



STELLAR LIGHTING

www.stellarlighting.co.uk

Fibre optic lighting

Product Catalogue








Light engines

Model	Voltage	Light specs	Connector port Ø (mm)	Max fibre at 0.75 mm Ø	Size (mm) L x W x H	Remote controller	Special feature
MK-12 RGBW							
							
Main features:		<ul style="list-style-type: none"> • RGBW colours • 28-key RF remote controller • Adjustable speed and brightness • Dynamic mode: colour flash, fade, jump, breath • Static mode: red, orange, yellow, green, blue, white • DIY colours 					
MK-16 RGBW-T							
							
Main features:		<ul style="list-style-type: none"> • RGBW colours • Twinkle wheel • Touch remote • Bluetooth app control • Adjustable speed and brightness • 20 colour changing programs 					
MK-27 RGBW-T							
							
Main features:		<ul style="list-style-type: none"> • RGBW colours • Twinkle wheel • Touch remote • Bluetooth app control • Adjustable speed and brightness • 20 colour changing programs 					
MK-45 RGB							
							
Main features:		<ul style="list-style-type: none"> • RGB colours • 28-key remote • Bluetooth app control • Adjustable speed and brightness • 20 colour changing programs 					
MK-50 RGBW-T							
							
Main features:		<ul style="list-style-type: none"> • RGBW colours • Twinkle wheel • Touch remote • Bluetooth app control • Adjustable speed and brightness • 20 colour changing programs 					
MK-12 RGBW	12V DC	12W (RGBW)	20	550	115 x 80 x 37	28-key remote	Music rhythm sync mode
MK-16 RGBW-T	12V DC	16W (RGBW)	20	550	110 x 110 x 80	Touch remote	Twinkle wheel, Bluetooth app
MK-27 RGBW-T	24V DC	27W (RGBW)	29	1100	150 x 150 x 80	Touch remote	Twinkle wheel, Bluetooth app
MK-45 RGB	86-235V AC	45W (RGB)	29	1100	243 x 150 x 75	28-key remote	
MK-50 RGBW-T	DC 24V	50W (RGBW)	29	1100	150 x 150 x 80	Touch remote	Twinkle wheel, Bluetooth app







Light engines

MK-50 RGBW-T DMX	Main features:
	<ul style="list-style-type: none"> • RGBW colours • Twinkle wheel • 15-key remote • DMX function (XLR connector) • Adjustable speed and brightness • 14 programs
MK-100 RGBW-T DMX	Main features:
	<ul style="list-style-type: none"> • RGBW colours • Twinkle wheel • 15-key remote • DMX function (XLR connector) • Adjustable speed and brightness • 14 programs
MK-150 RGBW-T DMX	Main features:
	<ul style="list-style-type: none"> • RGBW colours • Twinkle wheel • 15-key remote • DMX function (XLR connector) • Adjustable speed and brightness • 14 programs

Model	Voltage	Light specs	Connector port Ø (mm)	Max fibre at 0.75 mm Ø	Size (mm) L x W x H	Remote controller	Special feature
MK-50 RGBW-T DMX	AC 86 – 230V	48W (RGBW)	30	1250	270 x 264 x 135	15-key remote	Twinkle wheel, DMX function
MK-50 RGBW-T DMX	AC 86 – 230V	96W (RGBW)	30	1250	270 x 264 x 135	15-key remote	Twinkle wheel, DMX function
MK-50 RGB-T DMX	AC 86 – 230V	144W (RGB)	30	1250	270 x 264 x 135	15-key remote	Twinkle wheel, DMX function








Light engines

LEK-431 APP	Main features:
	<ul style="list-style-type: none"> • RGBW colours • Twinkle wheel • 28-key remote • Bluetooth app control • CREE LED chip • Adjustable speed and brightness • 20 colour changing programmes • Music sync mode
LEK-431 DMX	Main features:
	<ul style="list-style-type: none"> • RGBW colours • Twinkle wheel • 28-key remote • DMX function (XLR connector) • CREE LED chip • Adjustable speed and brightness • 4 colour changing programmes • Custom colour mixing
LEK-432 APP	Main features:
	<ul style="list-style-type: none"> • RGBW colours • Twinkle wheel • 28-key remote • Bluetooth app control • CREE LED chip • Adjustable speed and brightness • 20 colour changing programmes • Music sync mode
LEK-432 DMX	Main features:
	<ul style="list-style-type: none"> • RGBW colours • Twinkle wheel • 28-key remote • DMX function (XLR connector) • CREE LED chip • Adjustable speed and brightness • 4 colour changing programmes • Custom colour mixing

