

Site 1

**Luminaire list** $\Phi_{total}$ 

779650 lm

 $P_{total}$ 

18768.5 W

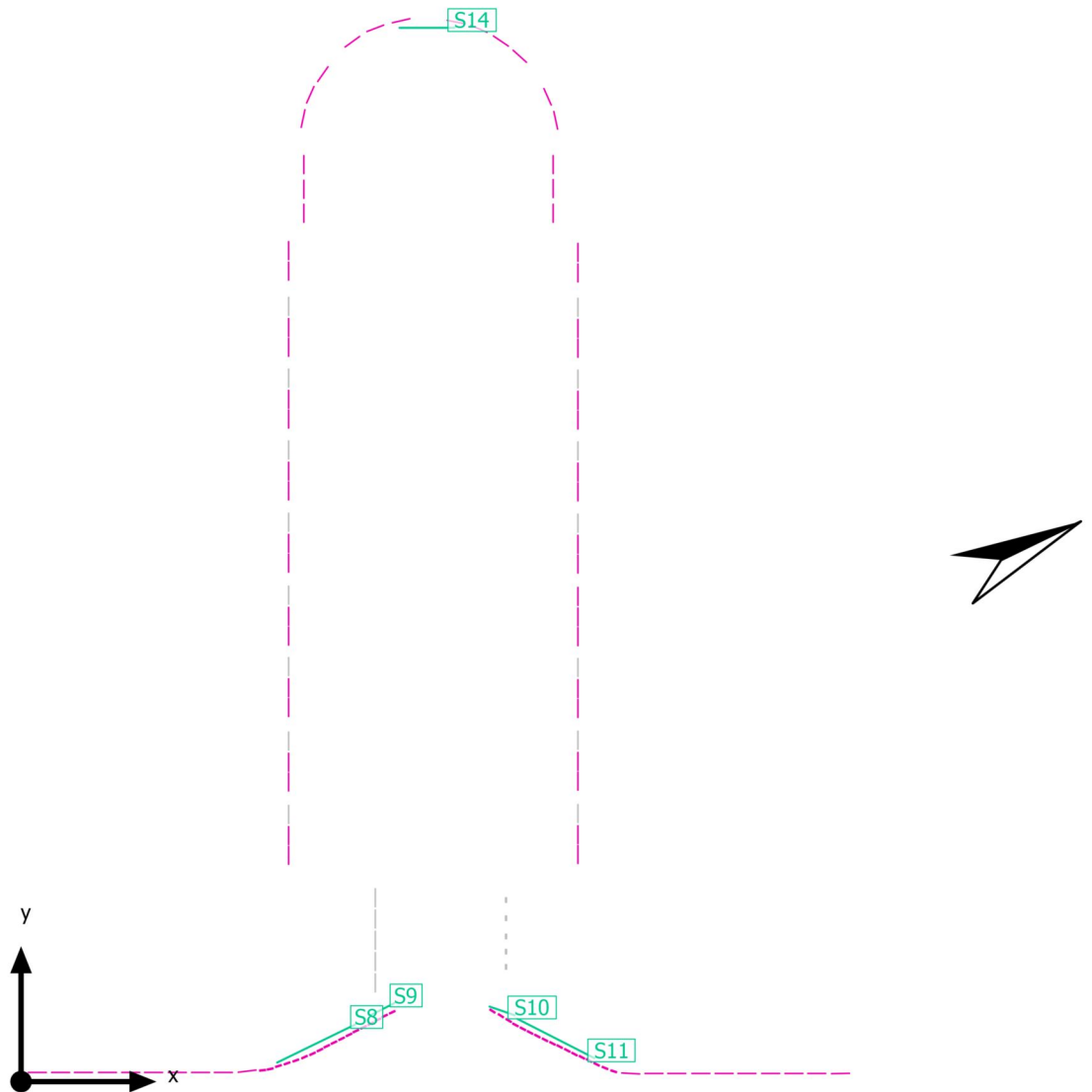
Luminous efficacy

41.5 lm/W

pcs.	Manufacturer	Article No.	Article name	P	$\Phi$	Luminous efficacy
5	Philips Color Kinetics	ColorBlast RGB Powercore gen4	Flood Fixture with 36 LEDs, Red/Green/Blue, 60deg Diffuser Lens. Serial #8800F70B. Date Code 1535 SCG 0001.	49.9 W	1461 lm	29.3 lm/W
35	SGM		I-5 RGBW_All on_raw_LM-79	439.0 W	16538 lm	37.7 lm/W
95	Traxon Technologies Limited		AL Linear AC 1200 RGBW 60X10 CE -RGB	33.2 W	2037 lm	61.5 lm/W

Site 1 (1. Base)

