

# IP65 12V LED LIGHTS WITH INTEGRATED SPEAKER SYSTEM



## INSTALLATION POINTS

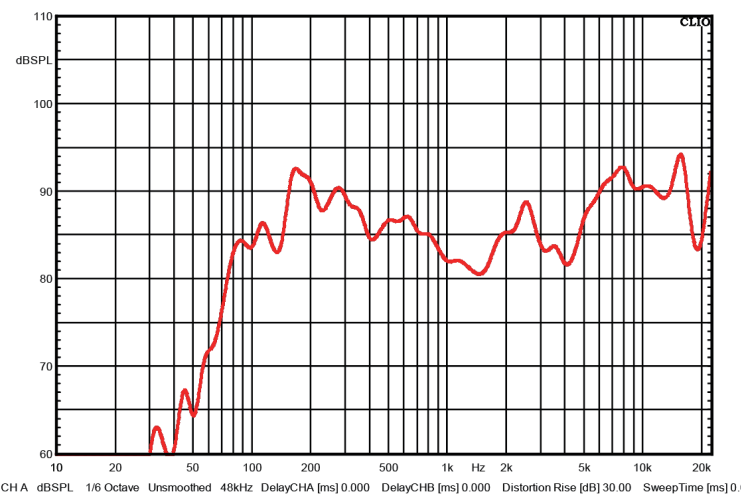
Failure to observe any of these installation points will invalidate your warranty:

- Ensure you use appropriate crossover points for the intended result.
- Be realistic about output - do not try to turn a full range driver into a subwoofer.
- Ensure mounting surface is completely flat so as not to distort the speaker chassis.

## TS PARAMETERS

Name	Value	Unit	Note
RE	5.5	OHM	Electrical voice coil resistance at DC
LCES	10.1480	MH	Electrical inductance representing driver compliance
FS	120.43	HZ	Driver resonance frequency
MMS	2.7590	G	Mechanical mass of driver diaphragm assembly including air load and coil
MMD	2.5928	G	Mechanical mass of voice coil and diaphragm with out air load
CMS	0.6330	MM/N	Mechanical compliance of driver suspension

## SPL VS FREQUENCY



## DETAILED TECHNICAL DATA

Power Handling (Per Pair):	30 WRMS (@0%Thd)
Nominal Impedance:	8 ohm
Voice Coil Diameter:	25.9 mm
Voice Coil Layers:	2 layers
Magnet:	80*12 mm
Magnet Type:	Y30 Ferrite

## TEAM TIPS

- Installing speakers closely together and in the same air space improves bass response.
- Ensure to connect all speakers with the correct phase. Incorrect connection will destroy bass response.
- Make sure to have adequate ventilation to prevent moisture not clearing long term which can cause non-warranty damage.



Name	Value	Unit	Note
BL	4.0038		Force factor BL product
QMS	2.1969		Mechanical Q factor of driver in free air considering RMS only
QES	0.7163		Electrical Q factor of driver in free air considering RE only
QTS	0.5402		Total Q factor considering RE and RMS only
VAS	1.7253	LTR	Equivalent air volume of suspension
LMOM	88.2622	DB	Nominal sensitivity [SPL at 1M for 1W @ ZN]
SD	44.18	CM2	Diaphragm area

## TECHNICAL DRAWING

Mounting Depth:	56mm
Mounting Diameter:	92mm
Total Diameter:	110mm
Weight Approx. (Per a Driver):	0.4Kg

