

# HD

the Design-Tower



Compact





**VISUAL-AUDIBLE LED SIGNAL TOWER SYSTEM IN SEMI-CIRCULAR DESIGN**

- Modern signal tower design
- Available to order pre-configured or with customised tower configuration
- Range of housing colours: grey, chrome or black
- Models with two to five beacons available



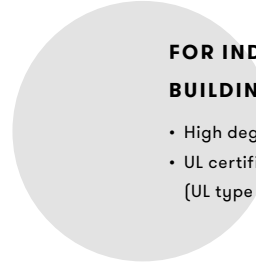
**OPTIONAL PIEZO BUZZER**

- Can optionally be extended with buzzer with two tones and adjustable volume
- Steady and pulsing tone, 70-90 dB



**EXCELLENT SIGNALLING**

- Distinct lens pattern with additional mirroring
- From every viewing angle (180°)



**FOR INDUSTRIAL AND UNIVERSAL BUILDING TECHNOLOGY APPLICATIONS**

- High degree of protection IP65
- UL certification allowing for international use [UL type 4/4X/13]



**STATE-OF-THE-ART LED TECHNOLOGY**

- LED steady or LED flashing beacon light functions
- Resistant to vibrations and impact, maintenance-free and long-lasting

# HD compact Signal tower



Compact

- LED signal tower system in semi-circular design
- Steady or strobe beacon can be selected for every position
- 6 lens colours, 3 housing colours
- Distinct lens structure with mirrored reflector
- Optimal signalling from every viewing angle
- Piezo buzzer optionally available with steady or pulsing tone
- Pre-assembled towers or individual configuration available for 2-5 positions
- For universal applications in industry or building technology
- PLC-suitable
- High degree of protection IP65, UL type 4/4X/13

## TECHNICAL DATA

Housing	Ø 90 mm, ABS and Polycarbonate chrome, black (RAL 9005) or grey (RAL 7035)chrome, black (RAL 9005) or grey (RAL 7035)
Lens	Polycarbonate, ribbed inside orange, red, clear, blue, green or yellow
Type of mounting	Wall mounting
Leakage current	0,003 A (PLC-suitable)
Beacon type	LED steady beacon or LED flashing beacon
Light source	LEDs
Strobe/flash frequency	Flashing beacon 2 Hz
Tone	Steady tone or Pulsing tone
Volume	70-90 dB
Tone frequency	2.500 Hz
Duty cycle	100 %
Service life	Light source: 100.000 h
Operating temperature	-25 °C / +50 °C
Degree of protection	IP65 & UL Type 4/4x/13
Weight	2 modules: 273 g/3 modules: 319 g/4 modules: 376 g/5 modules: 419 g



## HD



Order number: HD90-Q01  
Colours: red/orange/green  
Function: LED steady beacon  
Housing colour: grey  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q02  
Colours: red/green  
Function: LED steady beacon  
Housing colour: grey  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q07  
Colours: red/yellow/green  
Function: LED steady beacon  
Housing colour: grey  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q1036  
Colours: red/yellow/green/blue/clear  
Function: LED steady beacon, buzzer steady or pulsing tone  
Housing colour: grey  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q1039  
Colours: red/yellow/green/clear  
Function: LED steady beacon, buzzer steady or pulsing tone  
Housing colour: grey  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q11  
Colours: red/orange/green  
Function: LED steady beacon  
Housing colour: chrome  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q12  
Colours: red/green  
Function: LED steady beacon  
Housing colour: chrome  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q17  
Colours: red/yellow/green  
Function: LED steady beacon  
Housing colour: chrome  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q21  
Colours: red/orange/green  
Function: LED steady beacon  
Housing colour: black  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q22  
Colours: red/green  
Function: LED steady beacon  
Housing colour: black  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q27  
Colours: red/yellow/green  
Function: LED steady beacon  
Housing colour: black  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q31  
Colours: red/orange/green  
Function: LED steady beacon, buzzer steady or pulsing tone  
Housing colour: grey  
Nominal voltage: 24 V AC/DC

