

## Jennifer Chalmers

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**From:** PI  
**Sent:** 15 July 2013 11:39  
**To:** Jennifer Chalmers  
**Subject:** FW: Application Nos. P.130907 and P.130908, 50-52 College Bounds, Aberdeen AB24 3DS  
**Attachments:** Photometric data TMW70S.pdf

Indexed and logged in flare, no hardcopy produced

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**From:** George Wood |  
**Sent:** 15 July 2013 09:08  
**To:** PI  
**Subject:** <v9\_SmartSaved/> Application Nos. P.130907 and P.130908, 50-52 College Bounds, Aberdeen AB24 3DS

**Application No. P.130907, 50-52 College Bounds, Aberdeen AB24 3DS. Listed Building Consent.**  
**Application No. P.130908, 50-52 College Bounds, Aberdeen AB24 3DS. Full Planning Permission.**

The Old Aberdeen Community Council wishes to object to planning applications 130907 and 130908, 'Proposed Entrance Light' on the basis that the specification of the proposed light unit is inappropriate for the location.

The function of the light is understood to be to illuminate the ramp and stairs immediately in front of the entry door.

The planning application does not adequately define the proposed unit by specifying the proposed bulb or wattage, but the OACC has obtained a copy of the manufacturer's photometric data for the proposed unit and we attach this to this email. This shows (on page 2) that the predominant light output projects outwards between an angle of 40 degrees and 90 degrees, with very little light output downwards.

The unit will do little to illuminate the doorway, but at just 4m above pavement level will serve to dazzle pedestrians walking along the road.

It is noted that the nearby pavements are well lit as there is a street lamp within a few meters both to the north-west and to the south of the property.

The OACC has no objection to an appropriate lamp in this location, but we request that the Applicant should be asked to propose a light unit that will focus lighting more appropriately and thus more sensitively for a conservation area.

**On behalf of the Old Aberdeen Community Council**

Object :  
Installation :  
Project number :  
Date : 04.07.2013

# 1 Luminaire data

## 1.1 ROSA, WARWICK (!TMW70S)

### 1.1.1 Data sheet

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Manufacturer: ROSA

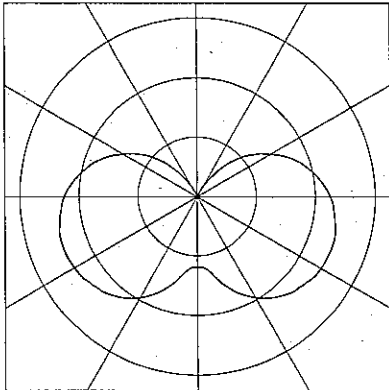
!TMW70S      WARWICK

#### Luminaire data

Luminaire efficiency : 49%  
Luminaire efficacy : 41.3 lm/W  
Classification : ↓65.3% ↑34.7%  
CIE Flux Codes : 20 46 74 65 49  
UGR 4H 8H (20%, 50%, 70%)  
C0 / C90 : 22.0 / 22.0  
Control gear :  
System power : 70 W  
Length : 365 mm  
Width : 365 mm  
Height : 695 mm

