

FOTOMETRIJSKI PRORAČUN

Objekat: Plato ispred zatvorenog gradskog bazena
Investitor: Opština Pirot
Projektant: "Tigar INCON" d.o.o.

Date: 16.05.2012
Operator: Milan Milošević, dipl.ing.el.

"Tigar INCON" d.o.o.

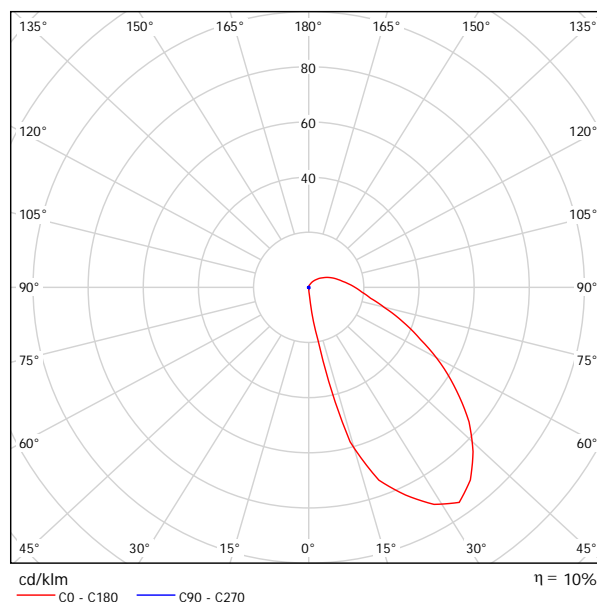
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SLV Elektronik GmbH 229410 Rusty Slot 50 / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



Luminaire classification according to CIE: 84
CIE flux code: 34 68 88 84 10

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

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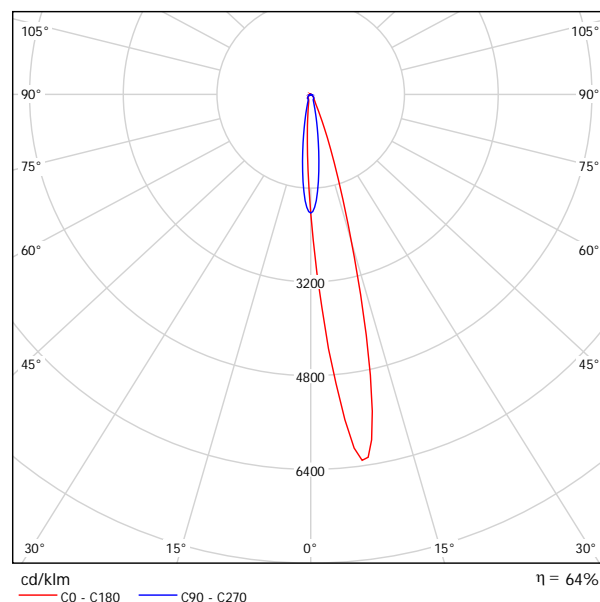
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SBP S.p.A. 05161290 CRICKET 25 C/71-CR / Luminaire Data Sheet

See our luminaire catalog for an image of the luminaire.

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 86 98 100 100 65

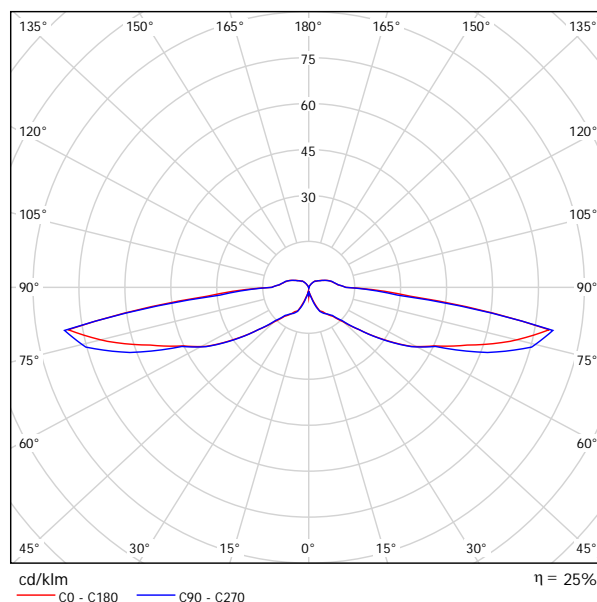
Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

"Tigar INCON" d.o.o.

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e-Mail milan.milosevic@tigar.com**SBP S.p.A. 05193196 KHA Slim 20/220 ETRC 20W / Luminaire Data Sheet**

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.

Luminaire classification according to CIE: 88
CIE flux code: 06 24 69 88 24

Luminous emittance 1:

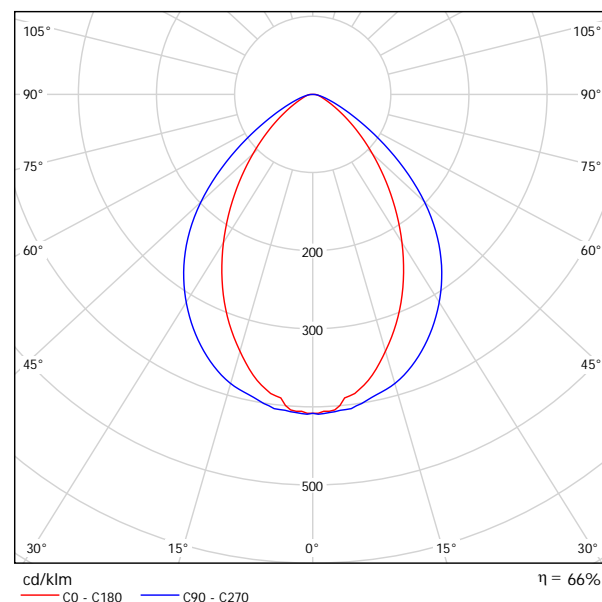
Glare Evaluation According to UGR											
ρ Ceiling	70	70	50	50	30	70	70	50	50	30	
ρ Walls	50	30	50	30	30	50	30	50	30	30	
ρ Floor	20	20	20	20	20	20	20	20	20	20	
Room Size X Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	21.6	23.3	22.1	23.8	24.4	21.7	23.4	22.2	24.0	24.5
	3H	27.1	28.7	27.6	29.2	29.8	27.4	29.1	28.0	29.6	30.2
	4H	30.1	31.7	30.7	32.2	32.9	30.6	32.2	31.2	32.7	33.3
	6H	33.3	34.7	33.8	35.3	35.9	33.6	35.0	34.1	35.6	36.2
	8H	34.3	35.7	34.9	36.3	36.9	34.5	35.9	35.1	36.5	37.1
4H	12H	34.8	36.2	35.4	36.8	37.4	34.9	36.3	35.5	36.9	37.6
	2H	23.5	25.0	24.0	25.6	26.2	23.6	25.1	24.1	25.6	26.3
	3H	28.8	30.2	29.4	30.8	31.5	29.1	30.4	29.6	31.0	31.7
	4H	31.9	33.2	32.5	33.8	34.5	32.3	33.5	32.9	34.1	34.8
	6H	35.1	36.2	35.7	36.9	37.6	35.3	36.5	35.9	37.1	37.8
8H	8H	36.1	37.2	36.8	37.8	38.5	36.3	37.3	36.9	38.0	38.7
	12H	36.7	37.7	37.3	38.3	39.1	36.8	37.8	37.4	38.4	39.1
	4H	33.2	34.3	33.8	34.9	35.6	33.4	34.5	34.1	35.1	35.9
	6H	36.4	37.4	37.1	38.0	38.8	36.6	37.5	37.2	38.2	38.9
	8H	37.5	38.3	38.2	39.0	39.8	37.6	38.4	38.3	39.1	39.9
12H	12H	38.2	38.9	38.8	39.6	40.3	38.2	38.9	38.9	39.6	40.4
	4H	33.6	34.6	34.2	35.2	35.9	33.8	34.8	34.4	35.4	36.1
	6H	36.8	37.6	37.5	38.3	39.0	36.9	37.7	37.6	38.4	39.2
	8H	37.9	38.6	38.6	39.3	40.1	38.0	38.7	38.7	39.4	40.2
Variation of the observer position for the luminaire distances S											
S = 1.0H	+0.1 / -0.1					+0.1 / -0.1					
S = 1.5H	+0.1 / -0.2					+0.1 / -0.2					
S = 2.0H	+0.3 / -0.4					+0.3 / -0.3					
Standard table	---					---					
Correction	---					---					
Summand	---					---					
Corrected Glare Indices referring to 1650lm Total Luminous Flux											