Calculation objects



Site 1 (1. Base)

**Calculation objects**

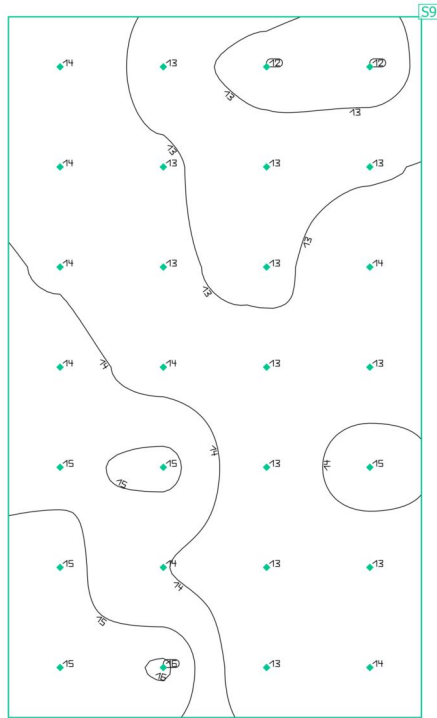
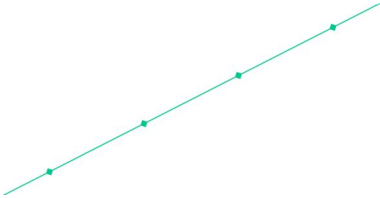
## Calculation surfaces

Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$\bar{E}/E_{min}$	$E_{max}/E_{min}$	Index
Medium Pillars L Perpendicular illuminance Height: 41.339 ft	151 lx	72.8 lx	223 lx	2.07	3.06	S8
Medium Pillars L Vertical illuminance Rotation: 0.0°, Height: 41.339 ft	265 lx	194 lx	337 lx	1.37	1.74	S8
High Pillars L Perpendicular illuminance Height: 144.356 ft	9.64 lx	8.99 lx	10.7 lx	1.07	1.19	S9
High Pillars L Vertical illuminance Rotation: 0.0°, Height: 144.356 ft	13.7 lx	12.4 lx	15.5 lx	1.10	1.25	S9
High Pillars R Perpendicular illuminance Height: 144.028 ft	10.6 lx	9.57 lx	12.3 lx	1.11	1.29	S10
High Pillars R Vertical illuminance Rotation: 0.0°, Height: 144.028 ft	25.9 lx	17.0 lx	29.2 lx	1.52	1.72	S10
Medium Pillars R Perpendicular illuminance Height: 41.339 ft	130 lx	75.2 lx	191 lx	1.73	2.54	S11
Medium Pillars R Vertical illuminance Rotation: 0.0°, Height: 41.339 ft	224 lx	141 lx	302 lx	1.59	2.14	S11
Apse Perpendicular illuminance Height: 61.813 ft	0.99 lx	0.002 lx	3.65 lx	-	-	S14
Apse Vertical illuminance Rotation: 0.0°, Height: 61.813 ft	1.55 lx	0.00 lx	4.72 lx	-	-	S14

Utilisation profile: DIALux preset, Default (Drive Aisles/Parking Areas)

Site 1 (1. Base)

**High Pillars L**

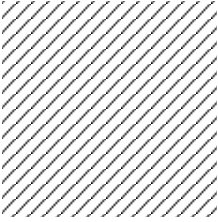


Properties	$\bar{E}$	$E_{min}$	$E_{max}$	$\bar{E}/E_{min}$	$E_{max}/E_{min}$	Index
High Pillars L Vertical illuminance Rotation: 0.0°, Height: 144.356 ft	13.7 lx	12.4 lx	15.5 lx	1.10	1.25	S9

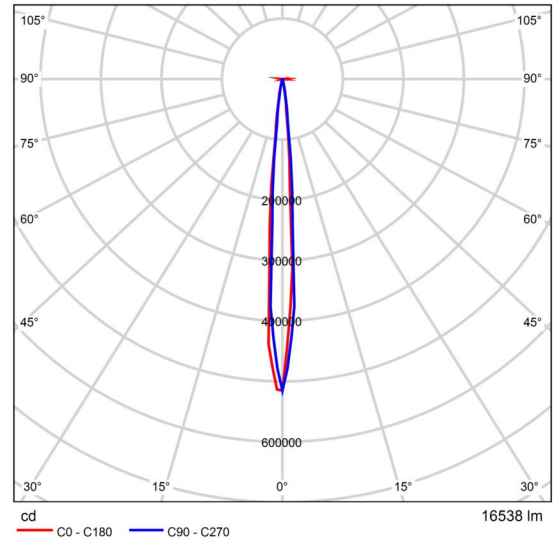
Utilisation profile: DIALux preset, Default (Drive Aisles/Parking Areas)