#### Equipped with

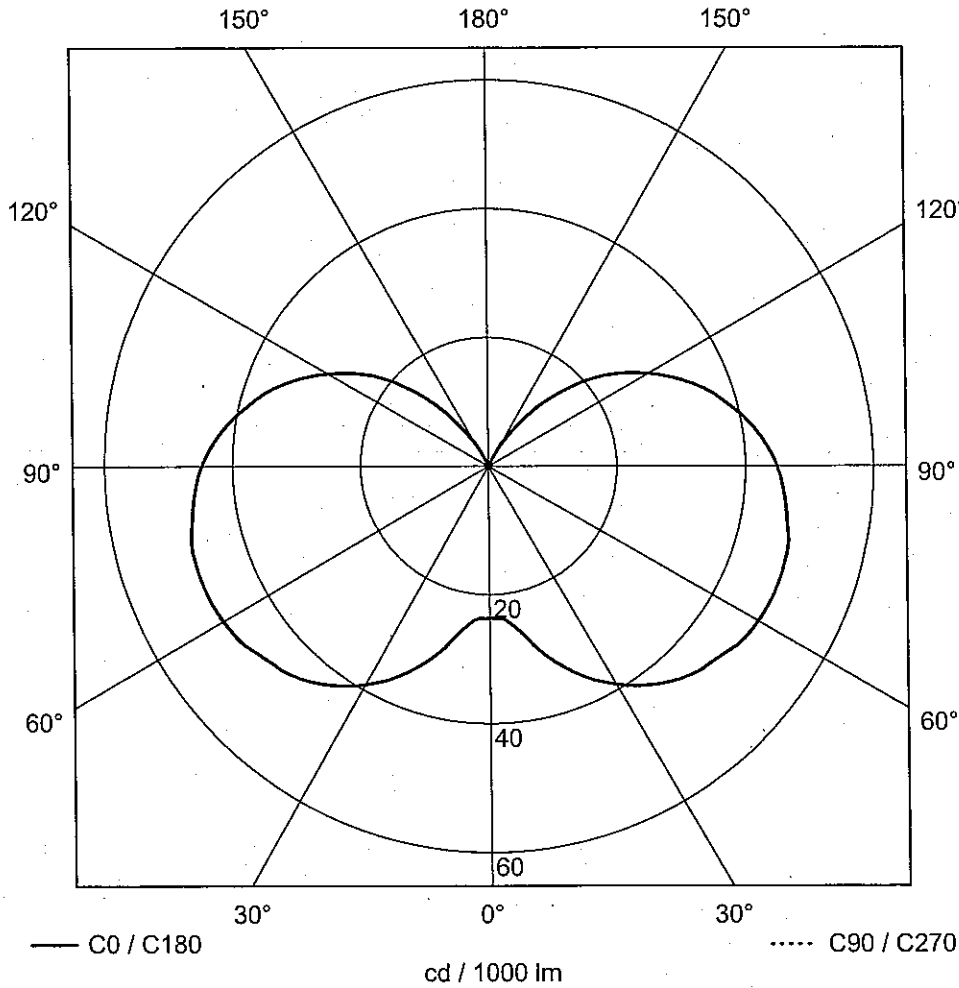
Quantity : 1  
Designation : SONEPLUS70  
Colour : 1950  
Luminous flux : 5900 lm  
Colour reproduction : 23



Object :  
 Installation :  
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 Date : 04.07.2013

## 1.1 ROSA, WARWICK (ITMW70S)

### 1.1.2 LDC



	C90	C180	C270
0°	24	24	24
10°	26	26	26
20°	33	33	33
30°	39	39	39
40°	44	44	44
50°	46	46	46
60°	48	48	48
70°	48	48	48
80°	47	47	47
90°	45	45	45
100°	41	41	41
110°	36	36	36
120°	29	29	29
130°	21	21	21
140°	12	12	12
150°	4	4	4
160°	0	0	0
170°	0	0	0
180°	0	0	0
	cd / 1000 lm		

