

TECHNICAL CHARACTERISTICS

COMPLIANCE WITH STANDARDS

EN 60598-1 - EN 60598-2-5 - DIN 18032-3

MATERIALS AND FINISHES

Casing:	die-cast aluminium
Corrosion-proof treatment:	"ALODINE 1200"chromate treatment
Painting:	polyester graphite grey
Dish:	aluminium 99.85 polished and anodized
Shield:	tempered glass Impact resistance: 7 J
Seal:	silicone
Screws:	stainless steel
Anti-condensate device:	microporous membrane filter

WIRING

Supply unit:	external in box
Box:	die-cast aluminium
Corrosion-proof treatment:	"ALODINE 1200"chromate treatment
Painting:	polyester graphite grey
Lampholder:	ceramic
Supply terminal:	three-pole polyamide for cables with section 4 mm ²
Cables:	Standard versions: cables in nickel-plated copper 4 mm ² , teflon insulation Versions for hot re-ignition: cables in copper 4 mm ² , silicone insulation thickness 12 mm ²
Cos φ	≥ 0.9

ACCESSORIES SUPPLIED

Safety circuit:	safety knife switch on rear lid
Bracket:	hot galvanized and painted steel
Cable gland:	technopolymer Pg 13.5 for cables Ø 6.5÷11.5 mm
Packaging:	cardboard

BEHAVIOUR WITH CHEMICAL AND CORROSIVE AGENTS*

Water	Sea air	Acids	Bases	Ketones	Spirits	Silicone oil	Oils/Greases	Petrol
Resistant	Limited resistance	Limited resistance	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant

*Value referring to aluminium coated with polyester paint. For behaviour with other chemical agents, see the section "General technical information".

COLOSSEUM RANGE

SYMMETRICAL AND ASYMMETRICAL HIGH-POWER FLOODLIGHTS



TECHNICAL CHARACTERISTICS

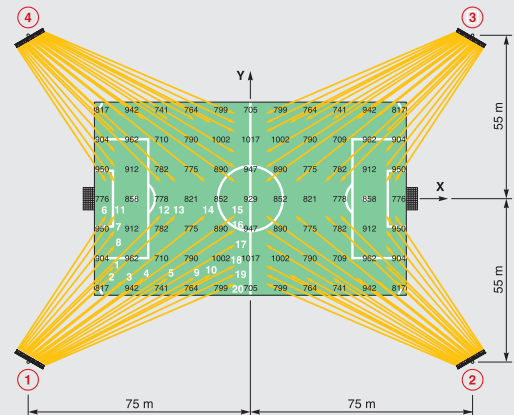
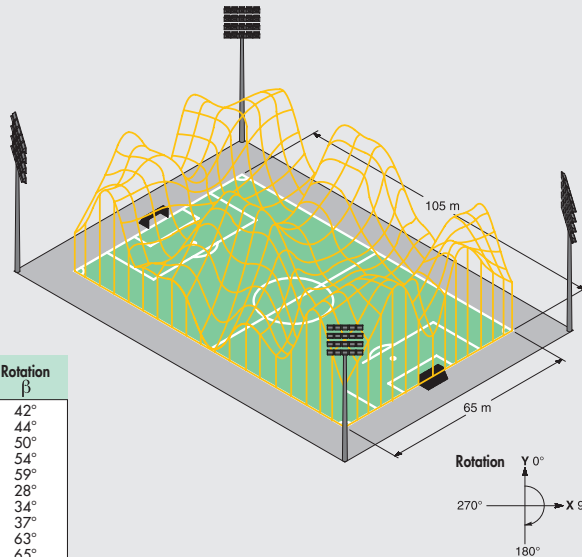
DESIGN SOLUTIONS

Requirement:

Lighting football field 105x65 m, in accordance with CIE recommendations for holding competitions at an international level.