Model	Voltage	Light specs	Connector port Ø (mm)	Max fibre at 0.75 mm Ø	Size (mm) L x W x H	Remote controller	Special feature
LEK-431-APP	DC 12V	13W (RGBW LED CREE chip)	18	400	126 x 125 x 88	28-key remote	Twinkle wheel, Bluetooth app control, music sync
LEK-431-DMX	DC 12V	12W (RGBW LED CREE chip)	18	400	126 x 125 x 88	28-key remote	Twinkle wheel, DMX function
LEK-432-APP	DC 12V	25W (RGBW LED CREE chip)	2 x 18	2 x 400	126 x 125 x 88	28-key remote	Twinkle wheel, Bluetooth app control, music sync
LEK-432-DMX	DC 12V	24W (RGBW LED CREE chip)	2 x 18	2 x 400	126 x 125 x 88	28-key remote	Twinkle wheel, DMX function





Light engines

LEI-4001	Main features:	
	<ul style="list-style-type: none"> • White light engine • Twinkle wheel • 4-key remote 	<ul style="list-style-type: none"> • CREE LED chip • Adjustable speed and brightness • 8 programs
LEI-4001 DMX	Main features:	
	<ul style="list-style-type: none"> • White light engine • Twinkle wheel • 15-key remote • DMX function 	<ul style="list-style-type: none"> • DMX connector type: XLR • CREE LED chip • Adjustable speed and brightness • 14 programs
LEI-4001 WP	Main features:	
	<ul style="list-style-type: none"> • White light engine • Twinkle wheel • 4-key remote • IP43 	<ul style="list-style-type: none"> • CREE LED chip • Adjustable speed and brightness • 8 programs
LEI-8001	Main features:	
	<ul style="list-style-type: none"> • White light engine • Twinkle wheel • 4-key remote 	<ul style="list-style-type: none"> • CREE LED chip • Adjustable speed and brightness • 8 programs
LEI-8001 DMX	Main features:	
	<ul style="list-style-type: none"> • White light engine • Twinkle wheel • 15-key remote • DMX function 	<ul style="list-style-type: none"> • DMX connector type: XLR • CREE LED chip • Adjustable speed and brightness • 14 programs

Model	Voltage	Light specs	Connector port Ø (mm)	Max fibre at 0.75 mm Ø	Size (mm) L x W x H	Remote controller	Special feature
LEI-4001	110/230V	40W (white CREE LED)	30	1250	270 x 264 x 135	4-key remote	Twinkle wheel
LEI-4001-DMX	110/230V	40W (white CREE LED)	30	1250	270 x 264 x 135	15-key remote	Twinkle wheel, DMX function
LEI-4001-WP	110/230V	40W (white CREE LED)	30	1250	270 x 264 x 135	4-key remote	Twinkle wheel, IP43 rating
LEI-8001	110/230V	80W (white CREE LED)	30	1250	270 x 264 x 135	4-key remote	Twinkle wheel
LEI-8001-DMX	110/230V	80W (white CREE LED)	30	1250	270 x 264 x 135	15-key remote	Twinkle wheel, DMX



Light engines

LLE-003	Main features:
	<ul style="list-style-type: none"> White light engine Twinkle wheel (6-colour & 6-colour-twinkle wheels optional) 4-key remote CREE LED chip Adjustable speed and brightness 7 programs
LMK-501	Main features:
	<ul style="list-style-type: none"> LMK-501 light engine White light with CREE LED chip 4-key remote Adjustable speed and brightness 3 x wheel (twinkle, colour, colour-twinkle) 1.5 mm diameter, end-emitting fibre optic cable with black PVC jacket (outer diameter: 3.5 mm) 60 fibres: 20 x 2 m + 20 x 3 m + 20 x 4 m or 20 x 6 m + 20 x 8 m + 20 x 10 m

Model	Voltage	Light specs	Connector port Ø (mm)	Max fibre at 0.75 mm Ø	Size (mm) L x W x H	Remote controller	Special feature
LLE-003	DC 12V	8W (white CREE LED)	18	400	146 x 84 x 69	4-key remote	Twinkle wheel
LMK-501	DC 12V	7W (white CREE LED)	18	400	125 x 126 x 88	4-key remote	Twinkle wheel



Fibre optic kits

MK-C6W2 RGB	Main features:	
	<ul style="list-style-type: none"> • LLE-006 light engine • RGB colour • Touch remote • Adjustable speed and brightness • 11 colour changing programs • 200 x 2m fibres: 160 x 0.75mm, 40 x 1.0mm at 2 m 	
LSS-120	Main features:	
	<ul style="list-style-type: none"> • LLE-003 light engine • White light engine with CREE LED chip • 7 colour changing programs • Adjustable speed and brightness • 4-key remote • Twinkle wheel (6-colour & 6-colour-twinkle wheels optional) • 120 x 2m fibres: 60 x 0.75mm, 60 x 1.0mm 	
HSS-288	Main features:	
	<ul style="list-style-type: none"> • LLE-003 light engine • White light engine with CREE LED chip • 7 colour changing programs • Adjustable speed and brightness • 4-key remote • Twinkle wheel (6-colour & 6-colour-twinkle wheels optional) • 288 x 4m/6m fibres: 200 x 0.75mm, 80 x 1.0mm x 8 x 1.5mm 	
SS-300	Main features:	
	<ul style="list-style-type: none"> • LEN-5010-DMX light engine • White light • 24-key remote • 20 programs • Shooting star effect • 10 x DMX output channels • 300 x 2m fibres x 0.75mm 	