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e-Mail milan.milosevic@tigar.com**SBP S.p.A. 05096894 CRICKET 61 AL/S 24W / 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: 67 92 98 100 66

Luminous emittance 1:

Glare Evaluation According to UGR										
p Ceiling	70	70	50	50	30	70	70	50	50	30
p Walls	50	30	50	30	30	50	30	50	30	30
p 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	14.8	15.8	15.1	16.1	16.3	18.1	19.1	18.4	19.3
	3H	15.1	16.0	15.4	16.3	16.5	18.6	19.5	18.9	19.8
	4H	15.2	16.1	15.5	16.3	16.6	18.7	19.6	19.0	19.9
	6H	15.3	16.1	15.7	16.4	16.7	18.8	19.6	19.1	19.9
	8H	15.4	16.2	15.8	16.5	16.8	18.8	19.6	19.1	19.9
	12H	15.5	16.2	15.9	16.6	16.9	18.8	19.5	19.2	19.8
4H	2H	15.2	16.1	15.5	16.3	16.6	18.1	19.0	18.4	19.2
	3H	15.6	16.3	16.0	16.7	17.0	18.7	19.4	19.1	19.8
	4H	15.8	16.5	16.2	16.8	17.2	18.9	19.6	19.3	19.9
	6H	16.1	16.6	16.5	17.0	17.4	19.1	19.6	19.5	20.0
	8H	16.2	16.7	16.6	17.1	17.5	19.1	19.6	19.5	20.0
	12H	16.3	16.8	16.8	17.2	17.6	19.1	19.6	19.6	20.0
8H	4H	16.0	16.5	16.4	16.9	17.3	18.9	19.4	19.4	19.8
	6H	16.3	16.7	16.8	17.2	17.6	19.1	19.5	19.6	20.0
	8H	16.5	16.9	17.0	17.4	17.8	19.2	19.6	19.7	20.0
	12H	16.8	17.1	17.3	17.6	18.1	19.3	19.6	19.8	20.1
	4H	16.0	16.4	16.4	16.9	17.3	18.9	19.4	19.3	19.8
	6H	16.4	16.8	16.9	17.2	17.7	19.1	19.5	19.6	19.9
12H	8H	16.7	17.0	17.1	17.4	17.9	19.3	19.6	19.7	20.0
	12H	16.7	17.0	17.1	17.4	17.9	19.3	19.6	19.7	20.0
Variation of the observer position for the luminaire distances S										
S = 1.0H	+0.6 / -0.9					+0.2 / -0.5				
S = 1.5H	+1.0 / -1.8					+1.3 / -1.6				
S = 2.0H	+1.9 / -2.6					+2.6 / -2.7				
Standard table	BK03					BK02				
Correction Summand	-2.7					-0.1				
Corrected Glare Indices referring to 1350lm Total Luminous Flux										

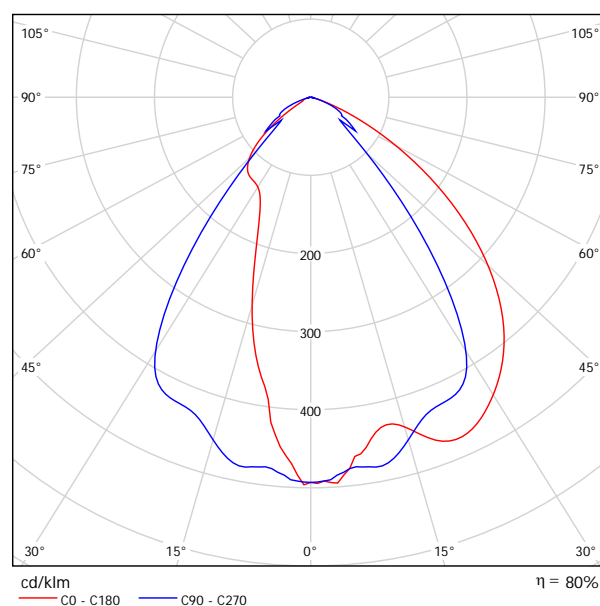
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SBP_URBANLIGHTING 05276997 SYSTEMPARK-S150-II/A 150-97-CR HQI-TS / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 64 92 99 100 81

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

- Post or wall mounted luminaire c/w integral control gear suitable for HID lamps (sodium and metal halide).
- Die-cast aluminium body.
- Toughened safety glass with silk-screen masking secured into a die-cast aluminium frame.
- Anti-ageing silicone gasket.
- High purity aluminium reflectors anodised and polished.
- Outreach arms in die-cast aluminium painted finish.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.
- SQUARE 150 version complete with PG11 tear proof cable for H05RN-F 3G1 Ø5-10mm cable.
- SQUARE 400 version complete with M20x1.5 tear proof cable for H05RN-F 3G1 Ø10-14mm cable.
- Optics: symmetrical (S), asymmetrical (A), circular (C), street lighting (WR) and asymmetrical pedestrian crossing (Zebra).

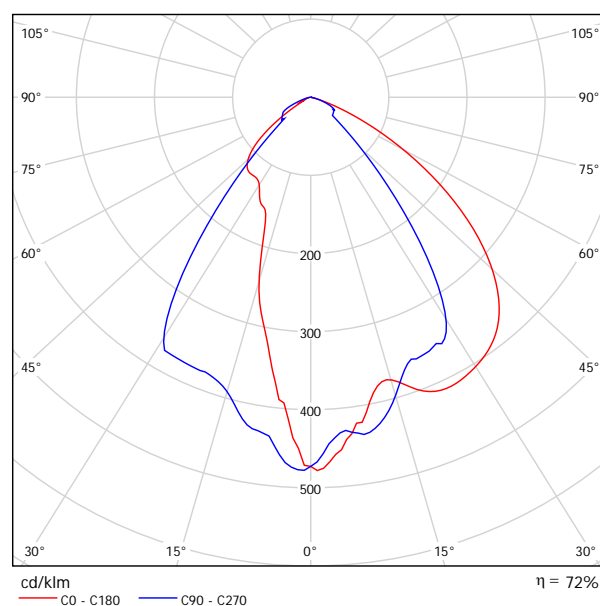
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SBP_URBANLIGHTING 05276797 SYSTEMPARK-S150-II/A 70-97-CR HQI-TS / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 63 92 99 100 72

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

- Post or wall mounted luminaire c/w integral control gear suitable for HID lamps (sodium and metal halide).
- Die-cast aluminium body.
- Toughened safety glass with silk-screen masking secured into a die-cast aluminium frame.
- Anti-ageing silicone gasket.
- High purity aluminium reflectors anodised and polished.
- Outreach arms in die-cast aluminium painted finish.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.
- SQUARE 150 version complete with PG11 tear proof cable for H05RN-F 3G1 Ø5-10mm cable.
- SQUARE 400 version complete with M20x1.5 tear proof cable for H05RN-F 3G1 Ø10-14mm cable.
- Optics: symmetrical (S), asymmetrical (A), circular (C), street lighting (WR) and asymmetrical pedestrian crossing (Zebra).