HD



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Order number: HD90-Q32  
 Colours: red/green  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: grey  
 Nominal voltage: 24 V AC/DC



Order number: HD90-Q34  
 Colours: red/orange/green/clear  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: grey  
 Nominal voltage: 24 V AC/DC



Order number: HD90-Q35  
 Colours: red/orange/green/blue  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: grey  
 Nominal voltage: 24 V AC/DC



Order number: HD90-Q36  
 Colours: red/orange/green/blue/clear  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: grey  
 Nominal voltage: 24 V AC/DC



Order number: HD90-Q37  
 Colours: red/yellow/green  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: grey  
 Nominal voltage: 24 V AC/DC



Order number: HD90-Q39  
 Colours: red/yellow/green/blue  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: grey  
 Nominal voltage: 24 V AC/DC



Order number: HD90-Q41  
 Colours: red/orange/green  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: chrome  
 Nominal voltage: 24 V AC/DC



Order number: HD90-Q42  
 Colours: red/green  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: chrome  
 Nominal voltage: 24 V AC/DC



Order number: HD90-Q47  
 Colours: red/yellow/green  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: chrome  
 Nominal voltage: 24 V AC/DC



Order number: HD90-Q51  
 Colours: red/orange/green  
 Function: LED steady beacon  
 Housing colour: grey  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q52  
 Colours: red/green  
 Function: LED steady beacon  
 Housing colour: grey  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q57  
 Colours: red/yellow/green  
 Function: LED steady beacon  
 Housing colour: grey  
 Nominal voltage: 230-240 V AC

## HD



Order number: HD90-Q61  
 Colours: red/orange/green  
 Function: LED steady beacon  
 Housing colour: chrome  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q62  
 Colours: red/green  
 Function: LED steady beacon  
 Housing colour: chrome  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q67  
 Colours: red/yellow/green  
 Function: LED steady beacon  
 Housing colour: chrome  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q71  
 Colours: red/orange/green  
 Function: LED steady beacon  
 Housing colour: black  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q72  
 Colours: red/green  
 Function: LED steady beacon  
 Housing colour: black  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q77  
 Colours: red/yellow/green  
 Function: LED steady beacon  
 Housing colour: black  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q81  
 Colours: red/orange/green  
 Function: LED steady beacon  
 Housing colour: grey  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q82  
 Colours: red/green  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: grey  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q87  
 Colours: red/yellow/green  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: grey  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q91  
 Colours: red/orange/green  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: chrome  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q92  
 Colours: red/green  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: chrome  
 Nominal voltage: 230-240 V AC



Order number: HD90-Q951  
 Colours: red/orange/green  
 Function: LED steady beacon, buzzer steady or pulsing tone  
 Housing colour: black  
 Nominal voltage: 24 V AC/DC

# HD



Order number: HD90-Q952  
Colours: red/green  
Function: LED steady beacon, buzzer steady or pulsing tone  
Housing colour: black  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q957  
Colours: red/yellow/green  
Function: LED steady beacon, buzzer steady or pulsing tone  
Housing colour: black  
Nominal voltage: 24 V AC/DC



Order number: HD90-Q97  
Colours: red/yellow/green  
Function: LED steady beacon, buzzer steady or pulsing tone  
Housing colour: chrome  
Nominal voltage: 230-240 V AC



Order number: HD90-Q991  
Colours: red/orange/green  
Function: LED steady beacon, buzzer steady or pulsing tone  
Housing colour: black  
Nominal voltage: 230-240 V AC



