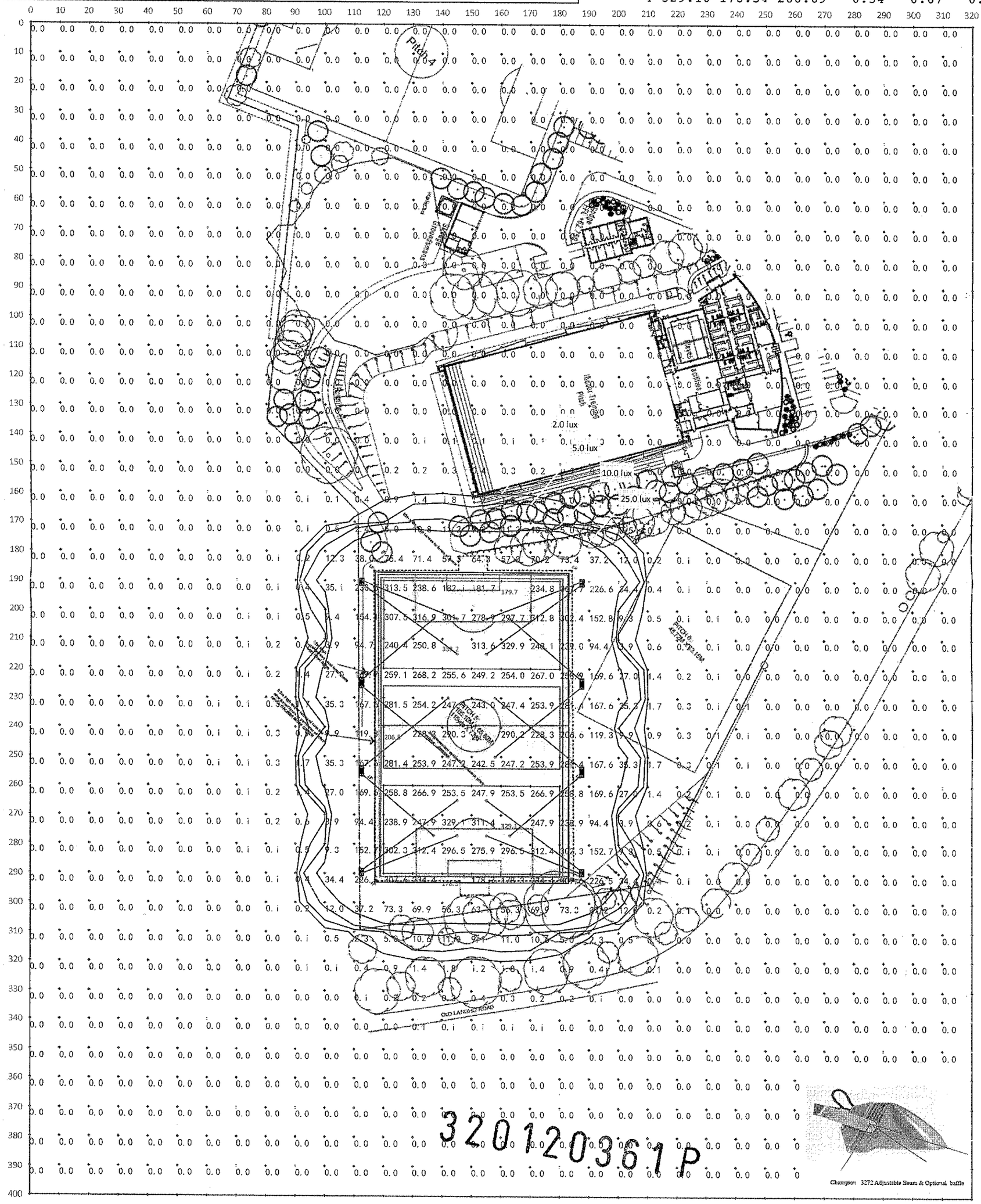
Christy Lighting Ltd Blackburn Rovers Soccer Pitch - Blackburn816aa -F ence 106m*66m-200 Lux