Model	Voltage	Light specs	Connector port Ø (mm)	Fibre optic bundle	Size (mm) L x W x H	Remote controller	Special feature
MK-C6W2 RGB	DC 12V	6W RGB	14	200 x 2m: 160 x 0.75mm, 40 x 1mm	135 x 36 x 36	Touch remote	Touch remote with colour wheel
LSS-120	DC 12V	8W (white CREE LED)	18	120 x 2m: 60 x 0.75mm x 60 x 1mm	146 x 84 x 69	4-key remote	Twinkle wheel,
HSS-288	DC 12V	8W (white CREE LED)	18	288 x 4m/6m: 200 x 0.75mm x 80 x 1mm x 8 x 1.5mm	270 x 264 x 135	4-key remote	Twinkle wheel, car adapter
SS-300	12V DC	5W (10 x 0.5W)	10 x 8	300 x 2m: 300 x 0.75	155 x 93 x 32	24-key remote	Shooting star, DMX function









Optical fibre reels

MF-0.75	Main features:	
	<ul style="list-style-type: none"> • PMMA end-glow fibre • 0.75 mm outer diameter • 2700 m / reel 	<ul style="list-style-type: none"> • Typical attenuation: 0.25 dB/m • Min. bending radius: 4.5mm • Working temperature: -20°C – 70°C
MF-1.0	Main features:	
	<ul style="list-style-type: none"> • PMMA end-glow fibre • 1.0 mm outer diameter • 1500 m / reel 	<ul style="list-style-type: none"> • Typical attenuation: 0.25 dB/m • Min. bending radius: 6 mm • Working temperature: -20°C – 70°C
MF-1.5	Main features:	
	<ul style="list-style-type: none"> • PMMA end-glow fibre • 1.5 mm outer diameter • 700 m / reel 	<ul style="list-style-type: none"> • Typical attenuation: 0.25 dB/m • Min. bending radius: 9 mm • Working temperature: -20°C – 70°C
SSOF-1x0.75	Main features:	
	<ul style="list-style-type: none"> • PMMA side-glow fibre • 0.75 mm outer diameter • 2700 m / reel 	<ul style="list-style-type: none"> • Typical attenuation: 0.25 dB/m • Min. bending radius: 7.2 mm • Working temperature: -20°C – 70°C

Model	Fibre Ø (mm)	Glow type	Length (m)	Minimum bending radius (mm)	Typical attenuation
MF-0.75	0.75	End-glow	2700	4.5	0.25 dB/m
MF-1.0	1	End-glow	1500	6	0.25 dB/m
MF-1.5	1.5	End-glow	700	9	0.25 dB/m
SSOF-1x0.75	0.75	Side-glow	2700	7.2	0.25 dB/m





Optical fibre bundles – 18 mm Ø

B-18-60-M	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 60 • Bundle connector Ø: 18 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • 25 mm diameter fibres • Mixed length fibres (2 m / 3 m / 4 m)
B-18-60-L	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 60 • Bundle connector Ø: 18 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • 25 mm diameter fibres • Mixed length fibres (1.6 m / 6 m / 8 m / 10 m)
B-18-330	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 330 • Bundle connector Ø: 18 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.1 m / 1.6 m / 2.1 m / 2.6 m / 3.1m)
B-18-330-M	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 330 • Bundle connector Ø: 18 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.6 m / 2.1 m / 2.6 m / 3.1 m / 3.6m)
B-18-330-L	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 330 • Bundle connector Ø: 18 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (4 m / 5.5 m / 7 m / 8.5 m / 10 m)
B-18-330-4m	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 330 • Bundle connector Ø: 18 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm-248 / 1.0mm - 66 / 1.5mm - 16) • 4m length fibres



Optical fibre bundles – 18 mm Ø

B-18-400-0.75	Main features:
	<ul style="list-style-type: none"> • Total number of fibres: 400 • Bundle connector Ø: 18 mm (included) • PMMA end-glow fibre • 0.75 mm diameter fibres • Mixed length fibres (1.1 m / 1.6m / 2.1m / 2.6m / 3.1m)
B-18-105-N-0.75-7m	Main features:
	<ul style="list-style-type: none"> • Total number of fibres: 105 • Bundle connector Ø: 18 mm (included) • PMMA side-glow fibre optic net • 0.75 mm diameter fibres • 7 m length fibres

Outdoor fibre optic bundles (fibres covered with PVC jacket – overall diameter: 2.5 mm)