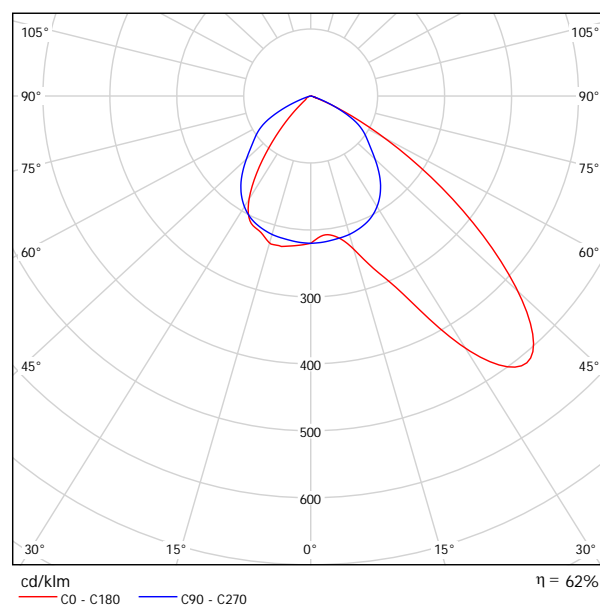
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SBP_URBANLIGHTING 05256296 SYSTEMLAMP-S400/A 402-96-CR HQI-T / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 57 91 99 100 62

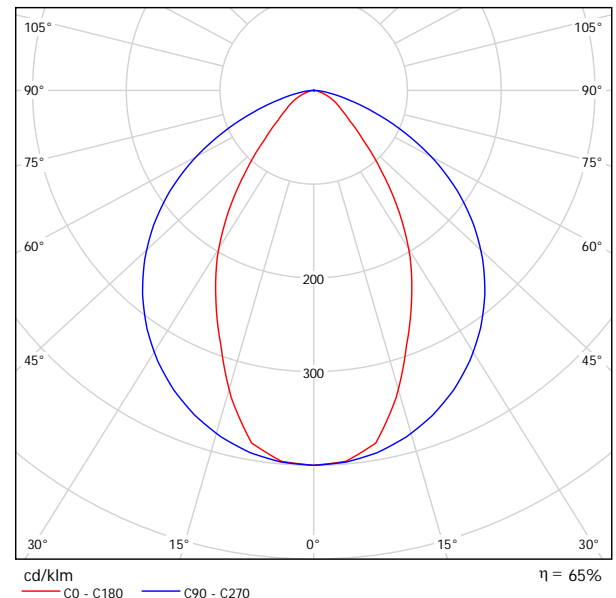
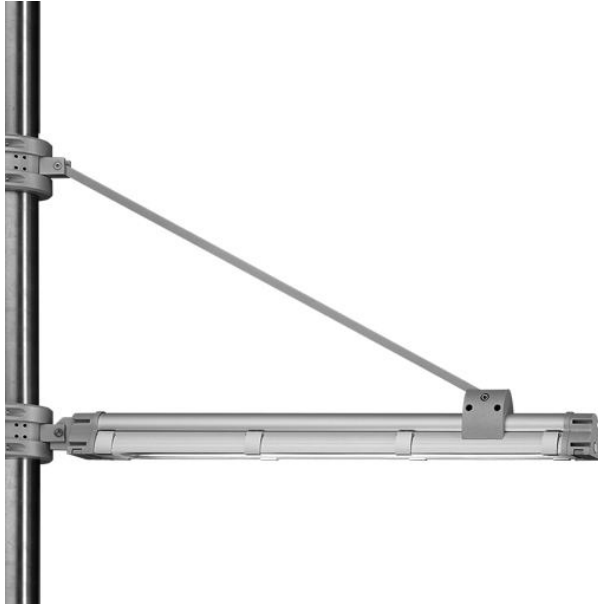
Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

- Post or wall mounted luminaire c/w integral control gear suitable for HID lamps (sodium and metal halide).
- Die-cast aluminium body.
- Toughened safety glass with silk-screen masking secured into a die-cast aluminium frame.
- Anti-ageing silicone gasket.
- High purity aluminium reflectors anodised and polished.
- Outreach arms in die-cast aluminium painted finish.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.
- SQUARE 150 version complete with PG11 tear proof cable for H05RN-F 3G1 Ø5-10mm cable.
- SQUARE 400 version complete with M20x1.5 tear proof cable for H05RN-F 3G1 Ø10-14mm cable.
- Optics: symmetrical (S), asymmetrical (A), circular (C), street lighting (WR) and asymmetrical pedestrian crossing (Zebra).

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Luminous emittance 1:

Luminaire classification according to CIE: 100
CIE flux code: 67 92 99 100 65

- Post or wall mounted luminaire c/w integral control gear.
- Extruded aluminium housing c/w die-cast aluminium end caps.
- Toughened safety glass cover with silk screen masking, hinges to body for easy maintenance.
- Anti-ageing silicone gaskets.
- High purity (99.85%) aluminium reflector anodised and polished.
- Adjustable lampholder position for FD (T5) versions, provides two types of distribution.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.

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	14.4	15.5	14.7	15.7	15.9	21.0	22.1	21.3	22.3	22.5
	3H	14.8	15.8	15.1	16.0	16.3	22.0	23.0	22.3	23.2	23.5
	4H	14.9	15.8	15.3	16.1	16.4	22.3	23.1	22.6	23.4	23.7
	6H	15.0	15.8	15.3	16.1	16.4	22.4	23.2	22.7	23.5	23.8
	8H	14.9	15.7	15.3	16.0	16.3	22.4	23.2	22.7	23.5	23.8
4H	12H	14.9	15.7	15.3	16.0	16.3	22.4	23.1	22.8	23.5	23.8
	2H	15.0	15.9	15.3	16.1	16.4	20.9	21.8	21.2	22.0	22.3
	3H	15.5	16.2	15.8	16.5	16.9	21.9	22.7	22.3	23.0	23.3
	4H	15.6	16.3	16.0	16.6	17.0	22.2	22.8	22.6	23.2	23.5
	6H	15.7	16.2	16.1	16.6	17.0	22.3	22.9	22.7	23.2	23.6
8H	8H	15.7	16.2	16.1	16.6	17.0	22.4	22.9	22.8	23.2	23.7
	12H	15.7	16.1	16.1	16.5	17.0	22.4	22.8	22.8	23.2	23.7
	4H	15.7	16.2	16.1	16.6	17.0	22.1	22.6	22.5	23.0	23.4
	6H	15.8	16.2	16.2	16.6	17.1	22.2	22.6	22.7	23.1	23.5
	8H	15.8	16.2	16.3	16.6	17.1	22.3	22.6	22.7	23.1	23.5
12H	12H	15.8	16.1	16.3	16.6	17.1	22.3	22.6	22.8	23.0	23.5
	4H	15.7	16.1	16.1	16.5	17.0	22.1	22.5	22.5	22.9	23.4
	6H	15.8	16.1	16.2	16.6	17.0	22.2	22.6	22.7	23.0	23.5
	8H	15.8	16.1	16.3	16.6	17.1	22.2	22.5	22.7	23.0	23.5
Variation of the observer position for the luminaire distances S											
S = 1.0H		+1.2 / -1.6					+0.2 / -0.4				
S = 1.5H		+2.0 / -2.3					+1.4 / -1.9				
S = 2.0H		+2.8 / -3.0					+2.8 / -3.9				
Standard table		BK02					BK03				
Correction		-3.6					3.6				
Summand											
Corrected Glare Indices referring to 3100lm Total Luminous Flux											

