



## Stockyard

Installation : 50 Lux - Using x3 18m Masts c/w x6 1kw Floods

Project number : EMAIL

Customer : City Electrical Factors Rotherham (Ian)

Processed by : Lee Kinsey

Date : 13.05.2011

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

*Guarantee claims for luminaire data are excluded.;*

Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

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## 1 Luminaire data

### 1.1 Tamlite, TAMSPORT (ITFL1000HPI/ASY)

#### 1.1.1 Data sheet

Manufacturer: Tamlite



**ITFL1000HPI/ASY EXTERIOR - Floodlights TAMSPORT**

EXTERIOR

TAMSPORT

FLOODLIGHTS

High performance large area floodlight

#### Features

Modern floodlight for use in top standard sports installations

High quality finish and performance

Symmetric reflector as standard

Supplied with remote gear pre-wired in weatherproof steel enclosure

(300mm x 200mm x 155mm)

Ignitor housed in wiring tray on rear of body

IP66

Maximum projected area front = 0.20M<sup>2</sup>

#### Construction

Die cast aluminium housing finished in grey RAL 9006

Extruded anodized aluminium closing clips with stainless steel spring

Mounting bracket in stainless steel painted in RAL9006 with clutch locking device

Graduated goniometer allows easy and accurate aiming

Hinged toughened glass

Breather gland fitted

#### To order / specify

Die cast aluminium, high performance sports floodlight for use with 1000W discharge lamps as per Tamlite 'TAMSPORT' range

#### Options

ASY Asymmetric reflector

#### Accessories

TFLWG Wire guard

TFLLH Light hood

#### Diagram Dimensions

A 550

B 663

C 293

#### Luminaire data

Luminaire efficiency : 71.4%

Luminaire efficacy : 55.48 lm/W

Classification : A40 ↓100.0% ↑0.0%

CIE Flux Codes : 44 84 99 100 72

Control gear : conventional inductive ballast, with ignition device and ignition time bypass

System power : 1094 W

Length : 550 mm

Width : 403 mm

Height : 293 mm

#### Equipped with

Number of : 1

Designation : QE

Power : 1000 W

Colour : nw/4200K

Luminous flux : 85000 lm

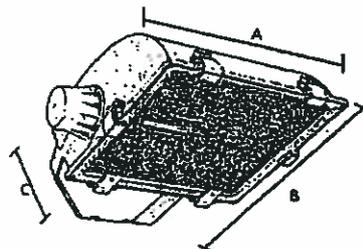
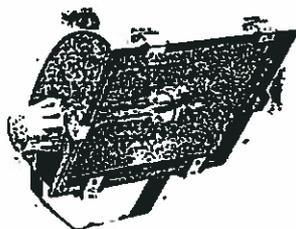
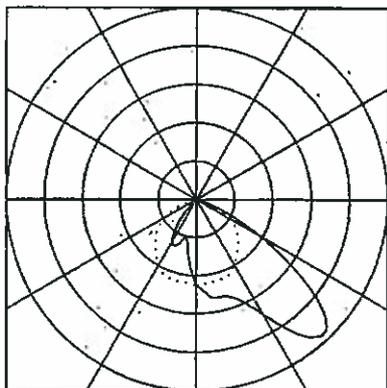
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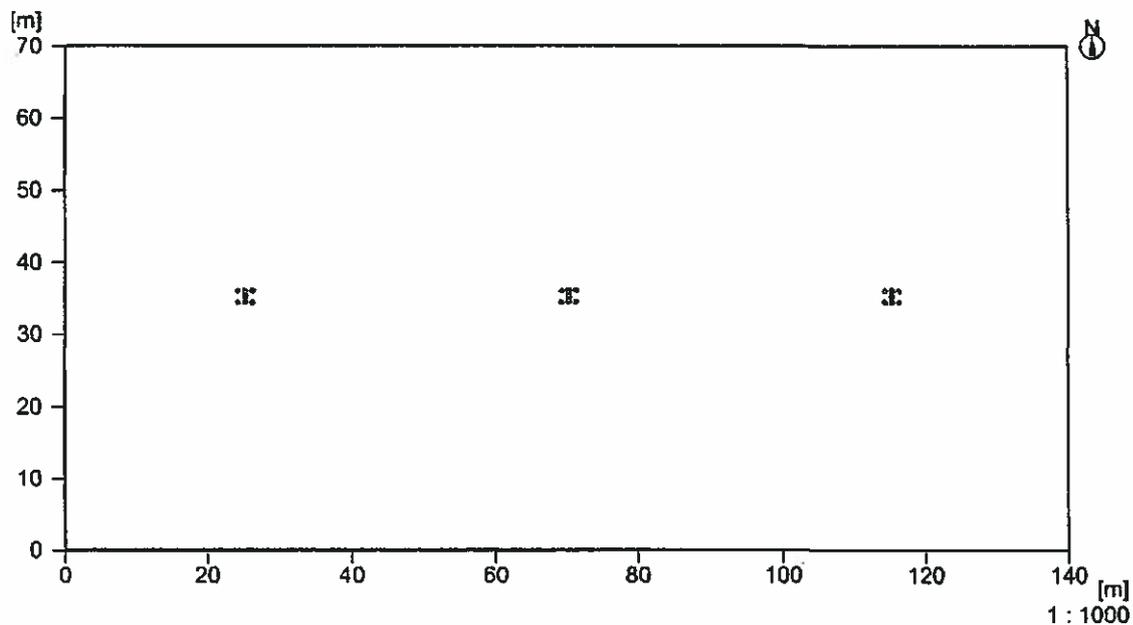


