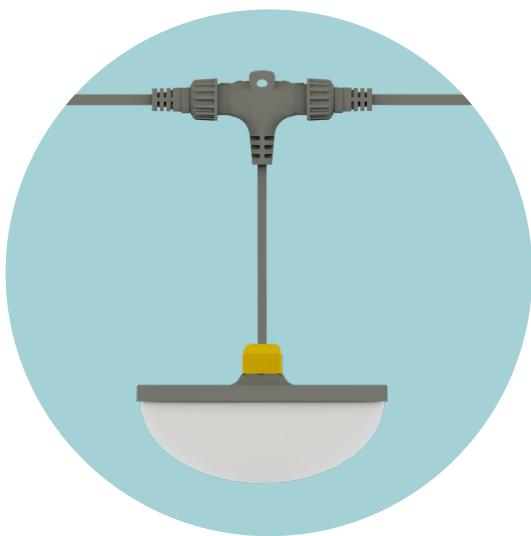


PULSA

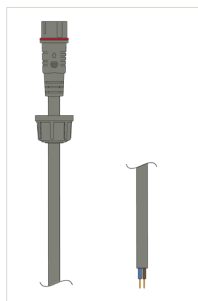
PULSA is designed to improve the performance and well-being of your flock. Its flicker-free light with an optimized spectrum and uniform distribution create a calm, natural environment where birds feel comfortable. That results in less stress, better eating, and steady growth. With its simple plug-and-play installation, you save time and effort while giving your flock the best start for a healthy, productive life.



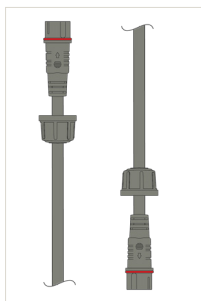
Specifications

Operating voltage:	48VDC
Light source:	LED
Dimmer type:	HATO 48VDC power supply
Flicker-free:	Yes
Dim range:	0 - 100%
CRI:	>80
Expected average lifetime:	50,000h (L90B10)
Operating temperature:	-10°C (14°F) <Ta< +40°C (104°F)
Storage temperature:	-25°C (-13°F) <Ta< +80°C (176°F)
Net weight	375 gr / 0.83 lbs
Base material:	ABS
Cover/tube material:	PMMA
IP rating:	IP 67
Warranty:	8 Years*
Application:	Poultry
Made in:	China

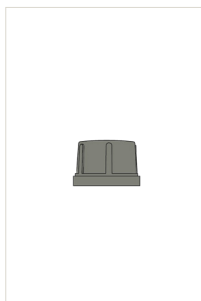
Accessories



Connection cable



Extension cable


























End cap
3001

* Ask your sales representative for the product specific warranty terms and conditions.



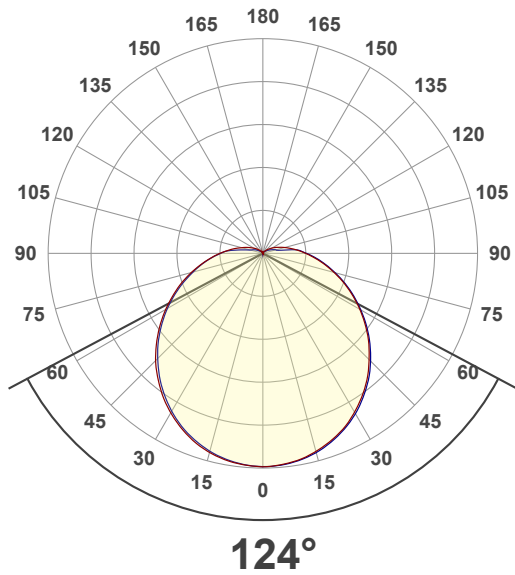
PULSA

	Article code:	Color combination	Power consumption:	Light output:	Efficacy:	Light colour:	Energy label
3000K	7820		7.6W	1050lm	138lm/w	3000K	
	7965	 / 	7.6W 3W (Blue)	1050lm	138lm/w	3000K	
	7967	 	7.6W 6W (Red)	1050lm	138lm/w	3000K	
	7821		13.0W (XL)	1750lm	135lm/w	3000K	
	7865	 / 	13.0W (XL) 3W (Blue)	1750lm	135lm/w	3000K	
5000K	7818		7.6W	1050lm	138lm/w	5000K	
	7944	 / 	7.6W 3W (Blue)	1050lm	138lm/w	5000K	
	7819		14.2W (XL)	2000lm	141lm/w	5000K	
	7966	 / 	14.2W (XL) 3W (Blue)	2000lm	141lm/w	5000K	

