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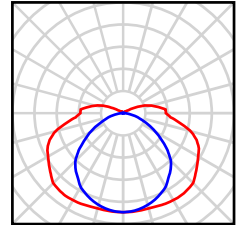
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Project 1 / Luminaire parts list

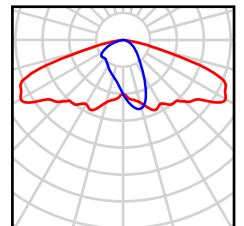
8 Pieces Designplan D815/249T5B T5 SPARTA
Article No.: D815/249T5B
Luminaire Luminous Flux: 9300 lm
Luminaire Wattage: 111.0 W
Luminaire classification according to CIE: 90
CIE flux code: 36 65 87 90 82
Fitting: 2 x FDH-Ø16 49 W (Correction Factor 0.850).

See our luminaire
catalog for an image of
the luminaire.



6 Pieces URBIS 26237F ZXU1/FG/1627/130/-30/26237F
Article No.: 26237F
Luminaire Luminous Flux: 10450 lm
Luminaire Wattage: 90.0 W
Luminaire classification according to CIE: 100
CIE flux code: 42 75 97 100 75
Fitting: 1 x 90W-CPOTW (Correction Factor 0.850).

See our luminaire
catalog for an image of
the luminaire.

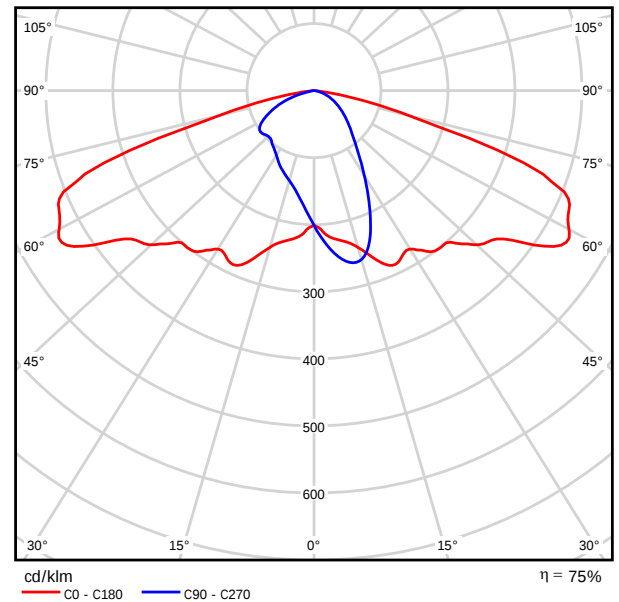


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URBIS 26237F ZXU1/FG/1627/130/-30/26237F / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100
CIE flux code: 42 75 97 100 75

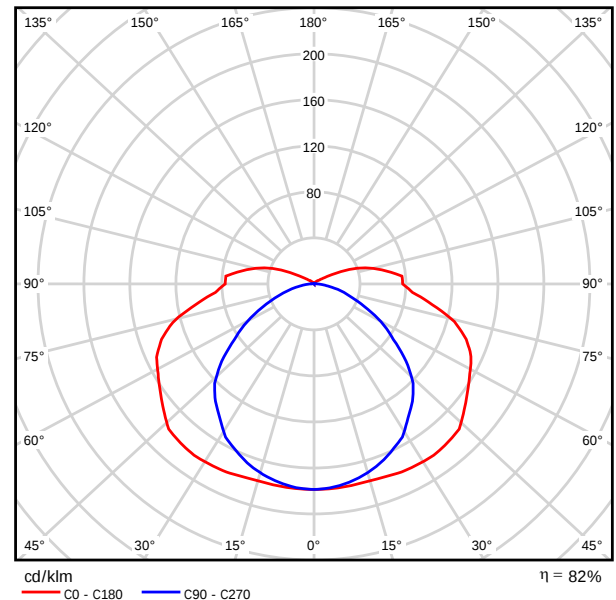
Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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Designplan D815/249T5B T5 SPARTA / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



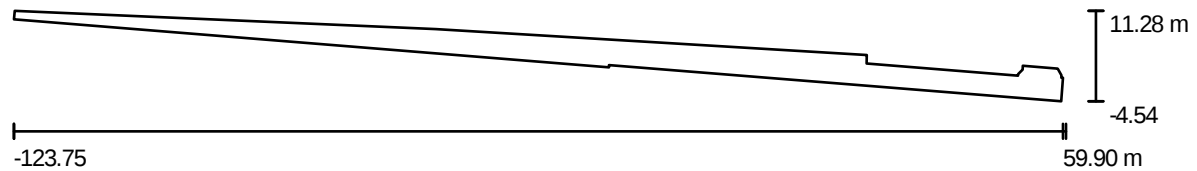
Luminaire classification according to CIE: 90
CIE flux code: 36 65 87 90 82

