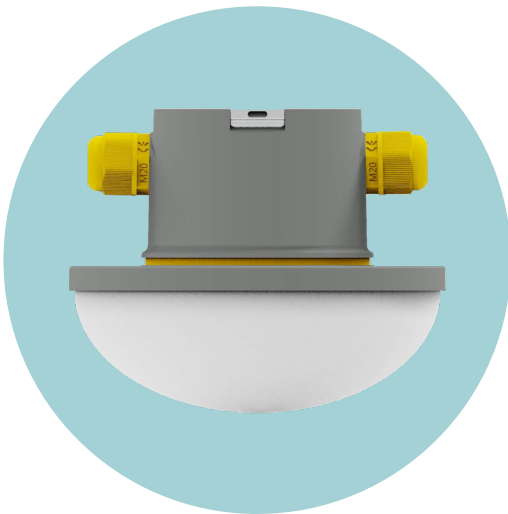


CORAX

The CORAX: as confirmed by many users worldwide, the CORAX is the standard for today's poultry lighting applications. It is a main lighting solution that can be applied in almost every type of poultry house.



Specifications

Operating voltage:	48VDC
Dimmer type:	HATO 48VDC power supply
Dim range:	0 - 100%
Light source:	LED
Flicker-free:	yes
Expected average lifetime white LEDs:	50,000h
Operating temp.:	-10°C (14°F) < Ta < +40°C (104°F)
Nett weight:	260 gr / 0.57 lbs
Cover:	Impact resistant PMMA
Base:	ABS
Warranty:	3 Years
Application:	Poultry

Type	Power Consumption	Light output	Efficacy	Light colour (CCT)	CRI	 Made in
CORAX	8.7W	1050lm	121lm/W	3000K	> 80	yes NL***
CORAX CW	8.7W	1110lm	128lm/W	4500K	> 80	yes China****
CORAX DDS*	warm white: 9.7W** cold white: 9.7W**	warm white: 1050lm cold white: 1110lm	warm white: 108lm/W cold white: 114lm/W	warm white: 2500K cold white: 6700K	> 80	yes China****
CORAX XL	15.4W	1750lm	112lm/W	3000K	> 80	yes NL***
CORAX XL CW	15.4W	1850lm	120 lm/W	4500K	> 80	yes China****

* Limit max. output power of DDS with combined colours to 14W.

** Includes UV-A LED

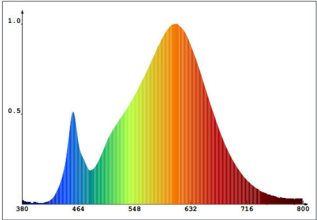
*** The corresponding documents CVO and EUR1 are available on request

****Made in NL also available on request.

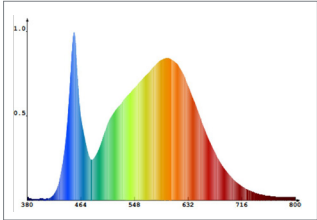
CORAX

Colour options	Power consumption	Light output	Efficacy	Dominant wavelength
Blue	3W 6W	40lm 80lm	13.3lm/W	463nm
Green	3W 6W	212.2lm 424.4lm	70.7lm/W	528nm
Red	3W 6W	163.5lm 327lm	54.5lm/W	620nm

