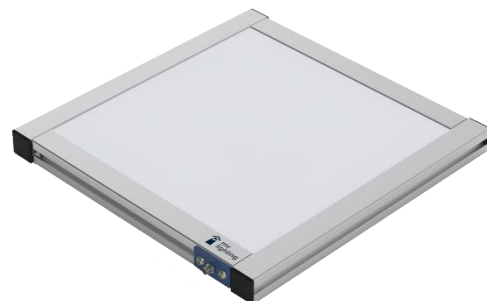


PRODUCT HIGHLIGHTS

- ✓ High uniformity
- ✓ High intensity
- ✓ Reverse polarity protection
- ✓ Diffuse direct light

Options:

- ~ No driver, no trigger, no dimmer
- ~ Built-in trigger
- ~ Built-in driver + Trigger + PWM dimmer
- ~ Built-in driver + Trigger + Analog dimmer



GENERAL SPECIFICATIONS

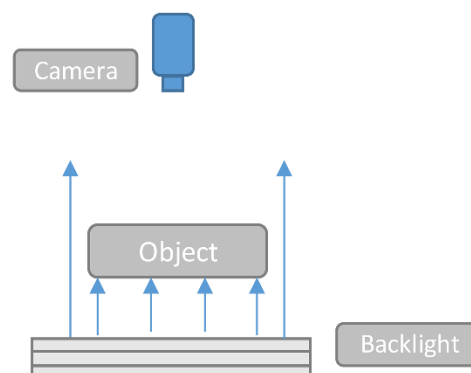
Specifications	BKL2020	BKL2030	BKL3030	BKL3040	BKL4040
Power supply [Vdc]	24				
Max. current [Amp] (White)	2.3	2.9	3.4	4.3	4.6
Connector	M12 4-pin				
Size [mm]	260x260x30	260x360x30	360x360x30	360x460x30	460x460x30
Light window area [mm]	200x200	200x300	300x300	300x400	400x400
Working temperature [°C]	0-50	0-50	0-50	0-50	0-50

APPLICATIONS

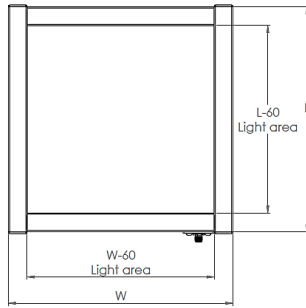
The backlighting is typically used for parts presence/absence, gauging, and orientation/location.

Application examples:

- Contour dimension measurement
- Suitable for Pick & Place / Positioning applications.
- Useful on translucent materials: liquid fill levels, glass/plastic cracks



MECHANICAL SPECIFICATIONS

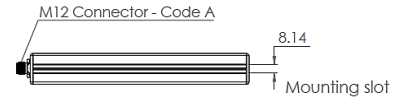


TOP VIEW



SIDE VIEW

Model	L	W
BKL2020	260	260
BKL2030	260	360
BKL3030	360	360
BLL3040	360	460
BKL4040	460	460



FRONT VIEW

Dimensions are in millimeters

PART NUMBER KEY

BKL - -

SIZE **COLOR** **DRIVER**

2020=200x200 mm
2030=200x300 mm
3030=300x300 mm
3040=300x400 mm
4040=400x400 mm

W57 **625**
530 **470**

N = No driver
T = Built-in trigger
R = Built-in driver & trigger & PWM dimmer
D = Built-in driver & trigger & Analog dimmer

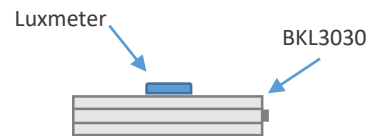
Part Number Example:

BKL3030-625-N (backlighting, 300x300 mm, Red, no driver)

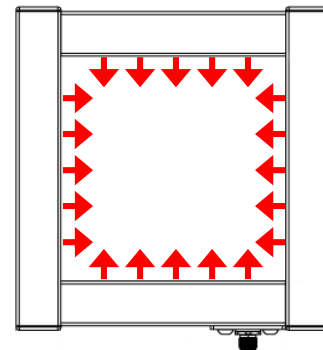
BKL2030-W57-R (backlighting, 200x300 mm, White, Built-in driver & trigger & PWM dimmer)

LIGHT PATTERNS

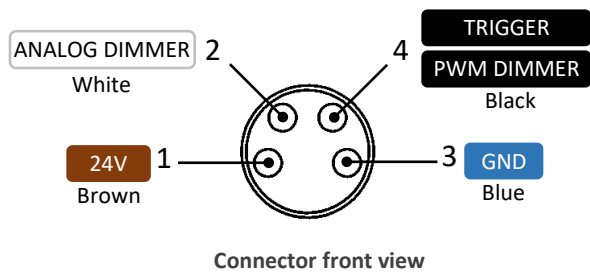
DISTANCE	ILLUMINATION (Lux)
Surface	42000
Measurement taken on white light	



The BKL is edge lit, which means the light comes from each of the four edges. This produces a very homogeneous light output.



WIRING INFORMATION



PIN	FUNCTION	WIRE COLOR
1	24 V	Brown
2	DIMMER *	White
3	GND	Blue
4	TRIGGER * PWM DIMMER *	Black

* Optional functions

**Compatible with A-coded M12-4p and M12-5p female connector cables

MOUNTING

MV Lighting recommends the **Drop-in T-nuts** for channel 8 to mount a BKL backlight.



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The design and specifications of this product are subject to change without notification for product improvement

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