15-May-2012 (Horizontal)

Horizontal IlluminationProposed Scheme 200 Lux standard 10m Grid.
Contour lines showing levels of Spill Light Intensity for compliance with BS.EN 12193

Illuminance results (Horizontal)

	Max	Min	Avg	Div	Unif	UF
1	333.20	178.34	264.26	0.54	0.67	0.47
2	333.20	179.69	268.68	0.54	0.67	0.36
3	291.12	206.55	255.15	0.71	0.81	0.49
4	329.10	178.34	266.69	0.54	0.67	0.36



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Champion 3272 Adjustable Beam & Optional baffle

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ESSEX CM2 6UW
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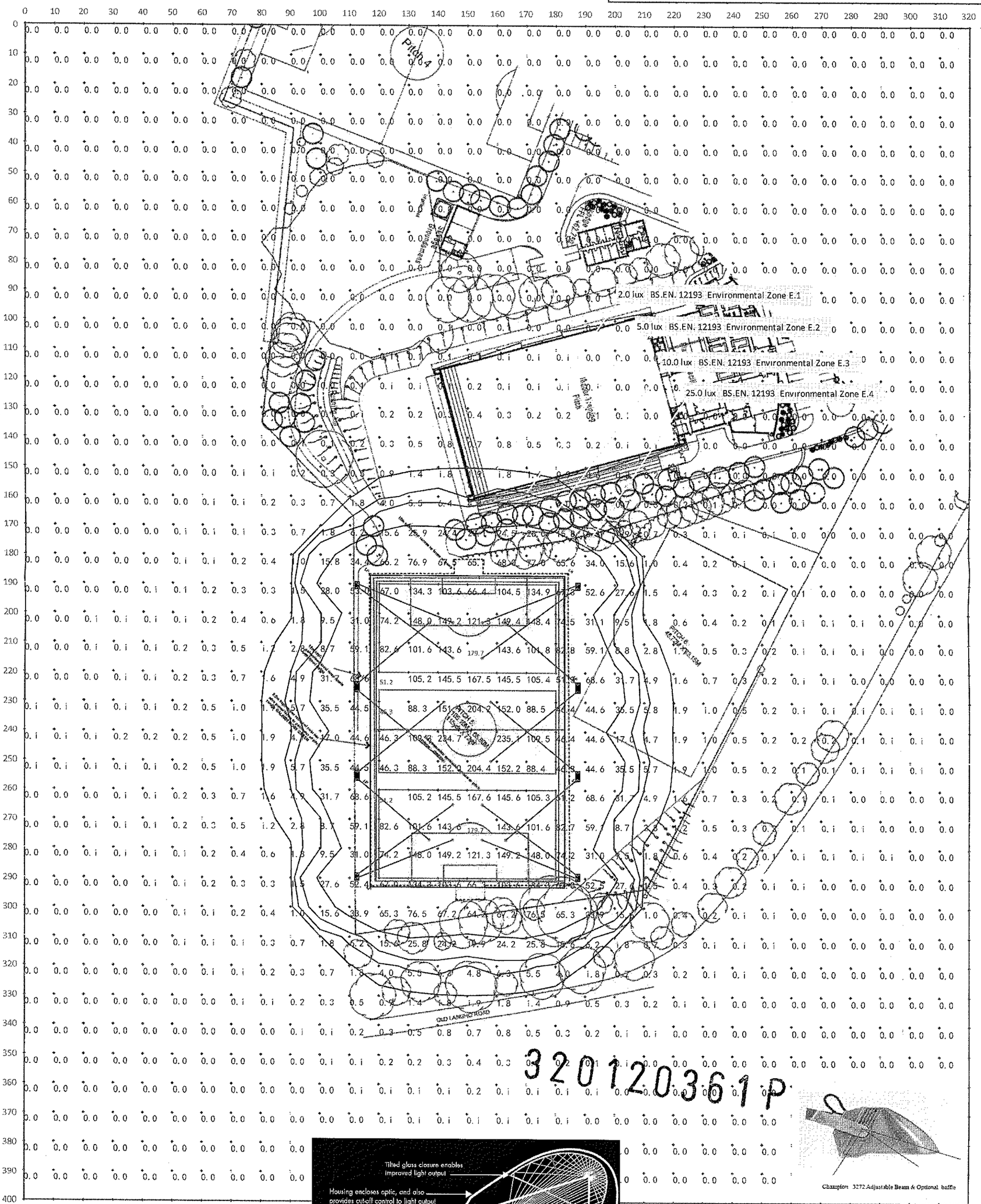
Christy Lighting Ltd Blackburn Rovers Soccer Pitch - Blackburn816aa -F ence 106m*66m-200 Lux
15-May-2012 (Normal to TV)