Model	Port Ø (mm)	Total number of fibres	Fibre count per length at 0.75 mm Ø	Fibre count per length at 1.0 mm Ø	Fibre count per length at 1.5 mm Ø	Minimum bending radius (mm)	Glow type
B-18-60-M	18	60	0 pcs	0 pcs	2m: 20pcs 3m: 20pcs 4m: 20pcs	25 mm	End-glow
B-18-60-L	18	60	0 pcs	0 pcs	6m: 20pcs 8m: 20pcs 10m: 20pcs	25 mm	End-glow



Optical fibre bundles – 18 mm Ø





Model	Port Ø (mm)	Total number of fibres	Fibre count per length at 0.75 mm Ø	Fibre count per length at 1.0 mm Ø	Fibre count per length at 1.5 mm Ø	Minimum bending radius (mm)	Glow type
B-18-330	18	330	1.1m: 56pcs 1.6m: 56pcs 2.1m: 56pcs 2.6m: 56pcs 3.1m: 56pcs	1.1m: 8pcs 1.6m: 8pcs 2.1m: 8pcs 2.6m: 8pcs 3.1m: 8pcs	1.1m: 2pcs 1.6m: 2pcs 2.1m: 2pcs 2.6m: 2pcs 3.1m: 2pcs	0.75 mm: 4.5 1.0 mm: 6 1.5 mm: 9	End-glow
B-18-330-M	18	330	1.6m: 45pcs 2.1m: 45pcs 2.6m: 83pcs 3.1m: 60pcs 3.6m: 15pcs	1.6m: 12pcs 2.1m: 12pcs 2.6m: 22pcs 3.1m: 16pcs 3.6m: 4pcs	1.6m: 3pcs 2.1m: 3pcs 2.6m: 5pcs 3.1m: 4pcs 3.6m: 1pcs	0.75 mm: 4.5 1.0 mm: 6 1.5 mm: 9	End-glow
B-18-330-L	18	330	4.0m: 56pcs 5.5m: 56pcs 7.0m: 56pcs 8.5m: 56pcs 10m: 56pcs	4.0m: 8pcs 5.5m: 8pcs 7.0m: 8pcs 8.5m: 8pcs 10m: 8pcs	4.0m: 2pcs 5.5m: 2pcs 7.0m: 2pcs 8.5m: 2pcs 10m: 2pcs	0.75 mm: 4.5 1.0 mm: 6 1.5 mm: 9	End-glow
B-18-330-4m	18	330	4m: 248	4m: 66	4m: 16		End-glow
B-18-400-0.75	18	400	1.1m: 80pcs 1.6m: 80pcs 2.1m: 80pcs 2.6m: 80pcs 3.1m: 80pcs	-	-	0.75 mm: 4.5 1.0 mm: 6 1.5 mm: 9	End-glow
B-18-105-N-0.75-7m	18	105	7m: 105	-	-		End-glow

Compatible light

Model	Voltage	Light specs	Connector port Ø (mm)	Max fibre at 0.75 mm Ø	Size (mm) L x W x H	Remote controller	Special feature
LEK-431-APP	DC 12V	12W (RGBW LED CREE chip)	18	400	126 x 126 x 88	28-key remote	Twinkle wheel,
LEK-431-DMX	DC 12V	12W (RGBW LED CREE chip)	18	400	126 x 126 x 88	28-key remote	Twinkle wheel, DMX function
LEK-432-APP	DC 12V	24W (RGBW LED CREE chip)	2 x 18	2 x 400	126 x 126 x 88	28-key remote	Twinkle wheel, DMX function
LEK-432-DMX	DC 12V	24W (RGBW LED CREE chip)	2 x 18	2 x 400	126 x 126 x 88	28-key remote	Twinkle wheel, DMX function



Optical fibre bundles – 20 mm Ø

B-20-200	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 200 • Bundle connector Ø: 20 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.1 m / 1.6 m / 2.1 m / 2.6 m / 3.1 m)
B-20-200-M	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 200 • Bundle connector Ø: 20 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.6 m / 2.1 m / 2.6 m / 3.1 m / 3.6 m)
B-20-200-2m	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 200 • Bundle connector Ø: 20 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm - 150pcs / 1.0 mm - 40pcs / 1.5 mm - 10pcs) • 2m length fibres
B-20-200-4m	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 200 • Bundle connector Ø: 20 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed Mixed diameter fibres (0.75 mm - 150pcs / 1.0 mm - 40pcs / 1.5 mm - 10pcs) • 4m length fibres



