

**High Mast 35M View**

Height	35m	Steel	Q235
Thickness	6mm & 8mm & 8mm & 10mm		
Upper caliber	320mm	Bottom caliber	900mm
Flange	975*35 mm	IP Grade	IP65
Nti-electric shock rate:	I	Seismic Rating	8
Wind loading rating	39M/S		
Lamp Mounting Ring Shape	Asymetrical 2 Levels Eash Of # 6 LED		
Lightsource	# 12 LED X 300 WAH		
Foundation Kit	M42*1250mm with twin templates		
Surface treat	Galvanized not less than 80 microns and plastic spraying and not less than 100microns , whole pole waterproof treatment		



**SPECIFICATION**

Input power: 300W  
 Input voltage: AC 110V-260V/50-60Hz  
 LED quantity: 300 pcs  
 Lamp's luminous flux:19500Lm min.  
 Color rendering index: more than 40  
 Correlated color temperature: 3000K-3600K  
 Power supply efficiency: 70% min.  
 THD(total harmonic distortion): less than 20%  
 Power factor: 0.92 min.  
 Protection grade: IP65  
 Ambient environment: -40 °C to 50 °C  
 Relative humidity: 10%-95%.  
 Life span: more than 50000hours  
 Suggested mounting height: 32-49 ft



**LED Lamp 2 years warranty**

**PACKAGING**

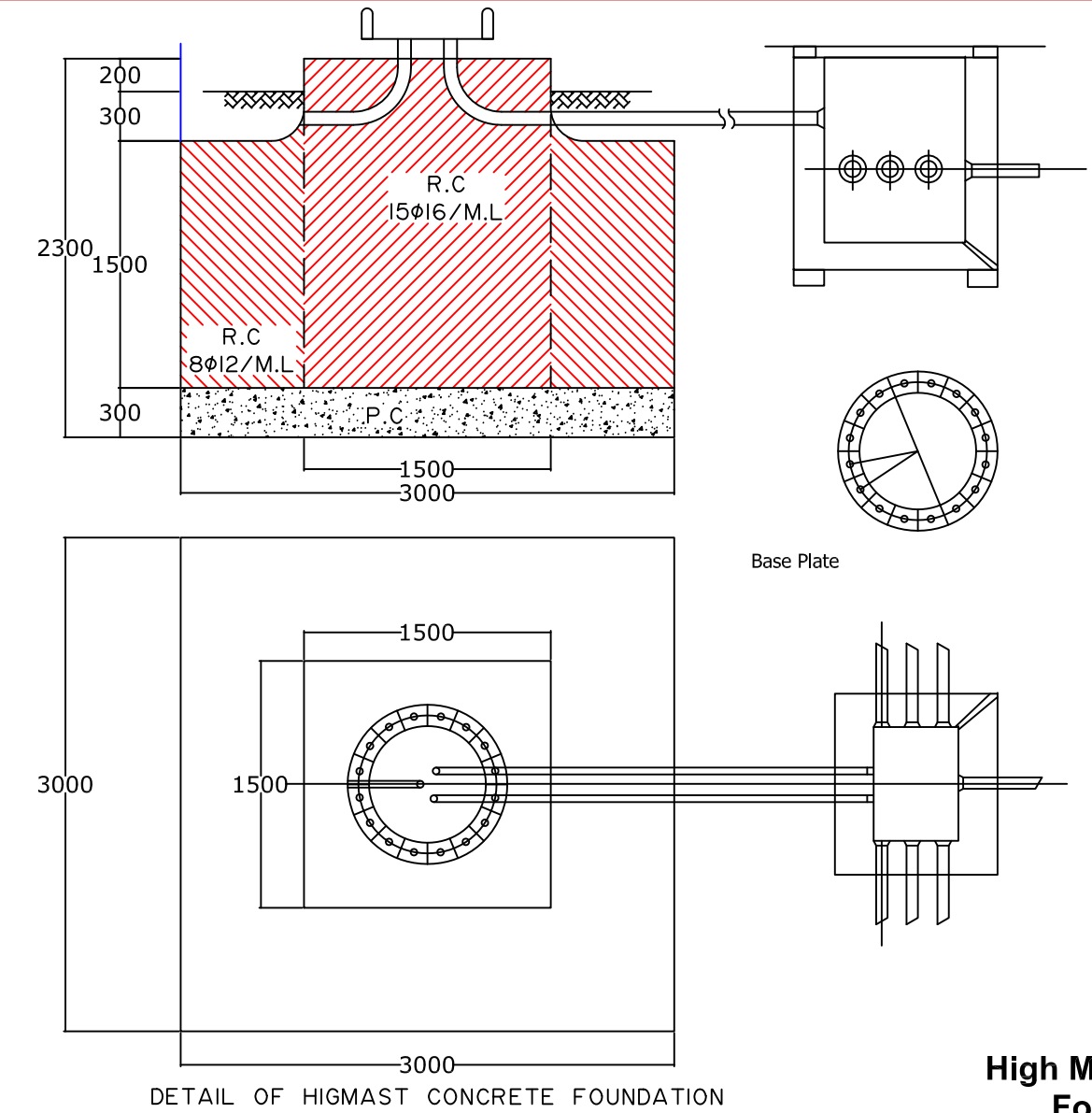
- 1) Individual packaging (paper box) for each parts. Lamp in wooden case.
- 2) Pole is wrapped with felt or similar wrappings inside and air bulb film or polywoven film outside.
- 3) Size of package will be advised when we finish production.

Installed on # 12 LED X 300W, on Two Levels, Each of # 6 LED - Spare Parts # 03 LED X 300W

**High Mast LED 300W Lighting Fixture**



**High Mast Control Panel**



**High Mast Concrete Foundation**

**Note**  
 Offer / Proposal based on Normal Soil Case of ground, If Ground "acc. to Soil Test & Report" requiring Soil Substitution or any type of Piles - Then Client will pay its additional Cost acc. to its commercial quote submitted by BADRY.