Luminous emittance 1:

Glare Evaluation According to UGR											
ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	21.6	22.9	22.0	23.4	23.8	19.4	20.8	19.9	21.2	21.7
	3H	24.2	25.4	24.6	25.9	26.4	20.9	22.1	21.4	22.6	23.1
	4H	25.3	26.5	25.8	26.9	27.5	21.5	22.7	22.0	23.1	23.7
	6H	26.3	27.4	26.8	27.9	28.4	21.9	23.0	22.4	23.5	24.0
	8H	26.7	27.7	27.2	28.2	28.8	22.0	23.1	22.5	23.6	24.1
	12H	27.0	28.1	27.6	28.6	29.1	22.1	23.1	22.6	23.6	24.2
4H	2H	22.0	23.2	22.5	23.7	24.2	20.4	21.6	20.9	22.0	22.6
	3H	25.0	26.0	25.5	26.5	27.1	22.2	23.2	22.8	23.8	24.3
	4H	26.3	27.2	26.9	27.8	28.3	23.1	24.0	23.6	24.5	25.1
	6H	27.4	28.3	28.0	28.8	29.4	23.6	24.5	24.2	25.0	25.6
	8H	27.9	28.7	28.5	29.3	29.9	23.8	24.6	24.4	25.2	25.8
	12H	28.4	29.1	29.0	29.7	30.3	24.0	24.7	24.6	25.3	25.9
8H	4H	26.6	27.4	27.2	27.9	28.6	24.0	24.7	24.6	25.3	25.9
	6H	28.0	28.6	28.6	29.2	29.9	24.8	25.5	25.4	26.1	26.7
	8H	28.6	29.2	29.3	29.8	30.5	25.2	25.7	25.8	26.4	27.1
	12H	29.3	29.7	29.9	30.4	31.1	25.4	25.9	26.1	26.6	27.3
12H	4H	26.6	27.3	27.2	27.9	28.6	24.2	24.8	24.8	25.4	26.1
	6H	28.1	28.6	28.7	29.2	30.0	25.2	25.7	25.8	26.3	27.0
	8H	28.8	29.3	29.4	29.9	30.6	25.6	26.1	26.3	26.7	27.5
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.2					+0.3 / -0.3				
S = 2.0H		+0.2 / -0.3					+0.4 / -0.8				
Standard table		BK10					BK14				
Correction Summand		4.5					0.3				
Corrected Glare Indices referring to 9300lm Total Luminous Flux											

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Exterior Scene 2 / Planning data



Maintenance factor: 0.80, ULR (Upward Light Ratio): 0.0%

Scale 1:1313

Luminaire Parts List

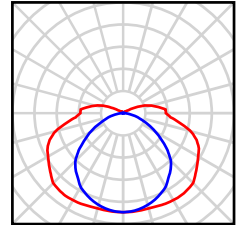
No.	Pieces	Designation (Correction Factor)	Φ [lm]	P [W]
1	8	Designplan D815/249T5B T5 SPARTA (0.850)	9300	111.0
2	6	URBIS 26237F ZXU1/FG/1627/130/-30/26237F (0.850)	10450	90.0
Total:			137100	1428.0

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Exterior Scene 2 / Luminaire parts list

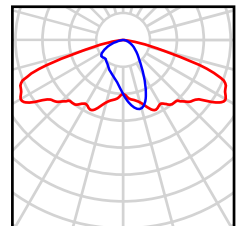
8 Pieces Designplan D815/249T5B T5 SPARTA
Article No.: D815/249T5B
Luminaire Luminous Flux: 9300 lm
Luminaire Wattage: 111.0 W
Luminaire classification according to CIE: 90
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Fitting: 2 x FDH-Ø16 49 W (Correction Factor 0.850).

See our luminaire
catalog for an image of
the luminaire.



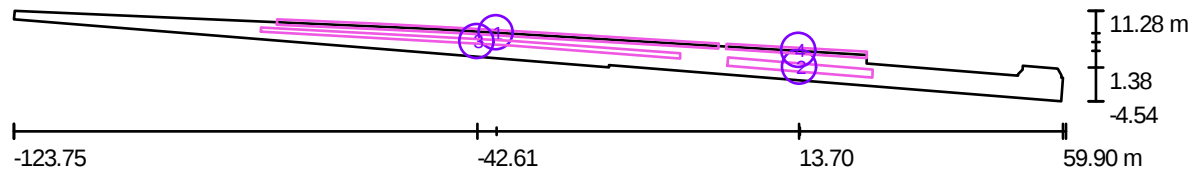
6 Pieces URBIS 26237F ZXU1/FG/1627/130/-30/26237F
Article No.: 26237F
Luminaire Luminous Flux: 10450 lm
Luminaire Wattage: 90.0 W
Luminaire classification according to CIE: 100
CIE flux code: 42 75 97 100 75
Fitting: 1 x 90W-CPOTW (Correction Factor 0.850).

