



panda[®]
pool products

LUMINUS

Led Lights
ABS Plastic

TECHNICAL DATA SHEET

LED LIGHTS

PANDA LUMINUS series offers four models of LED lights manufactured from high strength ABS plastic and available in 4", 8", 10", and 11" diameters. Designed to deliver efficient illumination and long lasting durability.



ADVANTAGES

WIDE VARIETY OF LIGHTING EFFECTS

Up to 16 lighting effects in AC and 32 lighting effects in DC.

MAXIMUM LIGHTING WITH MINIMUM ENERGY CONSUMPTION

Thanks to its high-efficiency LED technology.

LONG SERVICE LIFE

Of up to 50,000 operating hours.

FEATURES

ABS PLASTIC CONSTRUCTION WITH UV PROTECTION

Models with resin encapsulation

FOR GREATER PROTECTION AND DURABILITY (SEE AVAILABLE MODELS).

SCREWS MADE OF 316 STAINLESS STEEL

For maximum corrosion resistance.

ADDITIONAL ELEMENTS

16.4 ft power cable.

8.2 ft power cable in FLAT models.

APPLICATIONS



RECREATIONAL SWIMMING POOLS



DECORATIVE FOUNTAINS



HOT SPRINGS



SPAS



PONDS

ILLUMINATION OPTIONS



PERFORMANCE & DIMENSIONS

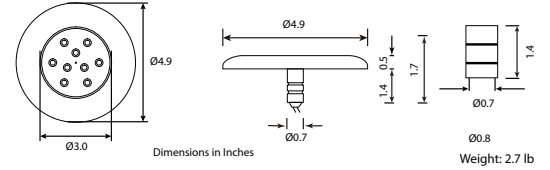
4" DIAMETER

DIRECT CURRENT 

BODY MATERIAL: ABS PLASTIC.
RESIN FILLED.
LIFESPAN UP TO 50,000 HOURS.
UV PROTECTION.
POLYCARBONATE LENS.
EPISTAR TYPE LED.

 **COOL LIGHT**
COLOR TEMPERATURE 4 000 - 4 500 K

 **RGB LIGHT**



GTIN-13 (E-COMMERCE CODE)	MODEL	POWER (W)	VOLTAGE (V \equiv)	POWER CABLES	CABLE LENGTH (ft)	MOUNTING TYPE	LIGHT COLOR	LED TYPE	BEAM ANGLE	MAX. LUMENS
7503054318099	LMS-4N-B-9W-12D	9	12	2	16.4	ADAPTER FOR 3/4" PIPE	COOL LIGHT	EPISTAR	120°	855
7503054318105	LMS-4N-C-9W-12D			4			RGB			

- The perceived light output (lumens) may vary depending on external conditions.
- Please note that the lamps require a transformer. Refer to the transformer data sheet to select the most suitable model.

8" DIAMETER

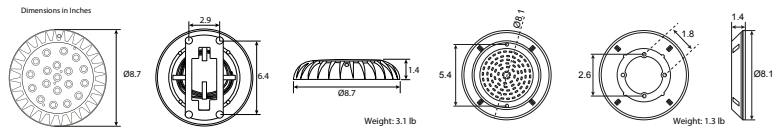
ALTERNATING CURRENT 

BODY MATERIAL: ABS PLASTIC.
RESIN FILLED.
LIFESPAN UP TO 50,000 HOURS.
UV PROTECTION.
POLYCARBONATE LENS.
OSRAM AND EPISTAR TYPE LED.

 **COOL LIGHT**
COLOR TEMPERATURE 4 000 - 4 500 K

 **RGB LIGHT**

 **WARM LIGHT**
COLOR TEMPERATURE 2 600 - 2 800 K



GTIN-13 (E-COMMERCE CODE)	MODEL	POWER (W)	VOLTAGE (V \equiv)	POWER CABLES	CABLE LENGTH (ft)	MOUNTING TYPE	LIGHT COLOR	LED TYPE	BEAM ANGLE	MAX. LUMENS
7503054318136	LMS-8-B-12W-12A	12	12	2	16.4	WALL	COOL LIGHT	OSRAM	60°	1 140
7503054318167	LMS-8-B-25W-12A	25					RGB			2 375
7503054318174	LMS-8-C-25W-12A	6					RGBW	316		
7503054318112	LMSF-8-CB-6W-12A	6			8.2		EPISTAR	120°	899	
7503054318143	LMSF-8-CB-15W-12A	15								

- The perception of light output (lumens) may vary depending on external conditions.
- Remember that the lights require a transformer, so please consult the transformer sheet to select the most appropriate model.
- FLAT lights (LMSF) are only compatible with other models when used with a transformer and controller.

