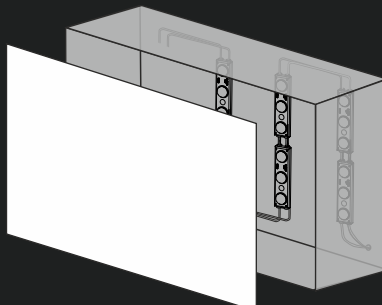
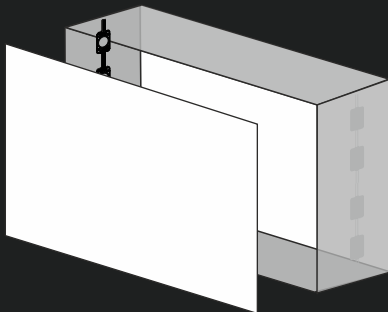


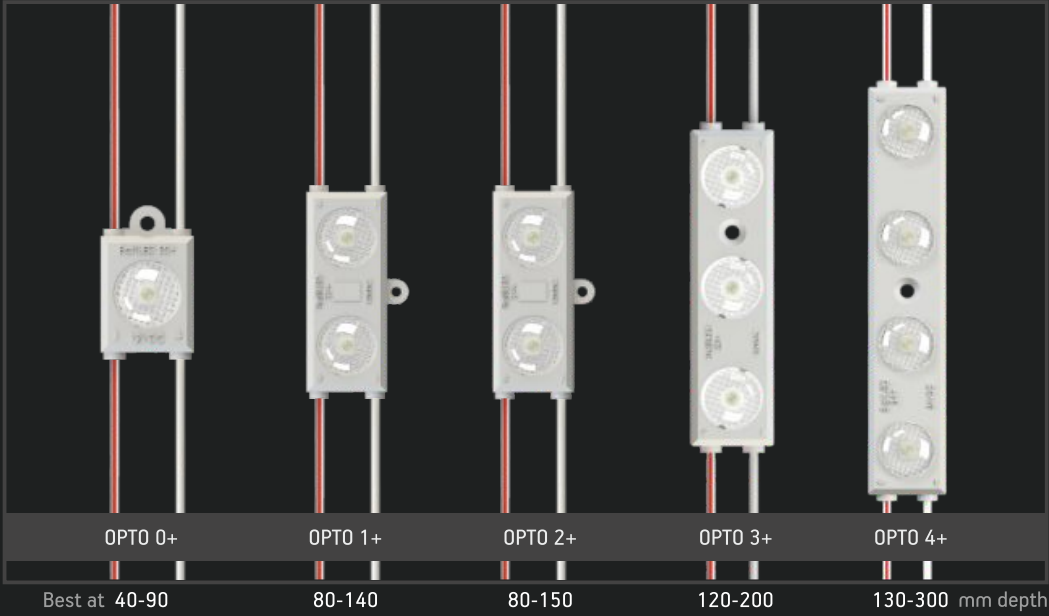
SIGNAGE SOLUTIONS QUICK SELECTION GUIDE

APPLICATION	DEPTH RANGE	VOLTAGE	POWER	BEST FOR YOU	MAX VALUE AT DEPTH PITCH RATIO	BRIGHTNESS	
 SINGLE-SIDED LIGHTBOXES	SHALLOW 50-100 mm	12 V	0.35 W	Chellanger 0	70 mm 1:1.6	1700 lx	
			0.5 W	Opto 0+	80 mm 1:1.6	1100 lx	
			0.75 W	Chellanger 1	90 mm 1:1.6	1600 lx	
			1.2 W	Raptor 1	100 mm 1:2.4	1350 lx	
		24 V	0.2 W	Chellanger 0	70 mm 1:1.6	1700 lx	
			0.5 W	Chellanger 1	80 mm 1:1.6	1100 lx	
			1.0 W	Opto 2+	100 mm 1:2	1700 lx	
			1.2 W	Raptor 1	100 mm 1:2.4	1450 lx	
			48 V	1.2 W	Raptor 1	100 mm 1:2.4	1350 lx
				SEMI-DEEP 100-200 mm	12 V	0.75 W	Chellanger 1
	1.0 W	Opto 1+	120 mm 1:1.7			1000 lx	
	1.0 W	Chellanger 2	130 mm 1:1.6			1200 lx	
	1.2 W	Raptor 1	150 mm 1:1.7			1100 lx	
	1.5 W	Chellanger 3	150 mm 1:1.6			1100 lx	
	1.45 W	Opto 3+	160 mm 1:1.8			1100 lx	
	24 V	2.4 W	Raptor 2		180 mm 1:1.9	1100 lx	
		0.5 W	Chellanger 1		120 mm 1:1.6	1000 lx	
		0.8 W	Chellanger 2		130 mm 1:1.6	1200 lx	
		1.0 W	Opto 2+		140 mm 1:2	1150 lx	
		1.1 W	Chellanger 3		150 mm 1:1.7	1100 lx	
		1.2 W	Raptor 1		150 mm 1:1.7	1100 lx	
		1.8 W	Opto 4+	200 mm 1:2	1100 lx		
		2.4 W	Raptor 2	180 mm 1:1.9	1100 lx		
	48 V	1.2 W	Raptor 1	150 mm 1:1.7	1100 lx		
		2.4 W	Raptor 2	180 mm 1:1.9	1100 lx		
	DEEP from 200 mm	12 V	1.45 W	Opto 3+	200 mm 1:1.7	900 lx	
			1.5 W	Chellanger 3	200 mm 1:1.6	800 lx	
			2.0 W	Chellanger 4	250 mm 1:1.3	900 lx	
			2.4 W	Raptor 2	200 mm 1:1.7	1100 lx	
			3.6 W	Raptor 3	250 mm 1:1.6	950 lx	
		24 V	1.1 W	Chellanger 3	200 mm 1:1.6	800 lx	
