

# Kreon

- 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 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

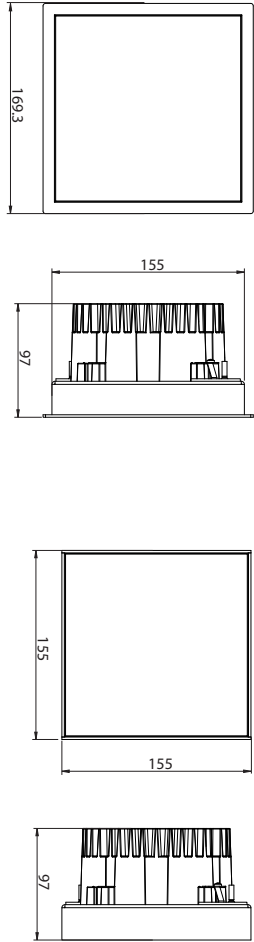
result in corrosion

direction

Kreon

up outdoor

up in-line outdoor

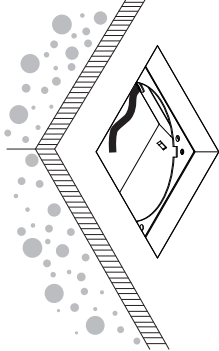


name	reference	voltage/current
up outdoor 8,4W LED	KR982101/KR982102	230V
up outdoor 18,5W LED	KR982121/KR982122	26,5V/700mA
up outdoor 18,5W LED, wallwasher	KR982181/KR982182	26,5V/700mA
up in-line outdoor 8,4W LED	KR982301/KR982302	230V
up in-line outdoor 18,5W LED	KR982321/KR982322	26,5V/700mA
up in-line outdoor 18,5W LED, wallwasher	KR982821/KR982822	26,5V/700mA

Please make sure that main voltage is disconnected before proceeding!



2 dimensions

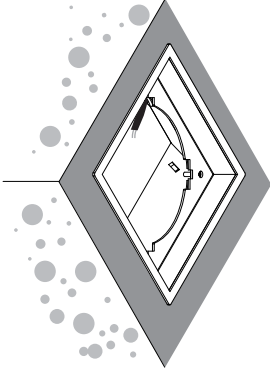
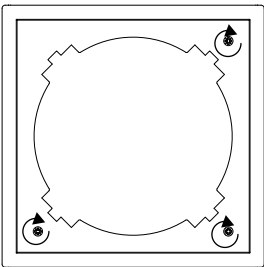
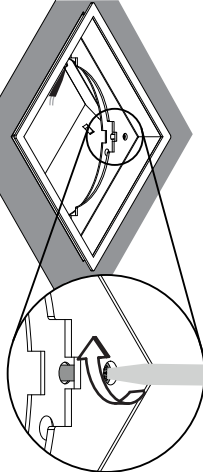
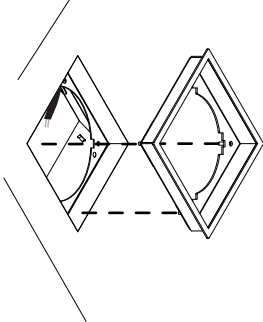


install the matchbox according to installation manual KR8820001833 (delivered with the matchbox)

name	reference
matchbox square	KR782103
matchbox square for gear incl	KR782104

3 installation with matchbox

in case of up outdoor

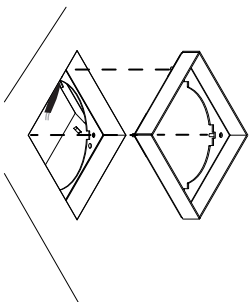


installation with matchbox

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

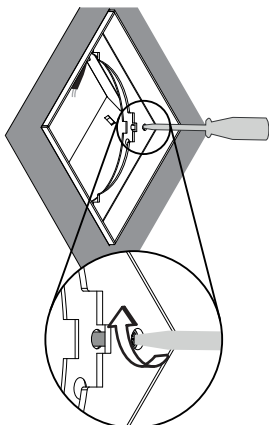
use the 3 screws to adjust to fix the frame onto the matchbox