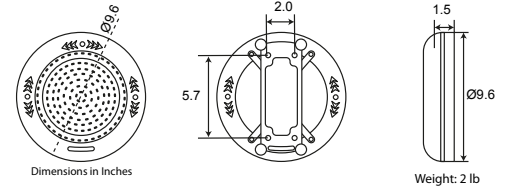
PERFORMANCE & DIMENSIONS

10" DIAMETER

ALTERNATING CURRENT 

BODY MATERIAL: ABS PLASTIC.
RESIN SEALED CONNECTOR.
LIFESPAN UP TO 50,000 HOURS.
UV PROTECTION.
POLYCARBONATE LENS.
EPISTAR TYPE LED.

-  **COOL LIGHT**
COLOR TEMPERATURE 4 000 - 4 500 K
-  **RGB LIGHT**
-  **WARM LIGHT**
COLOR TEMPERATURE 2 600 - 2 800 K



GTIN-13 (E-COMMERCE CODE)	MODEL	POWER (W)	VOLTAGE (V \equiv)	POWER CABLES	CABLE LENGTH (ft)	MOUNTING TYPE	LIGHT COLOR	LED TYPE	BEAM ANGLE	MAX. LUMENS
7503054318181	LMSF-10-CB-25W-12A	25	12	2	8.2	WALL	RGBW	EPISTAR	120°	1 423
7503054318204	LMSF-10-CB-35W-12A	35								1 846

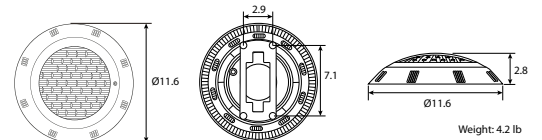
- The perception of light output (lumens) may vary depending on external conditions.
- Remember that the lights require a transformer, so please consult the transformer sheet to select the most appropriate model.
- FLAT lights (LMSF) are only compatible with other models when used with a transformer and controller.

11" DIAMETER

ALTERNATING CURRENT 

BODY MATERIAL: ABS PLASTIC.
RESIN SEALED CONNECTOR.
LIFESPAN UP TO 50,000 HOURS.
UV PROTECTION.
POLYCARBONATE LENS.
EPISTAR TYPE LED.

-  **RGB LIGHT**



GTIN-13 (E-COMMERCE CODE)	MODEL	POWER (W)	VOLTAGE (V \equiv)	POWER CABLES	CABLE LENGTH (ft)	MOUNTING TYPE	LIGHT COLOR	LED TYPE	BEAM ANGLE	MAX. LUMENS
7503054318228	LMS-11-C-18W-12A	18	12	2	16.4	WALL	RGB	EPISTAR	120°	1 710

- The perceived light output (lumens) may vary depending on external conditions.
- Please note that the lamps require a transformer. Refer to the transformer data sheet to select the most suitable model.

AC TRANSFORMERS

AC transformers are available in four power ratings: 30 W, 100 W, 300 W, and 500 W, allowing them to adapt to different lighting requirements.

For an enhanced lighting experience, the installation of a remote-control lighting controller is recommended prior to light installation.

PERFORMANCE - TRANSFORMER

GTIN-13 (E-COMMERCE CODE)	MODEL	POWER (W)	VOLTAGE (V~)	
			INPUT	OUTPUT
7503054318884	TRAFO-30-12A	30	127	12
7503054318891	TRAFO-100-12A	100		
7503054318907	TRAFO-300-12A	300		
7503054318914	TRAFO-500-12A	500		

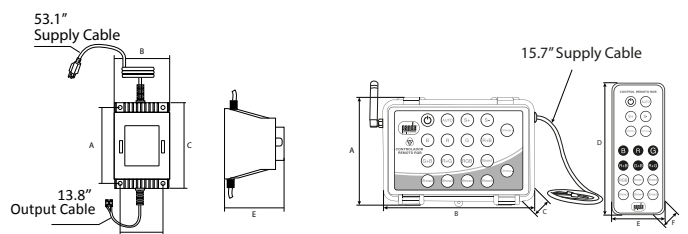
ADVANTAGES - CONTROLLER

Airtight safety cover.