			1.4 W	Chellanger 4	250 mm 1:1.3	800 lx	
			1.8 W	Opto 4+	250 mm 1:1.6	900 lx	
			2.4 W	Raptor 2	200 mm 1:1.7	1100 lx	
			3.6 W	Raptor 3	250 mm 1:1.8	950 lx	
		48 V	2.4 W	Raptor 2	200 mm 1:1.7	1100 lx	
			3.6 W	Raptor 3	250 mm 1:1.8	950 lx	

APPLICATION	DEPTH RANGE	VOLTAGE	POWER	BEST FOR YOU	MAX VALUE AT DEPTH PITCH RATIO	BRIGHTNESS
 ILLUMINATED LETTERS	MICRO BLOCK 30-50 mm	12 V	0.15 W	Opto A	30 mm full cable	-
			0.3 W	MINI	40 mm 1:1.6	3000lx - 4000lx
	SHALLOW 50-100 mm	12 V	7.2 W / m²	LineLit ZigZag	30 mm	-
			0.35 W	Chellanger 0	50 mm 1:1.6	2800 lx
			0.5 W	Opto 0+	60 mm 1:1.6	2500 lx
			0.72 W	RGB	Request for calculation	-
			0.75 W	Chellanger 1	80 mm 1:1.7	2100 lx
			1.0 W	Opto 1+	90 mm 1:1.8	1900 lx
			1.2 W	Base 33	80 mm 1:1.6	2200 lx
		24 V	0.2 W	Chellanger 0	50 mm 1:1.6	2700 lx
			0.5 W	Chellanger 1	80 mm 1:1.6	2050 lx
			1.0 W	Opto 2+	100 mm 1:2	1800 lx
			1.0 W	Chellanger 1	120 mm 1:1.6	1000 lx
	SEMI-DEEP 100-200 mm	12 V	1.0 W	Opto 1+	120 mm 1:1.7	1000 lx
			1.0 W	Chellanger 2	130 mm 1:1.6	1200 lx
			1.45 W	Opto 3+	160 mm 1:1.8	1100 lx
			1.5 W	Chellanger 3	150 mm 1:1.6	1100 lx
		24 V	0.5 W	Chellanger 1	120 mm 1:1.6	1000 lx
			0.8 W	Chellanger 2	130 mm 1:1.6	1200 lx
			1.0 W	Opto 2+	140 mm 1:2	1150 lx
			1.1 W	Chellanger 3	150 mm 1:1.7	1100 lx
			1.8 W	Opto 4+	200 mm 1:2	1100 lx
	DEEP from 200 mm	12 V	1.45 W	Opto 3+	200 mm 1:1.7	900 lx
			1.5 W	Chellanger 3	200 mm 1:1.6	800 lx
			2.0 W	Chellanger 4	250 mm 1:1.3	900 lx
		24 V	1.1 W	Chellanger 3	200 mm 1:1.6	800 lx
			1.4 W	Chellanger 4	250 mm 1:1.3	800 lx
			1.8 W	Opto 4+	250 mm 1:1.6	900 lx