## 2 Exterior 1

### 2.1 Description, Exterior 1

#### 2.1.1 Floor plan

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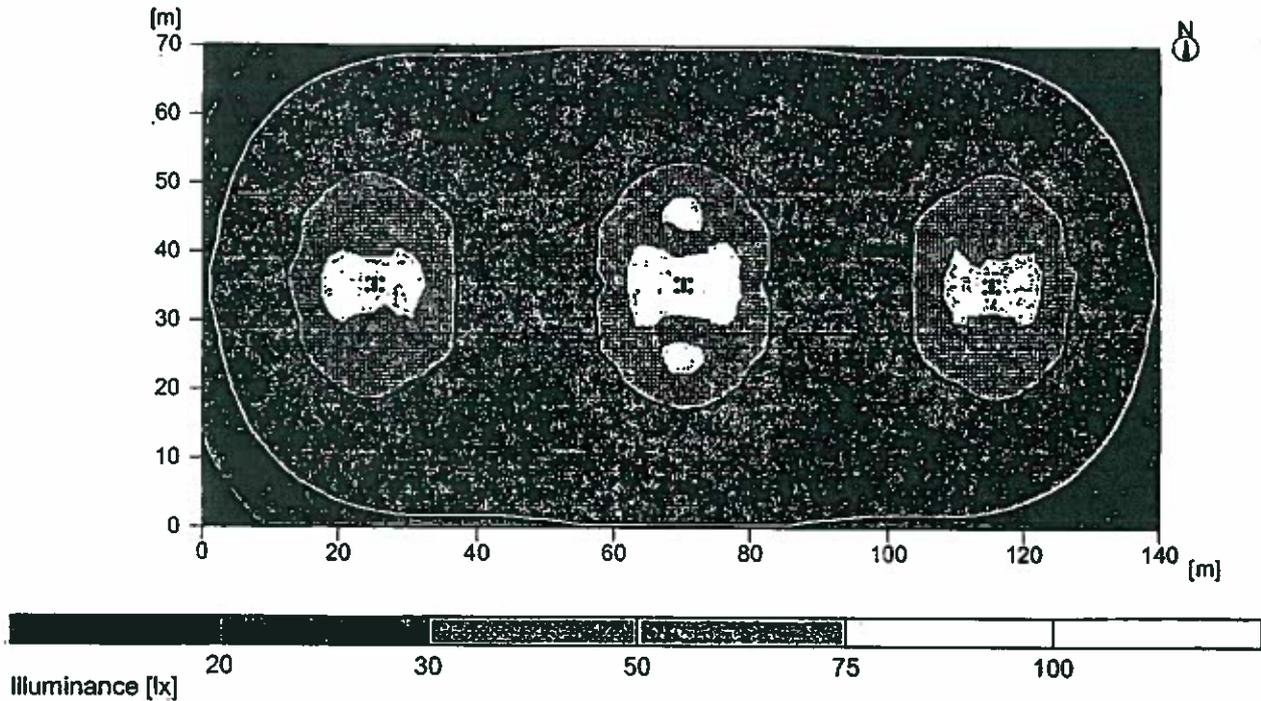
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## 2 Exterior 1

### 2.2 Summary, Exterior 1

#### 2.2.1 Result overview, Reference plane 1



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface photometric centre height. [m]:	0.00 m
Maintenance factor	18.00 m
	0.80
Total luminous flux of all lamps	1530000 lm
Total power	19692 W
Total power per area (9800.00 m <sup>2</sup> )	2.01 W/m <sup>2</sup> (3.70 W/m <sup>2</sup> /100lx)

#### Illuminance

Average illuminance	Eav	54 lx
Minimum illuminance	Emin	16 lx
Maximum illuminance	Emax	139 lx
Uniformity g1	Emin/Em	1:3.44 (0.29)
Uniformity g2	Emin/Emax	1:8.8 (0.11)

1 18



#### Tamlite

Order No. : ITFL1000HPI/ASY  
 Luminaire name : TAMSPORT  
 Equipment : 1 x QE 1000 W / 85000 lm



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## 2 Exterior 1

### 2.3 Calculation results, Exterior 1

#### 2.3.1 Table, Reference plane 1 (E)

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31	36	38	36	36	36	36	39	28	28	25	23	21	19	(16)
32	34	34	34	34	34	34	33	32	30	28	28	23	21	18
36	36	37	36	38	38	38	40	38	37	35	32	28	23	20
39	39	41	42	44	46	46	46	44	40	36	32	28	25	21
41	43	45	47	50	53	55	55	52	47	41	36	32	27	23
45	47	50	54	58	63	67	68	63	56	48	41	35	30	25
48	51	55	61	68	74	81	81	76	68	58	47	39	32	27
51	54	61	70	79	89	91	93	85	77	65	53	42	34	28
52	57	67	80	91	99	92	83	95	88	73	56	45	36	30
52	57	67	81	95	98	89	88	97	92	74	58	48	38	30
55	60	68	82	96	112	106	112	109	97	81	68	53	41	33
57	61	68	85	99	125	132	123	116	97	82	69	58	43	33
54	59	68	82	95	108	110	108	104	95	80	64	52	41	32
52	57	66	81	95	99	90	88	99	92	75	59	47	38	30
51	56	66	77	88	92	84	84	84	87	73	57	44	36	28
50	54	63	78	83	88	81	84	78	83	69	52	42	34	28
47	50	55	60	66	72	79	79	74	66	55	46	38	32	26
44	46	49	52	56	61	65	66	61	54	47	41	35	29	25
41	42	44	47	49	52	54	53	50	46	41	36	31	27	23
38	39	40	42	43	45	45	45	42	39	35	32	28	25	21
36	36	37	37	38	39	39	38	36	34	31	28	25	22	19
33	33	33	34	34	34	34	33	32	30	28	25	23	20	18
30	30	30	30	30	29	29	27	27	24	23	20	18	(16)	
	100					120	[m]							