Compact

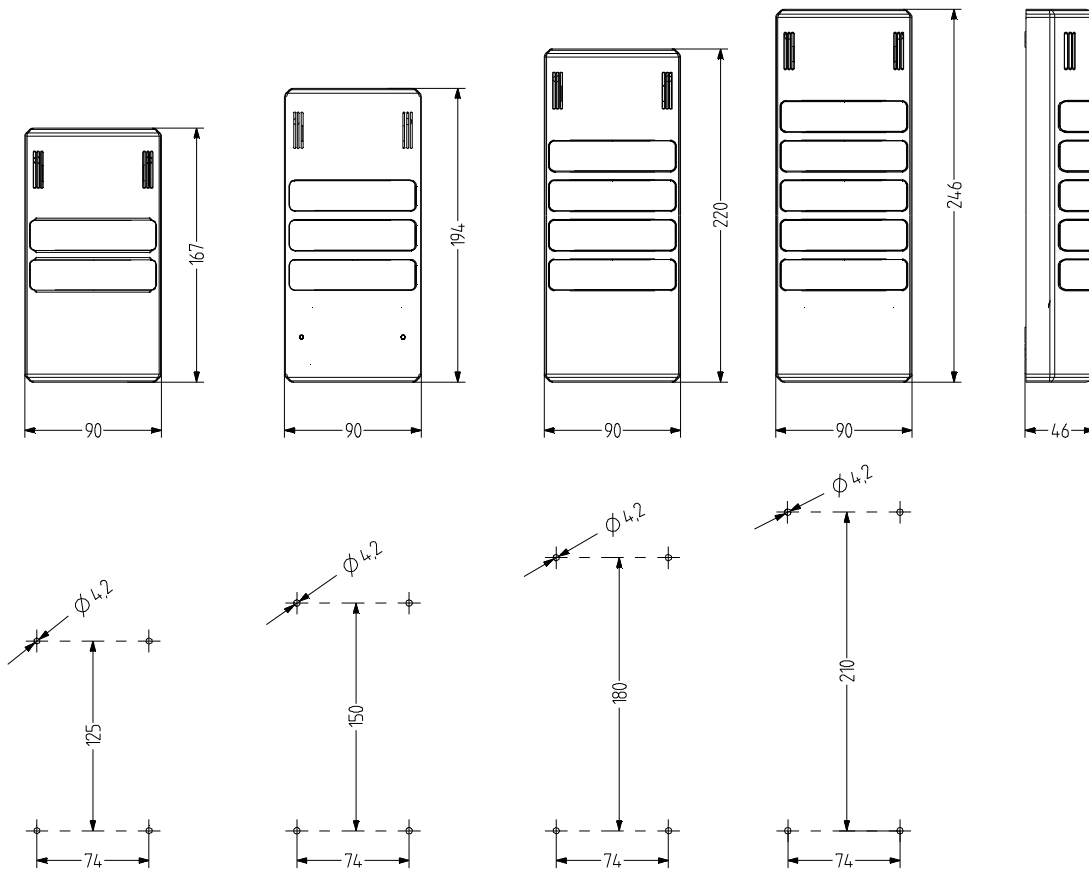


Order number: HD90-Q992  
Colours: red/green  
Function: LED steady beacon, buzzer steady or pulsing tone  
Housing colour: black  
Nominal voltage: 230-240 V AC



Order number: HD90-Q997  
Colours: red/yellow/green  
Function: LED steady beacon, buzzer steady or pulsing tone  
Housing colour: black  
Nominal voltage: 230-240 V AC

# HD

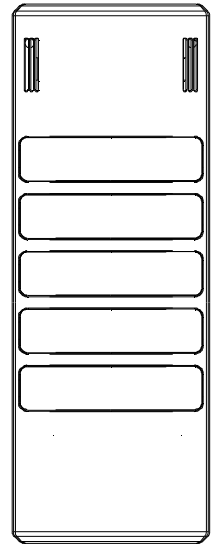
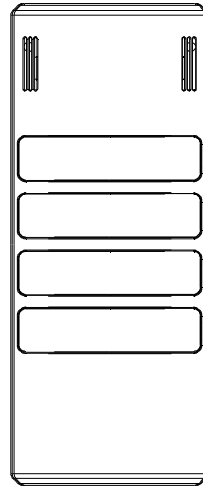
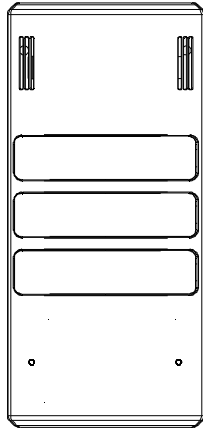
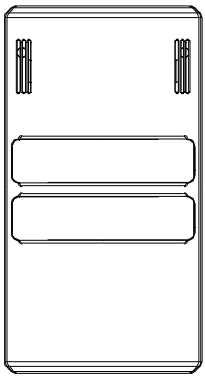