AIMING reference pole ①

Floodlight N°	Elevation α	Rotation β
1	52°	42°
2	48°	44°
3	51°	50°
4	55°	54°
5	58°	59°
6	58°	28°
7	57°	34°
8	55°	37°
9	61°	63°
10	63°	65°
11	59°	31°
12	63°	42°
13	64°	45°
14	66°	50°
15	68°	54°
16	67°	57°
17	67°	60°
18	66°	65°
19	65°	67°
20	65°	69°



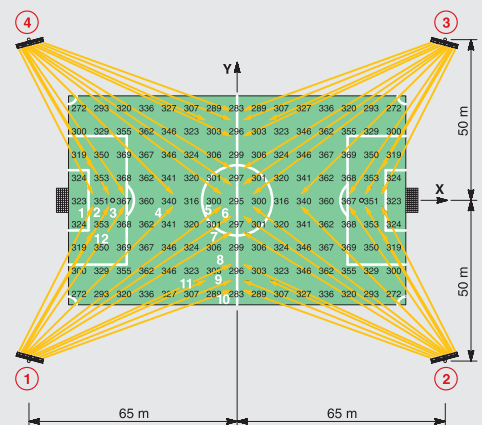
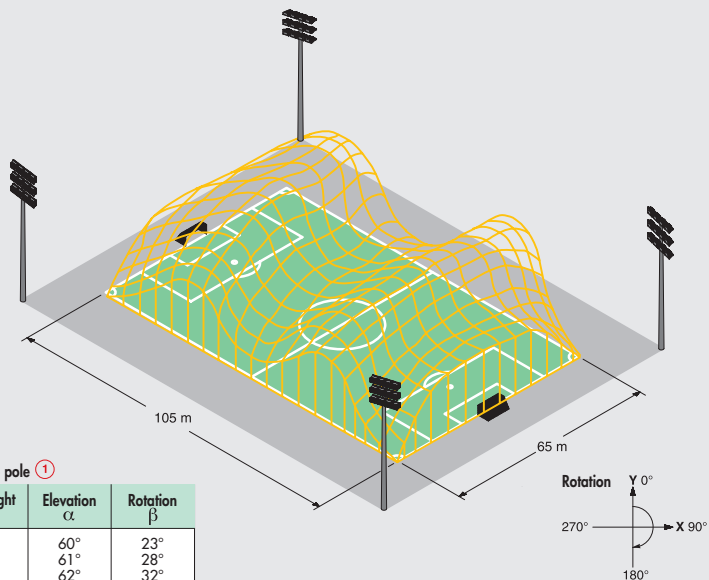
Luminaire Code	Type of optics	Type of lamp	Total Power kW	Pole height (m a.g.)	N° poles	N° floodlights per pole	Total N° floodlights	Average lighting E _m (lux)	Uniformity E _{min} /E _{med} /E _{max}
GW 84 657	RESTRICTED BEAM CIRCULAR	MN2000W	167	35	4	20	80	849	0.83 0.69

Requirement:

Lighting football field, 105x65 m, in accordance with CIE recommendations for holding at a national level (amateurs).

AIMING reference pole ①

Floodlight N°	Elevation α	Rotation β
1	60°	23°
2	61°	28°
3	62°	32°
4	65°	43°
5	69°	51°
6	69°	54°
7	68°	58°
8	67°	65°
9	66°	68°
10	66°	71°
11	64°	66°
12	56°	27°



Luminaire Code	Type of optics	Type of lamp	Total Power kW	Pole height (m a.g.)	N° poles	N° floodlights per pole	Total N° floodlights	Average lighting E _m (lux)	Uniformity E _{min} /E _{med} /E _{max}
GW 84 644	DIFFUSED SYMMETRICAL	MN2000W	100	30	4	12	48	327	0.83 0.74

COLOSSEUM RANGE

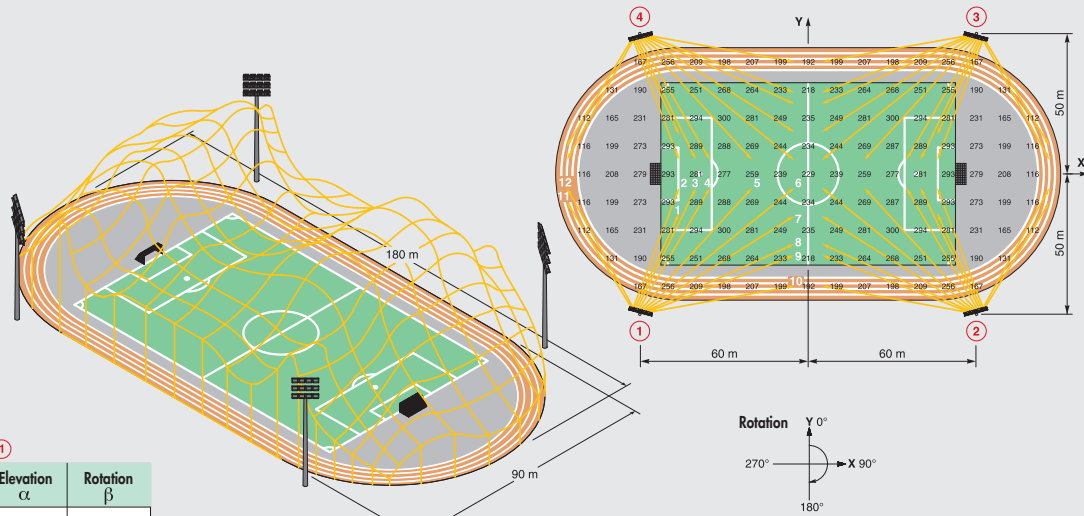
SYMMETRICAL AND ASYMMETRICAL HIGH-POWER FLOODLIGHTS