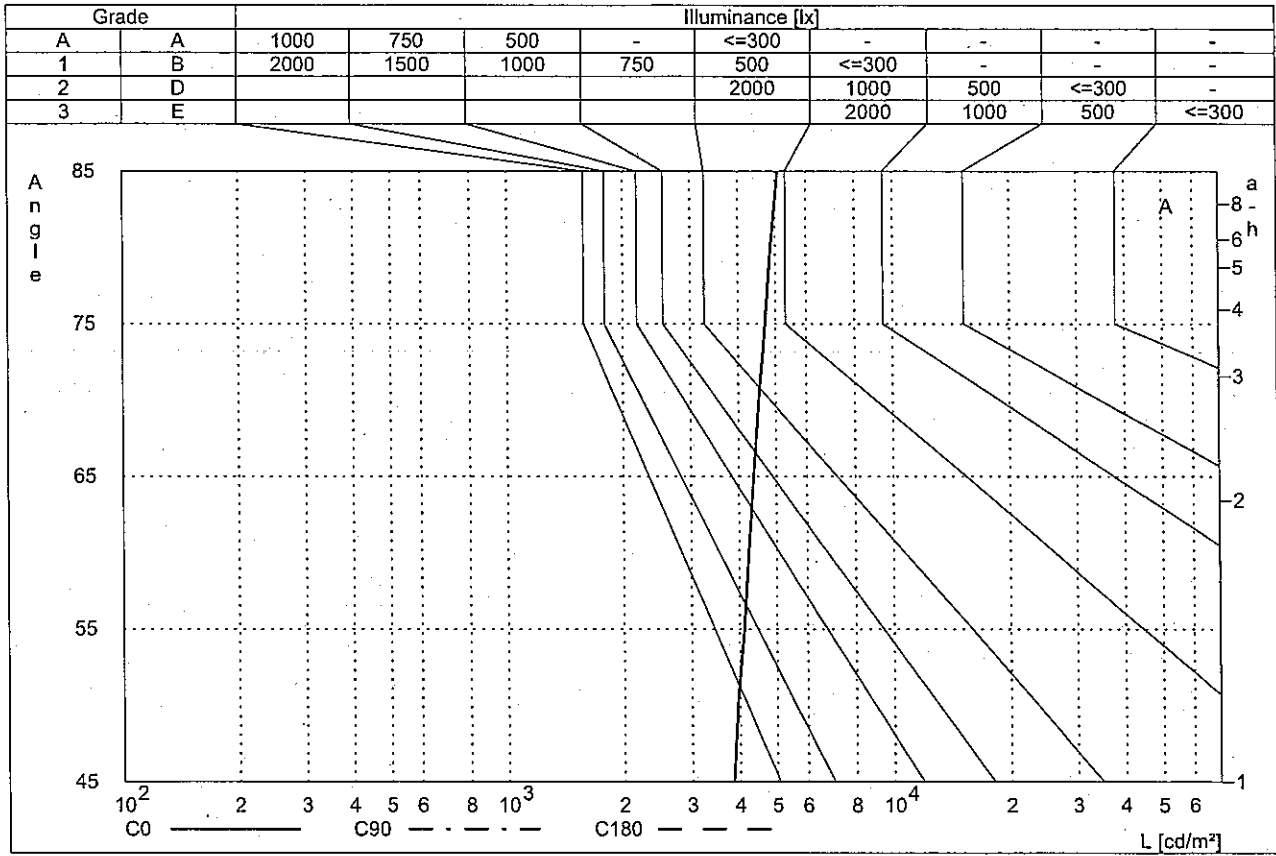
Manufacturer : ROSA  
 Order number : ITMW70S  
 Luminaire name : WARWICK  
 Equipment : 1 x SONEPLUS70 / 5900 lm  
 Dimensions : L 365 mm x W 365 mm x H 695 mm  
 File name : OS101.LDT

Efficiency factor : 49%  
 Luminaire efficacy : 41.3 lm/W  
 Light distribution : sym. to C90-C270  
 Beam Angle : -- C0-C180  
 -- C90  
 -- C270

Object :  
 Installation :  
 Project number :  
 Date : 04.07.2013

## 1.1 ROSA, WARWICK (!TMW70S)

### 1.1.3 Soellner diagram



Manufacturer : ROSA  
 Order number : ITMW70S  
 Luminaire name : WARWICK  
 Equipment : 1 x SONEPLUS70 / 5900 lm  
 Dimensions : L 365 mm x W 365 mm x H 695 mm  
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Efficiency factor : 49%  
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 Light distribution : sym. to C90-C270  
 Beam Angle : -- C0-C180  
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Object :  
 Installation :  
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## 1.1 ROSA, WARWICK (!TMW70S)

### 1.1.4 Luminance chart

	C0	C15	C30	C45	C60	C75	C90	C105	C120	C135	C150	C165
65°	4372	4280	4324	4346	4324	4280	4372	4280	4324	4346	4324	4280
70°	4528	4365	4376	4443	4376	4365	4528	4365	4376	4443	4376	4365
75°	4703	4457	4442	4520	4442	4457	4703	4457	4442	4520	4442	4457
80°	4862	4531	4500	4592	4500	4531	4862	4531	4500	4592	4500	4531
85°	[5081]	4620	4558	4683	4558	4620	[5081]	4620	4558	4683	4558	4620

