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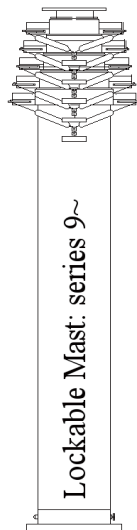
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PHT-Pneumatic Telescopic Mast
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7 Series (lighting mast)

Part #	Payload	Extended Height	Retracted Height	Mast Weight	Nos. of Sections	Tube Diameter	Collar Type	Maximum Operate Pressure	Internal Cables
71403022	15kg/ 33lb	2.2m / 7.22'	1m / 3.28'	4kg / 8.8lb	3	28~56mm/ 1.10~2.2"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 3x 0.5mm ²
71203042	60kg /132lb	4.2m/ 13.8'	1.8m/ 5.9'	13kg /28.6lb	3	56~87mm/ 2.2~3.43"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 4x 1.5mm ²
71203042	60kg /132lb	4.2m/ 13.8'	1.8m/ 5.9'	13.5kg /29.7lb	3	56~87mm/ 2.2~3.43"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 4x 2.5mm ²
71204032	35kg /77lb	3.2m/ 10.5'	1.27m/ 4.17'	14kg /30.8'	4	43~87mm/ 1.69~3.43"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 4x 1.5mm ²
71204042	35kg /77lb	4.2m/ 13.8'	1.52m/ 5'	16kg /35.2lb	4	43~87mm/ 1.69~3.43"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 4x 1.5mm ²
71204060	35kg /77lb	6.0m/ 19.7'	2m/6.6'	18kg /39.6lb	4	43~87mm/ 1.69~3.43"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 4x 1.0mm ²
71303027	35kg /77lb	2.7m/ 8.9'	1.3m/ 4.3'	10kg /22lb	3	43~70mm/ 1.69~2.75"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 4x 1.5mm ²
71303032	35kg /77lb	3.2m/ 10.5'	1.48m/ 4.85'	11kg /24.2lb	3	43~70mm/ 1.69~2.75"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 4x 1.5mm ²
71303033	35kg /77lb	3.3m/ 10.8'	1.5m/ 4.92'	12kg /26lb	3	43~70mm/ 1.69~2.75"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 4x 1.5mm ²
70505060	70kg /154lb	6m/ 19.7'	1.75m/ 5.74'	45kg /99lb	5	66~140mm/ 2.6~5.51"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 2x2.5mm ² + 4x1.5mm ² + 10x0.5mm ²
70505090	70kg /154lb	9m/ 29.5'	2.5m/ 8.2'	55kg /121lb	5	66~140mm/ 2.6~5.51"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 2x2.5mm ² + 4x1.5mm ²
70506090	50kg /110lb	9m/ 29.5'	2.2m/ 7.22'	65kg /143lb	6	51~140mm/ 2.1~5.51"	Locking	250 pa (2.5bar)/36 PSIG	RVV 4x1.5mm ²
70603062	100kg /220lb	6.2m/ 20.3'	2.62m/ 8.6'	40kg /88lb	3	82~118mm/ 3.22~4.65"	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 2x2.5mm ² + 4x1.5mm ²
70405065	100kg /220lb	6.5m/ 21.3'	1.95m/ 6.4'	65kg/ 143lb	5	82~160mm/ 3.22~6.3"	Non-locking	250pa (2.5bar)/36 PSIG	RVV 2x1.5mm ² + 8x2.5mm ²
70105065	300kg/ 660lb	6.5m/ 21.3'	1.95m/ 6.4'	80kg/ 176lb	5	140~229mm /5.5~9"	Non-locking	250pa (2.5bar)/ 36PSIG	RVV 12x2.5mm ²

7 Series (CCTV mast)

Part #	Payload	Extended Height	Retracted Height	Mast Weight	Nos. of Sections	Tube Diameter	Collar Type	Maximum Operate Pressure	Internal Cables
CCTV-70603060	100kg /220lb	6m/19.7’	2.35m/ 7.71’	40kg /88lb	3	82~118mm/ 3.22~4.65”	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 2x2.5mm ² 2x1.5mm ² +1xCAT6 + 1x75Ohm Coaxial Cable
CCTV-90603045	100kg /220lb	4.5m/ 14.8’	1.8m/ 5.9’	30kg /66lb	3	82~118mm/ 3.22~4.65”	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 2x2.5mm ² 2x1.5mm ² +1xCAT6 + 1x75Ohm Coaxial Cable
CCTV-90603060	100kg /220lb	6m/19.7’	2.35m/ 7.71’	45kg /99lb	3	82~118mm/ 3.22~4.65”	Non-locking	250 pa (2.5bar)/36 PSIG	RVV 2x2.5mm ² 2x1.5mm ² +1xCAT6 + 1x75Ohm Coaxial Cable
CCTV-70403060	230kg /507lb	6m/19.7’	2.35m/ 7.71’	55kg /121lb	3	118~160mm/ 4.65~6.3”	Non-locking	250 pa (2.5bar)/36 PSIG	5xCAT5E
CCTV-70405090	90kg /198lb	9m/29.5’	2.5m/ 8.2’	60kg /132lb	5	82~160mm /3.22~6.3”	Non-Locking	250 pa (2.5bar)/36 PSIG	3x1.5sq.mm for AC Power+ 2x2.5sq.mm for DC Power + 2x RG6 Video Cable + 1x CAT6 Cable

8 Series (non-locking mast) Heavy Duty High Mast

Part #	Payload	Extended Height	Retracted Height	Mast Weight	Nos. of Sections	Tube Diameter	Collar Type	Maximum Operate Pressure	Note
80B07150	400kg/ 880lb	15m/ 49.2’	3.3m/ 10.8’	350kg/ 770lb	7	160~316mm /6.3~12.4”	Non-locking	250Pa (2.5bar)/36PSI	
80A10260	100kg /220lb	25m/82’	3.9m/ 12.8’	350kg /770lb	10	82~279mm /3.23~11”	Non-locking	250 pa (2.5bar)/36 PSIG	
80A09150	150kg /330lb	15m/ 49.2’	2.65m/ 8.7’	271kg /597lb	9	98~279mm /3.86~11”	Non-locking	250 pa (2.5bar)/36 PSIG	
80A08240	250kg /551lb	24m/ 78.7’	4.2m/ 13.8’	382kg /842lb	8	118~279mm /4.65~11”	Non-locking	250 pa (2.5bar)/36 PSIG	
80A08200	250kg /551lb	20m/ 65.6’	3.68m/ 12.1’	340kg /750lb	8	118~279mm /4.65~11”	Non-locking	250 pa (2.5bar)/36 PSIG	
80A07180	300kg /660lb	18m/59’	3.7m/ 12.1’	320kg /705lb	7	140~279mm /5.5~11”	Non-locking	250 pa (2.5bar)/36 PSIG	
80A07150	300kg /660lb	15m/ 49.2’	3m/9.84’	260kg /573lb	7	140~279mm /5.5~11”	Non-locking	250 pa (2.5bar)/36 PSIG	
80A06120	400kg /880lb	12m/ 39.3’	2.75m/9’	230kg /506lb	6	160~279mm /6.3~11”	Non-locking	250 pa (2.5bar)/36 PSIG	
80A05120	500kg /1100lb	12m/ 39.3’	3m/9.84’	225kg /496lb	5	180~279mm /6.7~11”	Non-locking	250 pa (2.5bar)/36 PSIG	

