



LED Indicators

## AmpiLED display

Series HL

## Series HL

## Technical features

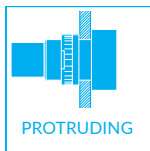
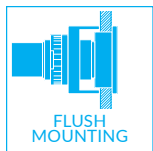
Body material: **Polycarbonate (PC) V0/UL 94**  
 Body colour: **Black**  
 Protection degree: **IP54**  
 Working temperature: **-20°C +60°C**  
 Operating life at AT 25°C: **> 100.000 h**  
**Not replaceable LEDs**



Available with integrated Lamp Test circuit (LT), to test all signals at once.



Customer can choose the LED colors, their arrangement and the text next to the LEDs. Easy label replacement, freely exchangeable at any time.



B type solution with low-profile Flush Mounting, to limit the external dimensions and improve the design of the panel.

Customs tariff: **85389091**

**DOMO reserves the right to change, amend, modify, suspend, continue or terminate all or any part of the Product range either in an individual case or in general, at any time without notice.**

### Supply voltage +/- 10%

Power	Consumption	Current
12 Vac/dc	15-20mA	AC/DC
24 Vac/dc	15-20mA	AC/DC
48 Vac/dc	15-20mA	AC/DC
130 = 110-130 Vac/dc	15-20mA	AC/DC
240 Vac	15mA	Alternating Current
220 Vdc	9mA	Direct Current

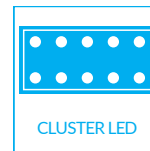
Other power supplies on request



Integrated Rectifier Bridge to work in Alternating Current (AC) or Direct Current (DC), automatically.



Easy to connect thanks to the Faston terminals 2.8mm x 0.8mm or Flying Leads.



Tropicalization treatment available on request. Extra bright visibility thanks to the powerful Cluster LED (available only for HL16 48 and HL16 72).

Compliance:

**Directive 2006/95/EC Low Voltage**

**Directive 2004/108/EC Electromagnetic Compatibility**

**Directive 2011/65/EC RhOS**

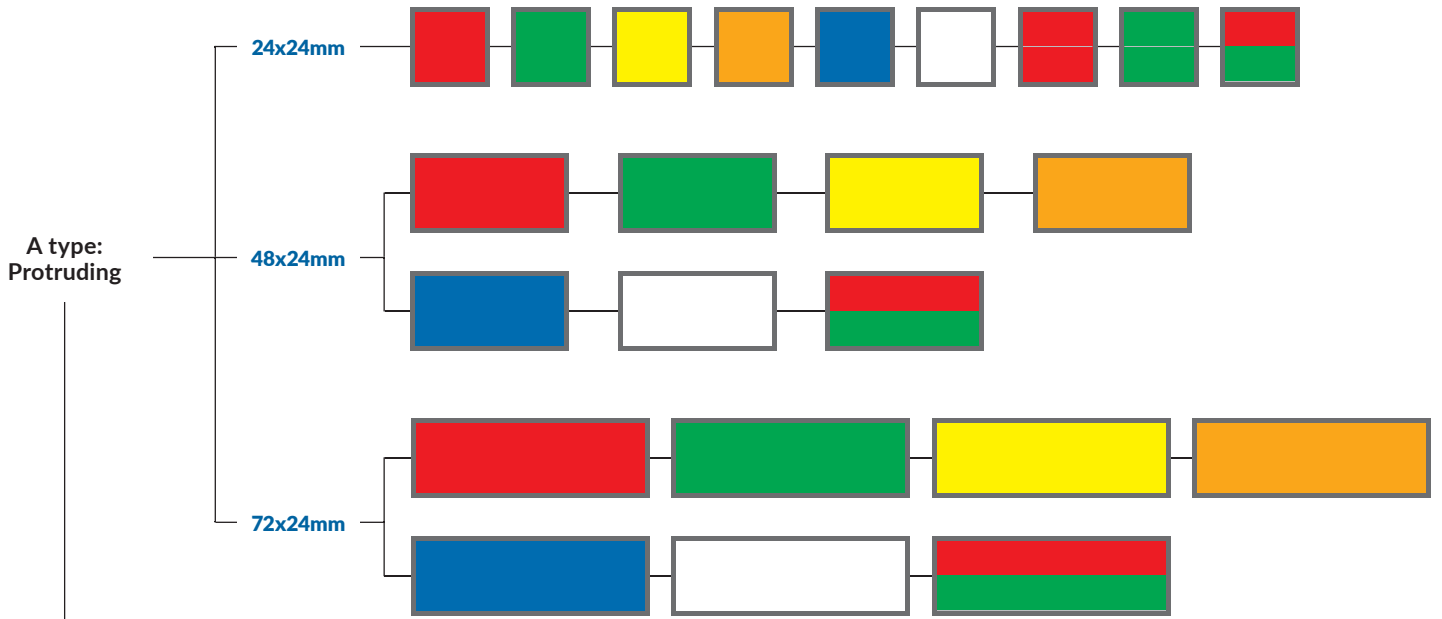
**Directive 2006/42/EC Machinery**

Conformity to standards:

