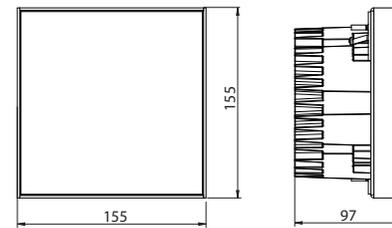
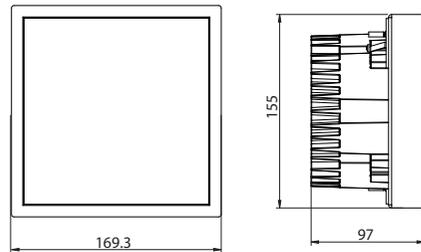


- the fixture is IP67 rated
- the fixture is water- and dust tight
- water should be able to flow of the product once installed
- when installed in solid ground (with or without matchbox) additional drainage must be provided (for example: a bed of gravel)
- make sure the coating (of the housing or other parts) is not damaged during installation or maintenance work: the damage can result in corrosion after contact with water
- the fixture should not be placed in road lanes, it should not be exposed to strain due to braking, acceleration and change of direction
- in order for the product to take pressure load, a proper foundation for the fixture should be provided by the client
- it is recommended to use the fixture in ground with a pH value between 5 and 8
- client should under no circumstances open the fixture themselves, in case of a problem, the fixture needs to be sent back to Kreon

1 precaution

up outdoor

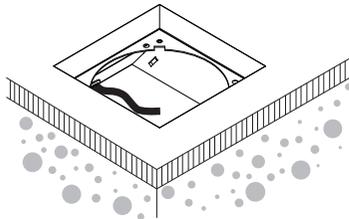
up in-line outdoor



name	reference	voltage/current
up outdoor gear incl.	KR982101/KR982102	230V
up outdoor gear excl.	KR982121/KR982122	700mA
up outdoor wallwasher gear excl.	KR982181/KR982182	700mA
up in-line outdoor gear incl.	KR982301/KR982302	230V
up in-line outdoor gear excl.	KR982321/KR982322	700mA
up in-line outdoor wallwasher gear excl.	KR982821/KR982822	700mA

Please make sure that main voltage is disconnected before proceeding!

2 dimensions

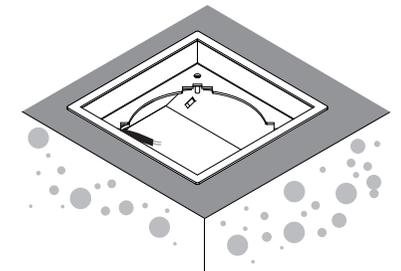
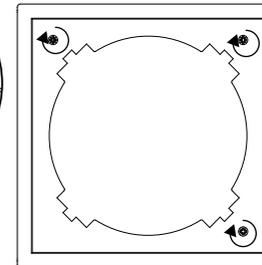
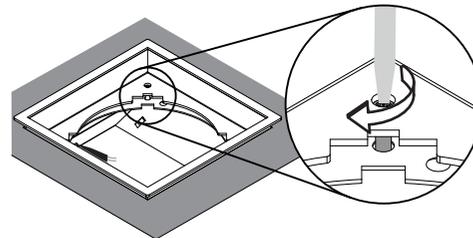
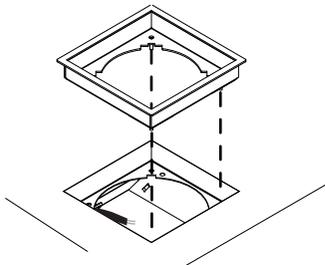


name	reference
matchbox square	KR782103
matchbox square for gear incl	KR782104

3 installation with matchbox

install the matchbox according to installation manual KR8820001883 (delivered with the matchbox)