8 Series (non-locking mast)

Part #	Payload	Extended Height	Retracted Height	Mast Weight	Nos. of Sections	Tube Diameter	Collar Type	Maximum Operate Pressure	Note
80111300	10kg /22lb	30m/ 98.4'	4.2m/ 13.8'	275kg /606lb	11	36~229mm /1.42~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80111250	30kg /66lb	25m/ 82'	3.35m/ 11'	225kg /496lb	11	36~229mm /1.42~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80111210	30kg /66lb	21m/ 68.9'	3.1m/ 10.2'	210kg /463lb	11	36~229mm /1.42~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80111180	30kg /66lb	18m/ 59'	2.8m/ 9.2'	193kg /425lb	11	36~229mm /1.42~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80111150	30kg /66lb	15m/ 49.2'	2.45m/ 8'	173kg /381lb	11	36~229mm /1.42~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80111120	30kg /66lb	12m/ 39'	2.15m/ 7.1'	155kg /341lb	11	36~229mm /1.42~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80110190	50kg /110lb	19m/ 62.3'	2.9m/ 9.51'	195kg /430lb	10	51~229mm /2.01~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80110160	50kg /110lb	16m/ 52.5'	2.6m/ 8.53'	177kg /390lb	10	51~229mm /2.01~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80110130	50kg /110lb	13m/ 42.6'	2.3m/ 7.54'	160kg /352lb	10	51~229mm /2.01~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80109170	70kg /154lb	17m/ 55.8'	2.9m/ 9.51'	188kg /414lb	9	66~229mm /2.6~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80109150	70kg /154lb	15m/ 49.2'	2.65m/ 8.69'	175kg /385lb	9	66~229mm /2.6~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80109130	70kg /154lb	13m/ 42.6'	2.45m/ 8.04'	163kg /359lb	9	66~229mm /2.6~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80108170	100kg /220lb	17m/ 55.8'	3m/ 9.8'	186kg /410lb	8	82~229mm /3.23~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80108150	100kg /220lb	15m/ 49.2'	2.75m/ 9'	173kg /381lb	8	82~229mm /3.23~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80108120	100kg /220lb	12m/ 39'	2.35m/ 7.7'	151kg /332lb	8	82~229mm /3.23~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80107160	150kg /330lb	16m/ 52.5'	3m/ 9.8'	177kg /390lb	7	98~229mm /3.86~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80107120	150kg /330lb	12m/ 39.4'	2.25m/ 8.3'	138kg /304lb	7	98~229mm /3.86~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80107090	150kg /330lb	9m/ 29.5'	2.1m/ 6.9'	130kg /286lb	7	98~229mm /3.86~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80106145	230kg /506lb	14.5m/ 47.6'	3.2m/ 10.5'	155kg /341lb	6	118~229mm /4.65~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80106125	230kg /506lb	12.5m/ 41'	2.86m/ 9.4'	138kg /304lb	6	118~229mm /4.65~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80106105	230kg /506lb	10.5m/ 34.4'	2.53m/ 8.3'	122kg /269lb	6	118~229mm /4.65~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	

Part #	Payload	Extended Height	Retracted Height	Mast Weight	Nos. of Sections	Tube Diameter	Collar Type	Maximum Operate Pressure	Note
80105120	300kg /660lb	12m / 39.4'	3m/9.8'	133kg /293lb	5	140~229mm /5.5~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80105100	300kg /660lb	10m / 32.8'	2.6m/8.5'	115kg /253lb	5	140~229mm /5.5~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80105080	300kg /660lb	8m / 26.2'	2.2m/7.2'	98kg /216lb	5	140~229mm /5.5~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80104090	400kg /880lb	9m / 29.5'	3m/9.8'	115kg /253lb	4	160~229mm /6.3~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80104070	400kg /880lb	7m/23'	2.5m/8.3'	96kg /211lb	4	160~229mm /6.3~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80103070	500kg /1100lb	7m/23'	2.9m/9.5'	92kg /202lb	3	180~229mm /7.1~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80103050	500kg /1100lb	5m / 16.4'	2.25m / 7.4'	71kg /156lb	3	180~229mm /7.1~9.02"	Non-locking	250 pa (2.5bar)/36 PSIG	
80408125	30kg /66lb	12.5m /41'	2.5m /8.2'	90kg /198lb	8	36~160mm /1.42~6.3"	Non-locking	250 pa (2.5bar)/36 PSIG	
80408100	30kg /66lb	10m /32.8'	2.2m /7.2'	80kg /176lb	8	36~160mm /1.42~6.3"	Non-locking	250 pa (2.5bar)/36 PSIG	
80408075	30kg /66lb	7.5m /24.6'	1.9m /6.2'	73kg /160lb	8	36~160mm /1.42~6.3"	Non-locking	250 pa (2.5bar)/36 PSIG	
80507100	30kg /66lb	10m /32.8'	2.3m /7.3'	65kg /143lb	7	36~140mm /1.42~5.5"	Non-locking	250 pa (2.5bar)/36 PSIG	
80507075	30kg /66lb	7.5m /24.6'	1.95m /6.24'	58kg /128lb	7	36~140mm /1.42~5.5"	Non-locking	250 pa (2.5bar)/36 PSIG	
80606085	30kg /66lb	8.5m /27.9'	2.2m /7.2'	45kg /99lb	6	36~118mm /1.42~4.65"	Non-locking	250 pa (2.5bar)/36 PSIG	
80605075	50kg /110lb	7.5m /24.6'	2.3m /7.5'	40kg /88lb	5	51~118mm /2.0~4.65"	Non-locking	250 pa (2.5bar)/36 PSIG	
80605060	50kg /110lb	6m /19.7'	1.75m /5.7'	35kg /77lb	5	51~118mm /2.0~4.65"	Non-locking	250 pa (2.5bar)/36 PSIG	

9 Series (locking mast) Heavy Duty High Mast

Part #	Payload	Extended Height	Retracted Height	Mast Weight	Nos. of Sections	Tube Diameter	Collar Type	Maximum Operate Pressure	Note
90A10250	100kg /220lb	25m/ 82'	3.9m/ 12.8'	350kg /770lb	10	82~279mm /3.23~11"	Locking	250 pa (2.5bar)/36 PSIG	
90A10200	100kg /220lb	20m/ 65.6'	3.4m/ 11.2'	280kg /616lb	10	82~279mm /3.23~11"	Locking	250 pa (2.5bar)/36 PSIG	
90A09150	150kg /330lb	15m/ 49.2'	2.65m/ 8.7'	275kg /606lb	9	98~279mm /3.86~11"	Locking	250 pa (2.5bar)/36 PSIG	
90A08240	250kg /551lb	24m/ 78.7'	4.2m/ 13.8'	385kg /849lb	8	118~279mm /4.65~11"	Locking	250 pa (2.5bar)/36 PSIG	
90A08200	250kg /551lb	20m/ 65.6'	3.68m/ 12.1'	343kg /756lb	8	118~279mm /4.65~11"	Locking	250 pa (2.5bar)/36 PSIG	
90A07180	300kg /660lb	18m/ 59'	3.7m/ 12.1'	323kg /712lb	7	140~279mm /5.5~11"	Locking	250 pa (2.5bar)/36 PSIG	
90A07150	300kg /660lb	15m/ 49.2'	3m/ 9.84'	263kg /580lb	7	140~279mm /5.5~11"	Locking	250 pa (2.5bar)/36 PSIG	
90A06120	400kg /880lb	12m/ 39.3'	2.75m/ 9'	233kg /514lb	6	160~279mm /6.3~11"	Locking	250 pa (2.5bar)/36 PSIG	
90A05120	500kg /1100lb	12m/ 39.3'	3m/ 9.84'	227kg /500lb	5	180~279mm /67.1~11"	Locking	250 pa (2.5bar)/36 PSIG	

9 Series (locking mast)

Part #	Payload	Extended Height	Retracted Height	Mast Weight	Nos. of Sections	Tube Diameter	Collar Type	Maximum Operate Pressure	Note
90111300	10kg /22lb	30m/ 98.4'	4.2m/ 13.8'	280kg /617lb	11	36~229mm /1.42~9.02"	Locking	250 pa (2.5bar)/36 PSIG	
90111250	30kg /66lb	25m/82'	3.35m/ 11'	230kg /496lb	11	36~229mm /1.42~9.02"	Locking	250 pa (2.5bar)/36 PSIG	
90111210	30kg /66lb	21m/ 68.9'	3.1m/ 10.2'	210kg /507lb	11	36~229mm /1.42~9.02"	Locking	250 pa (2.5bar)/36 PSIG	
90111180	30kg /66lb	18m/59'	2.8m/ 9.2'	198kg /437lb	11	36~229mm /1.42~9.02"	Locking	250 pa (2.5bar)/36 PSIG	
90111150	30kg /66lb	15m/ 49.2'	2.45m/ 8'	178kg /392lb	11	36~229mm /1.42~9.02"	Locking	250 pa (2.5bar)/36 PSIG	
90111120	30kg /66lb	12m/39'	2.15m/ 7.1'	160kg /353lb	11	36~229mm /1.42~9.02"	Locking	250 pa (2.5bar)/36 PSIG	
90110190	50kg /110lb	19m/ 62.3'	2.9m/ 9.51'	200kg /441lb	10	51~229mm /2.01~9.02"	Locking	250 pa (2.5bar)/36 PSIG	
90110160	50kg /110lb	16m/ 52.5'	2.6m/ 8.53'	182kg /401lb	10	51~229mm /2.01~9.02"	Locking	250 pa (2.5bar)/36 PSIG	
90110130	50kg /110lb	13m/ 42.6'	2.3m/ 7.54'	165kg /364lb	10	51~229mm /2.01~9.02"	Locking	250 pa (2.5bar)/36 PSIG	
90109170	70kg /154lb	17m/ 55.8'	2.9m/ 9.51'	193kg /425lb	9	66~229mm /2.6~9.02"	Locking	250 pa (2.5bar)/36 PSIG	
90109150	70kg /154lb	15m/ 49.2'	2.65m/ 8.69'	180kg /397lb	9	66~229mm /2.6~9.02"	Locking	250 pa (2.5bar)/36 PSIG	