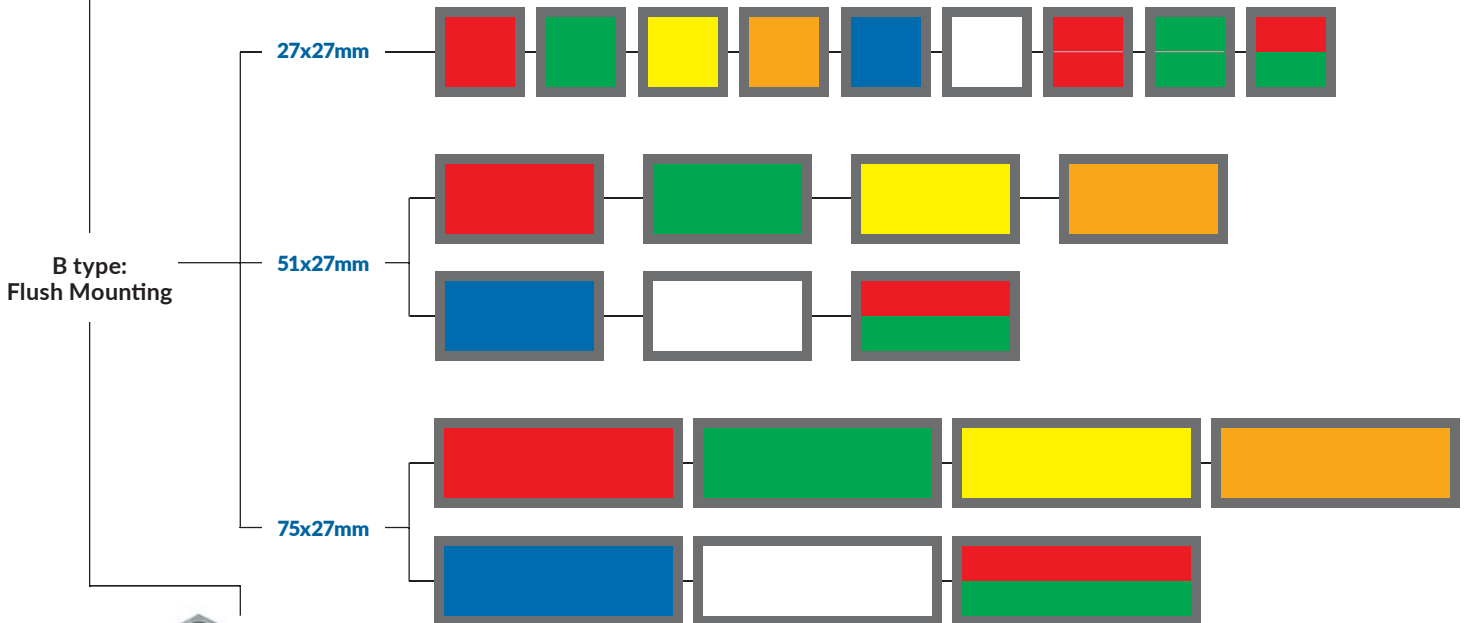
**EN 60947.5.1 / EN 60073 / EN 60529 / EN 60068-2-6 / EN 60204.1 / EN ISO 7731 / EN 981 / IEC 536**