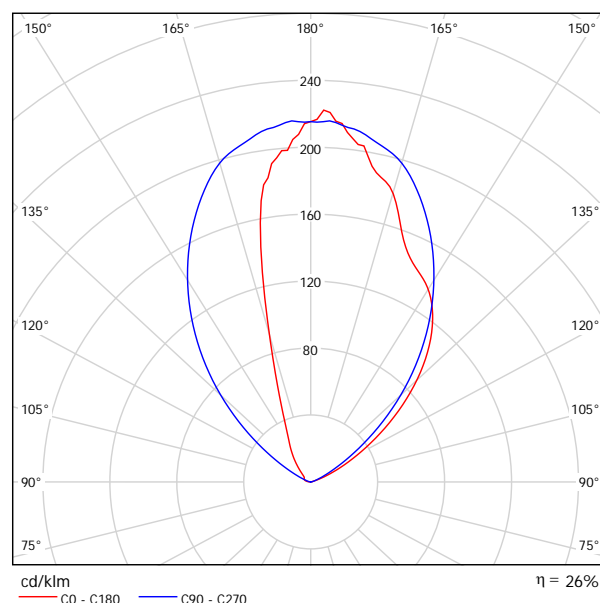
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SBP_URBANLIGHTING 05161990 CRICKET 25 AL/AS/26-42-ETRC DU / Luminaire Data Sheet

Luminous emittance 1:



Luminaire classification according to CIE: 0
CIE flux code: 00 00 00 00 26

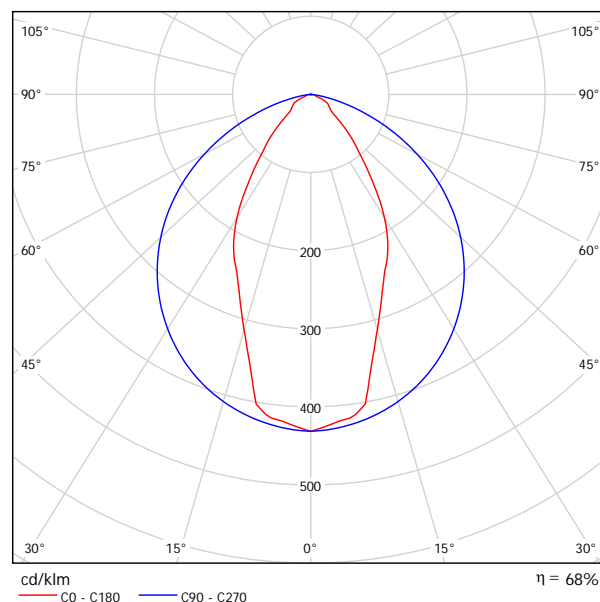
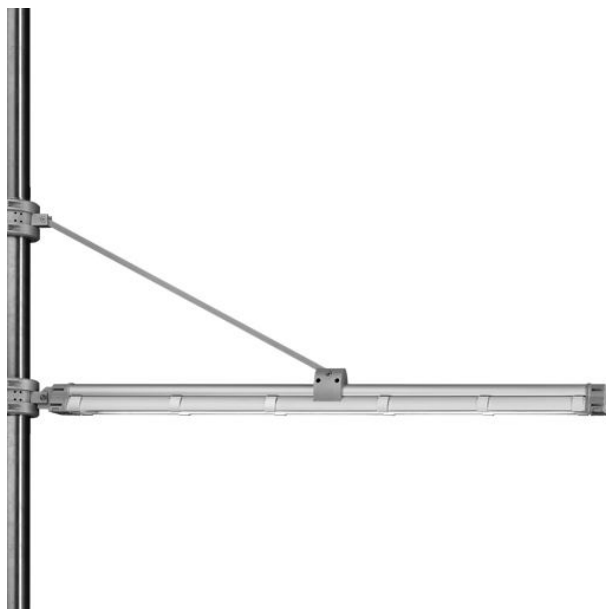
Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

- Technopolymer body and outer recessing enclosure resistant to temperature variances.
- Toughened "safety" glass, IK10 - 24J.
- Anti-ageing silicone gasket.
- Glass cover retaining options:
 - Cricket 25: Frameless with AISI 316 stainless steel corner fixing clamps;
 - Cricket 25/AL (94): Aluminium frame finished
 - Cricket 25/I: AISI 316 stainless steel frame suitable for installation in marine environment.
- Reflector options; Circular adjustable 0° to -10° and asymmetrical reflectors adjustable -5° to -15°.
- M20x1.5 cable gland for Ø7 12mm cables. 2x2.5mm² automatic isolating switch, automatically interrupts supply on opening fitting to provide extra safety.
- Stainless steel external screws.

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Luminous emittance 1:

Luminaire classification according to CIE: 100
CIE flux code: 67 92 99 100 68

- Post or wall mounted luminaire c/w integral control gear.
- Extruded aluminium housing c/w die-cast aluminium end caps.
- Toughened safety glass cover with silk screen masking, hinges to body for easy maintenance.
- Anti-ageing silicone gaskets.
- High purity (99.85%) aluminium reflector anodised and polished.
- Adjustable lampholder position for FD (T5) versions, provides two types of distribution.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.

Luminous emittance 1:

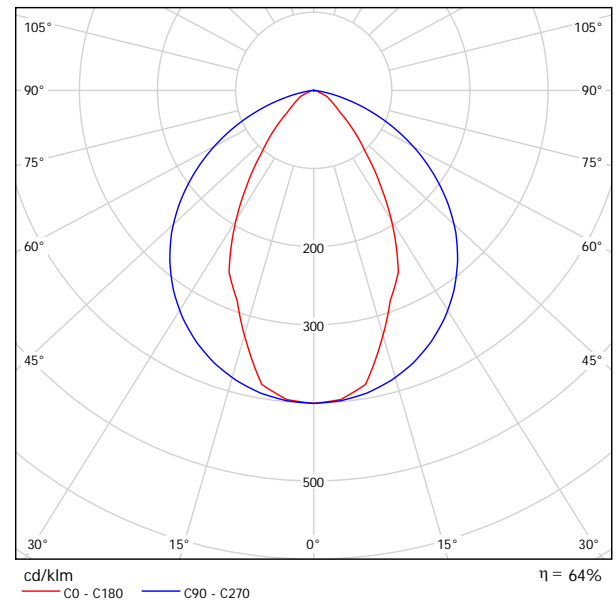
Glare Evaluation According to UGR

p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p 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	14.4	15.5	14.7	15.7	15.9	21.9	22.9	22.2	23.2	23.4
	3H	14.8	15.7	15.1	16.0	16.2	22.9	23.9	23.2	24.1	24.4
	4H	14.9	15.7	15.2	16.0	16.3	23.2	24.1	23.5	24.3	24.6
	6H	14.9	15.7	15.3	16.0	16.3	23.3	24.1	23.6	24.4	24.7
	8H	15.0	15.7	15.3	16.0	16.3	23.3	24.1	23.6	24.4	24.7
	12H	14.9	15.7	15.3	16.0	16.3	23.3	24.0	23.6	24.3	24.6
4H	2H	15.1	16.0	15.4	16.2	16.5	21.7	22.6	22.1	22.9	23.2
	3H	15.5	16.3	15.9	16.6	16.9	22.8	23.6	23.2	23.9	24.2
	4H	15.6	16.3	16.0	16.6	17.0	23.1	23.8	23.5	24.1	24.4
	6H	15.8	16.3	16.2	16.7	17.1	23.2	23.8	23.6	24.1	24.5
	8H	15.8	16.3	16.2	16.7	17.1	23.2	23.7	23.6	24.1	24.5
	12H	15.8	16.3	16.2	16.7	17.1	23.2	23.6	23.6	24.0	24.5
8H	4H	15.7	16.2	16.2	16.6	17.0	23.0	23.5	23.4	23.9	24.3
	6H	15.9	16.3	16.4	16.7	17.2	23.1	23.5	23.6	23.9	24.4
	8H	16.0	16.3	16.5	16.8	17.3	23.1	23.5	23.6	23.9	24.4
	12H	16.0	16.3	16.5	16.8	17.3	23.1	23.4	23.6	23.9	24.4
12H	4H	15.7	16.2	16.1	16.6	17.0	23.0	23.4	23.4	23.8	24.3
	6H	15.9	16.3	16.4	16.7	17.2	23.1	23.4	23.6	23.9	24.4
	8H	16.0	16.3	16.5	16.8	17.3	23.1	23.4	23.6	23.8	24.3
Variation of the observer position for the luminaire distances S											
S = 1.0H		+1.4 / -1.8					+0.3 / -0.4				
S = 1.5H		+2.5 / -2.0					+1.5 / -1.9				
S = 2.0H		+3.1 / -2.8					+2.9 / -4.5				
Standard table		BK02					BK03				
Correction		-3.4					4.6				
Summand											
Corrected Glare Indices referring to 6150lm Total Luminous Flux											

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e-Mail milan.milosevic@tigar.com**SBP_URBANLIGHTING 05257597 SYSTEMPARK LINE 130 / Luminaire Data Sheet**

Luminous emittance 1:

Luminaire classification according to CIE: 100
CIE flux code: 67 92 99 100 65

- Post or wall mounted luminaire c/w integral control gear.
- Extruded aluminium housing c/w die-cast aluminium end caps.
- Toughened safety glass cover with silk screen masking, hinges to body for easy maintenance.
- Anti-ageing silicone gaskets.
- High purity (99.85%) aluminium reflector anodised and polished.
- Adjustable lampholder position for FD (T5) versions, provides two types of distribution.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.

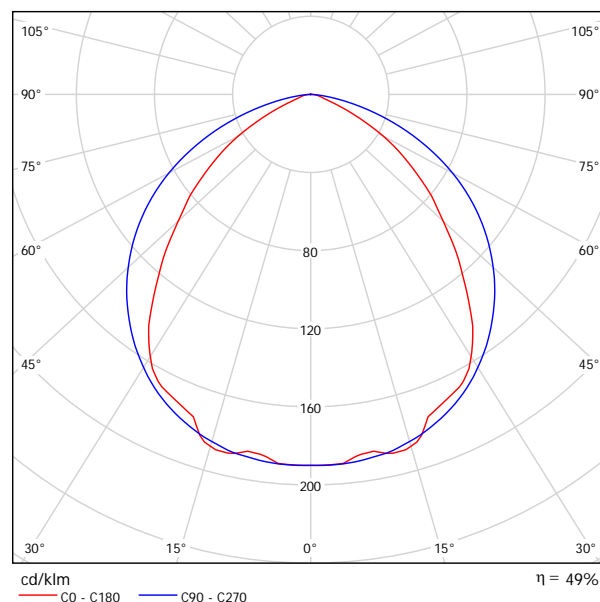
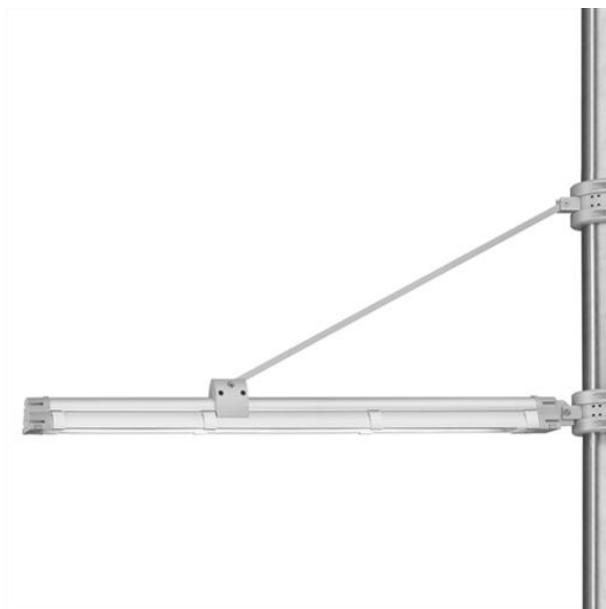
Luminous emittance 1:

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	15.7	16.7	16.0	16.9	17.2	22.9	23.9	23.1	24.1	24.3
	3H	16.0	16.9	16.3	17.1	17.4	23.9	24.8	24.2	25.1	25.3
	4H	16.0	16.9	16.3	17.1	17.4	24.2	25.1	24.5	25.3	25.6
	6H	16.1	16.9	16.4	17.2	17.4	24.3	25.1	24.6	25.4	25.7
	8H	16.1	16.8	16.4	17.1	17.4	24.3	25.0	24.6	25.3	25.6
	12H	16.0	16.8	16.4	17.1	17.4	24.2	25.0	24.6	25.3	25.6
4H	2H	16.3	17.2	16.6	17.4	17.7	22.7	23.6	23.0	23.9	24.1
	3H	16.6	17.4	17.0	17.7	18.0	23.8	24.5	24.2	24.8	25.2
	4H	16.7	17.3	17.1	17.7	18.0	24.1	24.7	24.5	25.1	25.4
	6H	16.8	17.4	17.2	17.7	18.1	24.2	24.7	24.6	25.1	25.5
	8H	16.8	17.3	17.3	17.7	18.1	24.2	24.7	24.6	25.1	25.5
	12H	16.8	17.3	17.3	17.7	18.1	24.2	24.6	24.6	25.0	25.4
8H	4H	16.8	17.3	17.2	17.6	18.1	24.0	24.5	24.4	24.9	25.3
	6H	16.9	17.3	17.4	17.7	18.2	24.1	24.5	24.5	24.9	25.4
	8H	17.0	17.3	17.4	17.7	18.2	24.1	24.4	24.6	24.9	25.4
	12H	16.9	17.2	17.4	17.7	18.2	24.1	24.4	24.5	24.8	25.3
	4H	16.7	17.2	17.2	17.6	18.0	24.0	24.4	24.4	24.8	25.2
	6H	16.9	17.2	17.4	17.7	18.1	24.1	24.4	24.5	24.8	25.3
12H	8H	16.9	17.2	17.4	17.7	18.2	24.1	24.3	24.5	24.8	25.3
	8H	16.9	17.2	17.4	17.7	18.2	24.1	24.3	24.5	24.8	25.3
Variation of the observer position for the luminaire distances S											
S = 1.0H		+1.4 / -1.9					+0.3 / -0.4				
S = 1.5H		+2.4 / -2.6					+1.5 / -1.9				
S = 2.0H		+3.1 / -3.4					+2.8 / -4.4				
Standard table		BK02					BK03				
Correction		-2.5					5.4				
Summand											
Corrected Glare Indices referring to 6900lm Total Luminous Flux											

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Luminous emittance 1:

Luminaire classification according to CIE: 100
CIE flux code: 55 87 99 100 49

- Post or wall mounted luminaire c/w integral control gear.
- Extruded aluminium housing c/w die-cast aluminium end caps.
- Toughened safety glass cover with silk screen masking, hinges to body for easy maintenance.
- Anti-ageing silicone gaskets.
- High purity (99.85%) aluminium reflector anodised and polished.
- Adjustable lampholder position for FD (T5) versions, provides two types of distribution.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.