Part #	Payload	Extended Height	Retracted Height	Mast Weight	Nos. of Sections	Tube Diameter	Collar Type	Maximum Operate Pressure	Note
90109130	70kg /154lb	13m/ 42.6’	2.45m/ 8.04’	167kg /368lb	9	66~229mm /2.6~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90108170	100kg /220lb	17m/ 55.8’	3m/9.8’	190kg /419lb	8	82~229mm /3.23~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90108150	100kg /220lb	15m/ 49.2’	2.75m/ 9’	177kg /390lb	8	82~229mm /3.23~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90108120	100kg /220lb	12m/ 39’	2.35m/ 7.7’	155kg /342lb	8	82~229mm /3.23~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90107160	150kg /330lb	16m/ 52.5’	3m/9.8’	180kg /397lb	7	98~229mm /3.86~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90107120	150kg /330lb	12m/ 39.4’	2.25m/ 8.3’	141kg /311lb	7	98~229mm /3.86~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90107090	150kg /330lb	9m/ 29.5’	2.1m/ 6.9’	133kg /293lb	7	98~229mm /3.86~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90106145	230kg /506lb	14.5m/ 47.6’	3.2m/ 10.5’	158kg /348lb	6	118~229mm /4.65~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90106125	230kg /506lb	12.5m/ 41’	2.86m/ 9.4’	141kg /311lb	6	118~229mm /4.65~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90106105	230kg /506lb	10.5m/ 34.4’	2.53m/ 8.3’	125kg /275lb	6	118~229mm /4.65~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90105120	300kg /660lb	12m/ 39.4’	3m/9.8’	135kg /298lb	5	140~229mm /5.5~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90105100	300kg /660lb	10m/ 32.8’	2.6m/ 8.5’	117kg /258lb	5	140~229mm /5.5~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90105080	300kg /660lb	8m/ 26.2’	2.2m/ 7.2’	100kg /220lb	5	140~229mm /5.5~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90104090	400kg /880lb	9m/ 29.5’	3m/9.8’	117kg /258lb	4	160~229mm /6.3~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90104070	400kg /880lb	7m/23’	2.5m/ 8.3’	98kg /216lb	4	160~229mm /6.3~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90103070	500kg /1100lb	7m/23’	2.9m/ 9.5’	93kg /205lb	3	180~229mm /7.1~9.02”	Locking	250 pa (2.5bar)/36 PSIG	
90103050	500kg /1100lb	5m/ 16.4’	2.25m/ 7.4’	72kg /159lb	3	180~229mm /7.1~9.02”	Locking	250 pa (2.5bar)/36 PSIG	

Part #	Payload	Extended Height	Retracted Height	Mast Weight	Nos. of Sections	Tube Diameter	Collar Type	Maximum Operate Pressure	Note
90408125	30kg /66lb	12.5m /41'	2.5m /8.2'	93kg /205lb	8	36~160mm /1.42~6.3"	Locking	250 pa (2.5bar)/36 PSIG	
90408100	30kg /66lb	10m /32.8'	2.2m /7.2'	83kg /183lb	8	36~160mm /1.42~6.3"	Locking	250 pa (2.5bar)/36 PSIG	
90408075	30kg /66lb	7.5m /24.6'	1.9m /6.2'	76kg /168lb	8	36~160mm /1.42~6.3"	Locking	250 pa (2.5bar)/36 PSIG	
90407090	50kg /110lb	9m /29.5'	2.1m /6.9'	55kg /121lb	7	51~160mm /2.1~6.3"	Locking	250 pa (2.5bar)/36 PSIG	
90406075	70kg /154lb	7.5m /24.6'	2m /6.6'	48kg /105lb	6	66~160mm /2.6~6.3"	Locking	250 pa (2.5bar)/36 PSIG	
90405070	100kg /220lb	7m /23'	2m /6.6'	46kg /101lb	5	82~160mm /3.23~6.3"	Locking	250 pa (2.5bar)/36 PSIG	
90404050	150kg /330lb	5m /16.4'	2m /6.6'	43kg /95lb	4	98~160mm /3.86~6.3"	Locking	250 pa (2.5bar)/36 PSIG	
90403045	230kg /507lb	4.5m /15.1'	2m /6.6'	40kg /88lb	3	118~160mm /4.65~6.3"	Locking	250 pa (2.5bar)/36 PSIG	
90507100	30kg /66lb	10m /32.8'	2.3m /7.3'	68kg /150lb	7	36~140mm /1.42~5.5"	Locking	250 pa (2.5bar)/36 PSIG	
90507075	30kg /66lb	7.5m /24.6'	1.95m /6.24'	63kg /139lb	7	36~140mm /1.42~5.5"	Locking	250 pa (2.5bar)/36 PSIG	
90506073	50kg /110lb	7.3m /24'	2m /6.6'	55kg /121lb	6	51~140mm /2.1~5.5"	Locking	250 pa (2.5bar)/36 PSIG	
90505065	70kg /154lb	6.5m /21.3'	2m /6.6'	51kg /112lb	5	66~140mm /2.6~5.5"	Locking	250 pa (2.5bar)/36 PSIG	
90504055	100kg /220lb	5.5m /18'	2m /6.6'	46kg /101lb	4	82~140mm /3.23~5.5"	Locking	250 pa (2.5bar)/36 PSIG	
90503045	150kg /330lb	4.5m /15.1'	2m /6.6'	45kg /100lb	3	98~140mm /3.86~5.5"	Locking	250 pa (2.5bar)/36 PSIG	
90606090	30kg /66lb	9m /29.5'	2.15m /7'	53kg /116lb	6	36~118mm /1.42~4.65"	Locking	250 pa (2.5bar)/36 PSIG	
90605070	50kg /110lb	7m /23'	2m /6.6'	45kg /100lb	5	51~118mm /2.0~4.65"	Locking	250 pa (2.5bar)/36 PSIG	
90605060	50kg /110lb	6m /19.7'	1.75m /5.7'	37kg /82lb	5	51~118mm /2.0~4.65"	Locking	250 pa (2.5bar)/36 PSIG	
90604055	70kg /154lb	5.5m /18'	2m /6.6'	40kg /88lb	4	66~118mm /2.6~4.65"	Locking	250 pa (2.5bar)/36 PSIG	
90603042	100kg /220lb	4.2m /13.7'	2m /6.6'	35kg /77lb	3	82~118mm /3.23~4.65"	Locking	250 pa (2.5bar)/36 PSIG	
90602027	150kg /330lb	2.7m /8.9'	1.6m /5.2'	16kg /35lb	2	98~118mm /3.86~4.65"	Locking	250 pa (2.5bar)/36 PSIG	

Accessories

Electric Air Compressor: the electric air compressors supplied by PHT have a function which start up or stop automatically by a pressure sensor to protect mast



Item #: 175090
PUMA Oil-less compressor
1 Horse Power (750W), AC220~240V, 50HZ or 60HZ
90L/min air flow, 12 L air tank,
Net Weight: 17kgs, 53cmL * 27cmW * 55mH



Item #: 125090
TC-90 Vacuum Pump
1/3 Horse Power (250W), AC220~240V, 50HZ or 60HZ
60L/min air flow
Net Weight: 5kgs, 32cmL * 13.5cmW * 20.5mH



Item #: 111080
TC-80 Vacuum Pump
110W, AC220~240V, 50HZ or 60HZ
50L/min air flow
Net Weight: 3.4kgs, 25.5cmL * 13.5cmW * 17mH



Item #: 111080-DC12
DC12V Electric Air Compressor
50L/min air flow
Net Weight: 12kgs, 30cmL * 20cmW * 40mH



Item #: 115090-DC24
DC24V Electric Air Compressor
60L/min air flow
Net Weight: 12kgs, 30cmL * 20cmW * 40mH



Item #: FP0902
Foot Pump



Item #: 2001
Air Control with Air Filters



Item #: 9229
Ground Mounting Tripods
Stainless Steel S304 Material, Application for masts with 229mm, 180mm, 160mm, 140mm, 118mm tube



Item #: 7229
Side Mounting Bracket
Weld Steel Material, Application for masts with 316mm, 279mm, 229mm, 180mm, 160mm, 140mm, 118mm tube



