

Masking Set 1 (DS)

Non UDL, Within Points

Piece	Load (kg)	Total Span (mm)	Span to A (mm)	Span to B (mm)	Load on A	Load on B
SR Hard Leg (Long)	15	10800	10400	400	1	14
SL Hard Leg (Long)	15	10800	300	10500	15	0

UDL, Within Points

Piece	Load (kg)	Load on A	Load on B
H30V Truss (10800mm)	68.5	34	34
16 x 5 Border (10800mm)	32.4	16	16

Outwith Suspension Points

Piece	Load (kg)	Span Between Points (mm)	Span to A (mm)	Span to B (mm)	Load on A	Load on B
H30V Truss (SR) (2600mm)	16.5	10800	2600		20	-4
Border (SR) (2600mm)	7.8	10800	2600		10	-2
SR Hard Leg (Short)	45	10800	2100		54	-9
H30V Truss (SL) (2600mm)	16.5	10800		2600	-4	20
Border (SL) (2600mm)	7.8	10800		2600	-2	10
SL Hard Leg (Short)	45	10800		2000	-8	53

Hanging Equipment

Piece	Load (kg)	Load on A	Load on B
LiftKet 0.5T Hoist w/ 22m Chain	70	70	70
Miscellaneous Rigging	10	10	10
		0	0

Totals

	Load on A	Load on B
Total Bar Weight (kg)		269
Total Weight on Suspension Point (kg)	135	134
Total Weight on Beam Point (kg)	215	214

Masking Set 2 (MS)

Non UDL, Within Points

Piece	Load (kg)	Total Span (mm)	Span to A (mm)	Span to B (mm)	Load on A	Load on B
SR Hard Leg (Long)	15	13750	1780	11970	13	2
SL Hard Leg (Long)	15	13750	11875	1875	2	13

UDL, Within Points

Piece	Load (kg)	Load on A	Load on B
H30V Truss (137500mm)	86.7	43	43
16 x 5 Border (13750mm)	32.4	16	16

Outwith Suspension Points

Piece	Load (kg)	Span Between Points (mm)	Span to A (mm)	Span to B (mm)	Load on A	Load on B
H30V Truss (SR) (1125mm)	7.1	13750	1125		8	-1
Border (SR) (1125mm)	3.4	13750	1125		4	0
SR Hard Leg (Short)	45	13750	625		47	-2
H30V Truss (SL) (1125mm)	16.5	13750		1125	-1	18
Border (SL) (1125mm)	7.1	13750		1125	-1	8
SL Hard Leg (Short)	3.4	13750		525	0	4

Hanging Equipment

Piece	Load (kg)	Load on A	Load on B
Miscellaneous Rigging	10	10	10
		0	0
		0	0

Totals

	Load on A	Load on B
Total Bar Weight (kg)		269
Total Weight on Suspension Point (kg)	131	101
Total Weight on Beam Point (kg)	141	111

Masking Set 3 (US)						
Non UDL, Within Points						
Piece	Load (kg)	Total Span (mm)	Span to A (mm)	Span to B (mm)	Load on A	Load on B
SR Hard Leg (Long)	15	10800	10400	400	1	14
SL Hard Leg (Long)	15	10800	300	10500	15	0
UDL, Within Points						
Piece	Load (kg)				Load on A	Load on B
H30V Truss (10800mm)	68.5				34	34
16 x 5 Border (10800mm)	32.4				16	16
Outwith Suspension Points						
Piece	Load (kg)	Span Between Points (mm)	Span to A (mm)	Span to B (mm)	Load on A	Load on B
H30V Truss (SR) (2600mm)	16.5	10800	2600		20	-4
Border (SR) (2600mm)	7.8	10800	2600		10	-2
SR Hard Leg (Short)	45	10800	2100		54	-9
H30V Truss (SL) (2600mm)	16.5	10800		2600	-4	20
Border (SL) (2600mm)	7.8	10800		2600	-2	10
SL Hard Leg (Short)	45	10800		2000	-8	53
Hanging Equipment						
Piece	Load (kg)				Load on A	Load on B
LiftKet 0.5T Hoist w/ 22m Chain	70				70	70
Miscellaneous Rigging	10				10	10
					0	0
Totals					Load on A	Load on B
Total Bar Weight (kg)						269
Total Weight on Suspension Point (kg)					135	134
Total Weight on Beam Point (kg)					215	214