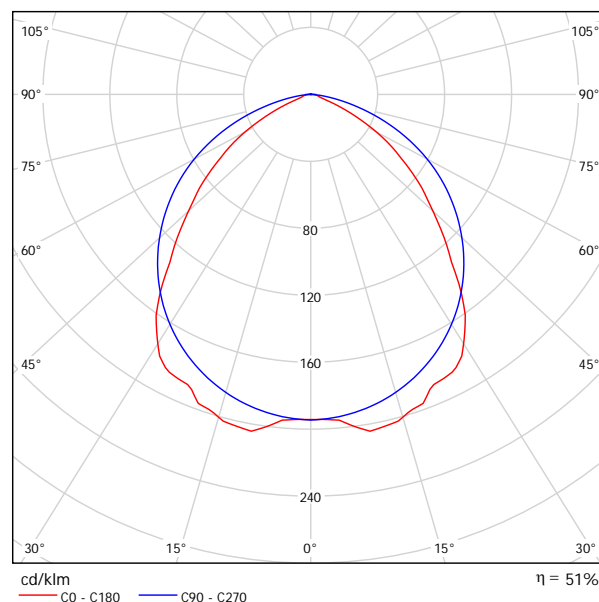
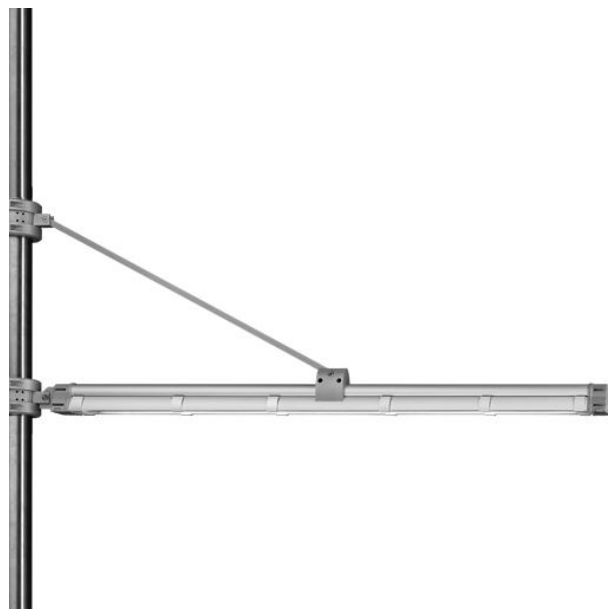
Luminous emittance 1:

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	20.0	21.3	20.3	21.5	21.7	22.9	24.1	23.2	24.3	24.6
	3H	20.3	21.3	20.6	21.6	21.9	24.3	25.4	24.6	25.6	25.9
	4H	20.3	21.3	20.6	21.6	21.8	24.7	25.7	25.0	26.0	26.3
	6H	20.3	21.2	20.6	21.5	21.8	24.9	25.8	25.2	26.1	26.4
	8H	20.2	21.1	20.6	21.4	21.8	24.9	25.8	25.3	26.1	26.4
	12H	20.2	21.1	20.6	21.4	21.7	24.9	25.8	25.3	26.1	26.4
4H	2H	20.7	21.8	21.1	22.0	22.3	23.1	24.1	23.4	24.4	24.7
	3H	21.0	21.9	21.4	22.2	22.5	24.6	25.5	25.0	25.8	26.1
	4H	21.1	21.8	21.4	22.2	22.5	25.1	25.8	25.5	26.2	26.6
	6H	21.1	21.7	21.5	22.1	22.5	25.4	26.0	25.8	26.4	26.8
	8H	21.1	21.7	21.5	22.1	22.5	25.4	26.0	25.8	26.4	26.8
	12H	21.1	21.6	21.5	22.0	22.4	25.4	25.9	25.8	26.3	26.8
8H	4H	21.2	21.8	21.6	22.2	22.6	25.0	25.6	25.5	26.0	26.4
	6H	21.2	21.7	21.7	22.1	22.6	25.3	25.8	25.8	26.2	26.7
	8H	21.2	21.7	21.7	22.1	22.6	25.4	25.8	25.8	26.2	26.7
	12H	21.3	21.6	21.7	22.1	22.6	25.4	25.7	25.9	26.2	26.7
	4H	21.2	21.7	21.6	22.1	22.5	25.0	25.5	25.5	25.9	26.4
	6H	21.2	21.6	21.7	22.1	22.6	25.3	25.7	25.8	26.1	26.6
12H	8H	21.2	21.6	21.7	22.1	22.6	25.3	25.7	25.8	26.2	26.7
	12H	21.2	21.6	21.7	22.1	22.6	25.3	25.7	25.8	26.2	26.7
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.5 / -0.7					+0.3 / -0.3				
S = 1.5H		+0.8 / -1.9					+0.4 / -0.7				
S = 2.0H		+1.5 / -4.1					+0.9 / -1.0				
Standard table		BK02					BK04				
Correction		1.0					5.7				
Summand											
Corrected Glare Indices referring to 9600lm Total Luminous Flux											

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Luminous emittance 1:

Luminaire classification according to CIE: 100
CIE flux code: 55 88 99 100 51

- Post or wall mounted luminaire c/w integral control gear.
- Extruded aluminium housing c/w die-cast aluminium end caps.
- Toughened safety glass cover with silk screen masking, hinges to body for easy maintenance.
- Anti-ageing silicone gaskets.
- High purity (99.85%) aluminium reflector anodised and polished.
- Adjustable lampholder position for FD (T5) versions, provides two types of distribution.
- Die-cast aluminium pole fixing clamps.
- Aluminium support rod painted finish.
- Stainless steel external fixings.

Luminous emittance 1:

Glare Evaluation According to UGR

p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p 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	20.5	21.7	20.7	21.9	22.1	22.7	23.9	23.0	24.1	24.3
	3H	20.6	21.7	21.0	22.0	22.2	24.1	25.1	24.4	25.4	25.6
	4H	20.6	21.6	20.9	21.9	22.2	24.4	25.4	24.8	25.7	26.0
	6H	20.6	21.5	20.9	21.8	22.1	24.6	25.6	25.0	25.8	26.2
	8H	20.6	21.5	20.9	21.8	22.1	24.6	25.5	25.0	25.8	26.2
4H	12H	20.6	21.4	20.9	21.7	22.1	24.6	25.5	25.0	25.8	26.2
	2H	21.1	22.1	21.4	22.4	22.6	22.9	23.9	23.3	24.2	24.5
	3H	21.3	22.2	21.7	22.5	22.8	24.4	25.2	24.8	25.6	25.9
	4H	21.3	22.1	21.7	22.4	22.8	24.9	25.6	25.3	26.0	26.3
	6H	21.3	22.0	21.7	22.3	22.7	25.1	25.8	25.5	26.1	26.5
8H	8H	21.3	21.9	21.8	22.3	22.7	25.2	25.7	25.6	26.1	26.5
	12H	21.3	21.9	21.8	22.3	22.7	25.2	25.7	25.6	26.1	26.5
	4H	21.4	22.0	21.8	22.4	22.8	24.8	25.4	25.2	25.8	26.2
	6H	21.4	21.9	21.9	22.3	22.8	25.1	25.5	25.5	26.0	26.4
	8H	21.5	21.9	21.9	22.3	22.8	25.1	25.5	25.6	26.0	26.5
12H	12H	21.5	21.8	22.0	22.3	22.8	25.1	25.5	25.6	26.0	26.5
	4H	21.4	21.9	21.8	22.3	22.8	24.8	25.3	25.2	25.7	26.1
	6H	21.4	21.8	21.9	22.3	22.8	25.0	25.5	25.5	25.9	26.4
8H	21.4	21.8	21.9	22.3	22.8	25.1	25.4	25.6	25.9	26.4	
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.5 / -0.7					+0.3 / -0.3				
S = 1.5H		+0.8 / -1.9					+0.5 / -0.8				
S = 2.0H		+1.6 / -4.3					+0.8 / -1.1				
Standard table		BK02					BK04				
Correction		1.5					5.6				
Summand											
Corrected Glare Indices referring to 12000lm Total Luminous Flux											