in case of up in-line outdoor

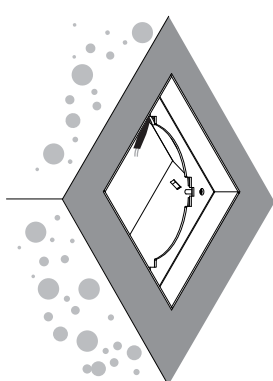
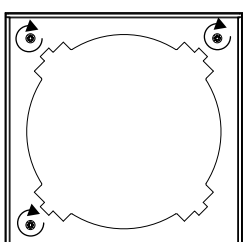


installation with matchbox

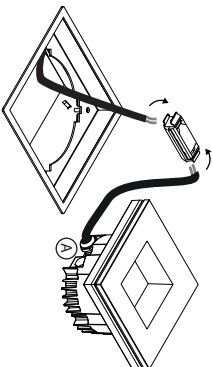
align the 3 screws in the frame with 3 of the holes + nuts in the matchbox



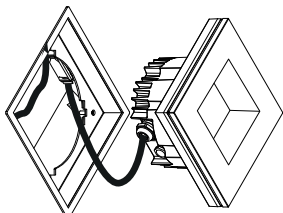
use the 3 screws to adjust the position of the frame, until it is flush with the floor



electric connection in case of 8,4W LED

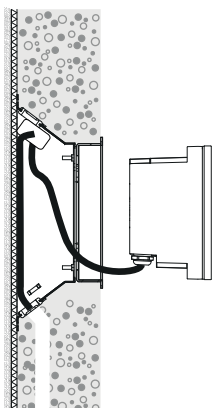


make the electrical connection by using the KR782105 coupling sleeve (according to manual) or any suitable connection compartment with required protection class (max. dimensions: 25mm x 30mm x 120mm).



the cable gland must not be opened!

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

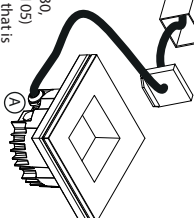
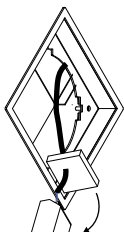


name	reference	voltage
up outdoor 8,4W LED	KR982101/KR982102	230V
up in-line outdoor 8,4W LED	KR982301/KR982302	230V

installation with matchbox

electric connection in case of 18,5W LED

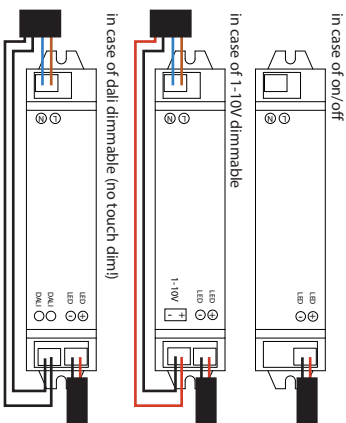
in combination with matchbox KR782104



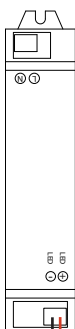
make the electrical connection with the gear KR772230, make sure to use a watertight connection. (cf. KR782105) Or make the electrical connection inside the IP66 box that is supplied with the gear KR772232, KR772233 (install the gear inside the box according supplied manual), or any suitable gear in a suitable compartment with the required protection class.

installation with matchbox

the cable gland must not be opened!



in case of on/off



in case of 1-10V dimmable

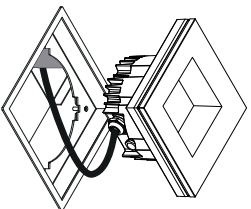


in case of dail dimmable (no touch dim)

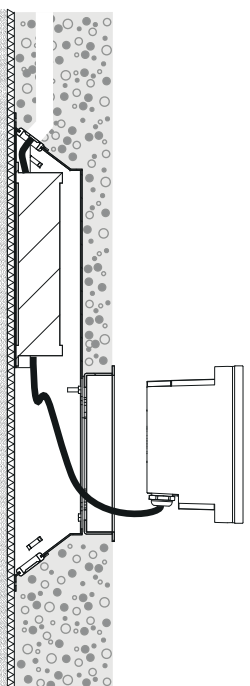


IMPORTANT : check polarity of the LED!  
+ and - at driver side must match  
+ and - at LED side  
+ = red wire  
- = black wire

**kreon**



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 8,4W LED

Take into account that in this case the polarity of the LED is important!

