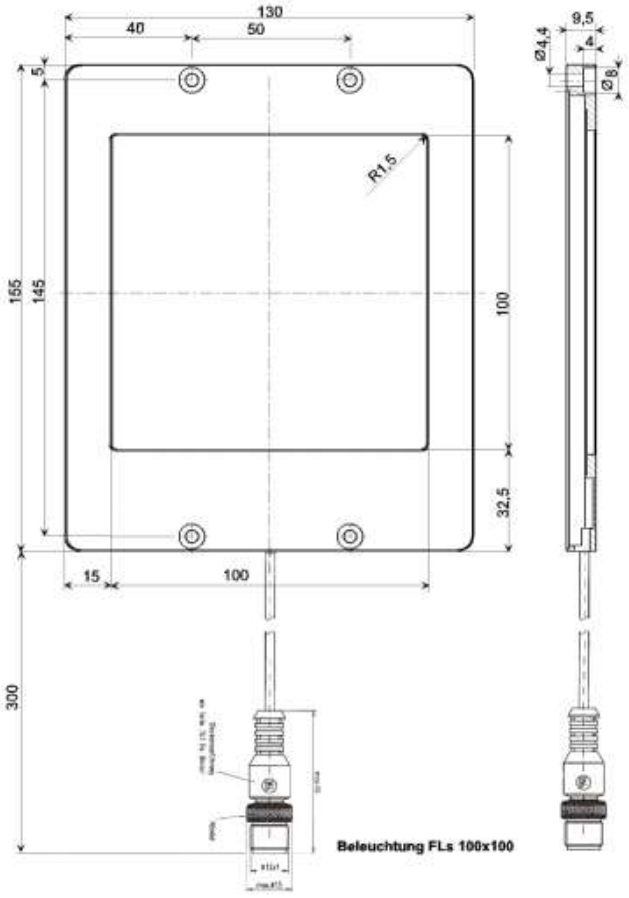
LED Background Light 100 x 100

Small construction height
With trigger input Pin 4

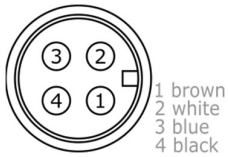


64 LED's RD 617 nm
64 LED's IR 875 nm
64 LED's BL 469 nm
64 LED's WL 5600 K

Transmitted light illumination
Diffuse radiation with diffusing lens
Illuminated field 100 x 100 mm
Aluminium housing black | stainless steel housing
Screw connections for 4 x M4
Luminous and very homogeneous
For IR version Code 10115192
Protection class IP69K (stainless steel)
Status display with LED

Cable black 300 mm permanently connected

Plug connector M12x1 4-pole
+ 24V DC Pin 1
free Pin 2
GND Pin 3
ON/OFF Pin 4



Name	Flat light	Connection	Wavelength	Voltage	Current	Order Number
FLs100x100T R	LED red, diffuse	4pol. plug 300 mm	617 nm	24 V DC	0.4 A	10115160
FLs100x100R T IP69K	LED red, diffuse	4pol. plug 300 mm	617 nm	24 V DC	0.4 A	10115205
FLs100x100T IR	LED ir, diffuse	4pol. plug 300 mm	875 nm	24 V DC	0.5 A	10115154
FLs100x100T IR-A	LED ir, diffuse	4pol. plug 300 mm	875 nm	24 V DC LED	0.5 A	10115192
FLs100x100T IR-IP69K	LED ir, diffuse	4pol. plug 300 mm	875 nm	24 V DC	0.5 A	10115213
FLs100x100T BL	LED blue, diffuse	4pol. plug 300 mm	469 nm	24 V DC	0.7 A	10115210
FLs100x100T WS	LED white, diffuse	4pol. plug 300 mm	5600 K	24 V DC	0.7 A	10115209

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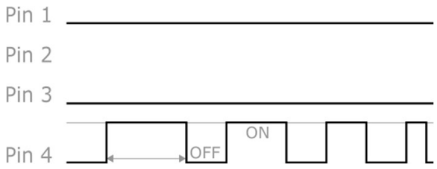
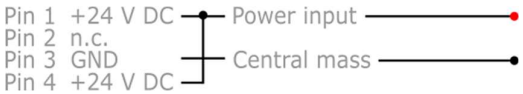
Pin Assignment



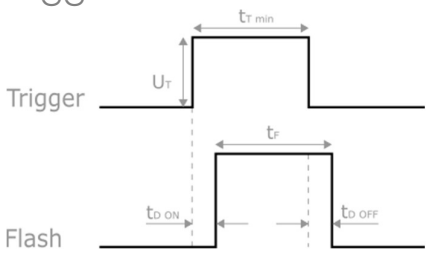
Pin 1	Brown	Power input	+24 V DC/1.4 A
Pin 2	White		
Pin 3	Blue	Central mass	
Pin 4	Black	ON H-level	+5 … 24 V DC/1 mA 0 … + 3 V DC

Trigger

Application without trigger



Trigger



Trigger time variable

$t_{D\,ON}$	Delay time at 5 V DC	750	ns
$t_{D\,OFF}$	Delay time at 5 V DC		
t_F	Flash time	1 - ∞	µs
$t_{T\,min}$	Minimal Trigger time	1	µs
U_T	Trigger Voltage	5…24	V DC

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