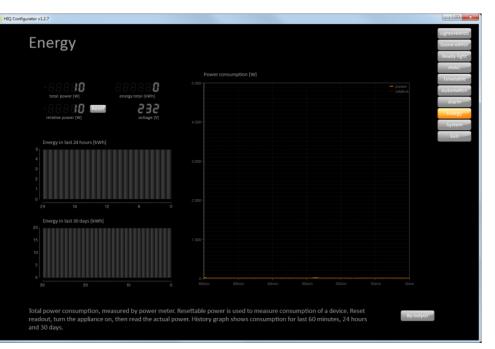
Alarm is based on 4 zones, each with up to 3 sensors. Sensor is configured as number of input where the sensor is connected (0..39). If instant is enabled, alarm is invoked immediately, skipping delay. Arming time is period from turning alarm on to the operative state. Delay time is period from sensor activation to alarm. Active time defines how long alarm output will be active.

Auto arming/disarming is based on HIQ Commander app. When phone connects to home wi-fi, alarm is disabled. If configurator is easily accessable, use 4-digit code to increase security. If code is lost, press and hold on/off button for about a minute. Alarm can also be operated with a long press (cca. 2/s) of a button. Turn on/off may be indicated by flashing a light, or dedicated indicator.

Energy

Energy monitoring is the first step to efficient energy usage. Once knowing how much energy something is using, one can make a rational strategy for saving.

Overview							
total power	Current power.						
energy total	Used energy since energy counter installation (or reset).						
relative power	Toggle between preset fan modes.						
voltage	Current system voltage.						
energy in last 24 hours	Graph of used energy in last 24 hours.						
energy in last 30 days	Graph of used energy in last 30 days.						
Power consumption	Power consumption in last hour. (HIQ Configurator must run.)						
	Settings						
Reset	 Reset energy consumption, to measure the amount of electricity something is using: 1. Turn the output off. 2. Reset relative power. 3. Turn the output on. A few seconds later, measured relative power is displayed. If the reading is not stable, temporary turn off any load which may consume variable amount of power. Measured rating may be used to set the nominal power on 'Energy by output' page. 						



Energy by output

	Overview													
Power count	How many times the output is turned on.	HIQ Configurator v1.2.7												
Working hours	Total number of hours the output spent in on state	Ene	rgy	by	out	put								
Nominal power	Nominal power configured by user.		Power 1 count [n]	Working N hours [h]	Nominal C power [W]	urrent Ener power tod [W] [W	ty Energy iy total h] [kWh]		Power Wo count [[n]	nking Nom hours po [h]	inal Curre wer pow [W] [V	nt Energy er today V] [Wh]	Energy total [kWh]	
Current power	Output power at the current moment.	out 0 out 1			100 500	0 1. 500 7	10 0 18 0							
Energy today	Total energy used from last midnight.	out 2 out 3 out 4			1000 2000 3000	1000 14 2000 25 0 36 0 38	19 1 11 2 10 3							
Energy total	Total energy consumed by the specific output.	out 6 out 7 out 8			150 150 150	0 30 0 28 150 26	27 3 71 3 13 3							
	Configuration	out 9 out 10 out 11												
output	Select the target output with +/- button.	out 12 out 13 out 14						dim 0 dim 1 dim 2	43 39 38		15 15 15	5 49 4 52 10 58		
Set nominal	Set nominal power. It can be measured by resettable power meter or read from the label.	- 0.0115 000116 000117 000117 000119						dim 3 dim 4 dim 5 dim 6 dim 7						Configuration
Reset counter	Power count, working hours and energy total can be reset.													Set nominal Reset counter Toggle output
Toggle output	Toggle selected output.	out 28 out 27 out 28 out 28												

System

System page offers system overview and configuration tools.