Maximum Vertical Illumination.
Proposed Scheme 200 Lux standard - 10m Grid.
Contour lines showing levels of Spill Light Intensity for compliance with BS.EN 12193
Environmental Zones E.1 to E.4



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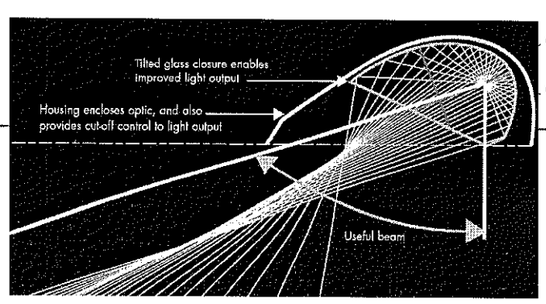

Champion 3272 Adjustable Beam & Optional baffle

BS.EN. 12193

Table i – Obtrusive Light Limitations for Exterior Lighting Installations

Environmental Zone	Sky Glow ULR [Max %] [1]	Light Trespass (into Windows) Ev [Lux] [2]		Source Intensity I [kcd] [3]		Building Luminance Pre-curfew [4]
		Pre- curfew	Post- curfew	Pre- curfew	Post- curfew	Average, L [cd/m²]
E1	0	2	1*	2.5	0	0
E2	2.5	5	1	7.5	0.5	5
E3	5.0	10	2	10	1.0	10
E4	15.0	25	5	25	2.5	25