### Head shape



### Head shape

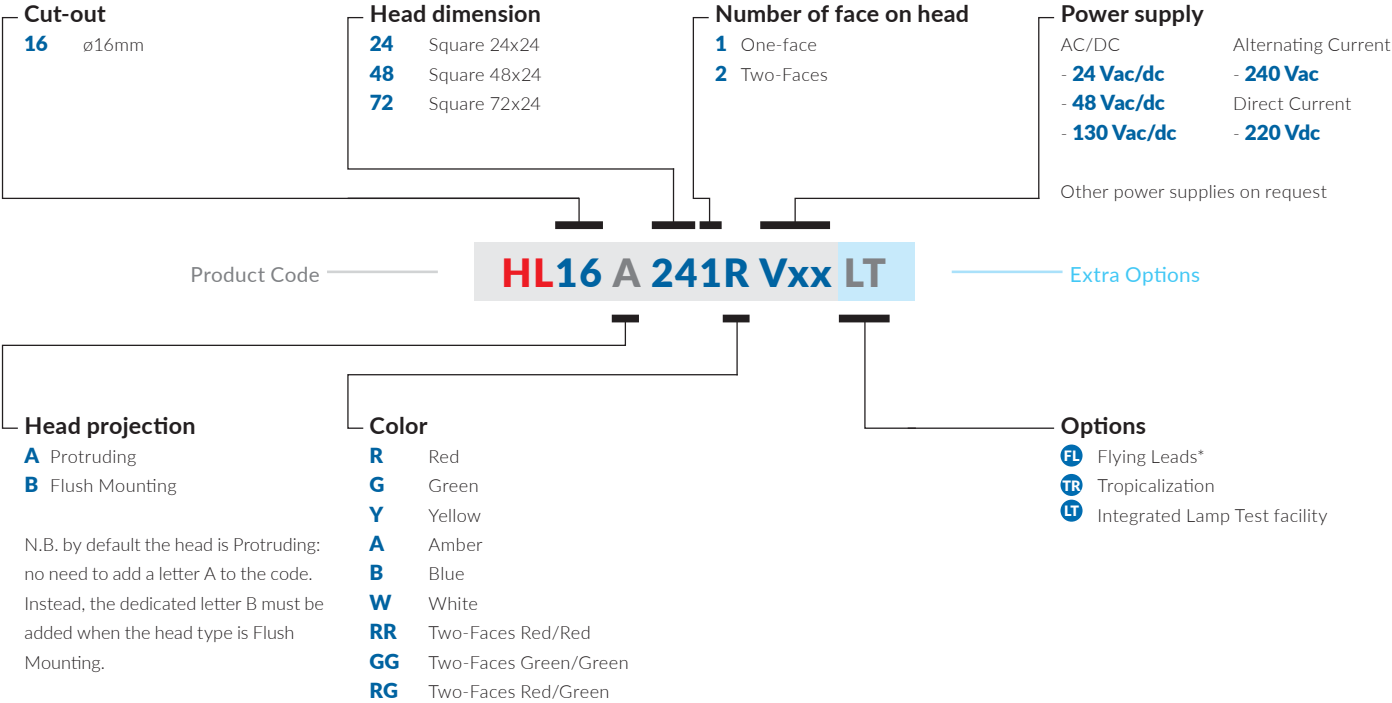


Connections  
**FASTON terminals**  
**FLYING LEADS**

Hole Size  
**ø16mm**

# Series HL - ø16mm

# Coding



## How to change and customize the film for text

**A**  
Cover plate transparent  
Film for text  
Color film  
AmpILED  
Body

**B**

**C**

**D**  
Before: OLD TEXT AND SYMBOL  
After: NEW TEXT AND SYMBOL

The top head AmpILED is composed by a transparent cover plate, an interchangeable film with text and color film.

To change the film with text, gently remove the transparent cover plate with a screwdriver.

Replace the old film with another one. Please check the film dimensions on the Dimension and Wiring chapter on page 133

The film is fully customizable with texts or symbols.

Please see product range section for the feasibility. Special version on request.

\* Please contact our sales office to define details.



# Series HL - Ø16mm

## Product range



**HL16 24 A type**  
 Protruding  
 Head 24x24mm  
 Cut-out Ø16mm  
 Weight 12g



**HL16 24 B type**  
 Flush Mounting  
 Head 27x27mm  
 Cut-out 24x24mm  
 Weight 14g



### Standard type



● Red	HL16 241R Vxx	HL16B 241R Vxx
● Green	HL16 241G Vxx	HL16B 241G Vxx
● Yellow	HL16 241Y Vxx	HL16B 241Y Vxx
● Amber	HL16 241A Vxx	HL16B 241A Vxx
● Blue	HL16 241B Vxx	HL16B 241B Vxx
○ White	HL16 241W Vxx	HL16B 241W Vxx

(FL) (TR) (LT)

### Two-Faces



a Red b Red	HL16 242RR Vxx	HL16B 242RR Vxx
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(FL) (TR)



a Green b Green	HL16 242GG Vxx	HL16B 242GG Vxx
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(FL) (TR)



a Red b Green	HL16 242RG Vxx	HL16B 242RG Vxx
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(FL) (TR)