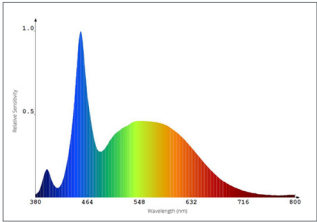
Spectrum



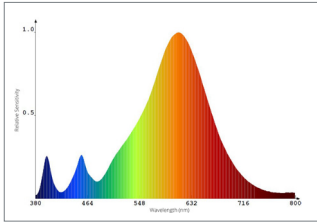
CORAX



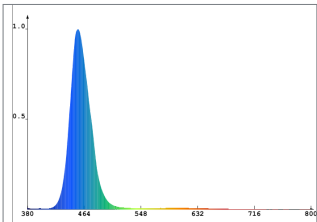
CORAX - coldwhite



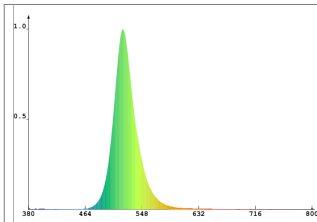
CORAX DDS - coldwhite



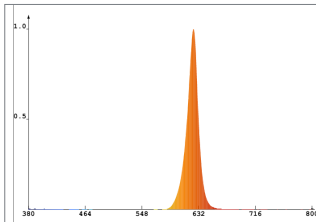
CORAX DDS - warmwhite



Blue

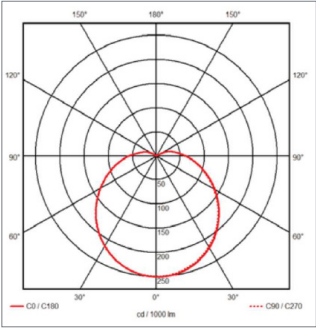


Green



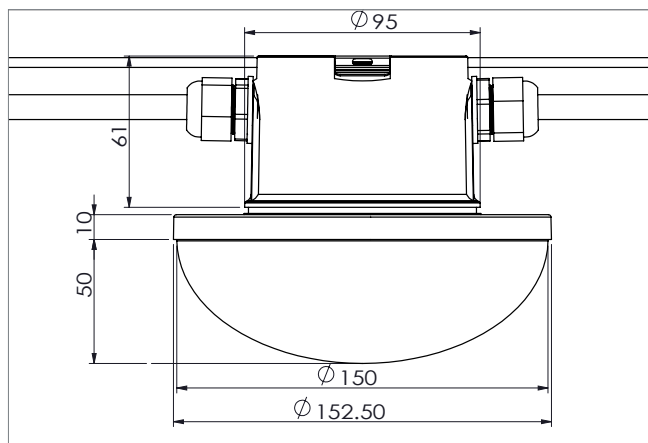
Red

Light spread



CORAX

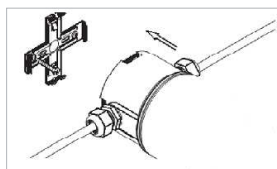
Dimensions



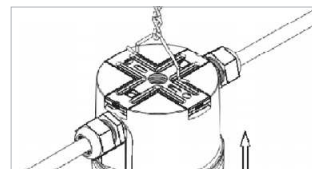
Accessories incl.

Clip + triangle for pendant mounting:

Maximum diameter of steel cable is 3.5 mm / 0.14 inch



Pendant mounting



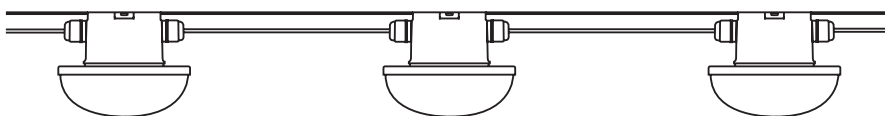
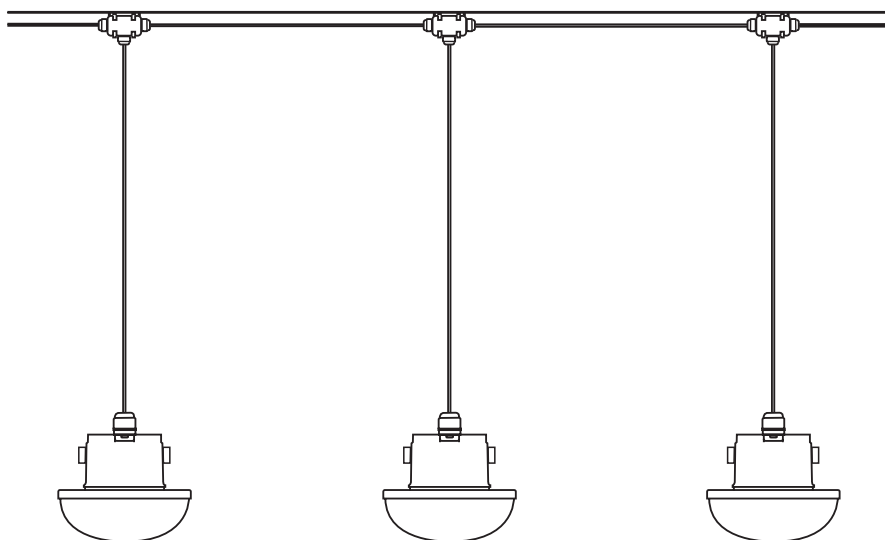
Cable mounting

Pre-wiring

Pre-wiring is possible for CORAX installations. This means we connect all the cables exactly as defined in the light plan. The only thing you have to do is hang the lamps at the right place and connect them to the power supply.