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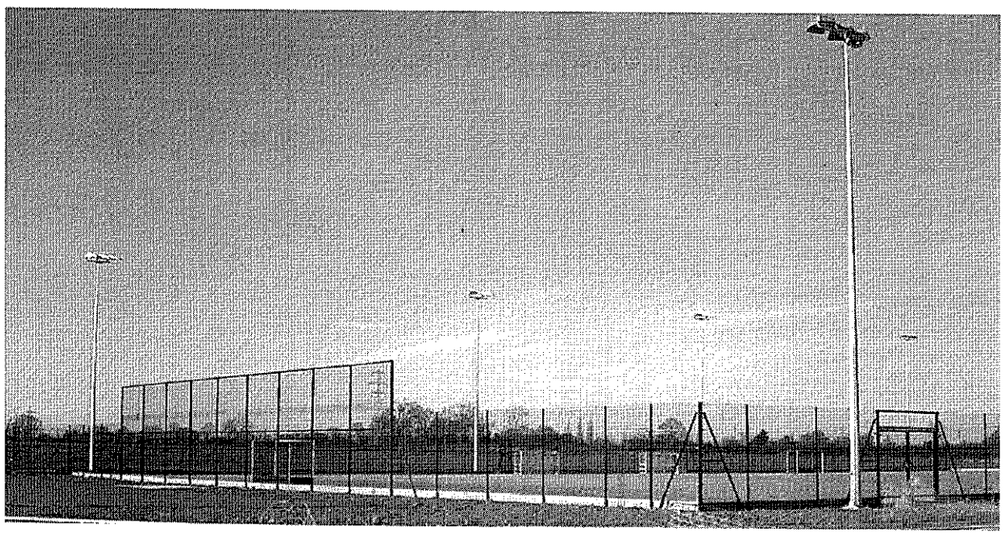
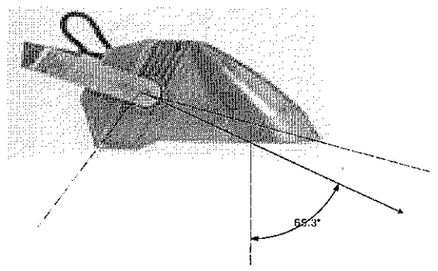