Control panel included.

IP20.

Includes mounting accessories.



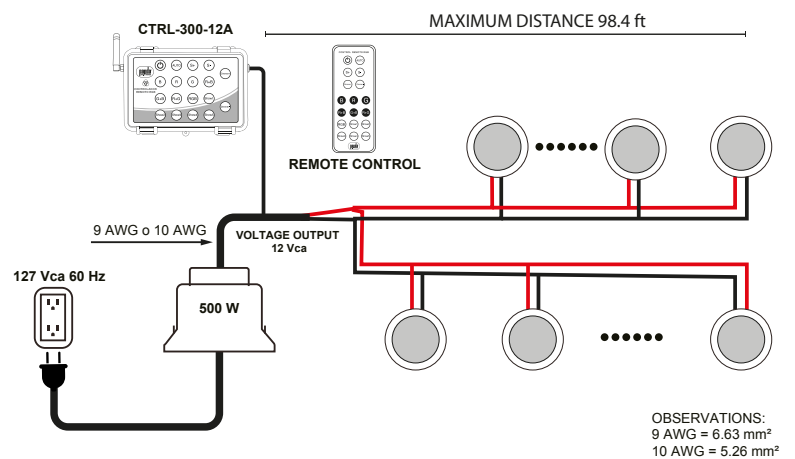
GTIN-13 (E-COMMERCE CODE)	MODEL	POWER (W)	VOLTAGE (V~)	MAXIMUM OPERATING DISTANCE (ft)
			INPUT	
7503054318877	CTRL-300-12A	300	12	98.4

MODEL	DIMENSIONS (in)						WEIGHT (lb)
	A	B	C	D	E	F	
TRAFO-30-12A	3.3	2.2	3.8	1.6	2.8	N/A	2.0
TRAFO-100-12A	4.3	3.1	4.9	2.5			4.6
TRAFO-300-12A	5.2	3.9	6.2	2.6	4.0		8.8
TRAFO-500-12A	5.6	4.4	6.4	3.0	6.0		19.2
CTRL-300-12A	3.9	5.9	2.8	5.4	2.2	0.7	1.2

RGB LIGHTING SEQUENCE



CONNECTION DIAGRAM



DC TRANSFORMERS

500 W transformer designed to power LED pool lights, delivering reliable performance for a variety of lighting setups.

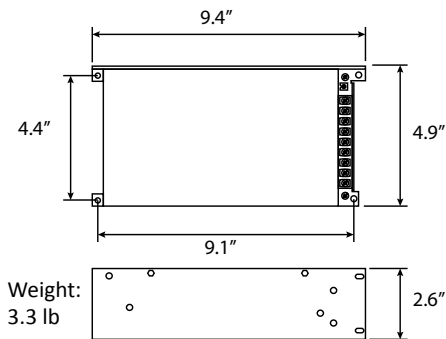
For an enhanced lighting experience, the installation of a remote-control lighting controller is recommended prior to light installation.

PERFORMANCE - TRANSFORMER

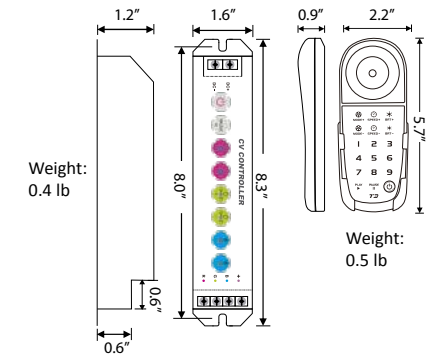
GTIN-13 (E-COMMERCE CODE)	MODEL	POWER (W)	VOLTAGE	
			INPUT (V~)	OUTPUT (V==)
7503054318921	TRAFO-500-12D	500	127 / 230	12

ADVANTAGES - CONTROLLER

GTIN-13 (E-COMMERCE CODE)	MODEL	POWER (W)	VOLTAGE (V==)	
			INPUT	OUTPUT
7503054318860	CTRL-180-12D	180	12	12



RGB LIGHTING SEQUENCE



CONNECTION DIAGRAM