Chromolume						
Non UDL, Within Points						
Piece	Load (kg)	Total Span (mm)	Span to A (mm)	Span to B (mm)	Load on A	Load on B
Mirror Ball w/ Motor	5	1000	300	700	3.5	1.5
Chromolume	25	1000	700	300	7.5	17.5
UDL, Within Points						
Piece	Load (kg)				Load on A	Load on B
H30V Truss (10000mm)	6.3				3	3
Hanging Equipment						
Miscellaneous Rigging	10				10	10
Totals					Load on A	Load on B
Total Weight (kg)						46
Total Weight on Suspension Point (kg)					14	22
Total Weight on Beam Point (kg)					24	32

Trapeeze Bars

Bar 10, SL (2B)

Lamp	Load (kg)	Span Between Closest Points (mm)	Span to A (mm)	Span to B (mm)	Span to C (mm)	Load on A	Load on B	Load on C
ETC Source4 Fresnel	6.1	2250	470	1780		4.825777778	1.274222222	
ETC Source4 Fresnel	6.1	2250	780	1470		3.985333333	2.114666667	
ETC CE Source4 36deg	6.3	2250	965	1285		3.598	2.702	
ETC Source4 Fresnel	6.1	2250	1225	1025		2.778888889	3.321111111	
ETC Source4 Fresnel	6.1	2250	1700	550		1.491111111	4.608888889	
ROBE Spikie	7.3	2250		190	2060		6.683555556	0.616444444
ETC CE Source4 PAR MCM (MFL)	3.4	2250		700	1550		2.342222222	1.057777778
ETC CE Source4 PAR MCM (MFL)	3.4	2250		965	1285		1.941777778	1.458222222
ETC CE Source4 PAR MCM (MFL)	3.4	2250		1245	1005		1.518666667	1.881333333
ETC CE Source4 PAR MCM (MFL)	3.4	2250		1530	720		1.088	2.312

Other Equipment

Cable	5							
Pipe and Rigging	25							
Totals						Load on A	Load on B	Load on C
Total Trapeeze Weight (kg)							81.6	
Total Weight on Suspension Point (kg)						16.67911111	27.59511111	7.325777778

Bar 10, SR (2A)

ETC CE Source4 PAR MCM (MFL)	3.4	2250	745	1505		2.274222222	1.125777778	
ETC CE Source4 PAR MCM (MFL)	3.4	2250	1035	1215		1.836	1.564	
ETC CE Source4 PAR MCM (MFL)	3.4	2250	1325	925		1.397777778	2.002222222	
ETC CE Source4 PAR MCM (MFL)	3.4	2250	1610	640		0.967111111	2.432888889	
ROBE Spikie	7.3	2250	2060	190		0.616444444	6.683555556	
ETC Source4 Fresnel	6.1	2250		420	1830		4.961333333	1.138666667
ETC Source4 Fresnel	6.1	2250		720	1530		4.148	1.952
ETC CE Source4 36deg	6.3	2250		1140	1110		3.108	3.192
ETC Source4 Fresnel	6.1	2250		1595	655		1.775777778	4.324222222
ETC Source4 Fresnel	6.1	2250		1890	360		0.976	5.124

Other Equipment

Cable	5							
Pipe and Rigging	25							
Totals						Load on A	Load on B	Load on C
Total Trapeeze Weight (kg)							81.6	
Total Weight on Suspension Point (kg)						7.091555556	28.77755556	15.73088889

Bar 12, SL (3B)

Rush Par 1 RGBW	5.5	2250	445	1805		4.412222222	1.087777778	
ETC CE Source4 26deg	6.3	2250	960	1290		3.612	2.688	
ETC CE Source4 26deg	6.3	2250	1230	1020		2.856	3.444	
ETC CE Source4 26deg	6.3	2250	1470	780		2.184	4.116	
ETC CE Source4 26deg	6.3	2250	1700	550		1.54	4.76	
ETC CE Source4 26deg	6.3	2250	1920	2250			0	6.3
ETC CE Source4 50deg	6.3	2250		590	1660		4.648	1.652
ETC CE Source4 50deg	6.3	2250		950	1300		3.64	2.66
ETC Source4 Fresnel	6.1	2250		1720	530		1.436888889	4.663111111