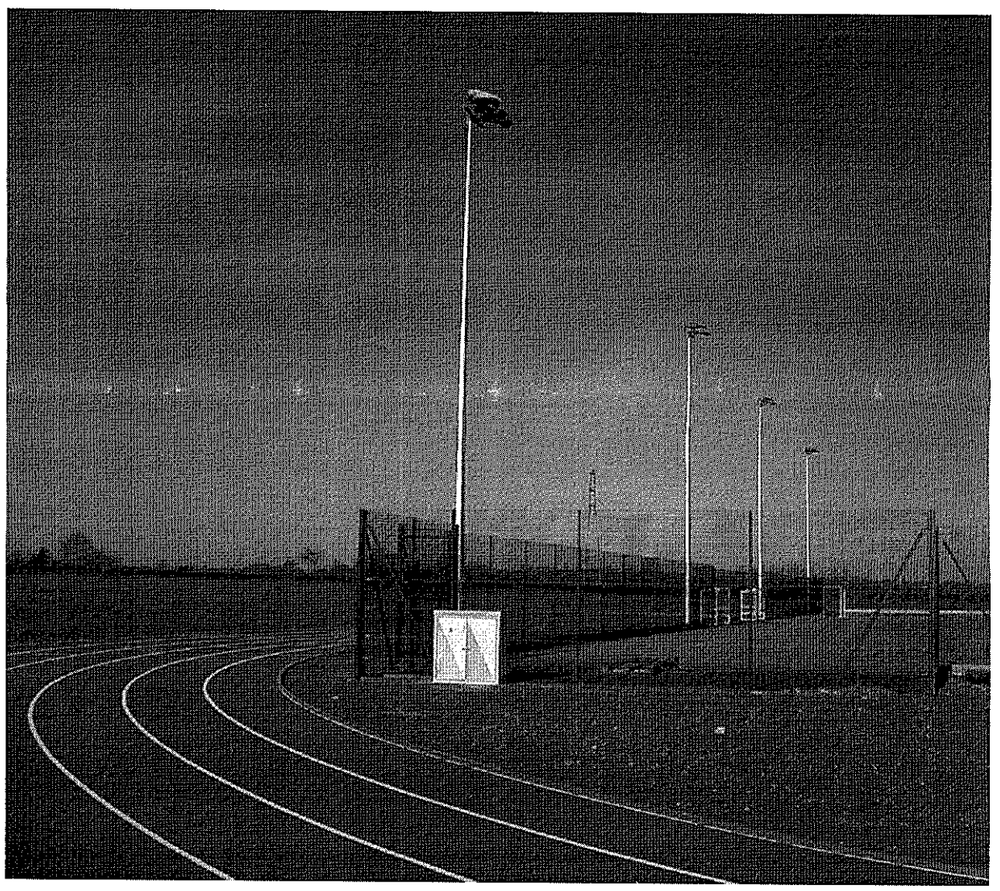
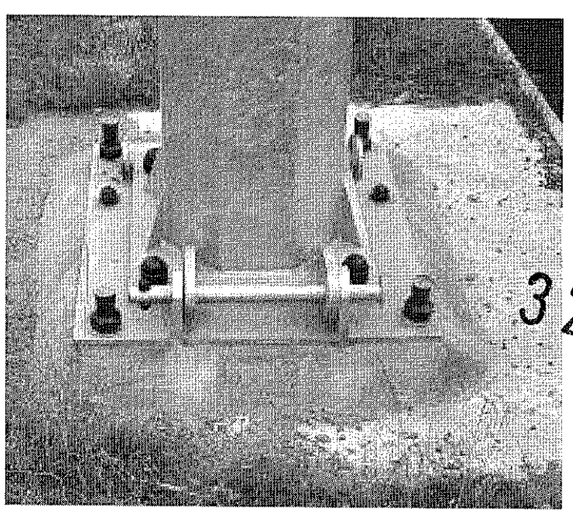
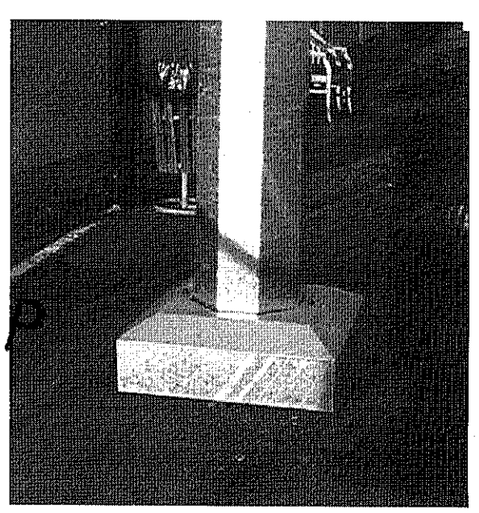