	C180	C195	C210	C225	C240	C255	C270	C285	C300	C315	C330	C345
65°	4372	4280	4324	4346	4324	4280	4372	4280	4324	4346	4324	4280
70°	4528	4365	4376	4443	4376	4365	4528	4365	4376	4443	4376	4365
75°	4703	4457	4442	4520	4442	4457	4703	4457	4442	4520	4442	4457
80°	4862	4531	4500	4592	4500	4531	4862	4531	4500	4592	4500	4531
85°	[5081]	4620	4558	4683	4558	4620	[5081]	4620	4558	4683	4558	4620

Luminance [cd/m<sup>2</sup>]

Manufacturer	: ROSA	Efficiency factor	: 49%
Order number	: !TMW70S	Luminaire efficacy	: 41.3 lm/W
Luminaire name	: WARWICK	Light distribution	: sym. to C90-C270
Equipment	: 1 x SONEPLUS70 / 5900 lm	Beam Angle	: -- C0-C180
Dimensions	: L 365 mm x W 365 mm x H 695 mm		: -- C90
File name	: OS101.LDT		: -- C270

Object :  
 Installation :  
 Project number :  
 Date : 04.07.2013

## 1.1 ROSA, WARWICK (ITMW70S)

### 1.1.5 Glare Rating (UGR)

Reflectance of										
Ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Floor Cavity	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Room dimension		Viewed crosswise					Viewed endwise				
x	y										
2H	2H	14.5	15.8	15.3	16.6	17.6	14.5	15.8	15.3	16.6	17.6
	3H	17.1	18.3	17.9	19.1	20.1	17.1	18.3	17.9	19.1	20.1
	4H	18.4	19.5	19.2	20.4	21.4	18.4	19.5	19.2	20.4	21.4
	6H	19.7	20.8	20.5	21.6	22.7	19.7	20.8	20.5	21.6	22.7
	8H	20.3	21.3	21.1	22.2	23.2	20.3	21.3	21.1	22.2	23.2
	12H	20.9	21.9	21.7	22.7	23.8	20.9	21.9	21.7	22.7	23.8
4H	2H	15.7	16.8	16.5	17.6	18.7	15.7	16.8	16.5	17.6	18.7
	3H	18.4	19.4	19.3	20.3	21.4	18.4	19.4	19.3	20.3	21.4
	4H	19.9	20.8	20.8	21.7	22.8	19.9	20.8	20.8	21.7	22.8
	6H	21.3	22.1	22.2	23.0	24.1	21.3	22.1	22.2	23.0	24.1
	8H	22.0	22.8	22.9	23.7	24.8	22.0	22.8	22.9	23.7	24.8
	12H	22.7	23.4	23.6	24.3	25.4	22.7	23.4	23.6	24.3	25.4
8H	4H	20.6	21.4	21.4	22.3	23.4	20.6	21.4	21.4	22.3	23.4
	6H	22.2	22.9	23.1	23.8	24.9	22.2	22.9	23.1	23.8	24.9
	8H	23.1	23.7	24.0	24.6	25.8	23.1	23.7	24.0	24.6	25.8
	12H	24.0	24.5	24.8	25.4	26.5	24.0	24.5	24.8	25.4	26.5
12H	4H	20.7	21.5	21.6	22.3	23.5	20.7	21.5	21.6	22.3	23.5
	6H	22.5	23.1	23.4	24.0	25.2	22.5	23.1	23.4	24.0	25.2
	8H	23.5	24.0	24.3	24.9	26.0	23.5	24.0	24.3	24.9	26.0

Distance between luminaires: 0.25

Due to missing symmetry characteristics the values apply only to the indicated line of sight.

Manufacturer	: ROSA	Efficiency factor	: 49%
Order number	: ITMW70S	Luminaire efficacy	: 41.3 lm/W
Luminaire name	: WARWICK	Light distribution	: sym. to C90-C270
Equipment	: 1 x SONEPLUS70 / 5900 lm	Beam Angle	: -- C0-C180
Dimensions	: L 365 mm x W 365 mm x H 695 mm		: -- C90
File name	: OS101.LDT		: -- C270