in case of up outdoor

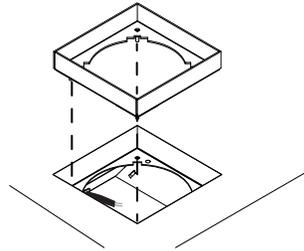


installation with matchbox

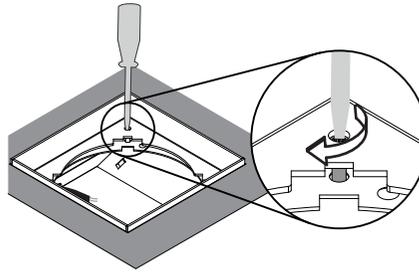
align the 3 screws in the frame with 3 of the holes + nuts in the matchbox

use the 3 screws to adjust to fix the frame onto the matchbox

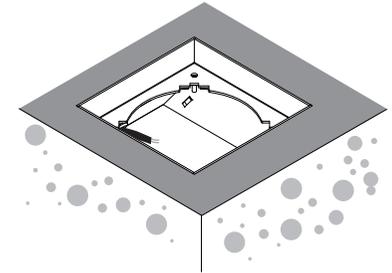
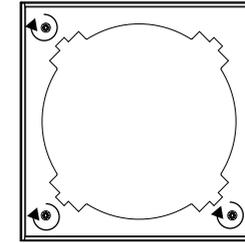
in case of up in-line outdoor



align the 3 screws in the frame with 3 of the holes + nuts in the matchbox

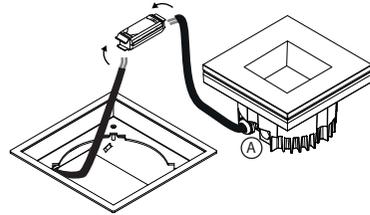


use the 3 screws to adjust the position of the frame, until it is flush with the floor

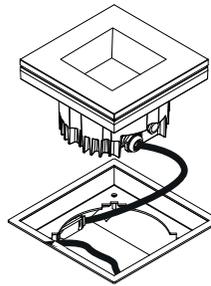


installation with matchbox

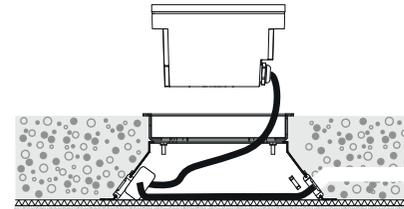
electric connection in case of gear included



make the electrical connection by using the KR782105 coupling sleeve (according to manual) or any suitable connection compartment with required protection class (max. dimensions: 25mm x 30mm x 120mm).



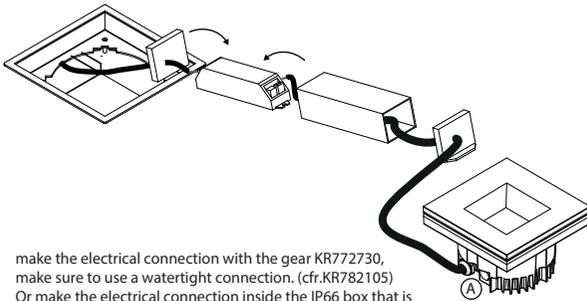
place the coupling sleeve (or connection compartment) in the matchbox, on the opposite side of the cable entrance in the matchbox



name	reference	voltage
up outdoor gear incl.	KR982101/KR982102	230V
up in-line outdoor gear incl.	KR982301/KR982302	230V

installation with matchbox

electric connection in case gear excluded
in combination with matchbox KR782104



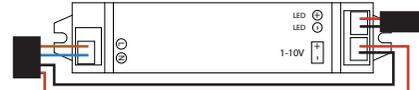
make the electrical connection with the gear KR772730, make sure to use a watertight connection. (cfr. KR782105) Or make the electrical connection inside the IP66 box that is supplied with the gear KR772732, KR772733 (install the gear inside the box according to supplied manual), or any suitable gear in a suitable compartment with the required protection class.

the cable gland (A) must not be opened!

