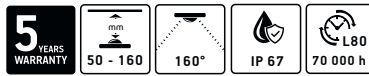


# CHALLENGER-1



## ITEM DESCRIPTION

Combining our best know-how and top-of-the-line LEDs, the new, extremely competitive Challenger series is here to challenge the market with unmatched quality at an unbeatable price. It is perfect solution to illuminate from shallow to middle-depth letters and single-sided lightboxes. Because of their sleek design, these modules can easily illuminate smaller letters ranging in depth from 50 to 160 mm. Challenger modules have a lifetime of L80 70 000 h and a 5-year warranty.

Forge a new path for your signage needs with Challengers, where unparalleled quality meets affordability head-on.

## APPLICATION

- Channel letters signs and light boxes
- Recommended depth 50 – 160 mm

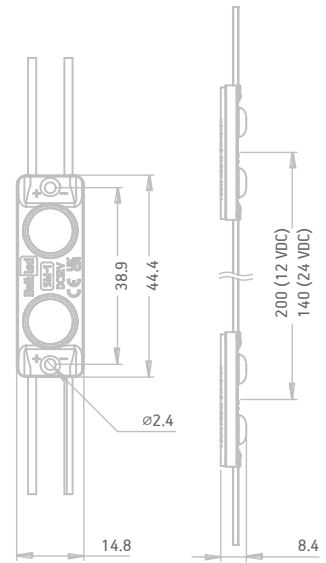
## FEATURES & BENEFITS

- Compact design
- Efficiency up to 125 lm/W
- IP67 protection class
- 5-year warranty

## GENERAL SPECIFICATIONS

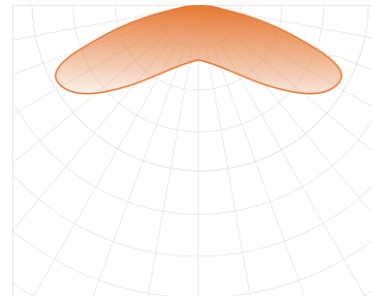
SUPPLY VOLTAGE	12 VDC   24 VDC
POWER	0.5 W   0.75W
RECOMMENDED DEPTH	From 50 to 160 mm
CC DISTANCE	140 mm   200mm
BINNING	3 SDCM
OPERATING TEMPERATURE	-20°C ~ +50°C
STORAGE TEMPERATURE	-30°C ~ +60°C
STORAGE CONDITIONS	Relative humidity <60%
CERTIFICATION	CE, UKCA, RoHS compliant
LIFETIME	L80 70,000 h
IP CLASS	IP 67
WARRANTY	5 years (24/7)*

\*Warranty is applied only and if storage, mounting and maintenance conditions, stated in the installation guide, are followed.



\* Dimensions in millimeters

## LIGHT DISTRIBUTION GRAPH



Beam angle: 160°

## ORDERING INFORMATION

SKU	SUPPLY VOLTAGE	POWER	CC DISTANCE	LUMEN OUTPUT	COLOUR TEMP.
BMP-M1-02UH160CW075	12 VDC	0.75 W	200 mm	92 lm	6500 K
BMP-M1-02UH160NW075		0.75 W	200 mm	90 lm	4000 K
BMP-M1-02UH160WW075		0.75 W	200 mm	86 lm	3000 K
BMP-M1-02UH160R075		0.75 W	200 mm	27 lm	RED
BMP-M1-02UH160G075		0.75 W	200 mm	74 lm	GREEN
BMP-M1-02UH160B075		0.75 W	200 mm	15 lm	BLUE
BMP-M1-02UH160CW050-24V	24 VDC	0.50 W	140 mm	62 lm	6500 K
BMP-M1-02UH160NW050-24V		0.50 W	140 mm	61 lm	4000 K
BMP-M1-02UH160WW050-24V		0.50 W	140 mm	58 lm	3000 K

## PACKAGING INFORMATION

	CHAIN	BAG	BOX
12 VDC	38 pcs	152 pcs	1064 pcs
24 VDC	110 pcs	220 pcs	880 pcs

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www.baltled.com  
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**baltled**  
signage illumination