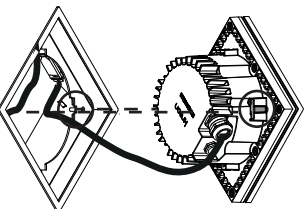
+ and - at driver side must match + and - at LED side

1. **STUDY OBJECTIVES:** The purpose of this study was to determine the prevalence of *Salmonella* spp. in the feces of dairy cattle and to identify the serotypes and phage types of the isolates.

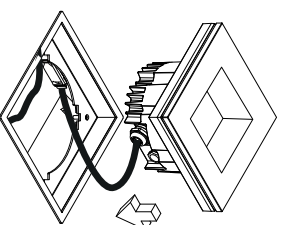
+ = red wire

- = black wire

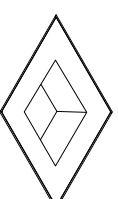
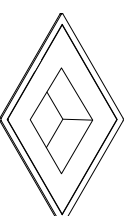
installation with  
matchbox



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

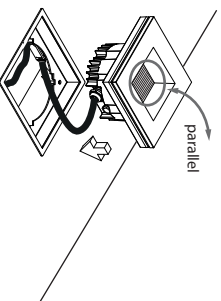


install the product by clicking it into the frame

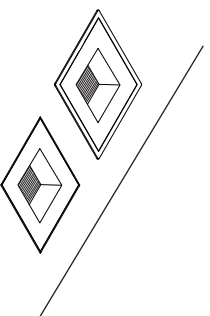


installation with  
matchbox

in case of wallwasher



parallel



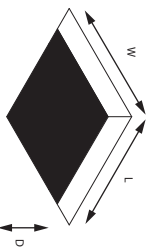
installation with  
matchbox

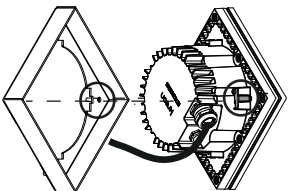
in case of wallwasher version, the orientation of the product is important. Always make sure that the lines in the wallwasher lens are parallel to the wall that needs to be enlightened.

dimensions

name	reference	cut-out WxLxH
up outdoor 8,4W LED	KR982101/KR982102	156mm(+2,-0mm)x156mm(+2,-0mm)x min.97mm
up outdoor 18,5W LED	KR982121/KR982122	156mm(+2,-0mm)x156mm(+2,-0mm)x min.97mm
up outdoor 18,5 W LED ,wallwasher	KR982181/KR982182	156mm(+2,-0mm)x156mm(+2,-0mm)x min.97mm
up in-line outdoor 8,4W LED	KR982301/KR982302	156mm(+2,-0mm)x156mm(+2,-0mm)x min.97mm
up in-line outdoor 18,5W LED	KR982321/KR982322	156mm(+2,-0mm)x156mm(+2,-0mm)x min.97mm
up in-line outdoor 18,5W LED ,wallwasher	KR982381/KR982382	156mm(+2,-0mm)x156mm(+2,-0mm)x min.97mm

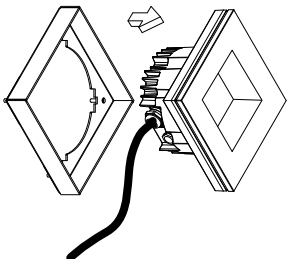
5 | hollow floor installation in



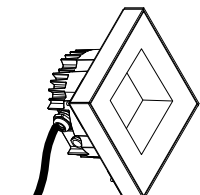
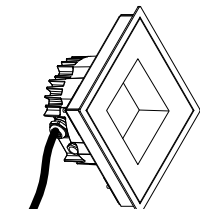


installation in hollow floor

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

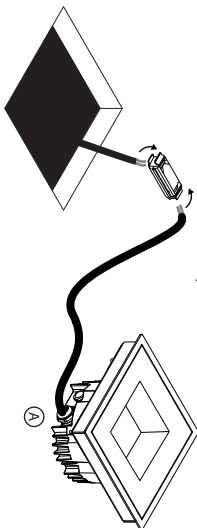


click the frame onto the product



electric connection in case of 8,4W LED

name	reference	voltage
up outdoor 8,4W LED	KR982101/KR982102	230V
up in-line outdoor 8,4W LED	KR982301/KR982302	230V