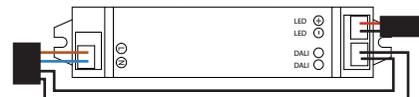
in case of on/off



in case of 1-10V dimmable



in case of dali dimmable (no touch dim!)



name	reference	current
up outdoor gear excl.	KR982121/KR982122	700mA
up in-line outdoor gear excl.	KR982321/KR982322	700mA
up outdoor wallwasher gear excl.	KR982181/KR982182	700mA
up in-line outdoor wallwasher gear excl.	KR982381/KR982382	700mA

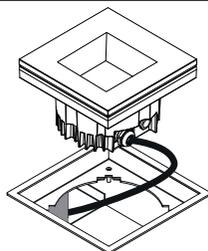
IMPORTANT: check polarity of the LED!!

+ and - at driver side must match
+ and - at LED side

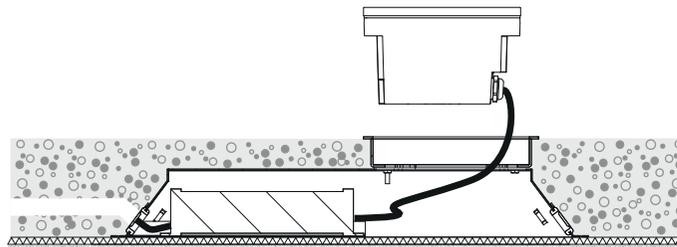
+ = red wire
- = black wire

installation with matchbox

installation with matchbox



place the IP66 box in the cavity of the matchbox



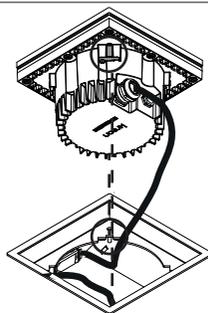
NOTE:

in case the gear is placed on remote and is not included in the matchbox, the installation will be similar to the installation explained under electrical connection of gear included

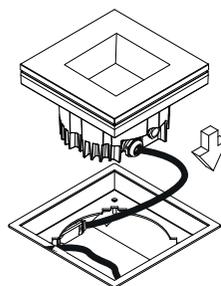
Take into account that in this case the polarity of the LED is important!
+ and - at driver side must match + and - at LED side

+ = red wire
- = black wire

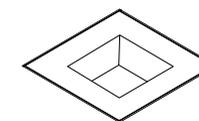
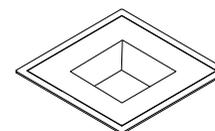
installation with matchbox



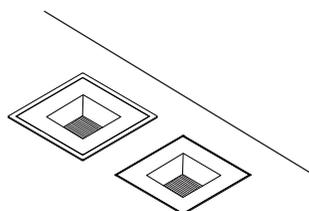
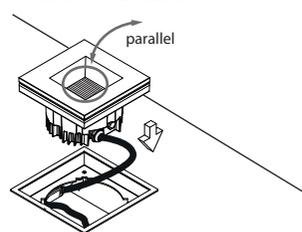
align the two springs on the product with the cut-outs in the frame



install the product by clicking it into the frame



in case of wallwasher



name

up outdoor wallwasher gear excl.

up in-line outdoor wallwasher gear excl.

reference

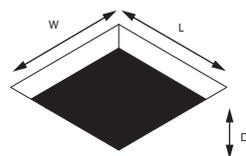
KR982181/KR982182

KR982381/KR982382

installation with matchbox

in case of wallwasher version, the orientation of the product is important. Always make sure that the lines in the wallwasher lens are parallel to the wall that needs to be enlighthed.

dimensions



name

up outdoor gear incl.

up outdoor gear excl.

up outdoor wallwasher gear excl.

up in-line outdoor gear incl.

up in-line outdoor gear excl.

up in-line outdoor wallwasher gear excl.