Item #: 2002
Pan Tilt System for Lighting Masts
Remote control, turn 360 degrees, tilt 360 degrees, AC220~240V, DC12/24V control box



Item #: 8160
Guying Rope Kits
8mm Ropes, 14000N breaking force for single rope.
1 layer with 4 ways, 2 layer with 4 ways, 3 layer with 4 ways

PHT

PHT-6m move lighting system

Model: PHT-LT-6-4000

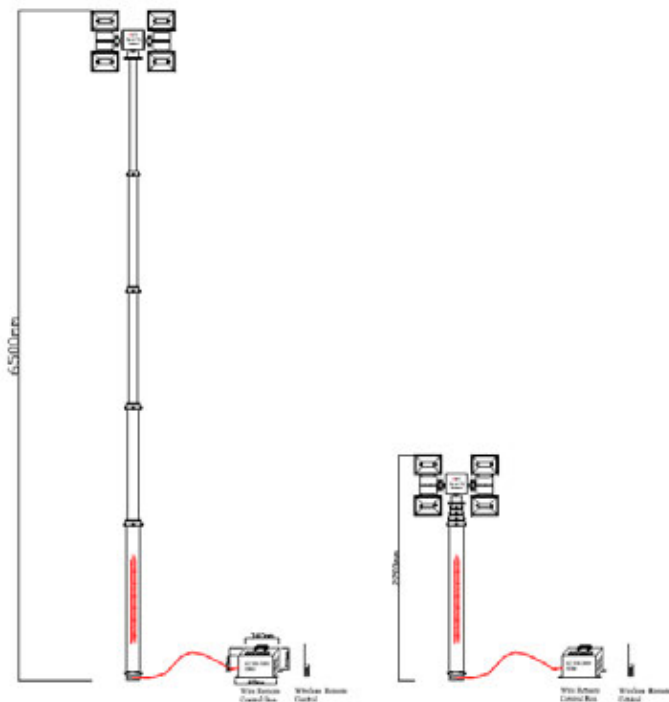


PNEUMATIC TELESCOPIC MAST



System Worked under AC 220~240V/50Hz External Power Supply

Dimensions: Total Height 6.5m, Retracted Height: 2.2m



SYSTEM INTRODUCTION

System Include 3 Parts

- 1> 6m Pneumatic Telescopic Mast
- 2> 4x 1000W Halogen Lamps System
- 3> Remote Pan &Tilt Control System

6m Pneumatic Telescopic Mast



- ① Item model: 70505060
- ② Extended Height: 6 m
- ③ Retracted Height: 1.75m
- ④ Internal Spiral Cables: 2 x 2.5mm², 4 x 1.5mm², 10 x 0.5 mm² RVV cables
- ⑤ Number of sections: 5 sections
- ⑥ Section Diameter Range: 66mm, 82mm, 98mm, 118mm, 140mm
- ⑦ Default Accessories: top flange, bottom flange
- ⑧ Materials: Aluminum Alloy 6063/T5 for tube sections, Aluminum Alloy 6061 for top flange, bottom flange
- ⑨ Mast Net Weight: 42 kg approx

4 x 1000W Halogen Lamps System



- ① Philips Brand
- ② 1000 W per lamp
- ③ 4 pieces
- ④ Individual Control by wireless remote control and wire remote control box
- ⑤ Turn & Tilt : Rotate 420 ° , Tilt 420°

Remote Control System



- ① Wireless Remote Control
- ② Wire Remote Control Box

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PHT-Move Lighting System

Model: PHT-RLM-1500-4x60LED



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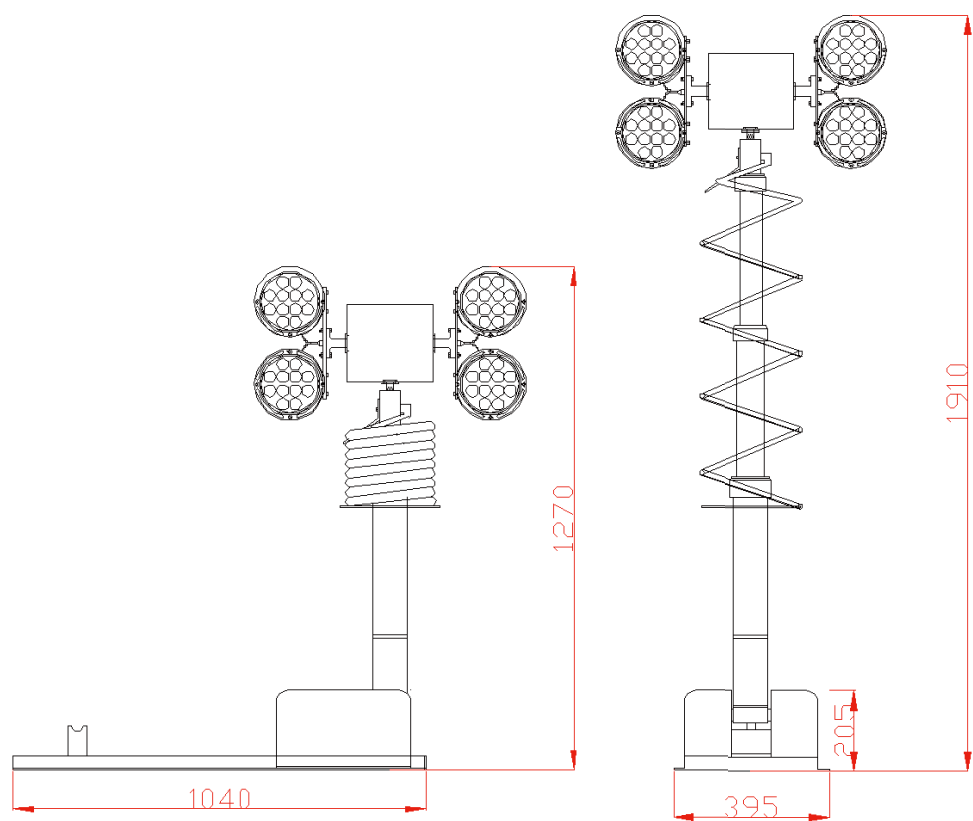
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Dimensions Reference



Retracted Height

Extended Height

Electric Parameter

Items	Parameters
LED Lamps	4 x 60W 12pcs 5W LEDs per lamps,CREE LED House materials: casting aluminum Lumens: 4080lm per lamp Water proof: IP67
Turn/Tilt/Zoom	410 degrees in horizontal 410 degrees in vertical (180 degrees for camera mounting)
Lighting Mast	Pneumatic Telescopic Mast, base section dia. 86mm, aluminum alloy 6063T5 finish.
Working Power	DC 12V/24V
System Weight	50kg approx
Packing	Base 116cmL x 38cmW x 30cmH Lamps system 106cmL x 37cmW x 29cmH

System Installation

1) System including:

- 1 x lighting system
- 1 x Wire Control
- 1 x Wireless Remote Control
- 1 x Operation Manual

2) Moving Notice:

- When move the system, please carry the basement structure, do not carry the lamps or telescopic lighting mast.
- Do not try to connect the electric power before installation finished

3) System Installation:

- Please make sure there are enough space for lighting mast extension, and lamps rotation.
- Please make sure the vehicle roof or others can bear 70kg weight before the installation.
- Fix all the screws firmly.