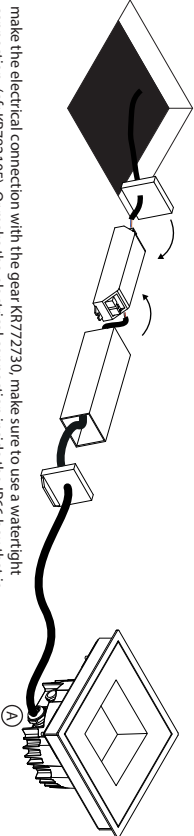


make the electrical connection by using the KR782105 coupling sleeve (according to manual) or any suitable connection compartment with required protection class

the cable gland (A) must not be opened!

installation in hollow floor

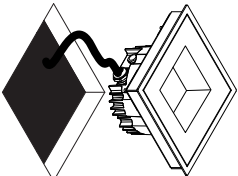
electric connection in case of 18,5W LED



make the electrical connection with the gear KR77230, make sure to use a watertight connection. (cfr. KR782105). Or make the electrical connection inside the IP66 Box that is supplied with the gear KR77232, KR77233 (install the gear inside the box according supplied manual), or any suitable gear in a suitable compartment with the required protection class.

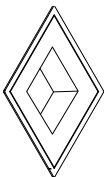
installation in hollow floor

in case of up outdoor

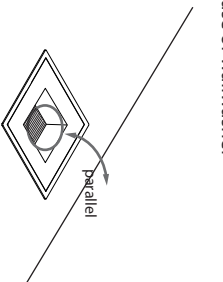


installation in hollow floor

install the product in the cut-out in the floor



in case of wallwasher

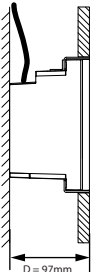
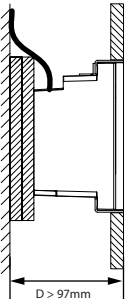

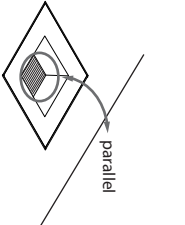
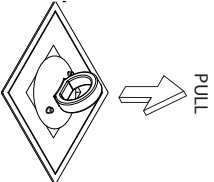
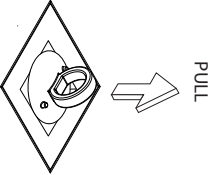
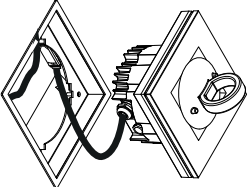





in case of wallwasher version, the orientation of the product is important. Always make sure that the lines in the wallwasher lens are parallel to the wall that needs to be enlightened.

name	reference
up outdoor 8,4W LED	KR982101/KR982102
up outdoor 18,5W LED	KR982121/KR982122
up outdoor 18,5W LED, wallwasher	KR982181/KR982182

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

name	reference	current
up outdoor 18,5W LED	KR982121/KR982122	700mA
up in-line outdoor 18,5W LED	KR982321/KR982322	700mA
up outdoor 18,5W LED, wallwasher	KR982181/KR982182	700mA
up in-line outdoor 18,5W LED, wallwasher	KR982381/KR982382	700mA

		name		reference	
in case of up in-line outdoor		up in-line outdoor 8,4W LED		KR982301/KR982302	
		up in-line outdoor 18,5W LED		KR982321/KR982322	
		up in-line outdoor 18,5W LED, wallwasher		KR982381/KR982382	
					
in case of wallwasher				parallel	
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.	
installation in hollow floor		in case of up (in-line) outdoor installed with matchbox		in case of up (in-line) outdoor installed in hollow floor	
					
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	
					
pictures		up in-line outdoor 8,4W LED		up in-line outdoor 18,5W LED	
kreon nv		Industrieweg Noord 1152		www.kreon.com	
		B 3660 Opglabbeek		mailto:mailbox@kreon.be	
		Belgium		KR8820001833	
		Tel +32 89 81 97 80		revision date: 10/07/2013	
		Fax + 32 89 81 97 90		Sheet 5/5	