reference

KR982101/KR982102

KR982121/KR982122

KR982181/KR982182

KR982301/KR982302

KR982321/KR982322

KR982381/KR982382

cut-out WxLxH

156mm(+2/-0mm)x156mm(+2/-0mm)x min.97mm

156mm(+2/-0mm)x156mm(+2/-0mm)x min.97mm

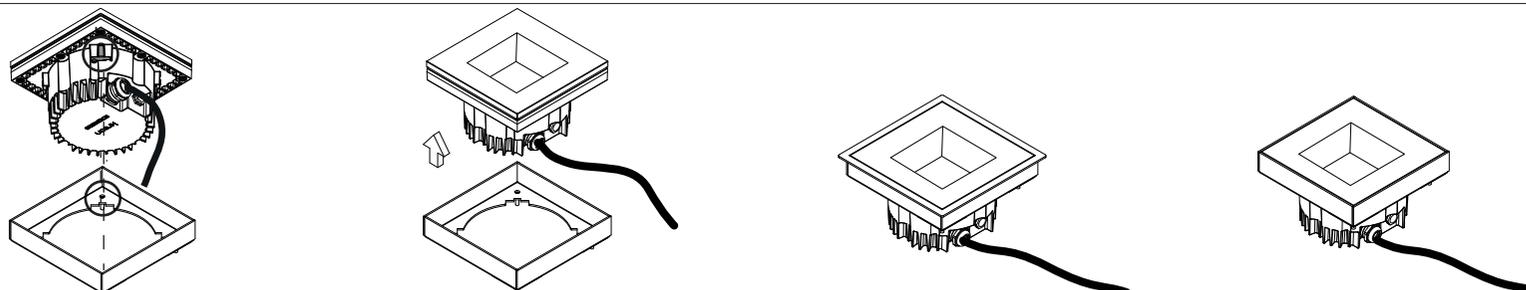
156mm(+2/-0mm)x156mm(+2/-0mm)x min.97mm

156mm(+2/-0mm)x156mm(+2/-0mm)x min.97mm

156mm(+2/-0mm)x156mm(+2/-0mm)x min.97mm

156mm(+2/-0mm)x156mm(+2/-0mm)x min.97mm

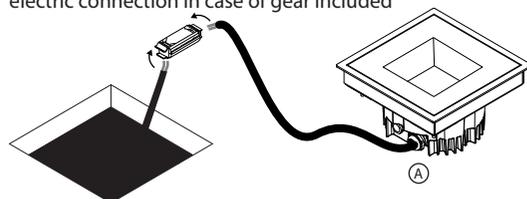
installation in hollow floor



align the two springs on the product with the cut-outs in the frame

click the frame onto the product

electric connection in case of gear included



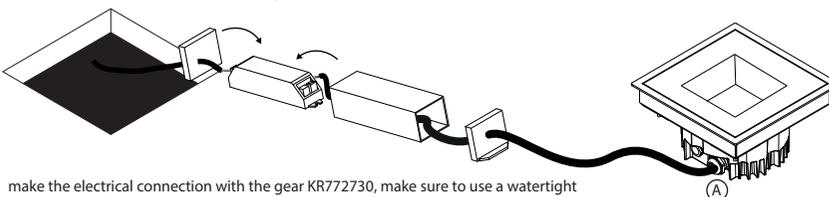
make the electrical connection by using the KR782105 coupling sleeve (according to manual) or any suitable connection compartment with required protection class

the cable gland **A** must not be opened!

name	reference	voltage
up outdoor gear incl.	KR982101/KR982102	230V
up in-line outdoor gear incl.	KR982301/KR982302	230V

installation in hollow floor

electric connection in case of gear excluded



make the electrical connection with the gear KR772730, make sure to use a watertight connection. (cfr. KR782105). Or make the electrical connection inside the IP66 box that is supplied with the gear KR772732, KR772733 (install the gear inside the box according supplied manual), or any suitable gear in a suitable compartment with the required protection class.

