

# DROP6i

## HIGH-PERFORMANCE LOUDSPEAKERS

### Pendant Loudspeaker



### PRODUCT OVERVIEW

**DROP6i** is a 2-way full-range 6.5" pendant loudspeaker delivering 75W @ 8Ω, designed with a sleek, discreet aesthetic. It features a 70/100V line transformer with selectable 60/30/15/7.5W power taps and is available in both high- and low-impedance configurations.

### KEY FEATURES

- Two-way full-range pendant loudspeaker.
- 75 W RMS @ 8 Ω.
- 6.5" woofer / 1" Silk Dome tweeter.
- Compatible for use in high impedance (70V or 100V line) and low impedance (8Ω).
- Power selector: 4 options of 60W/30W/15W/7.5W in high impedance or one 75W option in low impedance.
- IP53 rated.
- ABS reinforced with fibreglass.
- Paintable grill and speaker (white).
- INPUT/LINK double connector, Euroblock type.
- Cable length: 5m (includes 2 height adjustable steel cords)
- Available in white (RAL9003) and black (RAL9005).
- [EASE files available](#).

### APPLICATIONS

- Retail
- Hospitality
- Corporate
- Leisure

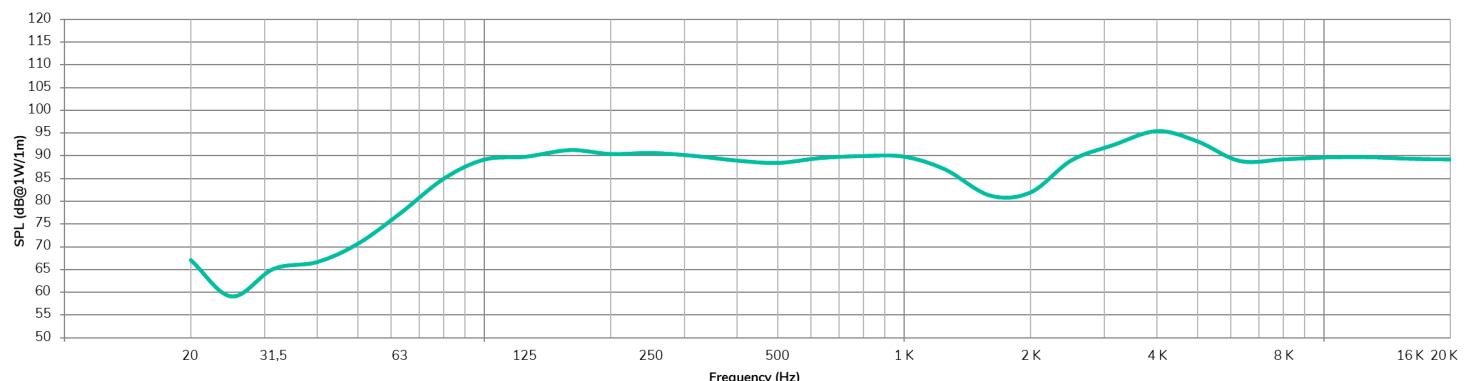
## TECHNICAL SPECIFICATIONS

## DROP6i

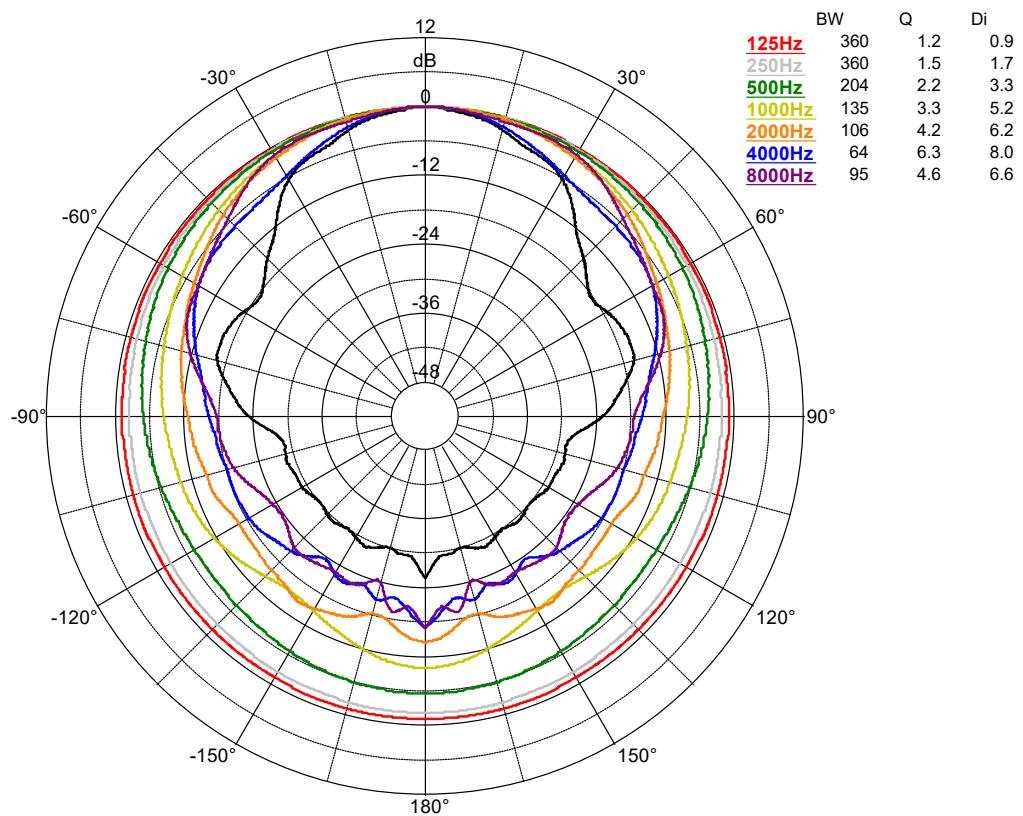
SYSTEM	
Effective Freq. Range <sup>1</sup>	70Hz -20KHz (-10dB)
Coverage angle <sup>2</sup>	135° Conical
Power handling	75W RMS / 300W Peak