APPLICATION		DEPTH RANGE	VOLTAGE	POWER	BEST FOR YOU	MAX VALUE AT DEPTH PITCH RATIO	BRIGHTNESS PLEXIGLASS TEXTILE
DOUBLE-SIDED LIGHTBOXES 	SHALLOW 50-80 mm	12V	1.4 W	Duo 1	70 mm 1:1	2100 lx 1000 lx	
		24 V	12.2 W	EdgeLit Slim	50-60 mm N/A	2500 lx 1100 lx	
	SEMI-DEEP 80-200 mm	12V	1.4 W	Duo 1	120 mm 1:1	1100 lx 500 lx	
		24 V	12.2 W	EdgeLit Slim	80 mm N/A	1600 lx 750 lx	
			3.6 W	Duo 3	140 mm 1:1.2	1500 lx 700 lx	
			30 W	EdgeLit	140 mm N/A	1600 lx 800 lx	
	DEEP from 200 mm	24 V	3.6 W	Duo 3	250 mm 1:1.1	1000 lx 500 lx	
			30 W	EdgeLit	200 mm N/A	1100 lx 600 lx	
		20 W	Retrofit Tube	250 mm N/A	>1600 lx		
ACCENT LIGHTING			24V	10 W / m ²	LineLit	50 mm N/A	

OPTO S+



Best at 40-90 80-140 80-150 120-200 130-300 mm depth



Best at 40-300 depth

	OPTO S0+	OPTO S1+	OPTO S2+	OPTO S3+	OPTO S4+
SUPPLY VOLTAGE	12 VDC	12 VDC	24 VDC	12 VDC	24 VDC
POWER	0.5 W	1.0 W	1.0 W	1.45 W	1.8 W
LUMEN OUTPUT	63 LM	122 LM	160 LM	180 LM	300 LM
QUANTITY chain bag box	60 120 1200	35 70 560	45 90 720	35 105 525	40 80 400

CENTRE-TO-CENTRE DISTANCE*, mm

DEPTH	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	220	250	280	300		
OPTO 0+	80	100	120	140	160	170																	
OPTO 1+						160	180	200	210	230	250	250											
OPTO 2+							150	170	190	200	210	250	290	300									
OPTO 3+										240	260	260	270	270	300	310	330	350					
OPTO 4+												350	350	360	360	370	370	380	380	390	390	400	400

EASY TEAR FINGER-LIFT

5 YEARS WARRANTY

160°

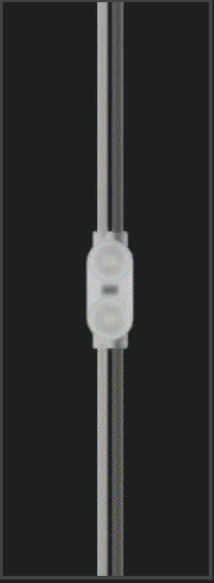
IP 67

RoHS Compliant

UK CA

CE

MINI





Best at 20-60 depth
12 VDC | 0.3 W | 28 LM

50 (chain) | 100 (bag) | 2000 (box)