**Bill of Materials**

Part Name	Qty	Description	Material
Enclosed pulley shelf	1	900mm	Hot dip galvanized
Fixture mounting ring	1	900mm	Hot dip galvanized
Alignment system brackets	2	Yellow	Hot dip galvanized
Junction box bracket	1	Yellow	Hot dip galvanized
Junction box cable clamp	1	Yellow 10mm x 30mm x 3mm	Hot dip galvanized
Electric motor	1	380V/500rpm	Cold galvanized
Pulley	1	70mm	Cold galvanized
Crank handle insert	1	42mm x 25mm x 50mm	Cold galvanized
Four pin plug	1	1.5m	Cold galvanized
Electric motor power cable	1	1.5m	Cold galvanized
Windlass	1	Includes gearbox, clutch & pulley	Stainless steel
Junction box	1		Stainless steel
Machine oil	1		
Main lowering cable	1	9.3mm (7 x 19)	Stainless steel
Lowering cables	3	6mm (7 x 19)	Stainless steel
Power cable	1	4 core & earth	Cold galvanized
Lowering cable clamps	3		Cold galvanized
Plastic bush	2		
Termination plate	1		Hot dip galvanized
Cable termination wedge	3		Hot dip galvanized
Main lowering cable yoke	1		Stainless steel
Main lowering cable clamp	2	10mm	Stainless steel
Main lowering cable clamp	1	12mm	Stainless steel
Button head bolts	7	M6 x 25mm	Stainless steel
Electrical control panel	1	500mm x 220mm x 130mm	Cold galvanized
Clamping bar	1	180mm x 25mm x 1mm	Stainless steel
Lowering cable termination system sheath	3		Hot dip galvanized
Lowering cable termination system wedge	3		Hot dip galvanized
Lowering cable termination system belaying box	3		Stainless steel
Lowering cable termination system clamp	2	6mm	Hot dip galvanized
Indicator discs	3	Reflective red	Stainless steel
Drive belts	2		
Lightning rod decorative cover plate	1	200mm	Aluminum
Compression spring	3		Hot dip galvanized
Screws	9	M6 x 12mm	Stainless steel
Connecting nut	3	M32	Stainless steel
Guide arm	3	Includes plastic roller	Hot dip galvanized
Connecting bar	3	30mm x 6mm x 627mm	Hot dip galvanized
Connecting rod	2	M20mm x 500mm	Hot dip galvanized
Guide arm spring	2	M20mm x 657mm	Stainless steel
Alignment system connecting pin	6	12mm x 62mm	Stainless steel
Alignment system split pin	6	3.2mm x 20mm	Stainless steel
Alignment system bush	2	20mm	Stainless steel
Windlass mounting bolt	4	M16 x 40mm - 60mm	Stainless steel
Electric motor mounting bolt	4	M8 x 45mm	Stainless steel
9mm square washer	4	40mm x 40mm x 3mm	Stainless steel
Electrical control panel mounting nut	4	M8	Stainless steel
Electrical control panel cable clamp bolt	1	M6 x 30mm	Stainless steel
Lightning rod mounting bolt	3	M10 x 30mm	Stainless steel
Enclosed pulley shelf mounting bolt	6	M20 x 70mm	Stainless steel
2mm square washer	6	40mm x 40mm x 3mm	Cold galvanized
Indicator disc mounting bolt	6	M5 x 8mm	Stainless steel
Lightning rod decorative cover plate mounting bolt	3	M8 x 25mm	Stainless steel
Insulation tape	1	Roll	
Removable support arm	3		Hot dip galvanized
Crank handle	1		Cold galvanized
Raise & lower control box	1		Cold galvanized
Fixture testing lead	1		Four pin to five pin
Wooden leveling blocks	6		Includes bolt & wing nut

**High Mast Components Bill Of Material (BOM)**

**TITAN CEMENT EGYPT**  
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 Sheraton Helwan Plaza Helwan, Cairo, Egypt  
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 Fax: +202 26 69 6192

**ASA**  
 ASEC Automation Co. (ASA)  
 Address: 6 Street 308, New Mansh, Cairo, Egypt A.R.E  
 Office Phone: 2704 2601, Fax: 2703 2948

**PROJECT:**  
**SITC Lighting High Mast 35M Height**  
 C/W Lifting System, Movable Bracket,  
 # 12 LED 300W Lighting Fixtures  
 PO # 404.1009850001  
 BADRY Quotation Number 1024-1/044/1234

**DESIGNER & MANUFACTURER:**  
**BADRY Lighting**  
 شركة البدي لتصنيع الارتفاعات والمواري  
 BADRY Pole High Mast Fabrication Co.

**CONTRACTOR:**  
**BADRY Lighting**  
 شركة البدي للإضاءة المتخصصة  
 BADRY Lighting Professionals Co.

**DRAWING TITLE:**  
 High Mast 35M Details Drawing

DRAWN BY	MR. ARMED FOHALAF	CHECKED BY	BADRY High Mast Co.	APPROVAL	DATE
CONSTRUCTION MANAGER	ENG. DAHA HAMEZ	OPERATIONS MANAGER	Eng. Hany El-Bady	LOCAL CONSULTANT APPROVAL	
DATE	26-4-2023	APPROVED BY	BADRY GROUP	ASA - ASEC	
SCALE	TO FIT	TECHNICAL MANAGER	ENR. MOHAMED HUSSEIN	CLIENT APPROVAL	
DRAWING NO.	1M35-ASA-DTL5-001	REVISION	0	ASEC Authority	