

Warning lights 2,5 joules



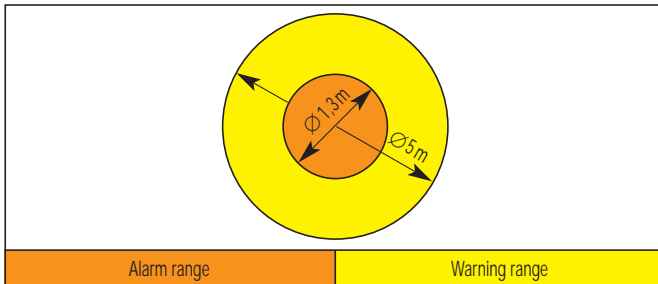
DWBL/DWBS

DWBL/DWBS

Flashing light for direct installation at the workstation. Provides a safer warning without dazzle.

IP 54	+ 55 °C - 30 °C	+ 70 °C - 40 °C	90%
Protective system	Operational temperature	Storage temperature	Relative humidity

Optical data:



Light intensity (DIN 5037):	
clear	7,8 candela
white	6,1 cd
yellow	5,5 cd
amber	4,0 cd
red	1,6 cd
green	5,7 cd
blue	1,5 cd

Flashing sequence:	1 Hz = 60 flashes/min
Service life:	after 8 x 10 ⁶ flashes still 70% light emission
Duty cycle:	100%

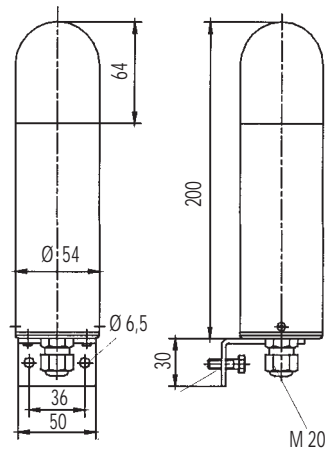
Electrical data: **AC** 50Hz/60Hz

Nominal voltage	Electrical data	DWBL
230V	Voltage range: Rated current:	185V ... 255V 0,018A
110V	Voltage range: Rated current:	90V ... 135V 0,035A
48V	Voltage range: Rated current:	40V ... 54V 0,07A
42V	Voltage range: Rated current:	35V ... 50V 0,08A
24V	Voltage range: Rated current:	20V ... 30V 0,15A

DC

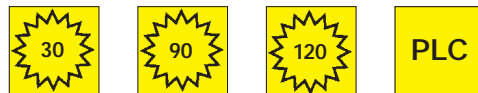
Nominal voltage	Electrical data	DWBS
12V	Voltage range: Rated current: Rated power:	10V ... 15V 0,230A 2,8W
24V	Voltage range: Rated current: Rated power:	18V ... 30V 0,150A 3,6W
48V	Voltage range: Rated current: Rated power:	40V ... 60V 0,085A 4,1W
60V	Voltage range: Rated current: Rated power:	50V ... 72V 0,078A 4,7W
80V	Voltage range: Rated current: Rated power:	64V ... 96V 0,067A 5,3W

Technical data
and dimensions:



Mechanical data:	
Cable gland	M 20
Weight of AC version	270 g
Weight of DC version	300 g
Material globe	Polycarbonate (PC)
Material housing	Aluminium (Al Mg Si 1), yellow
	PCB made of fibre-glass reinforced epoxy resin for thermic and mechanical protection. PCB dip-varnished to protect against moisture. Flash tube fastened with stainless steel clamp to prevent shock and vibration.
Standard:	
Operational temperature	-30 °C ... +55 °C
Storage temperature	-40 °C ... +70 °C
Relative humidity	90%
Protective system	IP 54 (EN 60529 by vertical installation)

Special version:



Accessories:



Approvals:



Sample order:	Model: DWBL	Voltage: 230 VAC	Globe colour: YELLOW	Special version: 120 flashes/min	Accessories: protective cage	Approvals: GL
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Conformity to standard:

The optical properties of flashing lights comply with the European standard DIN EN 842, which is published under the title:
"Machine safety - visual alarm signals".

Requirements of the standard DIN EN 981, published under the title:

"Machine safety - system of acoustic/visual alarm signals and information signals" can be met.

The colour "red" as emergency signal and "yellow" as a warning signal comply with the requirements of IEC 73/DIN EN 60073/VDE 0199, published under the title:

"Coding for display devices and control components using colours and supplementary means".

References to visual alarm devices can be found in the following standards:

EN 60825-1	Radiation safety of laser devices defined by IEC 825 and DIN-VDE 0837
DIN EN 54	Fire alarm systems
DIN 54113-2	Regulations for radiation protection applicable to technical operation of X-ray equipment up to 500 kV