DEPTH	20	30	40	50	60
20	40	50	70	85	85
40	30	50	70	85	85
60	30	45	60	85	85
80			40	60	85
100				85	85

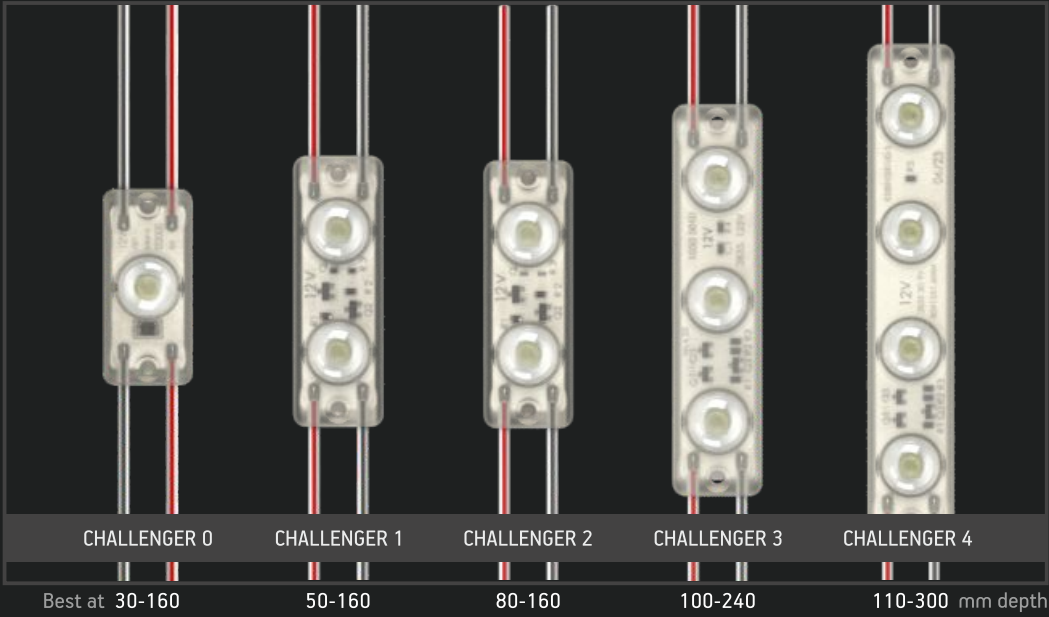
5 YEARS WARRANTY

160°

UK CA

RoHS Compliant

CHALLENGERS



Best at 30-160 50-160 80-160 100-240 110-300 mm depth



Best at 30-300 depth

	CHALLENGER 0		CHALLENGER 1		CHALLENGER 2		CHALLENGER 3		CHALLENGER 4	
SUPPLY VOLTAGE	12 VDC	24 VDC	12 VDC	24 VDC	12 VDC	24 VDC	12 VDC	24 VDC	12 VDC	24 VDC
POWER	0.35 W	0.2 W	0.75 W	0.5 W	1.0 W	0.8 W	1.5 W	1.1 W	2.0 W	1.4 W
LUMEN OUTPUT	47 LM	28 LM	92 LM	62 LM	97 LM	119 LM	174 LM	128 LM	233 LM	166 LM
QUANTITY chain bag box	30 210 1470	80 160 1120	38 152 1064	110 220 880	35 140 980	90 180 820	24 120 840	66 132 792	20 100 700	50 100 600

CENTRE-TO-CENTRE DISTANCE*, mm

DEPTH	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	250	300	
CHALLENGER 0	40	60	90	110	120	130	130	130	130	130	130	130	130	130							
CHALLENGER 1						90	120	140	160	180	190	200	200	200	200						
CHALLENGER 2							160	180	190	200	210	220	230	230							
CHALLENGER 3									200	220	240	260	280	320	340	340	340	340			
CHALLENGER 4											250	280	300	320	340	340	340	340	340	340	340