Series HL -  $\varnothing 16\text{mm}$ 

## Product range



**HL16 48 A type**  
Protruding  
Head 24x48mm  
Cut-out  $\varnothing 16\text{mm}$   
Weight 18g



**HL16 48 B type**  
Flush Mounting  
Head 27x51mm  
Cut-out 24x48 mm  
Weight 21g



## Standard type



- Red
- Green
- Yellow
- Amber
- Blue
- White

HL16 481R Vxx  
HL16 481G Vxx  
HL16 481Y Vxx  
HL16 481A Vxx  
HL16 481B Vxx  
HL16 481W Vxx

FL TR LT

HL16B 481R Vxx  
HL16B 481G Vxx  
HL16B 481Y Vxx  
HL16B 481A Vxx  
HL16B 481B Vxx  
HL16B 481W Vxx

FL TR LT

## Two-Faces



- a Red
- b Green

HL16 482RG Vxx

FL TR

HL16B 482RG Vxx

FL TR



# Series HL - ø16mm

## Product range



### HD 16 72 A type

Protruding  
Head 24x72mm  
Cut-out ø16mm  
Weight 28g

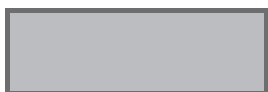


### HD 16 72 B type

Flush Mounting  
Head 27x75mm  
Cut-out 24x72mm  
Weight 30g



### Standard type



- Red
- Green
- Yellow
- Amber
- Blue
- White

- HL16 721R Vxx
- HL16 721G Vxx
- HL16 721Y Vxx
- HL16 721A Vxx
- HL16 721B Vxx
- HL16 721W Vxx

- HL16B 721R Vxx
- HL16B 721G Vxx
- HL16B 721Y Vxx
- HL16B 721A Vxx
- HL16B 721B Vxx
- HL16B 721W Vxx