See our luminaire
catalog for an image of
the luminaire.



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Exterior Scene 2 / Calculation surfaces (results overview)



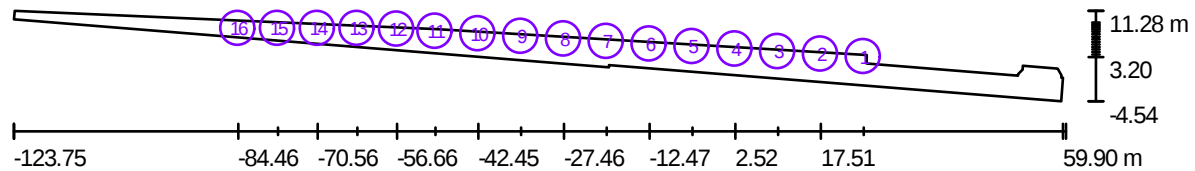
Scale 1 : 1313

Calculation Surface List

No.	Designation	Type	Grid	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
1	Platform Edge (Columns)	perpendicular	128 x 128	33	17	75	0.517	0.227
2	Under Canopy	perpendicular	128 x 128	165	120	177	0.728	0.677
3	Platform	perpendicular	128 x 8	50	21	85	0.419	0.244
4	Platform Edge (Canopy)	perpendicular	128 x 8	82	40	105	0.484	0.381

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Exterior Scene 2 / Calculation points (results overview)



Scale 1 : 1313

Calculation Points List

No.	Designation	Type	Position [m]			Rotation [°]			Value [lx]
			X	Y	Z	X	Y	Z	
1	Vertical Calculation Point 1	vertical, normal	25.000	3.200	1.000	0.0	0.0	-94.9	102
2	Vertical Calculation Point 1	vertical, normal	17.505	3.644	1.000	0.0	0.0	-94.9	129
3	Vertical Calculation Point 1	vertical, normal	10.011	4.087	1.000	0.0	0.0	-94.9	132
4	Vertical Calculation Point 1	vertical, normal	2.516	4.531	1.000	0.0	0.0	-94.9	119
5	Vertical Calculation Point 1	vertical, normal	-4.979	4.974	1.000	0.0	0.0	-94.9	27
6	Vertical Calculation Point 1	vertical, normal	-12.473	5.418	1.000	0.0	0.0	-94.9	15
7	Vertical Calculation Point 1	vertical, normal	-19.968	5.862	1.000	0.0	0.0	-94.9	20
8	Vertical Calculation Point 1	vertical, normal	-27.462	6.305	1.000	0.0	0.0	-89.9	19
9	Vertical Calculation Point 1	vertical, normal	-34.957	6.749	1.000	0.0	0.0	-94.9	11

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Exterior Scene 2 / Calculation points (results overview)