## Product data sheet

SGM I-5 RGBW\_All on\_raw\_LM-79



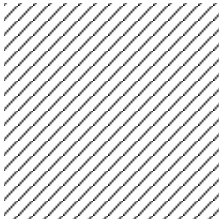
Article No.	
P	439.0 W
$\Phi_{\text{Luminaire}}$	16538 lm
Luminous efficacy	37.7 lm/W
CCT	3000 K
CRI	100



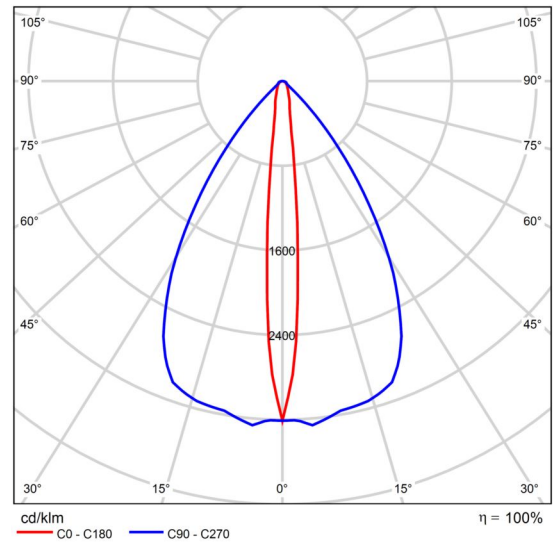
Polar LDC

## Product data sheet

Traxon Technologies Limited AL Linear AC 1200 RGBW 60X10 CE -RGB



Article No.	
P	33.2 W
$\Phi_{Lamp}$	2040 lm
$\Phi_{Luminaire}$	2037 lm
$\eta$	99.85 %
Luminous efficacy	61.5 lm/W
CCT	3000 K
CRI	100



Polar LDC

Glare evaluation according to UGR												
		70	70	50	50	30	70	70	50	50	30	
p Ceiling		50	30	50	30	30	50	30	50	30	30	
p Walls		20	20	20	20	20	20	20	20	20	20	
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	14.2	15.1	14.5	15.4	15.6	19.4	20.3	19.6	20.5	20.7	
	3H	15.2	16.1	15.5	16.3	16.6	20.0	20.9	20.3	21.1	21.4	
	4H	15.3	16.1	15.6	16.3	16.6	20.5	21.3	20.8	21.6	21.9	
	6H	15.2	16.0	15.6	16.2	16.5	21.0	21.8	21.4	22.0	22.3	
	8H	15.2	15.9	15.5	16.2	16.5	21.2	22.0	21.6	22.2	22.6	
12H	15.1	15.8	15.5	16.1	16.4	21.4	22.1	21.8	22.4	22.7		
4H	2H	15.0	15.7	15.3	16.0	16.3	19.4	20.2	19.7	20.4	20.7	
	3H	16.1	16.8	16.5	17.1	17.4	20.2	20.9	20.6	21.2	21.5	
	4H	16.2	16.8	16.6	17.2	17.5	20.9	21.5	21.3	21.8	22.2	
	6H	16.1	16.7	16.6	17.0	17.4	21.6	22.1	22.0	22.5	22.8	
	8H	16.1	16.6	16.5	17.0	17.4	21.9	22.4	22.3	22.7	23.1	
12H	16.1	16.5	16.5	16.9	17.3	22.1	22.6	22.6	23.0	23.4		
8H	4H	16.5	17.0	16.9	17.4	17.8	20.9	21.4	21.3	21.8	22.2	
	6H	16.5	16.8	16.9	17.3	17.7	21.6	22.0	22.1	22.4	22.9	
	8H	16.4	16.7	16.9	17.2	17.7	22.0	22.3	22.5	22.8	23.2	
	12H	16.4	16.7	16.9	17.1	17.6	22.3	22.6	22.8	23.0	23.5	
	12H	16.6	17.0	17.0	17.4	17.8	20.8	21.3	21.3	21.7	22.1	
6H	16.5	16.8	17.0	17.3	17.7	21.6	21.9	22.1	22.4	22.8		
8H	16.4	16.7	16.9	17.2	17.7	21.9	22.2	22.4	22.7	23.2		
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.3					+2.2 / -1.0					
S = 1.5H		+0.3 / -0.7					+4.2 / -1.2					
S = 2.0H		+0.5 / -1.2					+5.9 / -1.5					
Standard table		BK03					BK03					
Correction Summand		-1.2					3.8					
Corrected glare indices referring to 2040lm Total luminous flux												

UGR diagram (SHR: 0.25)