### Two-Faces



- a Red
- b Green

HL16 722RG Vxx

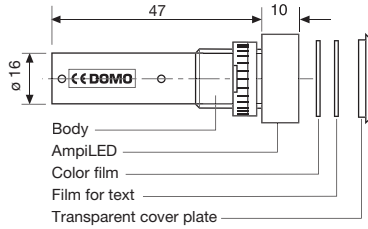
HL16B 722RG Vxx



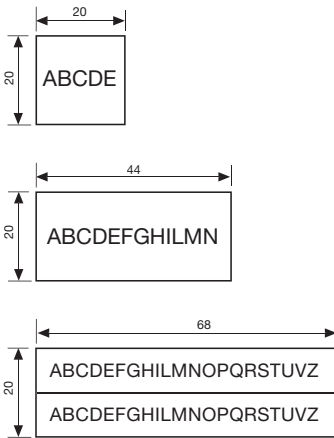
# Series HL - $\varnothing 16\text{mm}$

# Dimensions and wiring

## Customizable film for text

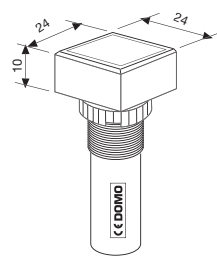


## Writing example

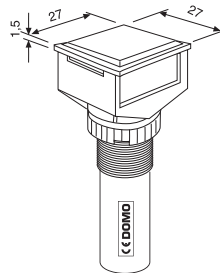


## HL16 24

Dimensions mm 1:2



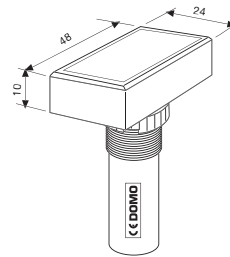
A type  
Protruding



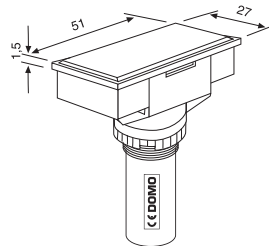
B type  
Flush Mounting

## HL16 48

Dimensions mm 1:2



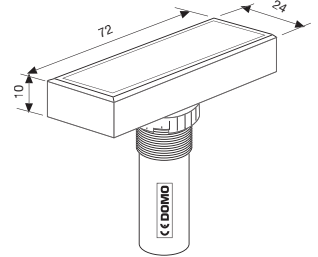
A type  
Protruding



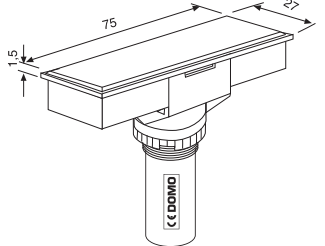
B type  
Flush Mounting

## HL16 72

Dimensions mm 1:2

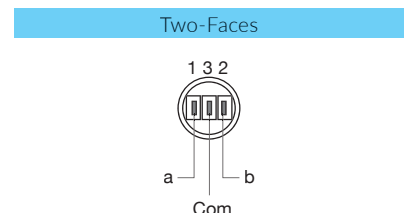
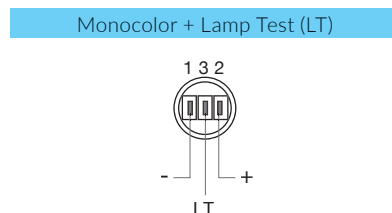
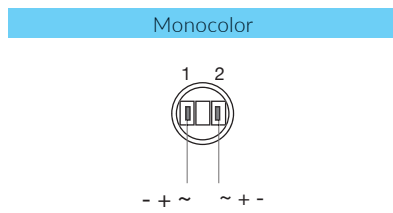


A type  
Protruding

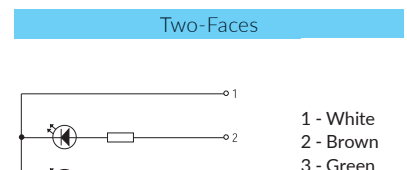
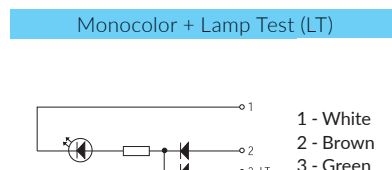
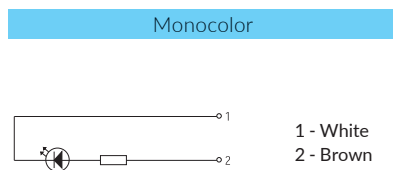


B type  
Flush Mounting

## Faston terminals Tabs 2,8 x 0,8mm



## Flying Leads





## Accessories and spare parts Ø16mm

**Round label holder**  
Weight 1g



SIM16/24 PTR

**Square label holder**  
Weight 1g



SIM16/24 PTS

**Fastener for type B elements**  
Weight 2g



ASB18  
ASB24

**Reducer ring from ø22mm  
to ø16mm**  
Weight 2g



ARF 22/16

**Labels**  
Weight 4g



SIM16/24 TOW

**Protective slides**  
Weight 4g



SIM16/24 VPK

**Tightening wrench**  
Weight 9g



ACK 22/16

**Contact ring filler for Pushbutton  
Switches' central contact**  
Weight 1g



CD16 A3 EC

# Comparative table



Series	SFT	SLT	CR	PI	ML	VEB	PHR	
	Sferical	Sferical	Semaphore	Position	Multiled	Extrabright	Beacon	
Page	12	12	26	26	50	64	74	
<b>Function</b>								
Indicator	•	•	•	•	•	•	•	
Buzzer								
Pushbutton								
double pushbutton								
illuminated pushbutton								
Emergency mushroom								
Keylock switch								
selector switch								
Emergency for safety								
<b>Design</b>								
Protruding	•	•	•	•	•	•	•	
Flushmounting			•	•				
Round	•	•	•	•	•	•	•	
Square			•	•	•			
Rectangular								
<b>Front protection (internal test)</b>								
IP40					•			
IP54	•	•	•	•	•		•	
IP65					•	•		
IP67								
<b>Contact rating</b>								
10A								
5A								
<b>Mounting Cut-out</b>								
Ø8								
Ø12								
Ø16	•		•	•		•	•	
Ø22	•	•	•	•	•	•	•	
<b>Terminal</b>								
Faston 2,8x0,8	•	•	•	•	•	•	•	
Faston 2,8x0,5								
Screw	•	•	•	•	•	•	•	
Push-in (future)	F	F	F	F	F	F	F	
BA9s, Ba7s, E10, MG, BA15d, BA15s, E14								
<b>Marking</b>								
Paint, Engraving, Film insert				•	•			
<b>Option</b>								
Lamp Test (LT)	•	•	•	•	•			
Inbuilt Diode to avoid reverse feeding (PD)	•	•	•	•	•			
Tropicalization (TR)	•	•	•	•	•	•	•	
Double input + double lamp test (2C+2LT)			•					
Low voltage glow protection (LVGP)	F	F	F	F	F	F	F	
RGB color		•						
Compatible for DOMO Mosaic Mimic								
Protruding	•	•	•	•	•	•	•	
Flushmounting			•	•	•			

F = Future