Optical fibre bundles – 20 mm Ø

B-20-400-4m	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 400 • Bundle connector Ø: 20 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm - 300 / 1.0 mm - 80 / 1.5 mm - 20) • 4 m length fibres
B-20-400-8m	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 400 • Bundle connector Ø: 20 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm - 300 / 1.0 mm - 80 / 1.5 mm - 20) • 8m length fibres
B-20-400	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 400 • Bundle connector Ø: 20 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.1 m / 1.6 m / 2.1 m / 2.6 m / 3.1 m)
B-20-400-M	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 400 • Bundle connector Ø: 20 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.6 m / 2.1 m / 2.6 m / 3.1 m / 3.6 m)
B-20-550-M-0.75	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 550 • Bundle connector Ø: 20 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • 0.75 mm diameter fibres • Mixed length fibres (1.6 m / 2.1 m / 2.6 m / 3.1 m / 3.6 m)



Optical fibre bundles – 20 mm Ø







Model	Port Ø (mm)	Total number of fibres	Fibre count per length at 0.75 mm Ø	Fibre count per length at 1.0 mm Ø	Fibre count per length at 1.5 mm Ø	Minimum bending radius (mm)	Glow type
B-20-200	20	200	1.1m: 30pcs 1.6m: 30pcs 2.1m: 30pcs 2.6m: 30pcs 3.1m: 30pcs	1.1m: 8pcs 1.6m: 8pcs 2.1m: 8pcs 2.6m: 8pcs 3.1m: 8pcs	1.1m: 2pcs 1.6m: 2pcs 2.1m: 2pcs 2.6m: 2pcs 3.1m: 2pcs	0.75 mm: 4.5 1.0 mm: 6 1.5 mm: 9	End-glow
B-20-200-M	20	200	1.6m: 30pcs 2.1m: 30pcs 2.6m: 30pcs 3.1m: 30pcs 3.6m: 30pcs	1.6m: 8pcs 2.1m: 8pcs 2.6m: 8pcs 3.1m: 8pcs 3.6m: 8pcs	1.6m: 2pcs 2.1m: 2pcs 2.6m: 2pcs 3.1m: 2pcs 3.6m: 2pcs		End-glow
B-20-400	20	400	1.1m: 60pcs 1.6m: 60pcs 2.1m: 60pcs 2.6m: 60pcs 3.1m: 60pcs	1.1m: 16pcs 1.6m: 16pcs 2.1m: 16pcs 2.6m: 16pcs 3.1m: 16pcs	1.1m: 4pcs 1.6m: 4pcs 2.1m: 4pcs 2.6m: 4pcs 3.1m: 4pcs		End-glow
B-20-400-M	20	400	1.6m: 60pcs 2.1m: 60pcs 2.6m: 60pcs 3.1m: 60pcs 3.6m: 60pcs	1.6m: 16pcs 2.1m: 16pcs 2.6m: 16pcs 3.1m: 16pcs 3.6m: 16pcs	1.6m: 4pcs 2.1m: 4pcs 2.6m: 4pcs 3.1m: 4pcs 3.6m: 4pcs		End-glow
B-20-550-M-0.75	20	550	1.6m: 110pcs 2.1m: 110pcs 2.6m: 110pcs 3.1m: 110pcs 3.6m: 110pcs				End-glow
B-20-200-2m	20	200	150pcs	40pcs	10pcs		2-4 sqm
B-20-200-4m	20	200	150pcs	40pcs	10pcs		2-4 sqm
B-20-400-4m	20	400	300pcs	80pcs	20pcs		End-glow
B-20-400-8m	20	400	300pcs	80pcs	20pcs		End-glow

Compatible light engines

Model	Voltage	Light specs	Connector port Ø (mm)	Max fibre at 0.75 mm Ø	Size (mm) L x W x H	Remote controller	Special feature
MK-12 RGBW	12V DC	12W (RGBW)	20	550	115 x 80 x 37	28-key remote	Music rhythm sync mode
MK-16 RGBW-T	12V DC	16W (RGBW)	20	550	110 x 110 x 80	Touch remote	Twinkle wheel, Bluetooth app








Optical fibre bundles – 29 mm Ø

B-29-200	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 200 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.1 m / 1.6 m / 2.1 m / 2.6 m / 3.1 m)
B-29-200-M	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 200 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.6 m / 2.1 m / 2.6 m / 3.1 m / 3.6 m)
B-29-400	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 400 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.1 m / 1.6 m / 2.1 m / 2.6 m / 3.1 m)
B-29-400-M	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 400 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.6 m / 2.1 m / 2.6 m / 3.1 m / 3.6 m)
B-29-600-3m	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 600 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm - 450 / 1.0 mm - 120 / 1.5 mm - 30) • 3m length fibres
B-29-600-6m	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 600 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm - 450 / 1.0 mm - 120 / 1.5 mm - 30) • 6m length fibres