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PHT-Move Lighting System

Model: PHT-RLM-2500-4x60LED



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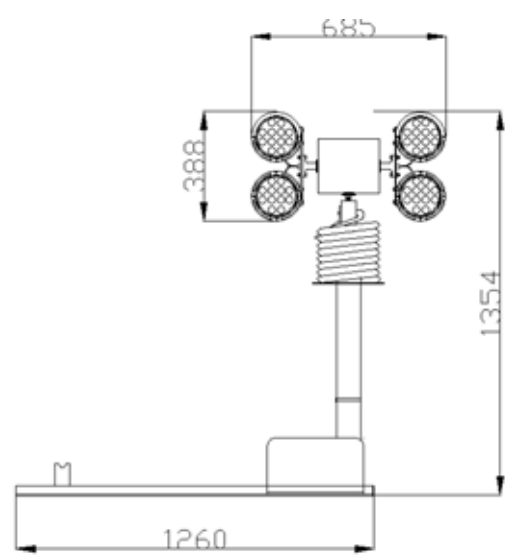
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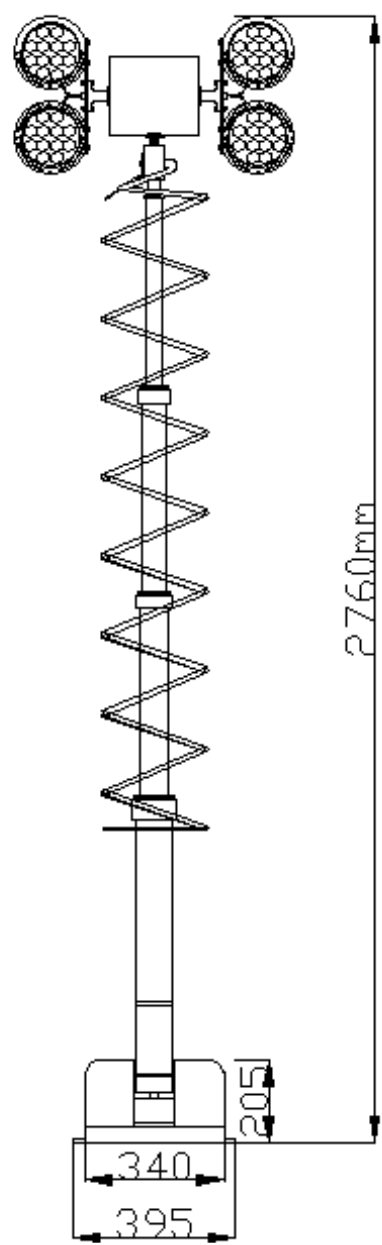
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Dimensions Reference



Retracted Height



Extended Height

Electric Parameter

Items	Parameters
LED Lamps	4 x 60W 12pcs 5W LEDs per lamps,CREE LED House materials: casting aluminum Lumens: 4080lm per lamp Water proof: IP67
Turn/Tilt/Zoom	410 degrees in horizontal 410 degrees in vertical (180 degrees for camera mounting)
Lighting Mast	Pneumatic Telescopic Mast, base section dia. 86mm, aluminum alloy 6063T5 finish.
Working Power	DC 12V/24V
System Weight	50kg approx
Packing	Base 136cmL x 38cmW x 30cmH Lamps system 106cmL x 37cmW x 29cmH

System Installation

1) System including:

- 1 x lighting system
- 1 x Wire Control
- 1 x Wireless Remote Control
- 1 x Operation Manual

2) Moving Notice:

- When move the system, please carry the basement structure, do not carry the lamps or telescopic lighting mast.
- Do not try to connect the electric power before installation finished

3) System Installation:

- Please make sure there are enough space for lighting mast extension, and lamps rotation.
- Please make sure the vehicle roof or others can bear 70kg weight before the installation.
- Fix all the screws firmly.

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PHT-Move Lighting System

Model: PHT-RLM-3500-4x60LED



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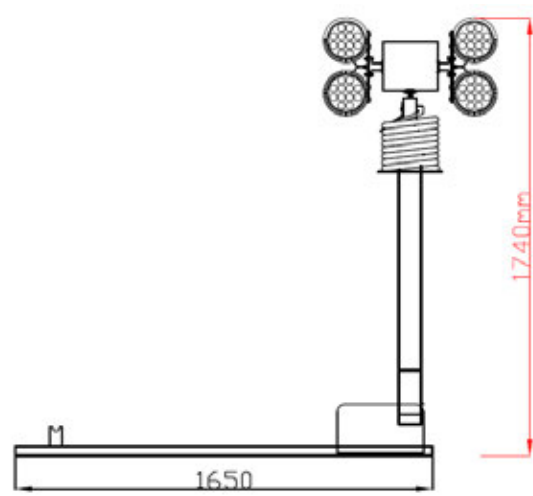
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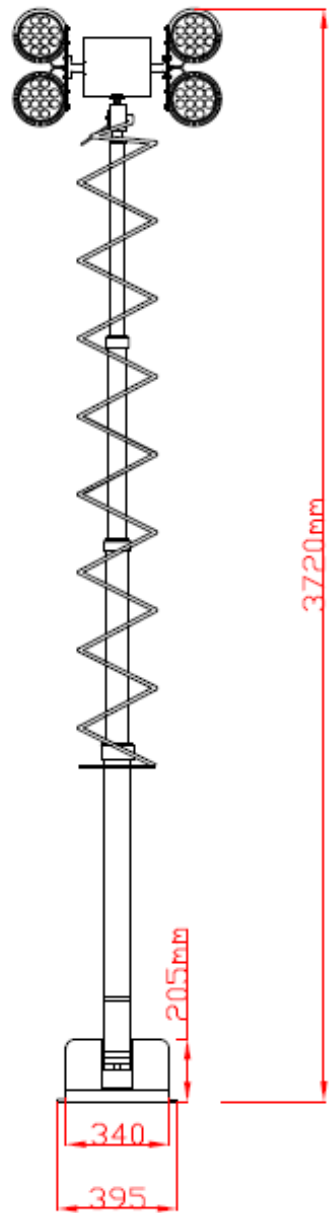
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Dimensions Reference



Retracted Height



Extended Height

Electric Parameter

Items	Parameters
LED Lamps	4 x 60W 12pcs 5W LEDs per lamps,CREE LED House materials: casting aluminum Lumens: 4080lm per lamp Water proof: IP67
Turn/Tilt/Zoom	410 degrees in horizontal 410 degrees in vertical (180 degrees for camera mounting)
Lighting Mast	Pneumatic Telescopic Mast, base section dia. 86mm, aluminum alloy 6063T5 finish.
Working Power	DC 12V/24V
System Weight	50kg approx
Packing	Base 176cmL x 38cmW x 30cmH Lamps system 106cmL x 37cmW x 29cmH

System Installation

1) System including:

- 1 x lighting system
- 1 x Wire Control
- 1 x Wireless Remote Control
- 1 x Operation Manual

2) Moving Notice:

- When move the system, please carry the basement structure, do not carry the lamps or telescopic lighting mast.
- Do not try to connect the electric power before installation finished

3) System Installation:

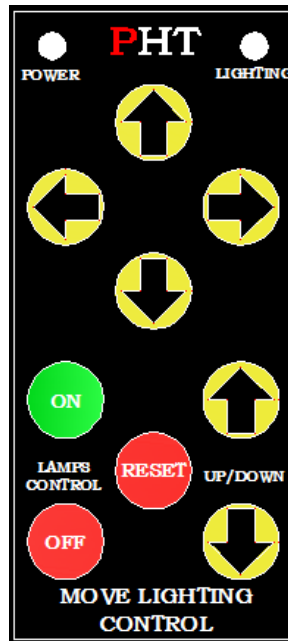
- Please make sure there are enough space for lighting mast extension, and lamps rotation.
- Please make sure the vehicle roof or others can bear 70kg weight before the installation.
- Fix all the screws firmly.

System Operation

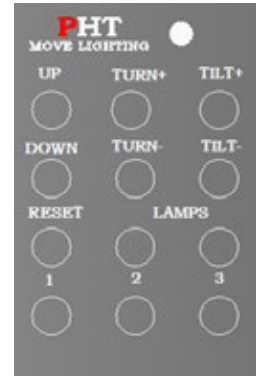
- System Extending: “UP”
- Mast Retracting: “Down”
- Lamps Control: “ON” / “OFF”
- Lamps Rotate:
TURN + / TURN -

- Lamps Tilt: TILT+ / TILT -

- System Restore: RESET



Wire Manual Control Panel



Wireless Remote Control

System Maintenance

1) Lamps Maintenance:

- extended the mast in vertical position
- turn off the power supply
- make sure the temperature lower before change the bulbs or LED Lamps

2) Lighting Mast Maintenance

Lighting mast should be maintenance in regular according to the working environment. Normally maintenance should be make every month.

When Followed cases happened, the mast should be maintenance in time.

- obviously surface dusty
- mast extension/retraction not in smoothly
- noises when mast extension and retraction

Mast maintenance include cleaning and lubrication:

Step 1: extend the mast fully.

Step 2: clean the mast surface

Step 3: injection lubrication oils from the air hose in the mast section.

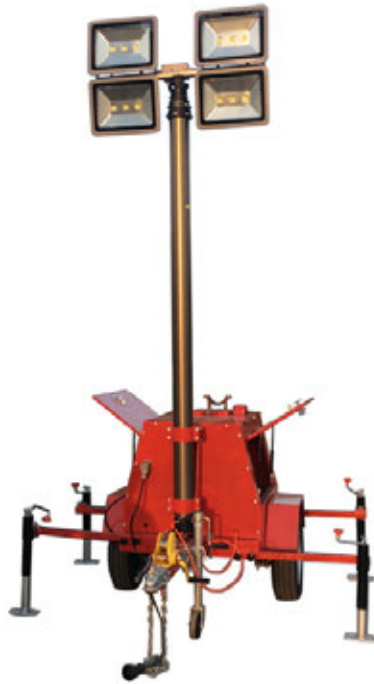
Step 4: extend / retract mast some times make sure the mast working smoothly

Step 5: clean off the lubricate oil on the mast surface in order to avoid the dust attach on.