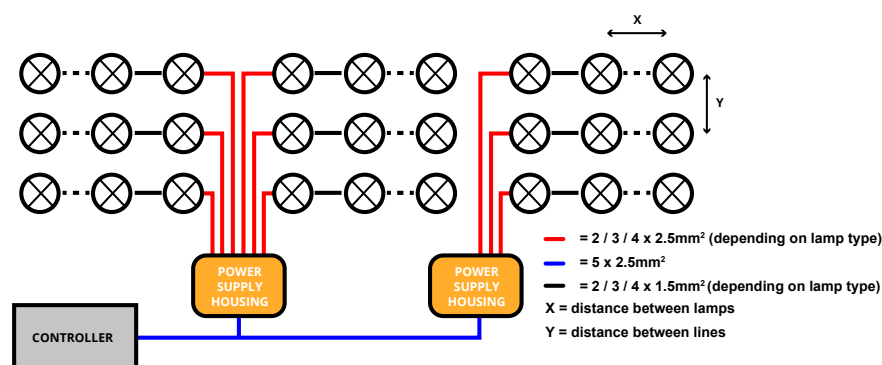


[Click here for more information](#)



CORAX

Installation example



Distance between CORAX / CW / DDS	Total CORAX in one line with 1.5 mm ² (16 AWG) cable between CORAX (max light drop 20%)	Total CORAX in one line with 2.5 mm ² (14 AWG) cable between CORAX (max light drop 20%)	4 mm ² cable (12 AWG) Max length connection cable	2.5 mm ² cable (14 AWG) Max length connection cable
3m / 9.8ft	19	23	39m / 128ft	24m / 78.1ft
3.5m / 11.5ft	17	22	42m / 137.8ft	26m / 85.3ft
4m / 13.1ft	16	20	44m / 144.4ft	28m / 91.9ft
4.5m / 14.8ft	16	19	47m / 154.2ft	30m / 98.4ft
5m / 16.4ft	15	19	50m / 164ft	26m / 85.3ft

(1) Warning: check number of CORAX in line to guarantee correct usage of fuses:

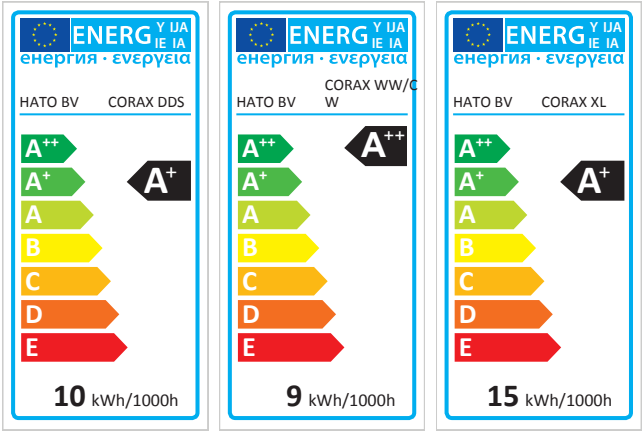
» 188 mA per lamp, standard 4A fuse (5x20mm/5x25/5x30mm) » In case of more than 21 pcs per line, 6A fuse 5x20mm/5x25/5x30mm min. 60VDC is needed.

Distance between CORAX XL (CW)	Total CORAX XL (CW) in one line with 1.5 mm ² (16 AWG) cable between CORAX XL (CW) (max light drop 20%)	Total CORAX XL (CW) in one line with 2.5 mm ² (14 AWG) cable between CORAX XL (CW) (max light drop 20%)	4 mm ² cable (12 AWG) Max length connection cable	2.5 mm ² cable (14 AWG) Max length connection cable
3m / 9.8ft	14(1)	17(1)	30m / 98.4ft	18m / 59ft
3.5m / 11.5ft	13(1)	16(1)	32m / 105ft	20m / 65.6ft
4m / 13.1ft	12	15(1)	35m / 114.8ft	21m / 68.9ft
4.5m / 14.8ft	11	14(1)	37m / 121.4ft	22m / 72.2ft
5m / 16.4ft	11	14(1)	38m / 124.7ft	23m / 75.5ft

(1) Warning: check number of CORAX XL (CW) in line to guarantee correct usage of fuses:

» 320 mA per lamp, standard 4A fuse (5x20mm/5x25/5x30mm) » In case of more than 12 pcs per line, 6A fuse 5x20mm/5x25/5x30mm min. 60VDC is needed.

CORAX



Specifications are subject to change without prior notice
* Lifetime definition & measurement available upon request

Markings



** Protection test against penetration of water IPX7
(protected against the effect of immersion between 15cm and 1m)