

# Wide Dispersion Reentrant Horn Loudspeakers



## Model KFLDS30T

### Description

The Bogen KFLDS30T is a wide dispersion, high intelligibility, reentrant type loudspeaker, designed for applications where wide angle projection and select audio directivity is a necessity.

The flare-shaped horn can be rotated to project sound in either the horizontal or vertical plane. The speaker's all-purpose tilt and swivel base simplifies installation and makes such positioning possible.

Its sturdy, weatherproof, polycarbonate and aluminum construction is ideal for both indoor and outdoor use.

Screw terminals make installation fast and easy. Plastic cover protects connectors and 70V/25V impedance selector switch, and provides strain relief for the audio line.

### Features

- 30 watts max @ 70 volt or 15 watts max @ 25 volt
- Weatherproof, polycarbonate and aluminum construction
- Driver enclosed in waterproof housing
- 170° dispersion with rotatable horn flare
- All-purpose mounting bracket shall provide precise positioning in the vertical and horizontal planes with a single adjustment
- Seven-position weather-sealed switch matches either a 70V or 25V constant-voltage line
- Tap settings for 70V: 30, 15, 7.5, 3.7, 1.8; for 25V: 15, 7.5, 3.7, 1.8, 0.9, 0.5, 0.25
- Self-aligning, field-replaceable diaphragm
- High intelligibility and efficiency
- Screw terminals for easy audio line connection
- Plastic cover protects connectors and impedance selector switch, and provides strain relief for the audio line
- Banding slots on bracket permit mounting on beams or pillars, and use of a beam clamp
- Textured mocha enamel finish, matching polycarbonate horn flare
- Two-year warranty

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## Technical Specifications

<b>Power Rating (RMS):</b>	30 watts continuous (70V amplifier systems); 15 watts continuous (25V amplifier systems)
<b>Frequency Response:</b>	300 Hz to 12 kHz
<b>Impedance:</b>	25/70 volts
<b>Power Taps:</b>	70V - 1.8, 3.7, 7.5, 15, or 30 watts 25V - 0.25, 0.5, 0.9, 1.8, 3.7, 7.5, or 15 watts
<b>Sound Pressure Level:</b>	119 dB @ 1m on axis @ 30 watt (avg 400 Hz -3 kHz) 104 dB @ 1m on axis @ 1 watt (avg 400 Hz -3 kHz)
<b>Dispersion:</b>	170° (rotatable horn flare)
<b>Dimensions:</b>	14-3/8" W x 8-1/4" H x 12-7/8" D
<b>Shipping Weight:</b>	8 lb.
<b>Finish:</b>	Textured mocha enamel finish, matching polycarbonate horn flare

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## Architect and Engineer Specifications\*

The loudspeaker shall be a Bogen Model KFLDS30T or approved equal, wide dispersion, reentrant type horn loudspeaker. The frequency response shall be 300 Hz to 12 kHz. Rated power output shall be 30 watts, RMS continuous when driven by a 70V amplifier system and 15 when driven by a 25V amplifier system. Dispersion shall be 170° with the rotatable horn flare allowing control of the dispersion orientation. Sound pressure level, measured 1 meter on axis with 30-watt input shall be at least 119 dBspl.

The unit shall incorporate a seven-position weather-sealed switch, to allow matching the loudspeaker to a 25V or 70V constant-voltage line. Power handling capacity shall be adjustable at 70V to 1.8, 3.7, 7.5, 15, or 30 watts, and at 25V to 0.25, 0.5, 0.9, 1.8, 3.7, 7.5, or 15 watts.

The loudspeaker shall be of weatherproof, aluminum construction with matching polycarbonate horn flare, and driver shall be enclosed within a waterproof housing. The loudspeaker shall include a self-aligning, field-replaceable diaphragm.

Screw terminals shall be provided for connection to the audio line. A plastic cover shall be provided to protect the connectors and impedance selector switch, and provide strain relief for the audio line.

An all-purpose mounting bracket shall provide precise positioning in the vertical and horizontal planes with a single adjustment. The bracket shall include banding slots to permit mounting the loudspeaker on beams or pillars and provisions for use of a Bogen BC1 beam clamp.

Bracket and loudspeaker shall be finished in mocha enamel. The unit shall measure 14-3/8" W x 8-1/4" H x 12-7/8" D. Shipping weight shall be 8 lb.

\* Architect & Engineer Specifications are available on the Bogen website in a Microsoft® Word document to assist you with preparing your bids.

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