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PHT-Mobile Light Tower
PHT-LED-600



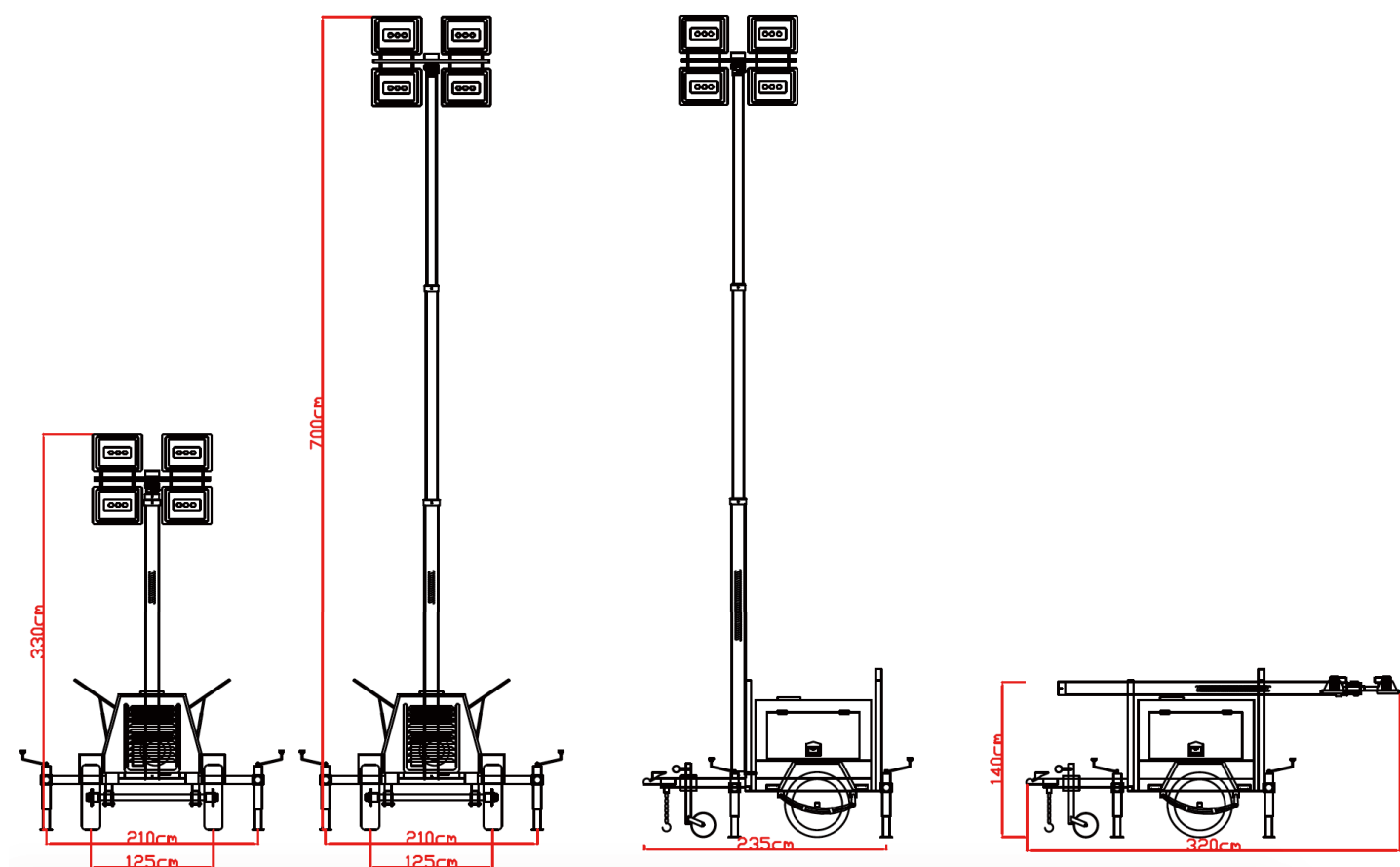
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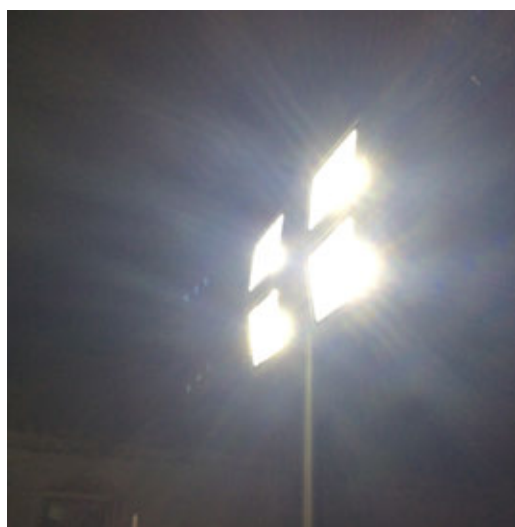
Dimensions



Lamps Specification

4x 150W LED Lamps, Lumens: 10500~13500lms

Two years warranty



Lighting Masts

6.2m Pneumatic Telescopic Mast	
Head Loads	100kgs
Extended Height	6.2m
Retracted Height	2.65m
Internal Spiral Cables	RVV 2x2.5mm ² + 4x1.5mm ²
Number of sections	3
Base Section Dia.	118mm



Generator Sets

Alternator	Rated frequency(Hz)	50	60
	Rated Output(KW)	4.6	5.0
	Max Output(KW)	5.0	5.5
	Rated Voltage(V)	220	230
	Power Factor (cos ϕ)	1.0	
Engine	Model	HP 186FA(E)	
	Type	Single-cylinder, 4 stroke, vertical, air - cooled, diesel engine	
	Starting Fashion	manual or electric start	
Generator Set	Fuel Tank Capacity	25	
	Continuous Running time (H)	12 hours	



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PHT-Mobile Light Tower
PHT-540-G1



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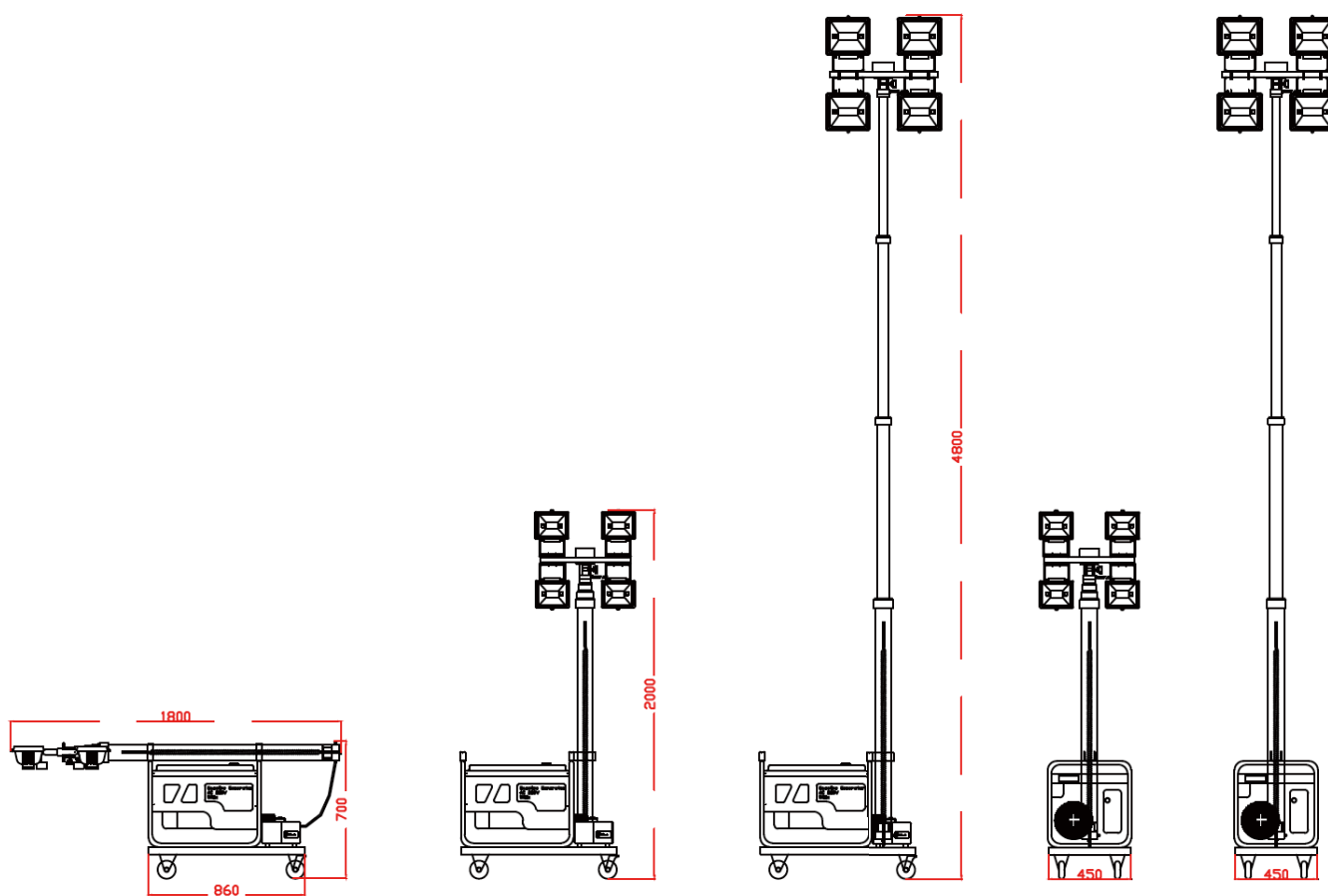
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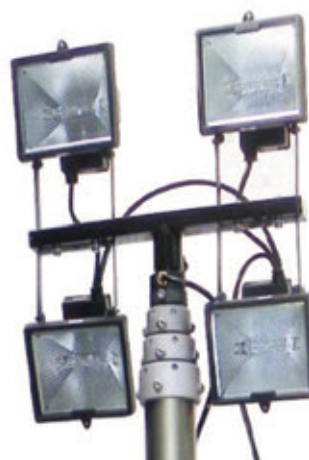
Dimensions