Optical fibre bundles – 29 mm Ø

B-29-600-9m	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 600 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm - 450 / 1.0 mm - 120 / 1.5 mm - 30) • 9m length fibres
B-29-800-6m	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 800 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm - 600 / 1.0 mm - 160 / 1.5 mm - 40) • 6m length fibres
B-29-800	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 800 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.1 m / 1.6 m / 2.1 m / 2.6 m / 3.1 m)
B-29-800-M	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 800 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (1.6 m / 2.1 m / 2.6 m / 3.1 m / 3.6 m / 4.1 m / 4.6 m / 5.1 m)
B-29-800-L1	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 800 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm) • Mixed length fibres (2 m / 4 m / 6 m / 8 m / 10 m)
B-29-1100-M-0.75	Main features:	
	<ul style="list-style-type: none"> • Total number of fibres: 1100 • Bundle connector Ø: 29 mm (included) • PMMA end-glow fibre 	<ul style="list-style-type: none"> • 0.75 mm diameter fibres • Mixed length fibres (1.6 m / 2.1 m / 2.6 m / 3.1 m / 3.6 m / 4.1 m / 4.6 m / 5.1 m)



Optical fibre bundles – 29 mm Ø

Model	Port Ø (mm)	Total number of fibres	Fibre count per length at 0.75 mm Ø	Fibre count per length at 1.0 mm Ø	Fibre count per length at 1.5 mm Ø	Minimum bending radius (mm)	Glow type
B-29-200	29	200	1.1m: 30pcs 1.6m: 30pcs 2.1m: 30pcs 2.6m: 30pcs 3.1m: 30pcs	1.1m: 8pcs 1.6m: 8pcs 2.1m: 8pcs 2.6m: 8pcs 3.1m: 8pcs	1.1m: 2pcs 1.6m: 2pcs 2.1m: 2pcs 2.6m: 2pcs 3.1m: 2pcs	0.75 mm: 4.5 1.0 mm: 6 1.5 mm: 9	End-glow
B-29-200-M	29	200	1.6m: 30pcs 2.1m: 30pcs 2.6m: 30pcs 3.1m: 30pcs 3.6m: 30pcs	1.6m: 8pcs 2.1m: 8pcs 2.6m: 8pcs 3.1m: 8pcs 3.6m: 8pcs	1.6m: 2pcs 2.1m: 2pcs 2.6m: 2pcs 3.1m: 2pcs 3.6m: 2pcs		End-glow
B-29-400	29	400	1.1m: 60pcs 1.6m: 60pcs 2.1m: 60pcs 2.6m: 60pcs 3.1m: 60pcs	1.1m: 16pcs 1.6m: 16pcs 2.1m: 16pcs 2.6m: 16pcs 3.1m: 16pcs	1.1m: 4pcs 1.6m: 4pcs 2.1m: 4pcs 2.6m: 4pcs 3.1m: 4pcs		End-glow
B-29-400-M	29	400	1.6m: 60pcs 2.1m: 60pcs 2.6m: 60pcs 3.1m: 60pcs 3.6m: 60pcs	1.6m: 16pcs 2.1m: 16pcs 2.6m: 16pcs 3.1m: 16pcs 3.6m: 16pcs	1.6m: 4pcs 2.1m: 4pcs 2.6m: 4pcs 3.1m: 4pcs 3.6m: 4pcs		End-glow
B-29-600-3m	29	600	450	120	30		End-glow
B-29-600-6m	29	600	450	120	30		End-glow
B-29-600-9m	29	600	450	120	30		End-glow



Optical fibre bundles – 29 mm Ø

Model	Port Ø (mm)	Total number of fibres	Fibre count per length at 0.75 mm Ø	Fibre count per length at 1.0 mm Ø	Fibre count per length at 1.5 mm Ø	Minimum bending radius (mm)	Glow type
B-29-800-6m	29	800	600	160	40	0.75 mm: 4.5 1.0 mm: 6 1.5 mm: 9	End-glow
B-29-800	29	800	1.1m: 120pcs 1.6m: 120pcs 2.1m: 120pcs 2.6m: 120pcs 3.1m: 120pcs	1.1m: 32pcs 1.6m: 32pcs 2.1m: 32pcs 2.6m: 32pcs 3.1m: 32pcs	1.1m: 8pcs 1.6m: 8pcs 2.1m: 8pcs 2.6m: 8pcs 3.1m: 8pcs		End-glow
B-29-800-M	29	800	1.6m: 54pcs 2.1m: 54pcs 2.6m: 83pcs 3.1m: 98pcs 3.6m: 105pcs 4.1m: 105pcs 4.6m: 75pcs 5.1m: 30pcs	1.6m: 12pcs 2.1m: 12pcs 2.6m: 21pcs 3.1m: 25pcs 3.6m: 28pcs 4.1m: 28pcs 4.6m: 20pcs 5.1m: 8pcs	1.6m: 4pcs 2.1m: 4pcs 2.6m: 6pcs 3.1m: 7pcs 3.6m: 7pcs 4.1m: 7pcs 4.6m: 5pcs 5.1m: 2pcs		End-glow
B-29-800-L1	29	800	2m: 120pcs 4m: 120pcs 6m: 120pcs 8m: 120pcs 10m: 120pcs	2m: 32pcs 4m: 32pcs 6m: 32pcs 8m: 32pcs 10m: 32pcs	2m: 8pcs 4m: 8pcs 6m: 8pcs 8m: 8pcs 10m: 8pcs		End-glow
B-29-1100-M-0.75	29	1100	1.6m: 100pcs 2.1m: 100pcs 2.6m: 150pcs 3.1m: 180pcs 3.6m: 190pcs 4.1m: 190pcs 4.6m: 130pcs 5.1m: 60pcs				End-glow