Other Equipment

Cable	5							
Pipe and Rigging	25							
Totals						Load on A	Load on B	Load on C
Total Trapeeze Weight (kg)							85.7	
Total Weight on Suspension Point (kg)						14.60422222	25.82066667	15.27511111

Bar 12, SR (3A)

ETC Source4 Fresnel	6.1	2250	480	1770		4.798666667	1.301333333	
ETC CE Source4 50deg	6.3	2250	1275	975		2.73	3.57	
ETC CE Source4 50deg	6.3	2250	1660	590		1.652	4.648	
ETC CE Source4 26deg	6.3	2250		2250	1810	6.3	0	
ETC CE Source4 26deg	6.3	2250		2250	1570	6.3	0	
ETC CE Source4 26deg	6.3	2250		925	1325		3.71	2.59
ETC CE Source4 26deg	6.3	2250		1180	1070		2.996	3.304
ETC CE Source4 26deg	6.3	2250		1470	780		2.184	4.116
Rush Par 1 RGBW	5.5	2250		1910	340		0.831111111	4.668888889

Other Equipment

Cable	5							
Pipe and Rigging	25							
Totals						Load on A	Load on B	Load on C
Total Trapeeze Weight (kg)							85.7	
Total Weight on Suspension Point (kg)						21.78066667	19.24044444	14.67888889

Ladders

Ladders 1 and 2

Lamp	Load (kg)	No of Units
Altman PAR 64 MFL	2	2
ETC Source4 LED 36deg	8.6	1
ETC CE Source4 PAR MCM (MFL)	3.4	2
Other Equipment		
Miscellaneous Rigging	10	
Cable	5	
Totals		
Total Ladder Weight (kg)		34.4
Total Weight on Suspension Point (kg)	17.2	17.2

Ladders 3 and 4

Altman PAR 64 MFL	2	2
ETC Source4 LED 36deg	8.6	1
ETC CE Source4 PAR MCM (MFL)	3.4	2
D&B E3 Loudspeaker	7.2	1
Other Equipment		
Miscellaneous Rigging	10	
Cable	5	
Totals		
Total Ladder Weight (kg)		41.6
Total Weight on Suspension Point (kg)	20.8	20.8

Ladders 5 and 6

ETC CE Source4 19deg	6.3	1
Altman PAR 64 MFL	2	2
ETC Source4 LED 36deg	8.6	1
ETC CE Source4 PAR MCM (MFL)	3.4	2
Other Equipment		
Miscellaneous Rigging	10	
Cable	5	
Totals		
Total Ladder Weight (kg)		40.7
Total Weight on Suspension Point (kg)	20.35	20.35

Ladders 7 and 8

Altman PAR 64 MFL	2	6
Other Equipment		
Miscellaneous Rigging	10	
Cable	5	
Totals		
Total Ladder Weight (kg)		27
Total Weight on Suspension Point (kg)	13.5	13.5

Advance Truss

Non UDL, Within Points

Piece	Load (kg)	Total Span (mm)	Span to A (mm)	Span to B (mm)	Load on A	Load on B
MAC Encroe Performance WRM	31	4000	1530	2470	19.14	11.86
MAC Encroe Performance WRM	31	4000	2470	1530	11.86	19.14

UDL, Within Points

Piece	Load (kg)	Load on A	Load on B
H30V Truss (4000mm)	25.2	12.6	12.6
Cable	5	2.5	2.5

Hanging Equipment

Piece	Load (kg)	Load on A	Load on B
LoadGuard LG50 Chain Hoists	29.42	29.42	29.42
Miscellaneous Rigging	10	10	10

Totals

	Load on A	Load on B
Total Bar Weight (kg)	92	
Total Weight on Suspension Point (kg)	46	46
Total Weight on Beam Point (kg)	86	86