Lamps Specification

4x 500W Halogen Flood Light

Brand: Philips QV 135



Lighting Masts

4.2m Pneumatic Telescopic Mast	
Head Loads	35kgs
Extended Height	4.2m
Retracted Height	1.5m
Internal Spiral Cables	RVV 4x1.5mm ²
Number of sections	4
Base Section Dia.	87mm



Generator Sets

Alternator	Rated frequency(Hz)	50	60
	Rated Output(KW)	2.8	3.0
	Max Output(KW)	3.0	3.5
	Rated Voltage(V)	220	230
	Power Factor (cosφ)	1.0	
Engine	Model	DJ170F	
	Type	Single-cylinder, 4 stroke, vertical, air – cooled, OHV, gasoline generator	
	Starting Fashion	manual or electric start	
Generator Set	Fuel Tank Capacity	15	
	Continuous Running time (H)	10 hours	

Testing Pictures



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PHT-Mobile Light Tower
PHT-1400



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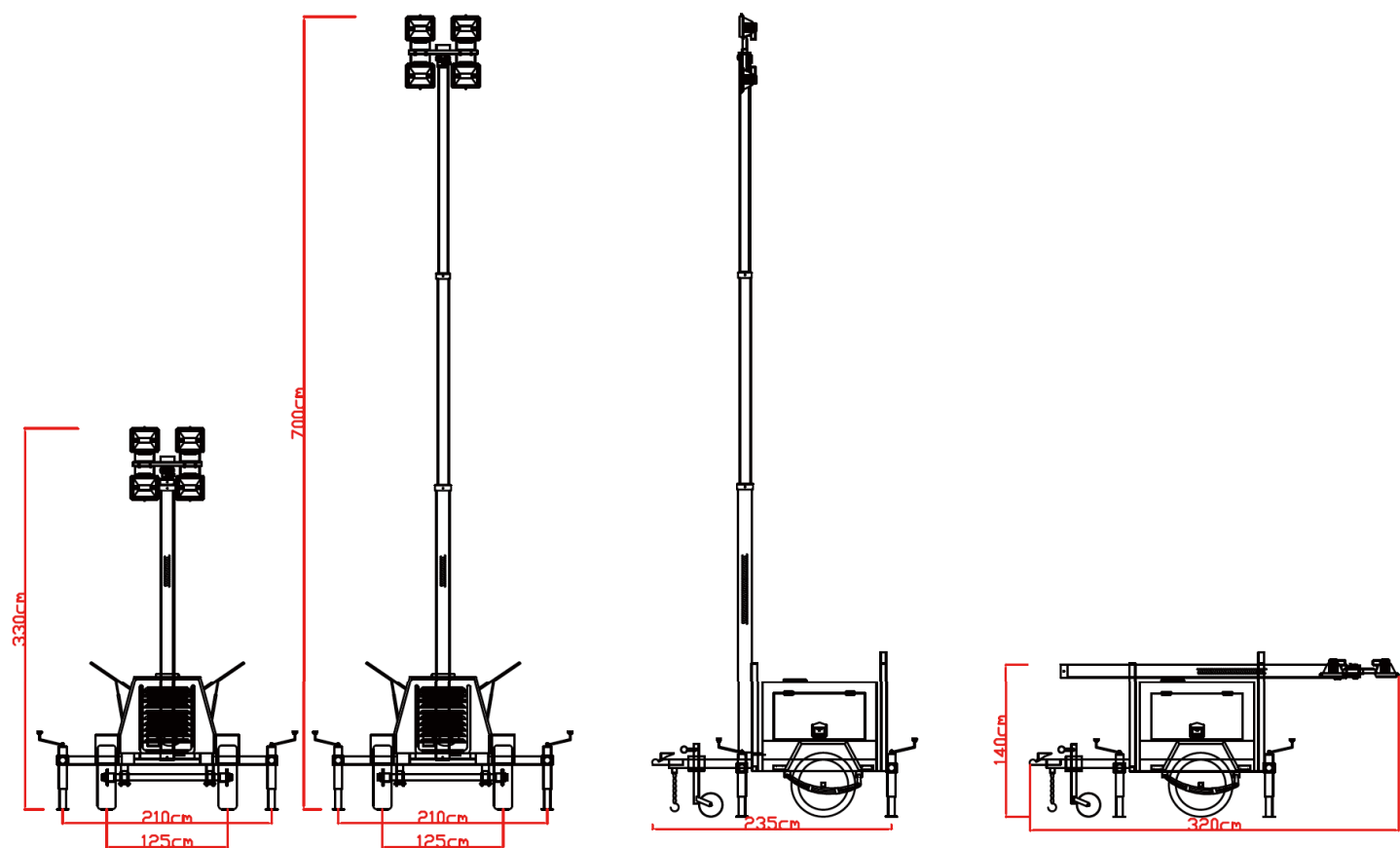
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Dimensions



Lamps Specification

4x 1000W Halogen Flood Light
Brand: Philips QV 137



Lighting Masts

6.2m Pneumatic Telescopic Mast	
Head Loads	100kgs
Extended Height	6.2m
Retracted Height	2.65m
Internal Spiral Cables	RVV 2x2.5mm ² + 4x1.5mm ²
Number of sections	3
Base Section Dia.	118mm



Generator Sets

Alternator	Rated frequency(Hz)	50	60
	Rated Output(KW)	4.6	5.0
	Max Output(KW)	5.0	5.5
	Rated Voltage(V)	220	230
	Power Factor (cosϕ)	1.0	
Engine	Model	HP 186FA(E)	
	Type	Single-cylinder, 4 stroke, vertical, air - cooled, diesel engine	
	Starting Fashion	manual or electric start	
Generator Set	Fuel Tank Capacity	25	
	Continuous Running time (H)	12 hours	



