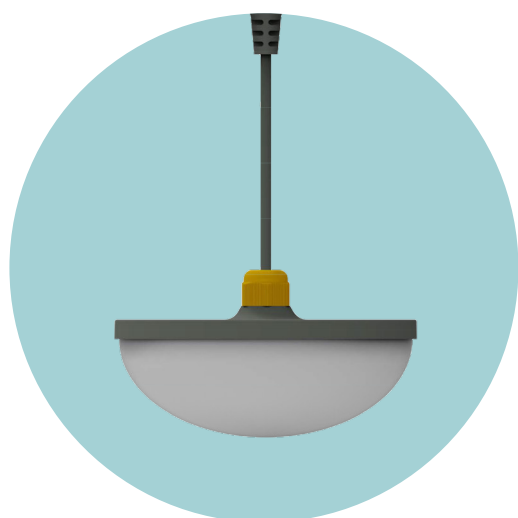


PULSA

The PULSA: our well-known CORAX in a plug & play version; it won't get any better! The PULSA is a main lighting solution that can be applied in almost every type of poultry house. PULSA: a responsible investment for the long term.



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:	Broiler, breeder (XL)

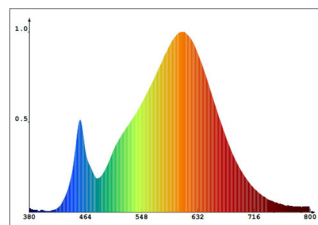
Type	Power Consumption	Light output	Efficacy	CCT	CRI
PULSA	8.7W	1050lm	121lm/W	3000K	> 80
PULSA CW	8.7W	1110lm	128lm/W	4500K	> 80
PULSA DDS*	warm white: 9.7W cold white: 9.7W UV-A: 1W	warm white: 1050lm cold white: 1110lm	warm white: 108lm/W cold white: 114lm/W	warm white: 2500K cold white: 6700K	> 80
PULSA XL	15.4W	1750lm	112lm/W	3000K	> 80
PULSA XL CW	15.4W	1850lm	120 lm/W	4500K	> 80