Optional Removable Base Cover



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05a - a12-0112594 -
SC15-600/6011/RL-4 13m,14m & 15m - Lighting Mast
BASE HINGED RAISE & LOWER MAST.
PREPARED FOR :-
Scale 1:50 printed on A3.

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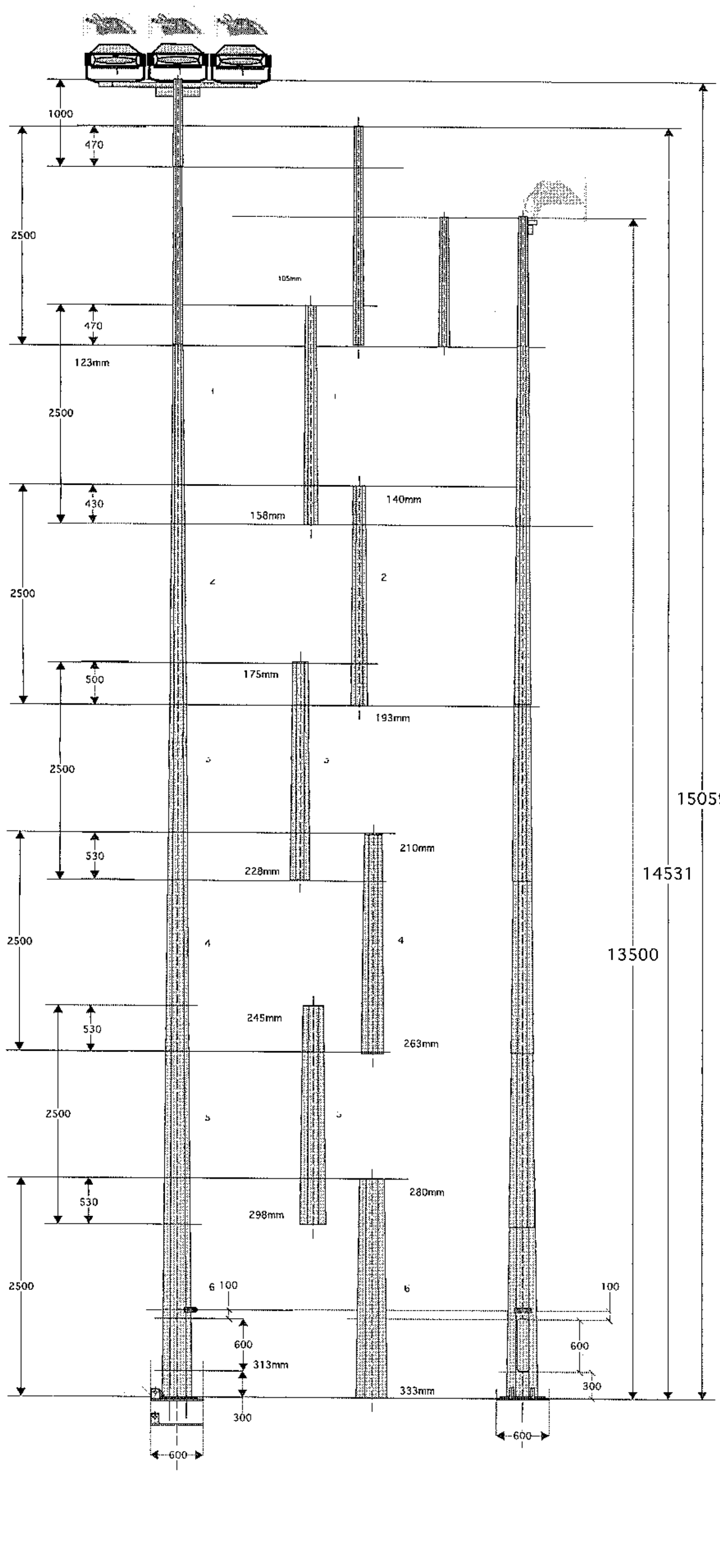
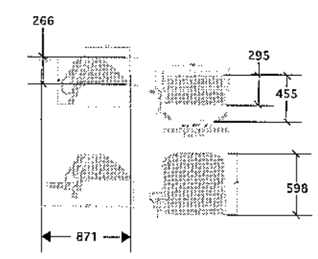
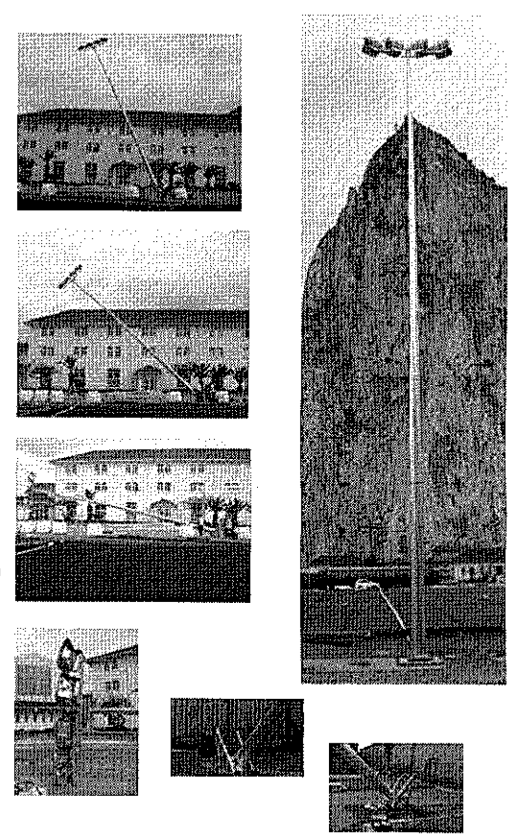
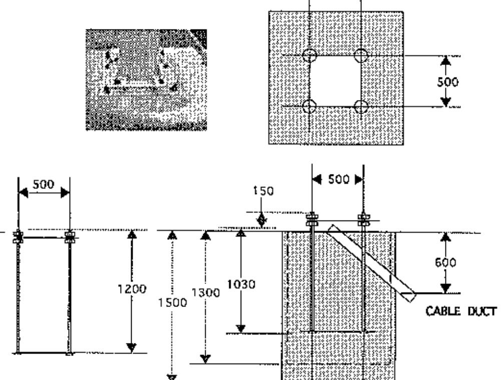






