

METAL SOUND PROJECTORS

➤ CELL20T/EN ➤ CELL20T/ENC

EN54-24



TECHNICAL SPECIFICATIONS

EN54-24:2008

Certificate No: 0359-CPD-0164 TYPE B

ELECTRICAL

Rated power, Watts	20
Tappings 100 volt line, Watts	20/10/5/2.5
Transformer Impedance, Ohms 100V	500/1k/2k/4k
Tappings 70.7 volt line, Watts	10/5/2.5/1.25
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	110 - 16k
S.P.L. @ 4m, 1watt, dB, 1/3 Octave, 1KHz	66
S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz	88
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz	78
S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz	101
Dispersion at 1k/2k Hz, Degrees	180/120

ENVIRONMENTAL

IP Rating	66
Max/Min Ambient Temp	70°/-25°C
Relative Humidity	≤95%

MECHANICAL

Dimensions, front dia x D, mm	140 x 191
Net Weight, Kgs	2.3
Colour (Unless Specified)	RAL9016
Material	Aluminium with Stainless Steel hardware. Aluminium grill
Mounting	Aluminium U bracket

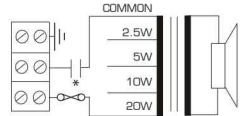
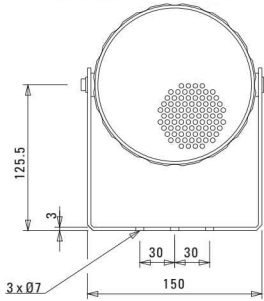
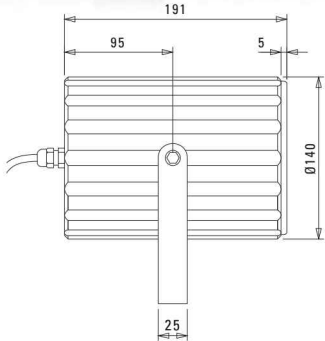
- CELL20T/ENC is supplied with capacitor for DC line monitoring
- CELL20T/EN & C are BS5839 Part 8 Compliant
- Suitable for external use

Manufacturer reserves the right to alter specifications without notice

September 2016

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*with capacitor

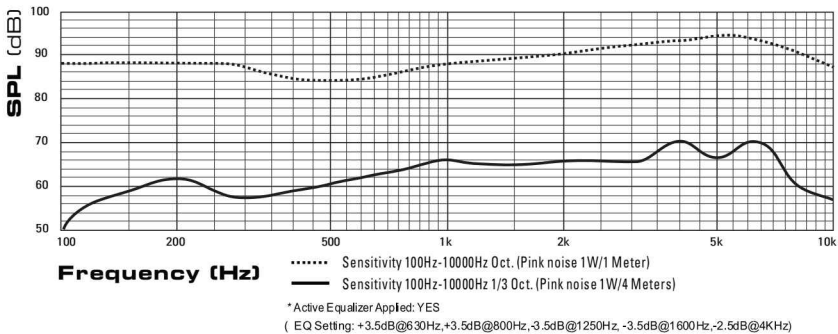
WITH TRANSFORMER: 100V/70V LINE

	WHITE WIRE PLUS TAPPING				BLACK
	2.5W	5W	10W	20W	COM
100V	2.5W	5W	10W	20W	COM
70V	1.25W	2.5W	5W	10W	COM
IMP(Ω)	4K	2K	1K	500	

DISPERSION ANGLES

		HORIZONTAL	VERTICAL
1 OCT. PINK NOISE	500 Hz	180°	180°
1 OCT. PINK NOISE	1K Hz	180°	180°
1 OCT. PINK NOISE	2K Hz	120°	120°
1 OCT. PINK NOISE	4K Hz	80°	80°

FREQUENCY RESPONSE



The CELL20T/EN & CELL20T/ENC have been tested for 100 hours at a maximum power of 20W. Both units did not deviate by more than +/- 3dB. The frequency response and impedance curves remained constant throughout the test period. All results are in full compliance with the requirements of EN54-24



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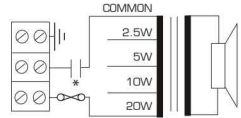
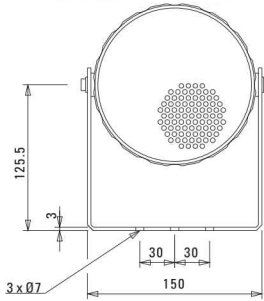
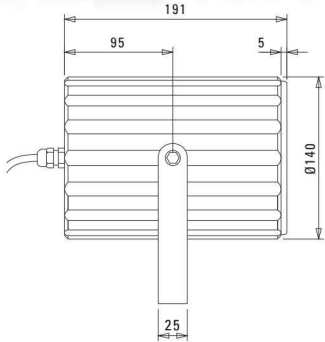
Unit 2 Teville Industrials | Dominion Way | Worthing | West Sussex | BN14 8NW
T: +44 (0)1903 215315 | F: +44(0)1903 215415 | E: SALES@PENTONUK.CO.UK

www.pentonuk.co.uk



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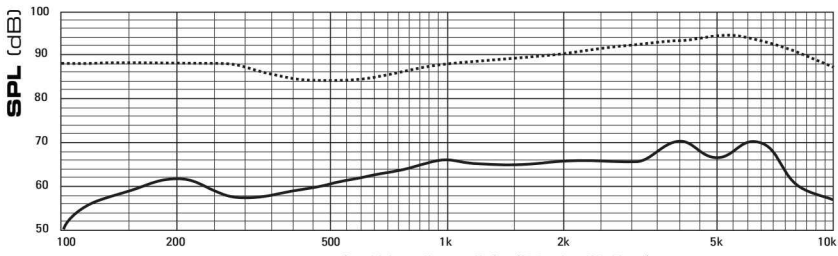
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FREQUENCY RESPONSE



Frequency (Hz)

..... Sensitivity 100Hz-10000Hz Oct. (Pink noise 1W/1 Meter)

———— Sensitivity 100Hz-10000Hz 1/3 Oct. (Pink noise 1W/4 Meters)

* Active Equalizer Applied: YES

(EQ Setting: +3.5dB@630Hz, +3.5dB@800Hz, -3.5dB@1250Hz, -3.5dB@1600Hz, -2.5dB@4KHz)

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