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## ORDER NUMBER LOGIC

An order number for HD always begins with “HD”. Select your preferred configuration from each category and enter your choices in the numbered boxes. A configuration for a module is always made up of 2 parts. The module type (a) and the lens colour (b).

An example of an order number would be:

**HD C 24 L6 B7 L2 B5 L4 DZ**

## HOUSING COLOUR (1)

grey	G
chrome	C
black	B

## NOMINAL VOLTAGE (2)

12 V AC/DC	12
24 V AC/DC	24
110/120 V AC	10
230/240 V AC	20

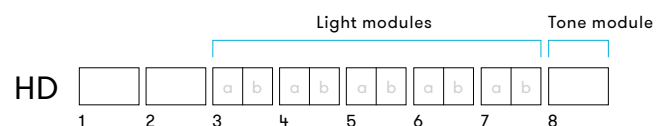
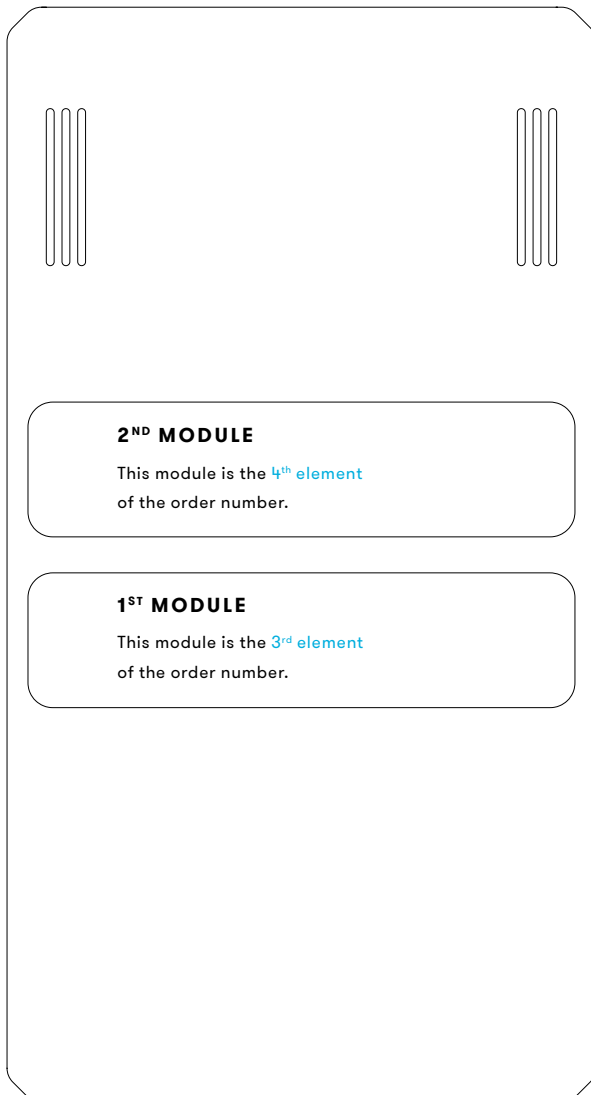
## MODULES (3-8)

### Module type (a)

HLL	LED steady light	L
HLB	LED flashing light	B
HDZ	Piezo buzzer, continuous and pulsing tone, 70-90 dB	DZ

### Lens colour (b)

orange	1
red	2
clear	4
blue	5
green	6
yellow	7



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