Overview

System	Toggle on/off mode. When OFF, secondary setpoint is used. When secondary setpoint is set to 0, output is off.	© HQ Configurator v127 System		Egitasabilines Scene addor
Rx/Tx CAN error counter	 r Setpoint for ON mode. CAN receive (Rx) and transmit (Tx) speed. s Setpoint for ON mode. Errors on receive (Rx) and transmit (Tx) side. 	LC-10-1Q output 0.39 LD-X4-1Q dimmer 0.15 BC-5-1Q blccs 1 a blccs 1 a	CAN traffic monitor Rx 12 mps IAN error counters Rx 0 Tx 0 Power supply	Autodeteet induced addresses for determined address is an addresses for a determined address is a dete
Rx/Tx Power supply	Counter can be reset with "Reset" button. Monitoring of voltage on HIQ modules. The voltage must be between 18 and 26V. If the voltage is lower check contacts and connections.	Office 0.5 The office 0.5 SC-4X-IQ Scatt	Reset counter: 6 System uptime: 3 h Operating hours: 3 h	a signed in order. Other devices are addressed by verial number: The proodure takes a few minutes. Save system settings (scene, ready light, here; tetup, simetakle, automation, here; tetup, simetakle, automation, bevice settings (output times input mode ablings attractional times input mode ablings attractional times input
Reset counter:	Total number of Home controller resets (i.e. power downs).	fam-coll 04 4000 4000 4000 4000 4000 4000 4	device lpaddress ping prog alc run c17324 192.168.1.136 🔮 🔮 🔮 🗳 pc 0.0.0.0 💿 🚭 🚭 🗳	transfer date scan time roundtrip 2016-11-18 12-28:56 9 ms 27 ms 2016-11-28 10-38:54 203 ms -
System uptime:	Time from last system reset.			
Operating hours:	Total operating hours.	Hardware model, firmware version, power supply and marked with a cross, check ethernet connection, check button. If all devices are missing, check 24V power sup	controller run/stop switch, then press Autode	tect
	Configuration	is wrong, press Autoaddress button.		
Autodetect	Press to select your Home controller. If there are many controlles you have to choose appropriate serial number (written on the top of Home controller). manual_detect			
Autoaddress	Used to get all modules in order. Has to be done on system commissioning or on system hardware change. manual_address			
Save config	System settings are saved in HIQ Configurator installation dir, file "Settings.xml"			
Restore config	Uploads setting from "Settings.xml" file in HIQ Configurator installation dir.			

System setup

	Settings	6 HQ Configurator v12.7				
Display brightness	Day/night Brightness of scene controllers and thermostats.	System setup				Lights+ Scene
backlight	Illumination on scene controllers.					HV
Scene link	Selected scene will be transmitted to all Home controllers connected in the same local network.	Display brightness	Scene link	scene	Internet access	Autom Alar Ener
Internet access	Enable /disable internet connection.	by night	scene 4 scene 5 scene 6 scene 7 sce	ene 20 scene 21 scene 22 scene 23	messages: 491/496 roundtrip: 45ms	Exi
authentification	Randomly created code used for registration of Home controller on HIQ Universe.	backlight	scene 8 scene 9 scene 10 scene 11 sce scene 8 scene 9 scene 10 scene 11 sce scene 12 scene 13 scene 14 scene 15 sce	ene 24 scene 25 scene 26 scene 27	authentification <u>Octions</u> code:0 valid:0s	
Real-time clock	Clock is automatically synchronised with your smartphone. Time zone is set in this menu or retrieved from "location information" from your smartphone.	Display brightness by day and by night. Backlight is a weak illumination, used to locate panel in darkness (Sconh). Update button is used when new devices are connected. Real-time clock	Selected scene will be transmitted to a synchronize both ways, also select sce Controllers must be in the same networ allowed.	ene on other controller(s).	Enable to establish internet connection. When disabled, no data is sent out of local network. Authenfliction is used to confirm the ownership when creating a new account.	
		2016 81 28 mon 9 year month date weekday ho	3 9 9 9			

HIQ controllers. It can be used, for example, to turn all the lights off. Internet access is used with mobile application (HIQ Commander), and web server (HIQ Universe). Real-time clock is used for timetable and I light calculation.

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Last update: 2019/09/29 07:41