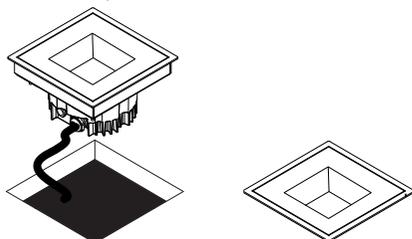
the cable gland **A** must not be opened!

name	reference	current
up outdoor gear excl.	KR982121/KR982122	700mA
up in-line outdoor gear excl.	KR982321/KR982322	700mA
up outdoor wallwasher gear excl.	KR982181/KR982182	700mA
up in-line outdoor wallwasher gear excl.	KR982381/KR982382	700mA

For the correct connection of the different type of gears, see page 2

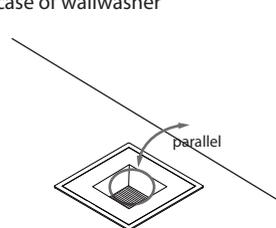
installation in hollow floor

in case of up outdoor



install the product in the cut-out in the floor

in case of wallwasher

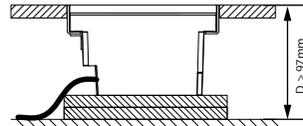
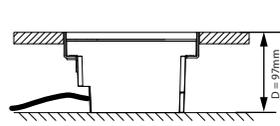


in case of wallwasher version, the orientation of the product is important. Always make sure that the lines in the wallwasher lens are parallel to the wall that needs to be enlighted.

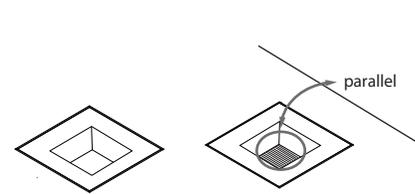
name	reference
up outdoor gear incl.	KR982101/KR982102
up outdoor gear excl.	KR982121/KR982122
up outdoor wallwasher gear excl.	KR982181/KR982182

installation in hollow floor

in case of up in-line outdoor



in case of wallwasher



name

reference

up in-line outdoor gear incl.	KR982301/KR982302
up in-line outdoor gear excl.	KR982321/KR982322
up in-line outdoor wallwasher gear excl.	KR982381/KR982382

installation in hollow floor

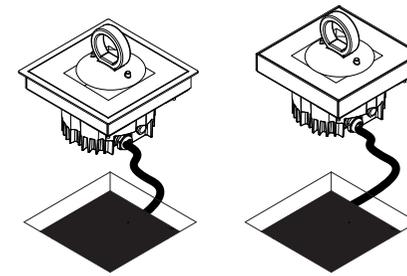
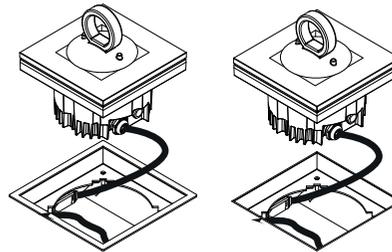
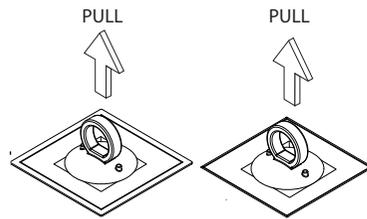
in case the depth is 92mm, install the product in the cut-out of the floor

in case the depth is > 92mm, first fill out the depth until the correct depth of 92mm is reached

in case of wallwasher version, the orientation of the product is important. Always make sure that the lines in the wallwasher lens are parallel to the wall that needs to be enlightened.

in case of up (in-line) outdoor installed with matchbox

in case of up (in-line) outdoor installed in hollow floor



5 removal up outdoor

in order to take the up back out the floor: place the delivered suction cup on the glass and pull the fixture out

when installed in a matchbox, only the product itself without the finishing frame will be pulled out

when installed in a matchbox, the product plus the finishing frame will be pulled out of the cut-out all at once



6 pictures

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revision date: 10/07/2013

Sheet 5/5