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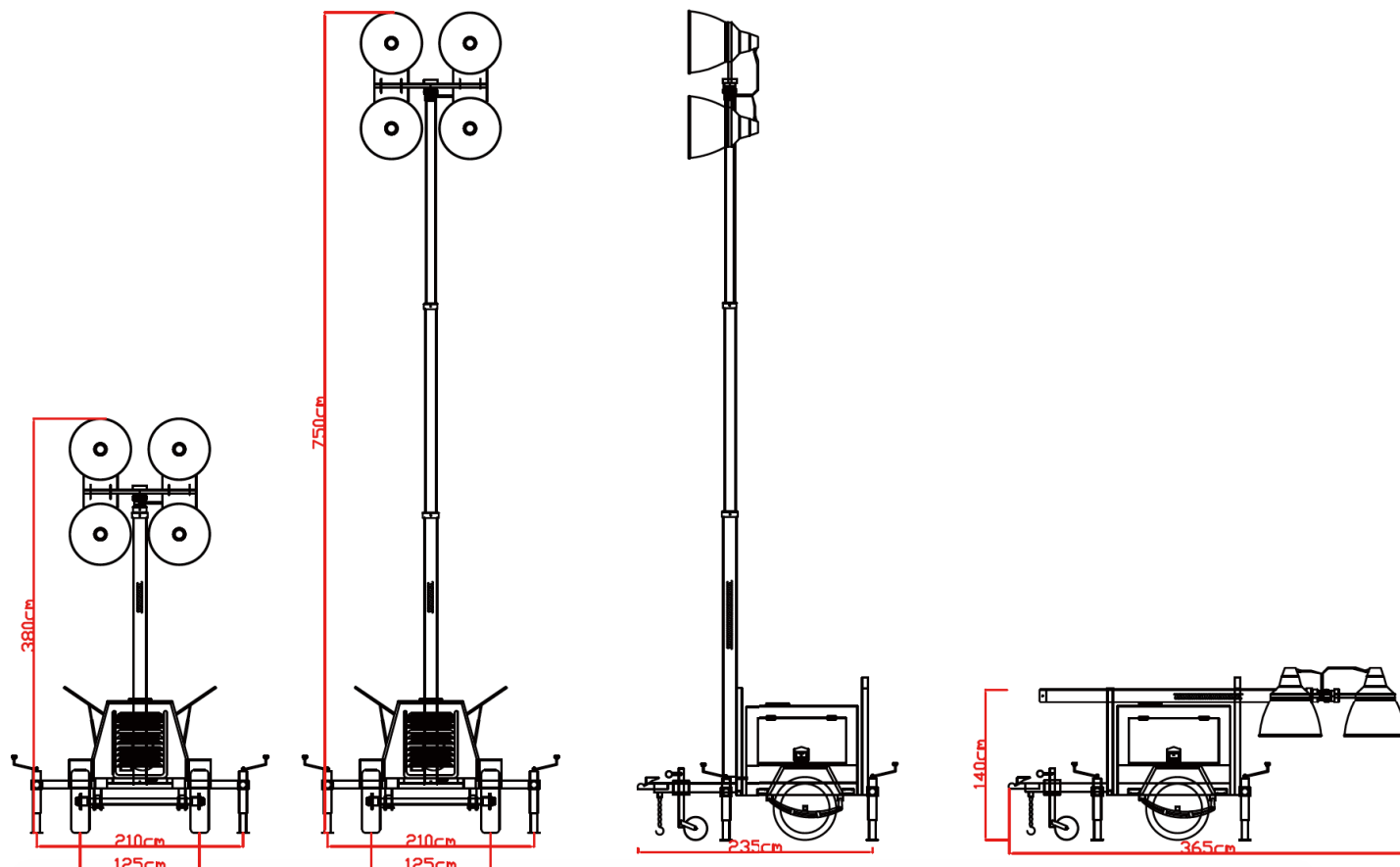
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Dimensions



Lamps Specification

4x 1000W Metal Halide Lamps



Lighting Masts

6.2m Pneumatic Telescopic Mast	
Head Loads	100kgs
Extended Height	6.2m
Retracted Height	2.65m
Internal Spiral Cables	RVV 2x2.5mm ² + 4x1.5mm ²
Number of sections	3
Base Section Dia.	118mm



Generator Sets

Alternator	Rated frequency(Hz)	50	60
	Rated Output(KW)	5.2	5.7
	Max Output(KW)	5.7	6.2
	Rated Voltage(V)	220	230
	Power Factor (cos ϕ)	1.0	
Engine	Model	HP 188FA(E)	
	Type	Single-cylinder, 4 stroke, vertical, air - cooled, diesel engine	
	Starting Fashion	manual or electric start	
Generator Set	Fuel Tank Capacity	25	
	Continuous Running time (H)	12 hours	

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PHT-Mobile Light Tower
PHT-1400-G1-9m



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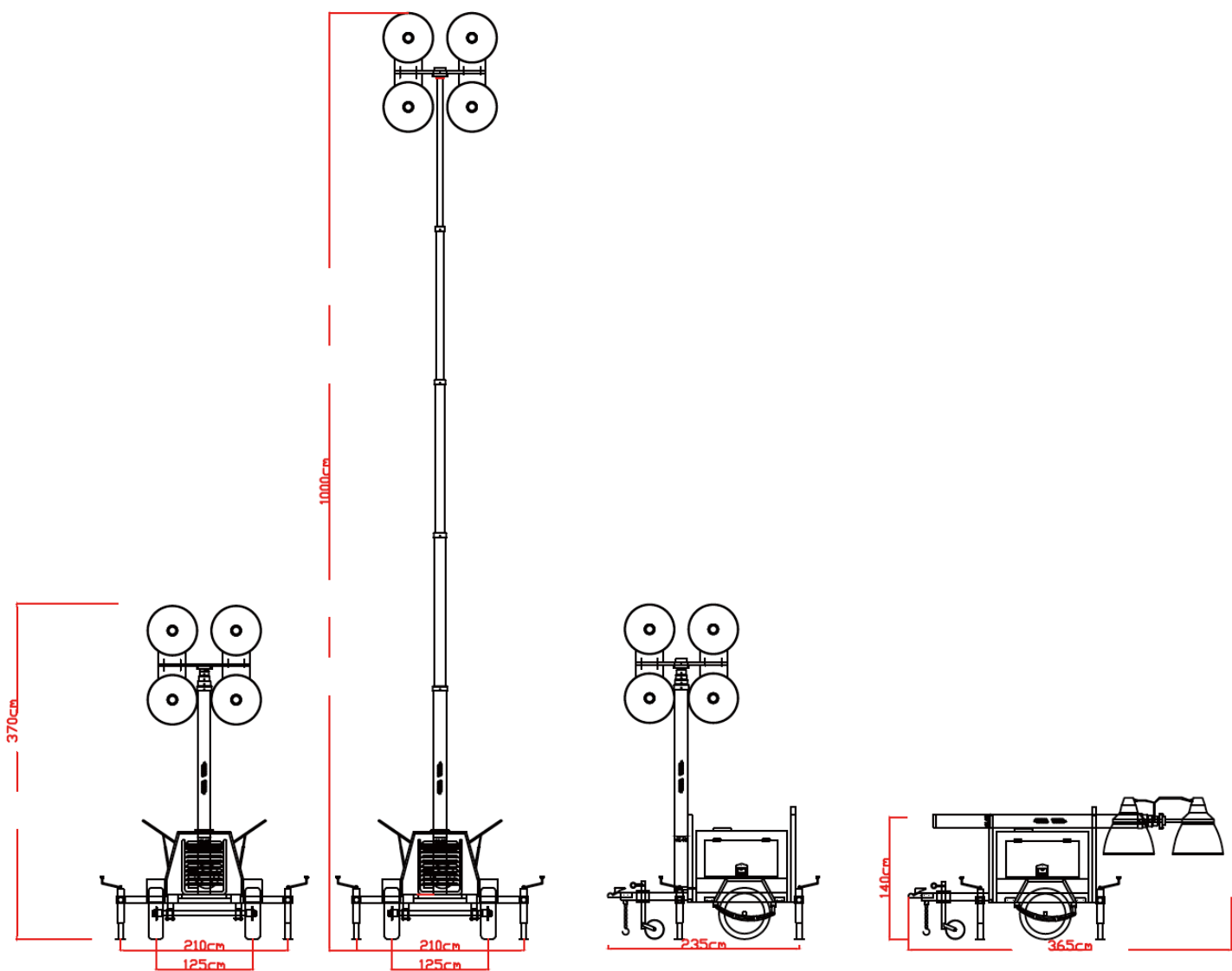
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Dimensions



Lamps Specification

4x 1000W Metal Halide Lamps



Lighting Masts

9m Pneumatic Telescopic Mast	
Head Loads	70kgs
Extended Height	9m
Retracted Height	2.5m
Internal Spiral Cables	RVV 2x2.5mm ² + 4x1.5mm ²
Number of sections	5
Base Section Dia.	140mm



Generator Sets

Alternator	Rated frequency(Hz)	50	60
	Rated Output(KW)	5.2	5.7
	Max Output(KW)	5.7	6.2
	Rated Voltage(V)	220	230
	Power Factor (cosϕ)	1.0	
Engine	Model	HP 188FA(E)	
	Type	Single-cylinder, 4 stroke, vertical, air - cooled, diesel engine	
	Starting Fashion	manual or electric start	
Generator Set	Fuel Tank Capacity	25	
	Continuous Running time (H)	12 hours	

Parts Pictures



Testing Pictures