Compatible light engines

Model	Voltage	Light specs	Connector port Ø (mm)	Max fibre at 0.75 mm Ø	Size (mm) L x W x H	Remote controller	Special feature
MK-27 RGBW-T	24V DC	27W (RGBW)	29	1100	150 x 150 x 80	Touch remote	Twinkle wheel, Bluetooth app
MK-45 RGB	AC 86 – 235V	45W (RGB)	29	1100	243 x 150 x 75	28-key remote	
MK-50 RGBW-T	DC 24V	50W (RGBW)	29	1100	150 x 150 x 80	Touch remote	Twinkle wheel, Bluetooth app



Optical fibre bundles – 30 mm Ø

B-30-600-M 	Main features: <ul style="list-style-type: none">• Total number of fibres: 600• Bundle connector Ø: 30 mm (included)• PMMA end-glow fibre• Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm)• Mixed length fibres (1.6 m / 1.6 m / 2.1 m / 2.6 m / 3.1 m)
B-30-600-L 	Main features: <ul style="list-style-type: none">• Total number of fibres: 600• Bundle connector Ø: 30 mm (included)• PMMA end-glow fibre• Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm)• Mixed length fibres (2 m / 4 m / 6 m / 8 m / 10 m)
B-30-1000-M 	Main features: <ul style="list-style-type: none">• Total number of fibres: 1000• Bundle connector Ø: 30 mm (included)• PMMA end-glow fibre• Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm)• Mixed length fibres (1.6 m / 2.1 m / 2.6 m / 3.1 m / 3.6 m / 4.1 m / 4.6 m / 5.1 m)
B-30-1000-L 	Main features: <ul style="list-style-type: none">• Total number of fibres: 1000• Bundle connector Ø: 30 mm (included)• PMMA end-glow fibre• Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm)• Mixed length fibres (2 m / 4 m / 6 m / 8 m / 10 m)
B-30-1250-M-0.75 	Main features: <ul style="list-style-type: none">• Total number of fibres: 1250• Bundle connector Ø: 30 mm (included)• PMMA end-glow fibre• 0.75 mm diameter fibres• Mixed length fibres (1.6 m / 2.1 m / 2.6 m / 3.1 m / 3.6 m / 4.1 m / 4.6 m / 5.1 m)



Optical fibre bundles – 30 mm Ø

Model	Port Ø (mm)	Total number of fibres	Fibre count per length at 0.75 mm Ø	Fibre count per length at 1.0 mm Ø	Fibre count per length at 1.5 mm Ø	Minimum bending radius (mm)	Glow type
B-30-600-M	30	600	1.6m: 40pcs 2.1m: 40pcs 2.6m: 60pcs 3.1m: 70pcs 3.6m: 70pcs 4.1m: 70pcs 4.6m: 60pcs 5.1m: 40pcs	1.6m: 10pcs 2.1m: 10pcs 2.6m: 16pcs 3.1m: 20pcs 3.6m: 20pcs 4.1m: 20pcs 4.6m: 16pcs 5.1m: 8pcs	1.6m: 3pcs 2.1m: 3pcs 2.6m: 4pcs 3.1m: 4pcs 3.6m: 5pcs 4.1m: 5pcs 4.6m: 4pcs 5.1m: 2pcs	0.75 mm: 4.5 1.0 mm: 6 1.5 mm: 9	End-glow
B-30-600-L	30	600	2m: 90pcs 4m: 90pcs 6m: 900pcs 8m: 90pcs 10m: 90pcs	2m: 24pcs 4m: 24pcs 6m: 24pcs 8m: 24pcs 10m: 24pcs	2m: 6pcs 4m: 6pcs 6m: 6pcs 8m: 6pcs 10m: 6pcs		End-glow
B-30-1000-M	30	1000	1.6m: 70pcs 2.1m: 70pcs 2.6m: 110pcs 3.1m: 130pcs 3.6m: 140pcs 4.1m: 140pcs 4.6m: 100pcs 5.1m: 40pcs	1.6m: 14pcs 2.1m: 14pcs 2.6m: 22pcs 3.1m: 26pcs 3.6m: 28pcs 4.1m: 28pcs 4.6m: 20pcs 5.1m: 8pcs	1.6m: 3pcs 2.1m: 3pcs 2.6m: 6pcs 3.1m: 6pcs 3.6m: 7pcs 4.1m: 7pcs 4.6m: 5pcs 5.1m: 3pcs		End-glow
B-30-1000-L	30	1000	2m: 160pcs 4m: 160pcs 6m: 160pcs 8m: 160pcs 10m: 160pcs	2m: 32pcs 4m: 32pcs 6m: 32pcs 8m: 32pcs 10m: 32pcs	2m: 8pcs 4m: 8pcs 6m: 8pcs 8m: 8pcs 10m: 8pcs		End-glow
B-30-1250-M-0.75	30	1250	1.6m: 110pcs 2.1m: 110pcs 2.6m: 170pcs 3.1m: 210pcs 3.6m: 215pcs 4.1m: 215pcs 4.6m: 150pcs 5.1m: 70pcs				