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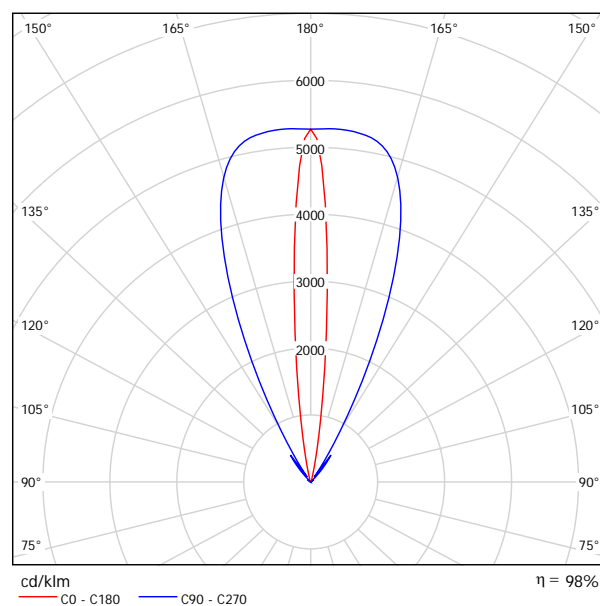
SBP_URBANLIGHTING 06017496 CRICKET AL 168+/-LED/ELL / Luminaire Data Sheet



Luminaire classification according to CIE: 0
CIE flux code: 00 00 00 00 103

- Technopolymer body and outer recessing enclosure provides high corrosion resistance and stability in variable ambient temperatures.
- Safety toughened float glass IK 09 – 16 joule.
- Anti-ageing silicone gaskets which properties include flexibility and recovery to maintain IP67 integrity.
- Aluminium frame finished polyester painted silver-grey (168+/96).
- Power LEDs mounted on heatsink which can be adjusted by the user.
- Lenses for ellipsoidal emissions (48°x10°).
- Cable gland, for Ø6 to 10mm cables.
- WATER STOP system for simple and safe electrical connection.
- 220÷240V • 50/60Hz.
- Stainless steel external fixings.

Luminous emittance 1:

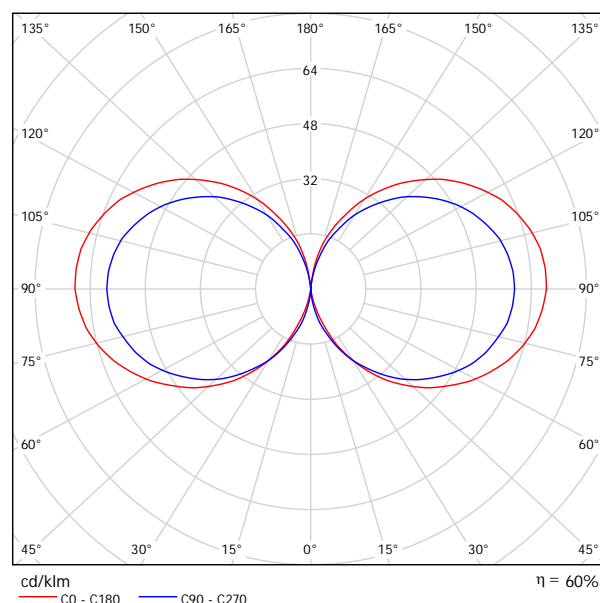


Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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e-Mail milan.milosevic@tigar.com**SBP_URBANLIGHTING 05194204 KHA SLIM INOX 55-80/250-04 / Luminaire Data Sheet**

Luminous emittance 1:

Luminaire classification according to CIE: 50
CIE flux code: 12 36 66 50 60

- Body and top cover in AISI 316 stainless steel or aluminium polyester powder coated, black or grey sanded finished.
- UV stabilised high-tech techno polymer impact resistant lamp cover (PC-HT).
- High purity aluminium reflectors provide comfortable low glare light control and avoid reflection back onto lamp to improve its longevity.
- Techno polymer gear housing.
- Models with 220cm and 250cm height are complete with fast and simple PA66 IP68 plug for electrical connection, suitable to take up to 3x1,5/2,5 mm² cables Ø9-14mm.
- Models with 31/35cm and 93cm height have a polyamide connection box provided with M16x1.5 anti tearing IP68 cable gland, for Ø5-10mm cables.
- 220-240V, 50/60Hz supply electronic control gear.
- Anti-ageing silicone rubber gaskets.
- Stainless steel external screw fixings.

Luminous emittance 1:

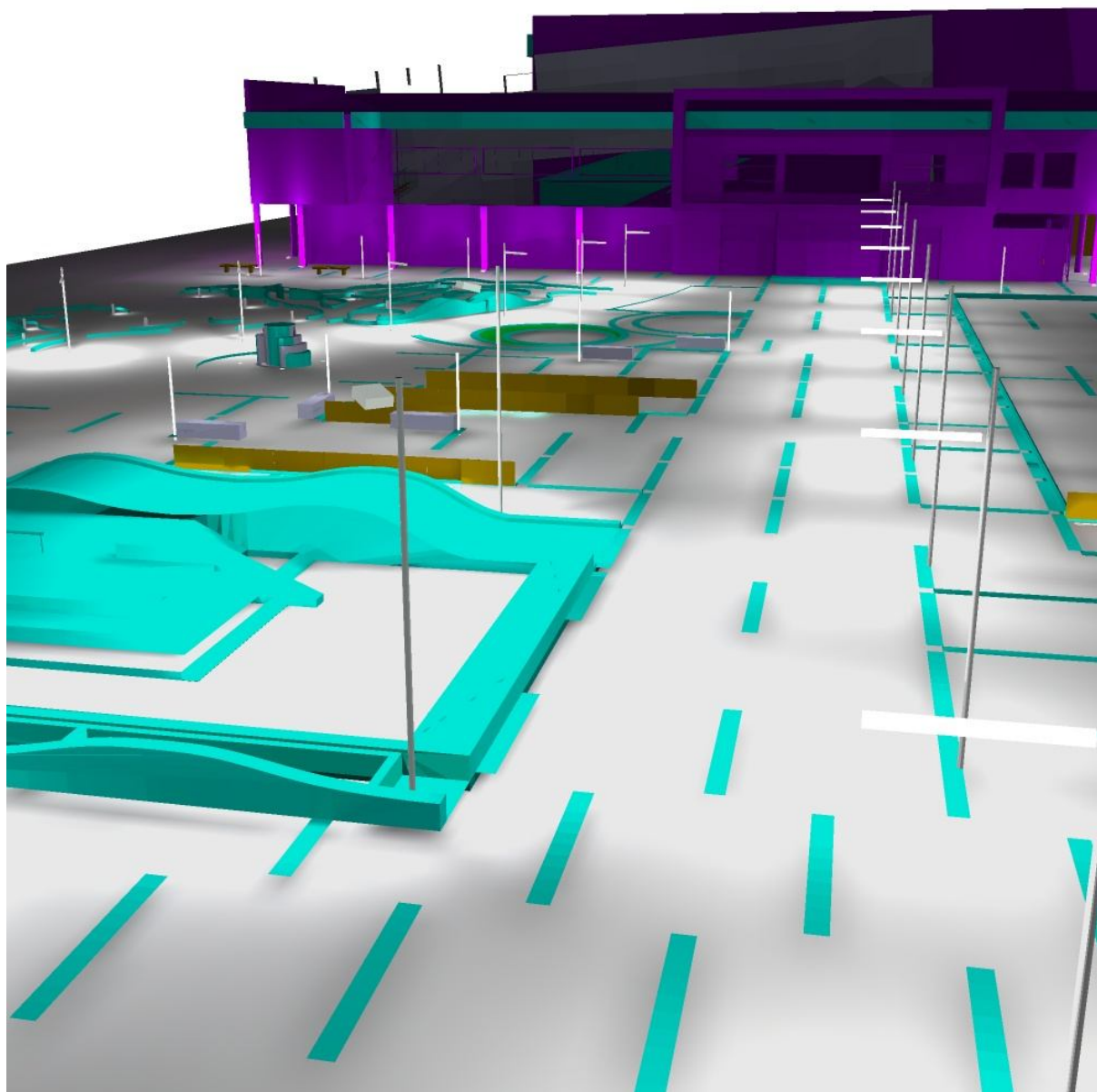
Glare Evaluation According to UGR												
ρ Ceiling		70	70	50	50	30	70	70	50	50	30	
ρ Walls		50	30	50	30	30	50	30	50	30	30	
ρ Floor		20	20	20	20	20	20	20	20	20	20	
Room Size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis					
2H	2H	23.5	24.5	24.4	25.5	26.7	22.7	23.7	23.6	24.6	25.9	
	3H	27.4	28.3	28.3	29.3	30.5	26.5	27.4	27.4	28.3	29.6	
	4H	29.5	30	30	31.3	32.6	28.5	29.4	29.5	30.4	31.6	
	6H	31.8	32.6	32.7	33.6	34.9	30.8	31.6	31.8	32.6	33.9	
	8H	33.1	33.8	34.0	34.8	36.1	32.1	32.9	33.0	33.8	35.1	
	12H	34.5	35.2	35.4	36.2	37.5	33.5	34.2	34.4	35.2	36.5	
4H	2H	24.7	25.6	25.7	26.6	27.8	24.2	25.1	25.1	26.0	27.3	
	3H	28.7	29.4	29.6	30.4	31.7	27.9	28.7	28.9	29.7	31.0	
	4H	30.9	31.6	31.9	32.6	33.9	30.1	30.8	31.0	31.8	33.1	
	6H	33.4	34.0	34.4	35.0	36.3	32.4	33.1	33.4	34.1	35.4	
	8H	34.7	35.3	35.7	36.3	37.6	33.7	34.3	34.7	35.3	36.7	
	12H	36.2	36.7	37.2	37.8	39.1	35.2	35.8	36.2	36.8	38.1	
8H	4H	31.7	32.3	32.7	33.3	34.6	31.1	31.7	32.1	32.7	34.0	
	6H	34.4	34.9	35.5	36.0	37.3	33.7	34.2	34.7	35.2	36.5	
	8H	36.0	36.4	37.0	37.5	38.8	35.1	35.6	36.1	36.6	38.0	
	12H	37.7	38.1	38.7	39.1	40.5	36.8	37.2	37.8	38.2	39.6	
12H	4H	31.9	32.5	32.9	33.5	34.8	31.4	31.9	32.4	33.0	34.3	
	6H	34.8	35.2	35.8	36.3	37.6	34.1	34.5	35.1	35.6	37.0	
	8H	36.4	36.8	37.5	37.9	39.2	35.7	36.1	36.7	37.1	38.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.2					+0.2 / -0.2					
S = 1.5H		+0.3 / -0.4					+0.3 / -0.3					
S = 2.0H		+0.5 / -0.6					+0.5 / -0.5					
Standard table		---					---					
Correction Summand		---					---					
Corrected Glare Indices referring to 4800lm Total Luminous Flux												

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FOTOMETRIJSKI PRORAČUN / 3D Rendering

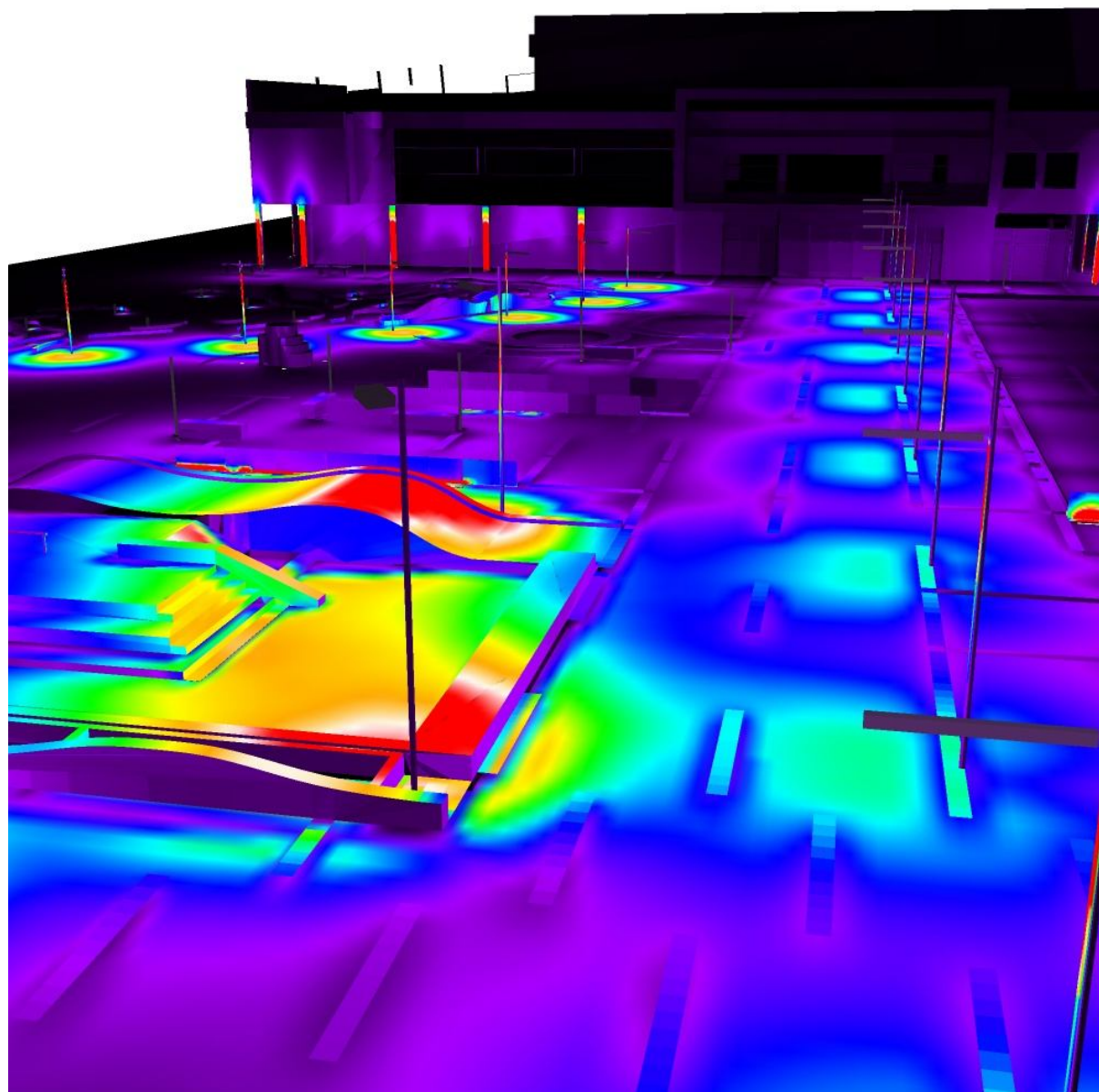


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FOTOMETRIJSKI PRORAČUN / False Color Rendering



0 25 50 75 100 125 150 175 200 lx