5 YEARS WARRANTY

160°

IP 67

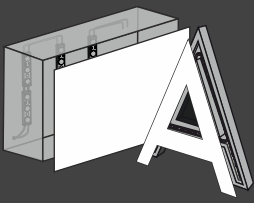
RoHS Compliant

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CE

BASE





Best at 80-150 depth

	BASE
SUPPLY VOLTAGE	12 VDC
POWER	0.72 W 1.2 W
LUMEN OUTPUT	72 LM 138 LM
QUANTITY chain bag box	20 100 1400

5 YEARS WARRANTY

160°

IP 66

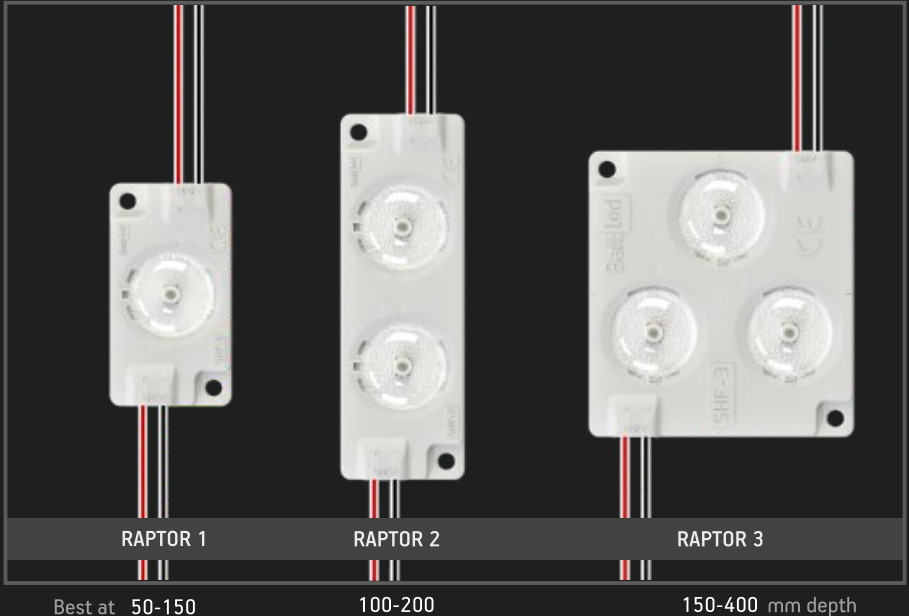
150 mm

CE

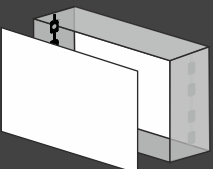
RoHS Compliant

UK CA

RAPTORS



Best at 50-150 100-200 150-400 mm depth



Best at 50-400 depth

	RAPTOR 1		RAPTOR 2		RAPTOR 3	
SUPPLY VOLTAGE	12 VDC	24 VDC	24 VDC	24 VDC	24 VDC	24 VDC
POWER	1.2 W	1.2 W	2.4 W	2.4 W	3.6 W	3.6 W
LUMEN OUTPUT	132 LM	147 LM	275 LM	275 LM	419 LM	419 LM
QUANTITY chain bag box	30 180 1080	60 180 1080	40 80 480	30 60 360	30 60 360	30 60 360

CENTRE-TO-CENTRE DISTANCE*, mm

DEPTH	50	60	70	80	90	100	110	120	130	140	150
RAPTOR 1	120	150	180	210	230	240	240	240	240	240	240
RAPTOR 2	100	110	120	130	140	150	160	170	180	190	200
RAPTOR 3	240	240	250	260	280	310	330	340	350	350	350
RAPTOR3	150	160	170	180	190	200	250	300	350	400	
RAPTOR3	360	400	400	440	450	450	450	450	450	450	450

EASY TEAR FINGER-LIFT

5 YEARS WARRANTY

IP 66

176°

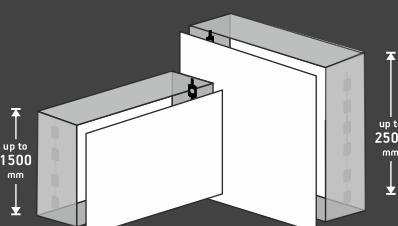
RoHS Compliant

UK CA

CE

DUO





Best at 80-160 140-400 depth

	DUO W1	DUO W3
SUPPLY VOLTAGE	12 VDC	24 VDC
POWER	1.4 W	3.6 W
LUMEN OUTPUT	130 LM	300 LM
QUANTITY chain bag box	30 90 630	10 20 160

5 YEARS WARRANTY

DUO 1 18x50°

DUO 3 15x45°

IP 66

CE

RoHS Compliant

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*Distances provided are based on testing in a lightbox with PLEXIGLAS® XT White WN770 GT, Translucency 30.0%. These are only recommendations and may vary based on application, cover material and other factors. For precise project calculation please contact us at projects@baltled.com