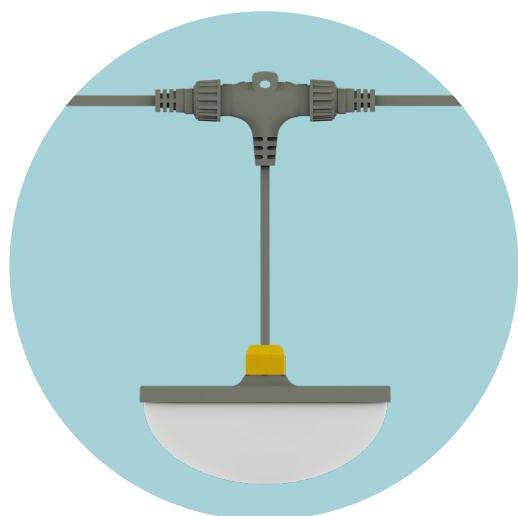


# PULSA

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	Energy class
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	

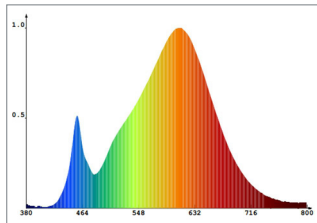
\*Limit power to max 15W when mixing colours

# PULSA

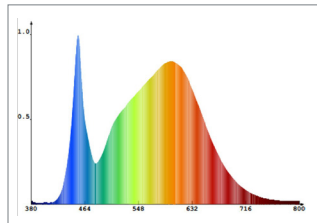
Colour options	Power consumption	Light output	Efficacy	Dominant wavelength
Blue	3W 6W	40lm 80lm	13.3lm/W	463nm
Red	3W 6W	163.5lm 327lm	54.5lm/W	620nm

## Spectrum

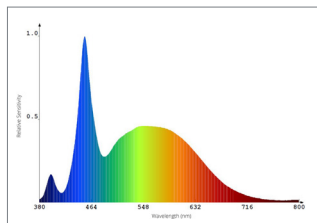
Measured with the HATO ONE spectrum meter



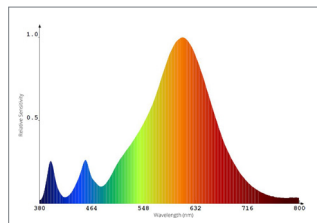
PULSA



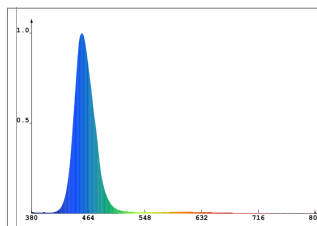
PULSA - coldwhite



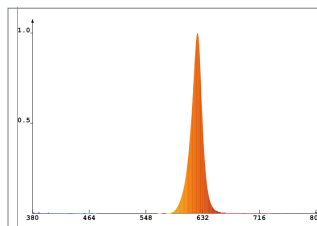
PULSA DDS - coldwhite



PULSA DDS - warmwhite

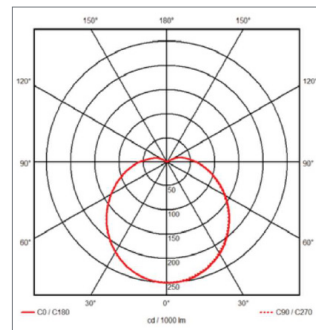


Blue



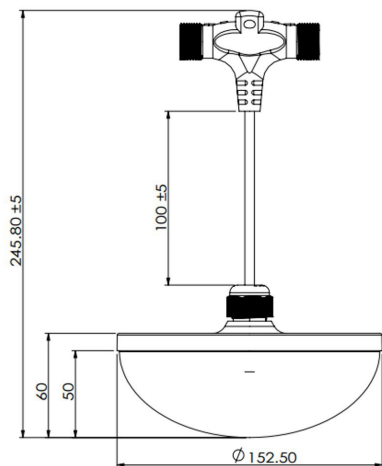
Red

## Light spread

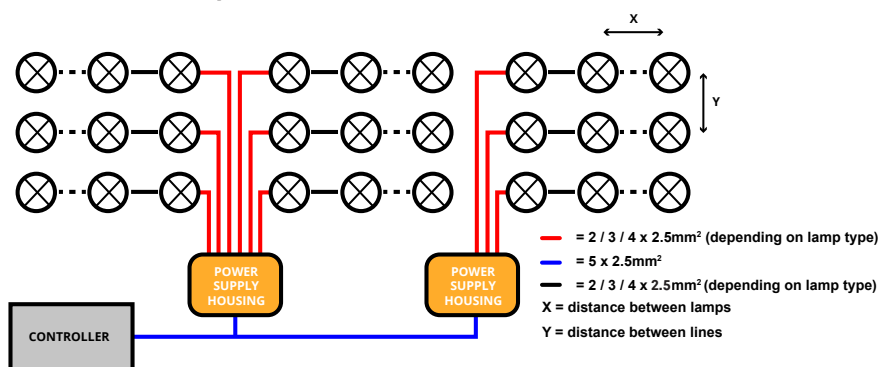


# PULSA

## Dimensions



## Installation example



Installation according to IEC/CE with T3.15A fuse in HATO PACK

### Maximum lamps in one line with 2x2.5mm<sup>2</sup> (14AWG) cable

Distance between lamps	PULSA-W8.7	PULSA-DDS	PULSA-XL
	PULSA-x-W8.7-y		PULSA-XL-x
3m / 9.8ft	19	17	10
3.5m / 11.5ft	19	17	10
4m / 13.1ft	20	17	10
4.5m / 14.8ft	20	18	11
5m / 16.4ft	19	18	11

# PULSA

Cable thickness	Max length connection cable
2x 2.5mm <sup>2</sup> (14AWG)	22m / 71ft
2x4mm <sup>2</sup> (12AWG)	35m / 113ft
4x 2.5mm <sup>2</sup> (14AWG)	69m / 225ft

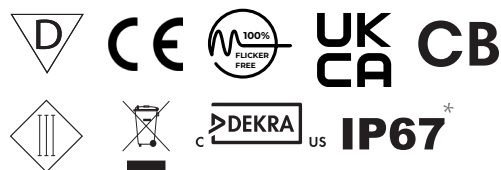
Installation according to UL/CSA with F1.6A fuse in HATO PACK

### Maximum lamps in one line with 2x2.5mm<sup>2</sup> (14AWG) cable

Distance between lamps	PULSA-W8.7 PULSA-x-W8.7-y	PULSA-DDS	PULSA-XL PULSA-XL-x
3m / 9.8ft	9	8	5
3.5m / 11.5ft	9	8	5
4m / 13.1ft	9	8	5
4.5m / 14.8ft	9	8	5
5m / 16.4ft	9	8	5

Cable thickness	Max length connection cable
2x 2.5mm <sup>2</sup> (14AWG)	43m / 139ft
2x4mm <sup>2</sup> (12AWG)	68m / 222ft
4x 2.5mm <sup>2</sup> (14AWG)	135m / 443ft

### Markings



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

In case of discrepancy, the English version shall prevail