Sensitivity <sup>3</sup>	90 dB (1W/1m)
Maximum SPL <sup>4</sup>	109 dB continuous / 115 dB peak
Power options	70V/100V: 7.5W - 15W - 30W - 60W / 75W@8Ω
Recommended amplifier power	150W RMS
TRANSDUCERS	
Ways	2-ways full range
Driver	6.5" Woofer + 1" Tweeter
Low frequency driver	6.5" Woofer
High frequency driver	1" Silk Dome Tweeter
Nominal impedance	8Ω
FILTERS	
Crossover filter	1,65 KHz
PHYSICAL	
Connection type	Double INPUT/LINK connector, Euroblock type
Power type selector	Back panel tap rotary selector
Installation options	Pendant
Environmental	IP53 rated
Enclosure material	ABS reinforced with fibreglass
Grill material	Aluminium
Grill fixing system	Bayonet mount system
Mounting system	Steel wire hanging
Flying points	2 x Steel wire hanging points
Operating temperature	Min: -20°C ; -4°F Max: 70°C ; 158°F
Operating humidity	<85% HR
Storage temperature	Min: -20°C ; -4°F Max: 70°C ; 158°F
Storage humidity	<90% HR
Included accessories	2 x Steel Wire for hanging (5 m), 2 x 3C Euroblock connector
Finished colour	White (RAL9003) or Black (RAL9005)
Dimensions (Ø xH)	270mm x 344mm / 10.63 in. x 13.54 in.
Weight	4.2 Kg / 9.26 lb
Pieces per box	1
Shipping dimensions (WxHxD)	380 x 325 x 370mm / 14.96 x 12.80 x 15.57 in.
Shipping weight	5.5 Kg / 12.13 lbs