TECHNICAL CHARACTERISTICS

Requirement:

Lighting football field 105x65 m + track, in accordance with CIE recommendations for holding competitions at a national level (amateurs).



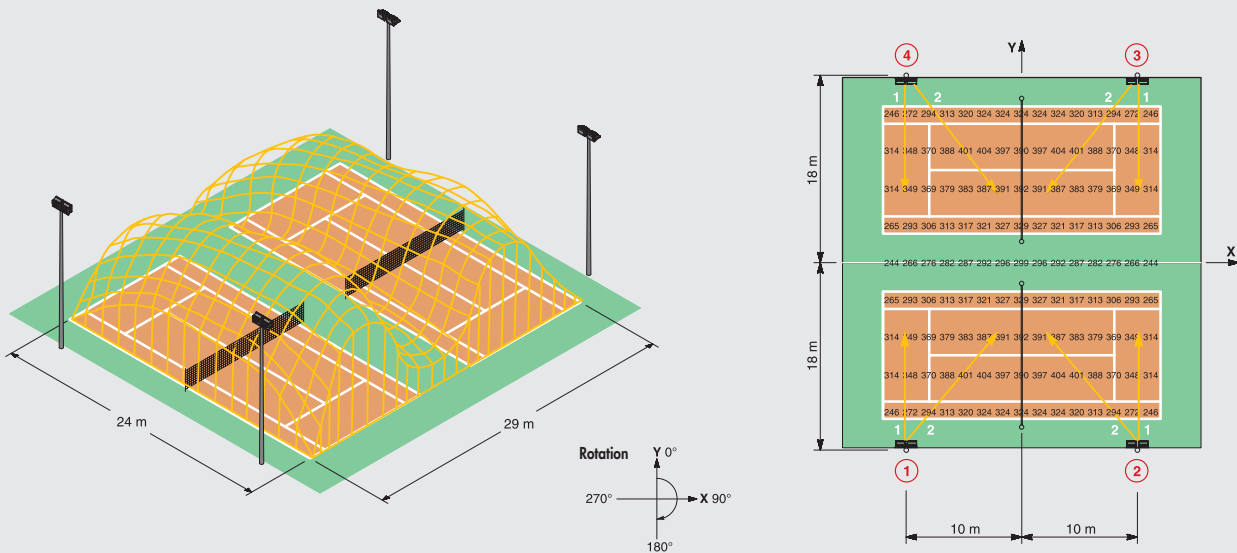
AIMING reference pole ①

Floodlight N°	Elevation α	Rotation β
1	52°	23°
2	58°	18°
3	59°	24°
4	60°	29°
5	64°	42°
6	67°	51°
7	65°	58°
8	64°	66°
9	63°	68°
10	62°	80°
11	58°	328°
12	60°	331°

Luminaire Code	Type of optics	Type of lamp	Total Power kW	Pole height (m a.g.)	N° poles	N° floodlights per pole	Total N° floodlights	Average lighting E m (lux)	Uniformity E min/E med E min/E max
GW 84 644	DIFFUSED SYMMETRICAL	MN2000W	100	30	4	12	48	267 (field) 175 (track)	0.82 0.73 0.64 0.43

Requirement:

Lighting double tennis court, 29x24 m, in accordance with the CIE recommendations for competitions at a national level (amateurs).