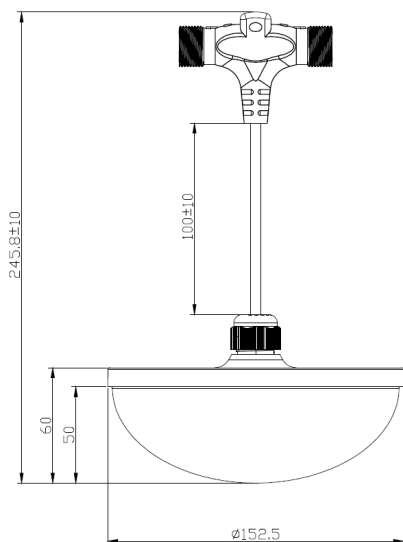


PULSA

Light spread



Dimensions



Packaging information

Box size (LxHxW): 60.5x40.5x40cm

Number of units per box: 24

Neto weight of box: 9kg



PULSA

IEC/CE

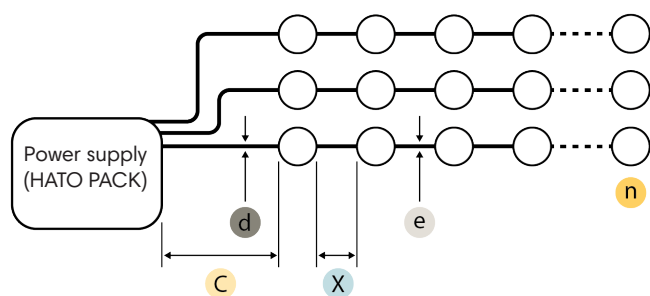
Installation details calculated with 6A HATO smart fuse (IEC/CE)

	Cable between lamps e	Fuse outputs used	Distance between lamps X					Max length connection cable [m/ft]	Cable thickness d	
			3m / 9.8ft	3.5m / 11.5ft	4m / 13.1ft	4.5m / 14.8ft	5m / 16.4ft		14AWG	12AWG
3000K 5000K	2x 14AWG	1	21	20	18	17	17	18 m 58 ft	28 m 92 ft	
3000K (XL) 5000K (XL)	2x 14AWG	1	15	14	13	13	12	14 m 45 ft	22 m 72 ft	
3000K + RED	3x 14AWG	2x1	21	20	18	17	17	18 m 58 ft	28 m 92 ft	

Installation details calculated with HATO T3.15A fuse (IEC/CE)

	Cable between lamps e	Fuse outputs used	Distance between lamps X					Max length connection cable [m/ft]	Cable thickness d	
			3m / 9.8ft	3.5m / 11.5ft	4m / 13.1ft	4.5m / 14.8ft	5m / 16.4ft		14AWG	12AWG
3000K/Blue 5000K/Blue	2x 14AWG	2	21	20	18	17	17	19m 61ft	30m 97ft	
3000K/Blue (XL) 5000K/Blue (XL)	2x 14AWG	2	12	12	13	13	12	19m 61ft	30m 97ft	

Installation example



- Lamp's line
- Lamps



PULSA

UL/CSA (North America)

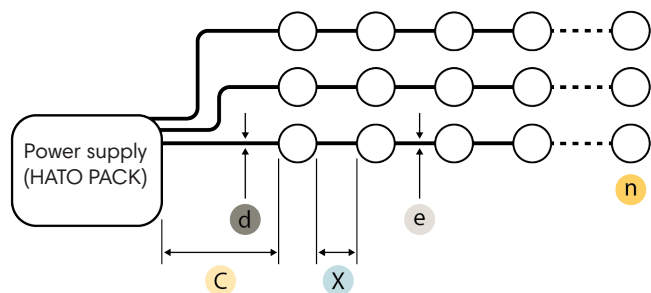
Installation details calculated with 2A HATO smart fuse

	Cable between lamps e	Fuse outputs used	Distance between lamps X					Max length connection cable [m/ft]	Cable thickness d	
			3m / 9.8ft	3.5m / 11.5ft	4m / 13.1ft	4.5m / 14.8ft	5m / 16.4ft		14AWG	12AWG
3000K 5000K	2x 14AWG	1	13	13	13	13	13	29 m 93 ft	45 m 147 ft	
3000K (XL) 5000K (XL)	2x 14AWG	1	7	7	7	7	7	29 m 93 ft	45 m 147 ft	
3000K + RED	3x 14AWG	2x1	13	13	13	13	13	29 m 93 ft	45 m 147 ft	

Installation details calculated with HATO F1.6A fuse (UL/CSA)

	Cable between lamps e	Fuse outputs used	Distance between lamps X					Max length connection cable [m/ft]	Cable thickness d	
			3m / 9.8ft	3.5m / 11.5ft	4m / 13.1ft	4.5m / 14.8ft	5m / 16.4ft		14AWG	12AWG
3000K/Blue 5000K/Blue	2x 14AWG	2	10	10	10	10	10	37m 121ft	59m 192ft	
3000K/Blue (XL) 5000K/Blue (XL)	2x 14AWG	2	6	6	6	6	6	36m 118ft	57m 187ft	

Installation example



- Lamp's line
- Lamps



PULSA

Notes

- Specifications are subject to change without prior notice.
- Always use HATO Power Pack.
Select the right HATO Power Pack type depending on local requirements.
- Please ask your sales representative in case of doubt.

Markings



* Protection test against penetration of water IPX7
(protected against temporary immersion in water up to 1 meter, for 30 minutes)