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

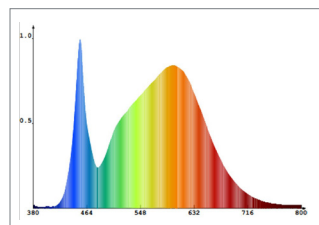
PULSA

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

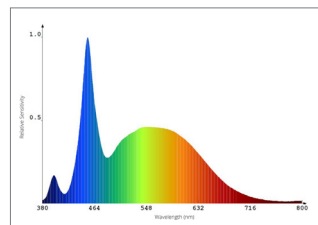
Specifications



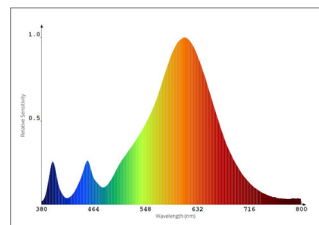
PULSA



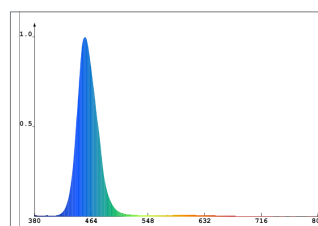
PULSA - coldwhite



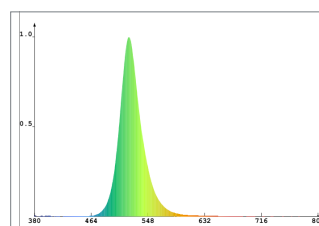
PULSA DDS - coldwhite



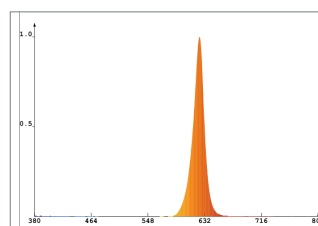
PULSA DDS - warmwhite



Blue

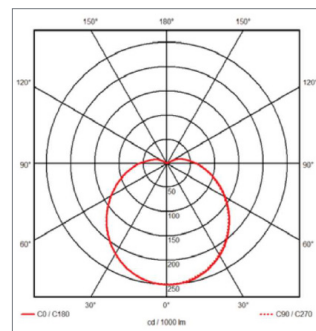


Green



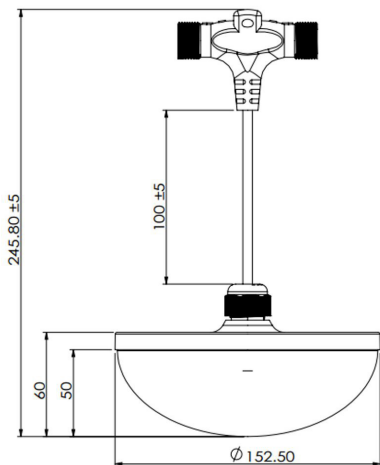
Red

Light spread

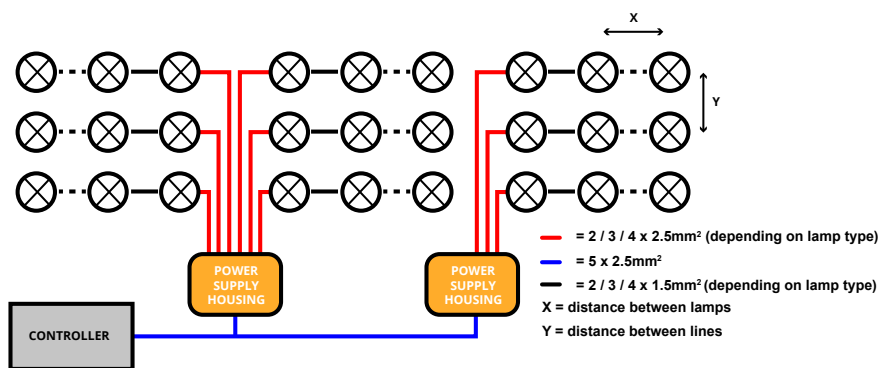


PULSA

Dimensions



Installation example



Distance between PULSA / CW / DDS	Total PULSA in one line with 1.5 mm2 (16 AWG) cable between PULSA (max light drop 20%)	Total PULSA in one line with 2.5 mm2 (14 AWG) cable between PULSA (max light drop 20%)	4 mm2 cable (12 AWG) Max length connection cable	2.5 mm2 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 PULSA in line to guarantee correct usage of fuses:

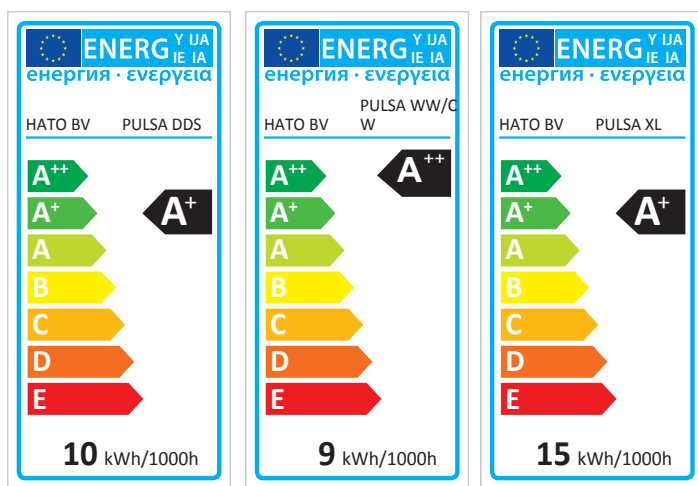
» 188 mA per lamp, standard 4A fuse (5x20mm/5x25/5x30mm) » In case of more than 21 pcs per line, 6A fuse 5x20mm/5x25/5x30mm min. 60VDC is needed.

PULSA

Distance between PULSA XL (CW)	Total PULSA XL (CW) in one line with 1.5 mm ² (16 AWG) cable between PULSA XL (CW) (max light drop 20%)	Total PULSA XL (CW) in one line with 2.5 mm ² (14 AWG) cable between PULSA 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 PULSA XL (CW) in line to guarantee correct usage of fuses:

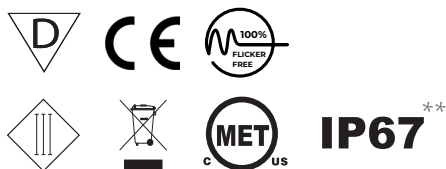
» 320 mA per lamp, standard 4A fuse (5x20mm/5x25/5x30mm) » In case of more than 12 pcs per line, 6A fuse 5x20mm/5x25/5x30mm min. 60VDC is needed.



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)