Calculation Points List

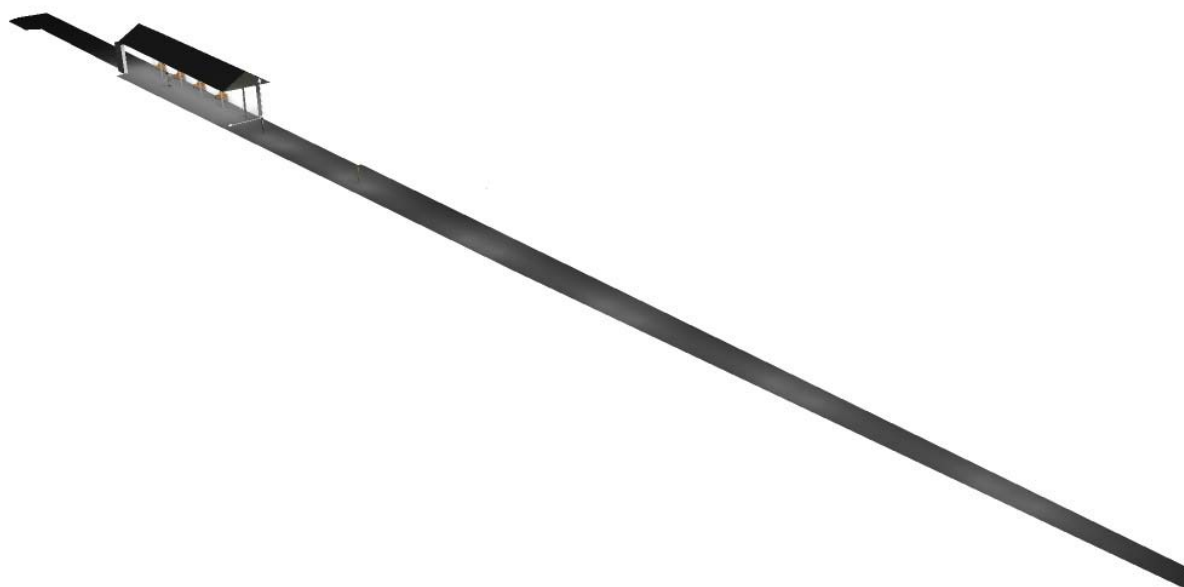
No.	Designation	Type	Position [m]			Rotation [°]			Value [lx]
			X	Y	Z	X	Y	Z	
10	Vertical Calculation Point 1	vertical, normal	-42.452	7.192	1.000	0.0	0.0	-94.9	36
11	Vertical Calculation Point 1	vertical, normal	-49.946	7.636	1.000	0.0	0.0	-94.9	14
12	Vertical Calculation Point 2	vertical, normal	-56.660	8.012	1.000	0.0	0.0	-90.0	15
13	Vertical Calculation Point 2	vertical, normal	-63.610	8.321	1.000	0.0	0.0	-95.0	29
14	Vertical Calculation Point 2	vertical, normal	-70.561	8.630	1.000	0.0	0.0	-90.0	12
15	Vertical Calculation Point 2	vertical, normal	-77.511	8.938	1.000	0.0	0.0	-95.0	31
16	Vertical Calculation Point 2	vertical, normal	-84.462	9.247	1.000	0.0	0.0	-90.0	19

Summary of Results

Calculation Point Types	Quantity	Average [lx]	Min [lx]	Max [lx]	u0	$E_{\min} / E_{\max}$
Vertical, normal	16	46	11	132	0.24	0.08

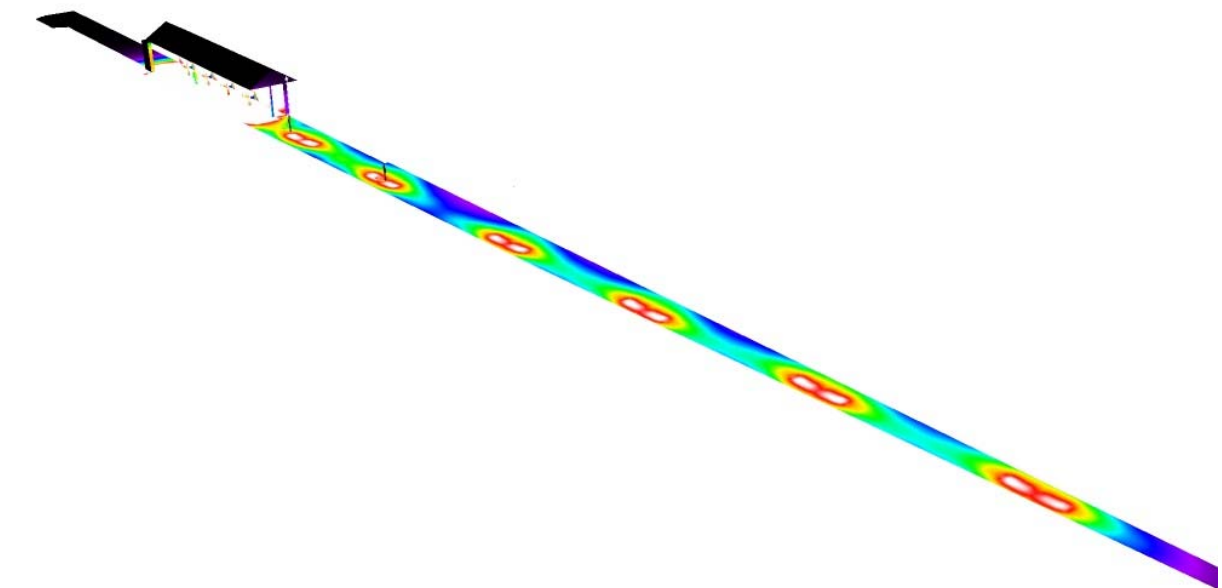
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Exterior Scene 2 / 3D Rendering



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Exterior Scene 2 / False Colour Rendering



0 10 20 30 40 50 60 70 80 lx