Optical fibre bundles – 30 mm Ø

Compatible light engines

Model	Voltage	Light specs	Connector port Ø (mm)	Max fibre at 0.75 mm Ø	Size (mm) L x W x H	Remote controller	Special feature
MK-50 RGBW-T DMX	AC 86 – 230V	48W (RGBW)	30	550	270 x 264 x 135	15-key remote	Twinkle wheel, DMX function
MK-50 RGBW-T DMX	AC 86 – 230V	96W (RGBW)	30	1100	270 x 264 x 135	15-key remote	Twinkle wheel, DMX function
MK-50 RGB-T DMX	AC 86 – 230V	144W (RGB)	30	1100	270 x 264 x 135	15-key remote	Twinkle wheel, DMX function
LEI-4001	110/230V	40W (white CREE LED)	30	1250	270 x 264 x 135	4-key remote	Twinkle wheel
LEI-4001-DMX	110/230V	40W (white CREE LED)	30	1250	270 x 264 x 135	15-key remote	Twinkle wheel, DMX function
LEI-4001-WP	110/230V	40W (white CREE LED)	30	1250	270 x 264 x 135	4-key remote	Twinkle wheel, IP43 rating
LEI-8001	110/230V	80W (white CREE LED)	30	1250	270 x 264 x 135	4-key remote	Twinkle wheel
LEI-8001-DMX	110/230V	80W (white CREE LED)	30	1250	270 x 264 x 135	15-key remote	Twinkle wheel, DMX



Sensory lighting – fibre optic bundles

B-18-120-S



Main features:

- Total number of fibres: 120
- Bundle connector Ø: 18 mm (included)
- PMMA side-glow fibre
- Mixed diameter fibres (0.75 mm / 1.0 mm / 1.5 mm)
- Mixed length fibres (1.1 m / 1.6 m / 2.1 m / 2.6 m / 3.1 m)



Model	Port Ø (mm)	Total number of fibres	Fibre count per length at 0.75 mm Ø	Fibre count per length at 1.0 mm Ø	Fibre count per length at 1.5 mm Ø	Glow type
B-18-120-S	18	120	3m: 120pcs	-	-	Side-glow

Compatible light engines

Model	Voltage	Light specs	Connector port Ø (mm)	Max fibre at 0.75 mm Ø	Size (mm) L x W x H	Remote controller	Special feature
LEK-431-APP	DC 12V	12W (RGBW LED CREE chip)	18	400	126 x 126 x 88	28-key remote	Twinkle wheel,
LEK-431-DMX	DC 12V	12W (RGBW LED CREE chip)	18	400	126 x 126 x 88	28-key remote	Twinkle wheel, DMX function
LEK-432-APP	DC 12V	24W (RGBW LED CREE chip)	2 x 18	2 x 400	126 x 126 x 88	28-key remote	Twinkle wheel, DMX function
LEK-432-DMX	DC 12V	24W (RGBW LED CREE chip)	2 x 18	2 x 400	126 x 126 x 88	28-key remote	Twinkle wheel, DMX function



Sensory lighting – fibre optic curtains

MFC-026	Main features:
	<ul style="list-style-type: none"> • 50 cm Ø stainless steel ring • Total number of strands: 150 • Strand composition: 3 x 0.75 mm side-glow fibre in clear PVC cover with heat-sealed ends • Optical fibre length: 250 cm • Light engine: MK-45 RGB (included)
MFC-027	Main features:
	<ul style="list-style-type: none"> • 100 cm stainless steel bar • Total number of strands: 100 • Strand composition: 3 x 0.75 mm side-glow fibre in clear PVC cover with heat-sealed ends • Optical fibre length: 200 cm • Light engine: MK-45 RGB (included)

Model	Curtain size	Optical fibre length (cm)	Optical fibre composition	Fibre optic tail length (cm) *	Port Ø (mm)	Compatible light engine
MFC-026	50 cm Ø	250	150 x (3x0.75 mm)	60	29	MK-45 RGB (included)
MFC-027	100 cm	200	100 x (3x0.75 mm)	80	29	MK-45 RGB (included)

*Distance from light engine to steel frame

If you have any questions or comments regarding our fibre optic products, please contact us on info@stellarlighting.co.uk



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