FOUNDATION BOLT CENTRES BASE SECTION 7 & 8.
PROPOSED FOUNDATION SIZE FOR :-
NORMAL SOIL CONDITIONS. -160 KN/M*M

Foundation
Bolts
M30 *1200/1000



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Christy Lighting Ltd Blackburn Rovers Soccer Pitch - Blackburn816aa -F ence 106m*66m-200 Lux 15-May-2012

note note note note note 17-2-08

Grid x0 0.00 y0 0.00 xMax 320.00 yMax 400.00

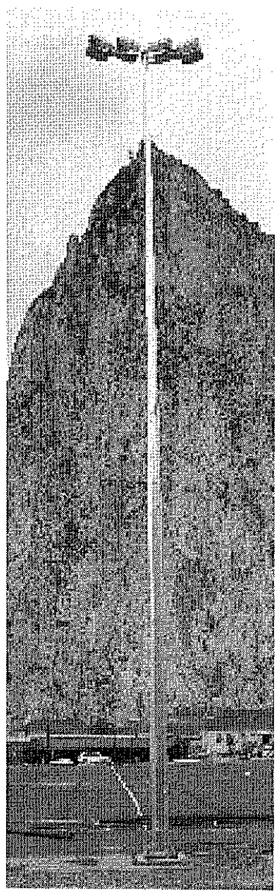
Sub-Grids

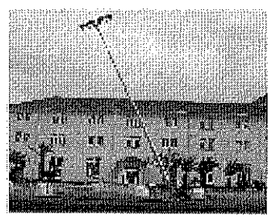
Num	x0	y0	xMax	yMax	enabled
1	119.00	189.00	181.00	291.00	YES
2	120.00	190.00	180.00	220.00	YES
3	120.00	226.00	180.00	254.00	YES
4	120.00	260.00	180.00	290.00	YES

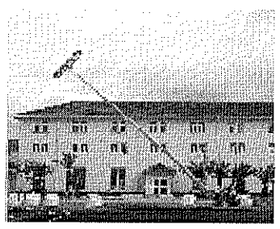
TV x 150.00 y 240.00 z 1.50

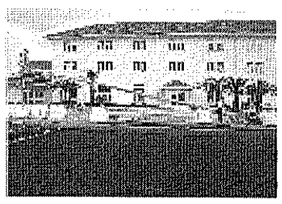
Floodlights

Num	x	y	z	elev	horz	x	y	flux	enabled	data
1	112.50	190.00	14.70	67.22	158.20	145.00	203.00	230.00	YES	3272
2	112.50	190.00	14.70	70.92	151.93	150.00	210.00	0.00	NO	3272
3	112.50	191.00	14.70	70.01	143.56	145.00	215.00	220.00	YES	3271
4	112.50	224.00	14.70	65.51	220.60	137.00	203.00	220.00	YES	3271
5	112.50	225.00	14.70	68.60	178.47	150.00	226.00	0.00	NO	3272
6	112.50	226.00	14.70	68.87	140.87	142.00	250.00	220.00	YES	3272
7	112.50	254.00	14.70	68.87	219.13	142.00	230.00	220.00	YES	3272
8	112.50	255.00	14.70	68.60	181.53	150.00	254.00	0.00	NO	3272
9	112.50	256.00	14.70	65.51	139.40	137.00	277.00	220.00	YES	3271
10	112.50	289.00	14.70	70.01	216.44	145.00	265.00	220.00	YES	3271
11	112.50	290.00	14.70	70.92	208.07	150.00	270.00	0.00	NO	3272
12	112.50	290.00	14.70	67.22	201.80	145.00	277.00	220.00	YES	3272
13	187.50	190.00	14.70	67.22	21.80	155.00	203.00	220.00	YES	3272
14	187.50	190.00	14.70	70.92	28.07	150.00	210.00	0.00	NO	3272
15	187.50	191.00	14.70	70.01	36.44	155.00	215.00	220.00	YES	3271
16	187.50	224.00	14.70	65.51	319.40	163.00	203.00	220.00	YES	3271
17	187.50	225.00	14.70	68.60	1.53	150.00	226.00	0.00	NO	3272
18	187.50	226.00	14.70	68.87	39.13	158.00	250.00	220.00	YES	3272
19	187.50	254.00	14.70	68.87	320.87	158.00	230.00	220.00	YES	3272
20	187.50	255.00	14.70	68.60	358.47	150.00	254.00	0.00	NO	3272
21	187.50	256.00	14.70	65.51	40.60	163.00	277.00	220.00	YES	3271
22	187.50	289.00	14.70	70.01	323.56	155.00	265.00	220.00	YES	3271
23	187.50	290.00	14.70	70.92	331.93	150.00	270.00	0.00	NO	3272
24	187.50	290.00	14.70	67.22	338.20	155.00	277.00	220.00	YES	3272