<sup>1</sup>10dB below the sound pressure level at specified sensitivity<sup>2</sup>6dB below the sound pressure level than that at the direction of maximum level. Max. angle between 1 kHz and 4 kHz.<sup>3</sup>Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 10 kHz.<sup>4</sup>Calculated from sensitivity and power handling specifications, exclusive of power compression

## FREQUENCY RESPONSE ON-AXIS



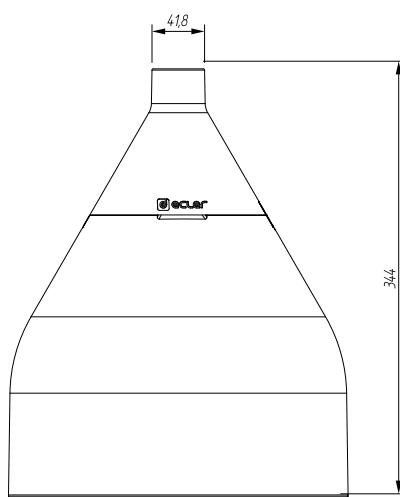
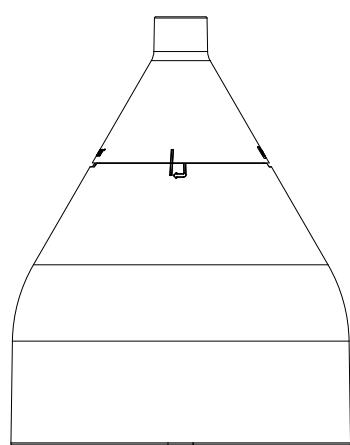
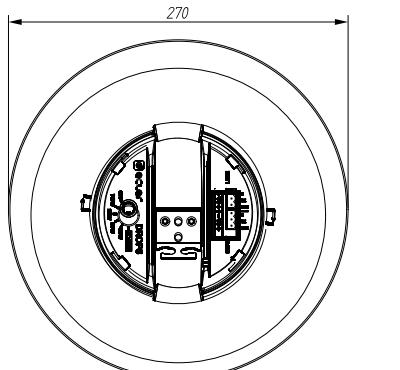
## POLAR DIAGRAMS



## MECHANICAL DIAGRAM



Ecler DROP6i Mechanical Diagram



All the measurements are in mm

6I-1079-0200

[www.ecler.com](http://www.ecler.com)

## A&E SPECIFICATIONS

The pendant loudspeaker shall be a two-way type consisting of an 6,5" woofer and a 1" silk dome tweeter suitable for 70/100 V line or low impedance installations. The power handling should be 75 W RMS at a nominal impedance of 8 Ω with a peak power handling of 300 W. It shall include a multi-tapping line transformer with tapings for 7.5W - 15W - 30W - 60W in 70/100V line, including an 8 Ω bypass.

The effective frequency range ( $\pm 10$  dB) shall be from 70Hz -20KHz. The sensitivity shall be 90 dB considering 1 W input signal at 1 meter distance. The maximum continuous sound pressure level shall be 109 dB, while the maximum peak pressure level shall be 115 dB considering the loudspeaker's rated power. The coverage angle shall be a 135° conical coverage pattern.

The enclosure shall be made of ABS reinforced with fiberglass and the borderless grill shall be made of rust-proof aluminum. It shall come available in both white (RAL9003) and black (RAL9005) colors. Mounting of the pendant speaker into the ceiling shall be possible using the steel cords hanging. Connection shall be made via terminal block, including a double INPUT/LINK connector.

The loudspeaker shall have a diameter of 270 mm, a high of 344 mm and the weight shall not exceed 4,2 kg. It shall have data files available that can be used with EASE acoustic simulation software.

The loudspeaker shall be the ECLER DROP6i.