AIMING reference pole ①

Floodlight N°	Elevation α	Rotation β
1	45°	0°
2	50°	34°

Luminaire Code	Type of optics	Type of lamp	Total Power kW	Pole height (m a.g.)	N° poles	N° floodlights per pole	Total N° floodlights	Average lighting E m (lux)	Uniformity E min/E med E min/E max
GW 84 647	DIFFUSED SYMMETRICAL	MT1000W	8,5	12	4	2	8	332	0.74 0.60

COLOSSEUM RANGE

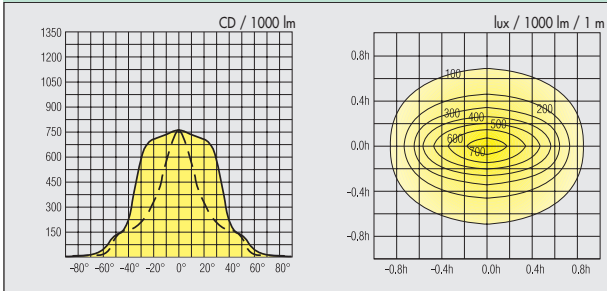
SYMMETRICAL AND ASYMMETRICAL HIGH-POWER FLOODLIGHTS



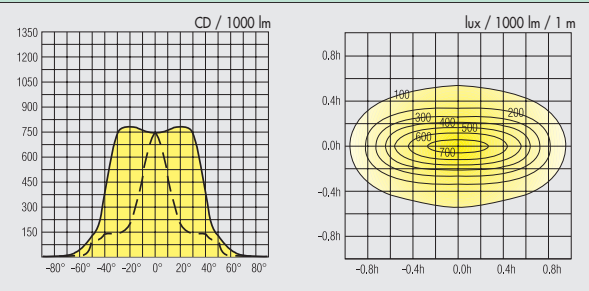
TECHNICAL CHARACTERISTICS

PHOTOMETRIC CURVES

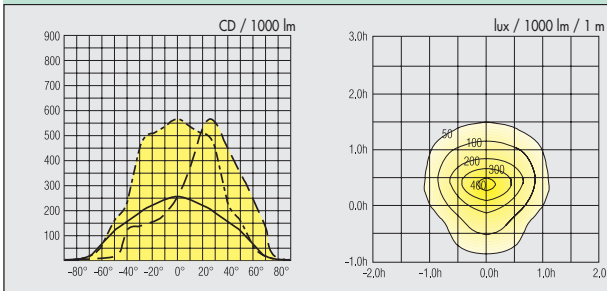
1000W MT/ST - DIFFUSED SYMMETRICAL OPTICS



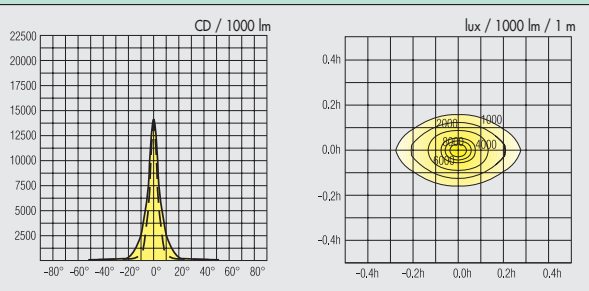
2000W MN - DIFFUSED SYMMETRICAL OPTICS



1000W MT/ST - DIFFUSED ASYMMETRICAL OPTICS



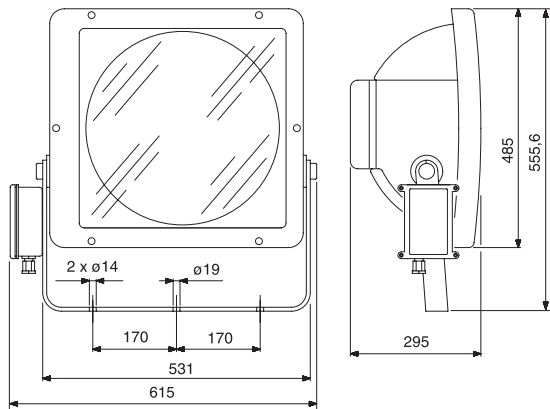
1000/2000W MN - CIRCULAR RESTRICTED BEAM OPTICS - MEDIUM BEAM



DIMENSION TABLES

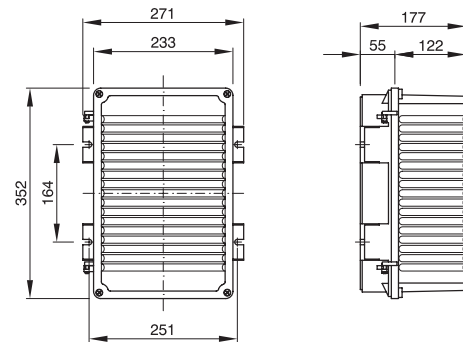
COLOSSEUM

Surface area exposed to wind: 0.226 m²



ACCESSORIES

SUPPLY UNIT



VISOR