Accessories/Attachments
- Lux Guillotine (front and sides)
- Lux Guillotine (rear) – also known as 'adjustable visor'.
- Wire guard.
- Reverse mounting Stirrup (required for certain mounting positions).

Lamps
1/2 kW HQI-TS/S metal halide double ended (Osram) short arc

2 kW HQI-TS/L metal halide double ended (Osram) long arc

1/2 kW MHN-LA metal halide double ended (Philips) long arc

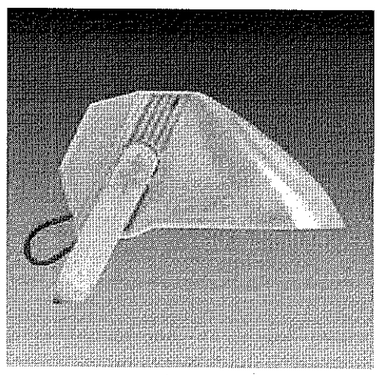
1 kW HST (ST) high pressure sodium tubular.
Cap: E40

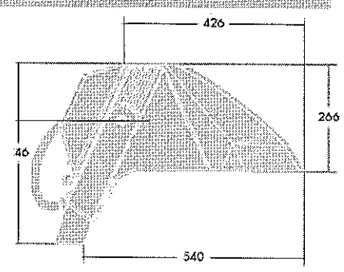
Materials/Finish
Body: die-cast aluminium (ENAB 44300), unpainted
Glass: 4mm toughened.
Wiring/ignitor box: polyamide (66 V0 Black: 20% glass fibre re-inforced).
Screws: stainless steel.

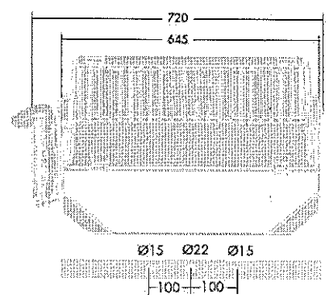
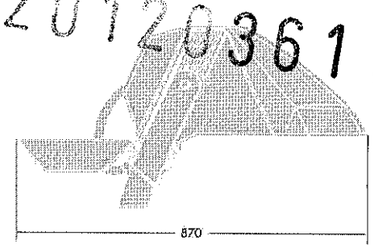
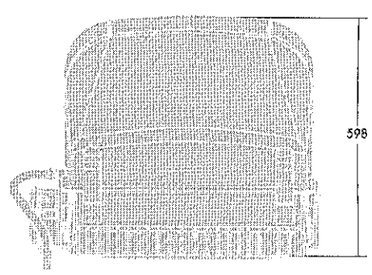
Installation/Mounting
Rear access to lamp.
Automatic power interruption on opening of rear access door.
Stirrup fixed by M20 bolt through 22mm diameter hole, or through 15mm diameter holes.
Ballast and capacitors to be mounted separately.
Cable gland for 7.5-13mm cable.

Standards
Designed and manufactured to comply with EN60598.
Class I Electrical.
Windage: 0.21m²
IP66 (including the wiring/ignitor box).
IP65 (Ignitor box for the Hot Restrike version) CE

Specification
To specify state:
Die cast aluminium asymmetric floodlight for 1/2kW lamps, IP66 rated, rear lamp access, adjustable lamp position with internally inclined front glass and integral front cowl.
As Thorn Champion.



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