

# Space

Design: AART Designers



The design of Space is timeless and appealingly friendly, meeting the criteria to be well suited for both modern and old architecture – and for public and private spaces.

The non-directional luminaire can be seen from any direction with the same unique pleasant design expression. Due to the wide proportions, Space looks elegant on low and high poles.

The sheer size of the luminaire has made it possible to design and engineer an innovative solution applying direct, indirect and reflected lighting. The direct light is combined with reflected light from the inner top reflector and slightly diffused light from the circular diffuser, which elegantly follows and underlines the circular shape of the luminaire. All done to achieve comfortable human lighting in a fine balance with highly efficient and uniform lighting distributions - both with symmetrical and asymmetrical light.

The main applications are pedestrian areas like pathways, city squares, parks, playgrounds, university and company campuses, parking areas, bicycle roads and many other public and private areas.



F-L LIGHTING

# Space - asymmetric

Design: AART Designers



Composed by circular units and rings, Space is unique in regard to anti-glare and lighting distribution.

In the asymmetrical lighting distribution the innovative design makes it possible to obtain excellent distribution with high uniformity without changing the visual impression. Space is harmonious and fully enlightened even with asymmetrical lighting distribution.

The result of asymmetrical distribution is up to 28% energy savings and 24% longer pole distance in comparison with symmetrical lighting distribution.

## **Two types of asymmetry:**

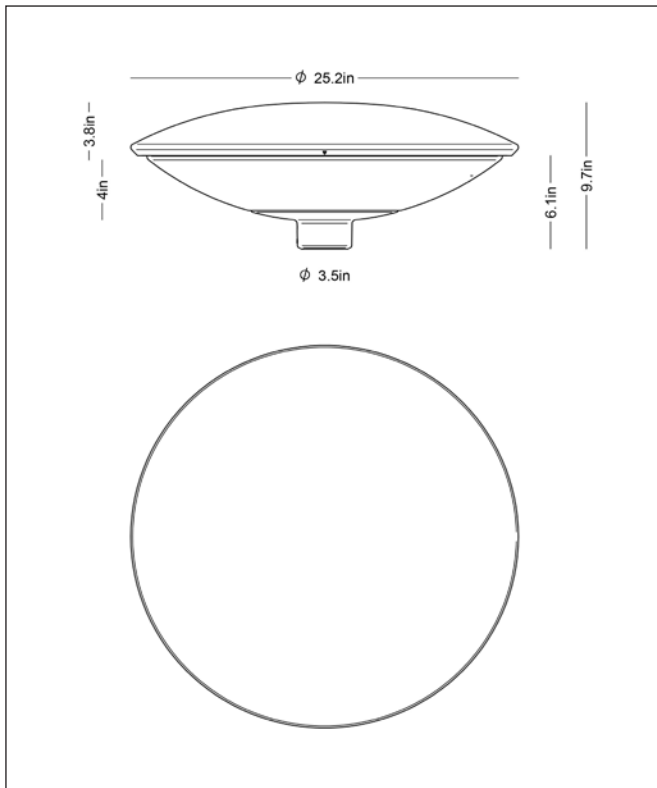
The type IV asymmetry is the right solution in most applications. In case of specific requirements to pole distance and uniformity, type II asymmetry could be advantageous.



F-L LIGHTING

# Space - asymmetric T2

Design: AART Designers



## Specification:

Material:	Cast aluminium
Finish:	Raw anodized Graphite grey: YW355F Silver grey: Y2370I Corten brown: YX355F Black textured mat: Noir 900 Sablé, SN351F RAL by your choice
Shade:	Clear long-life polycarbonate with UV-resistant acrylate on both sides.
Mounting:	Post top/pipe: Ø2,4 in x h4 in or Ø3 x h2 in
Connection:	In the post, 18 ft SJTW5xAWG18 (SJTW3x AWG18 for NEMA socket), is included
Classification:	cULus; Wet location; IP66; class I; IK10 (with NEMA socket IK09)
Corrosion class:	C4, C5 optional
Weight:	22 lbs
Wind sweeping area:	0.97 ft <sup>2</sup>

## Driver spec:

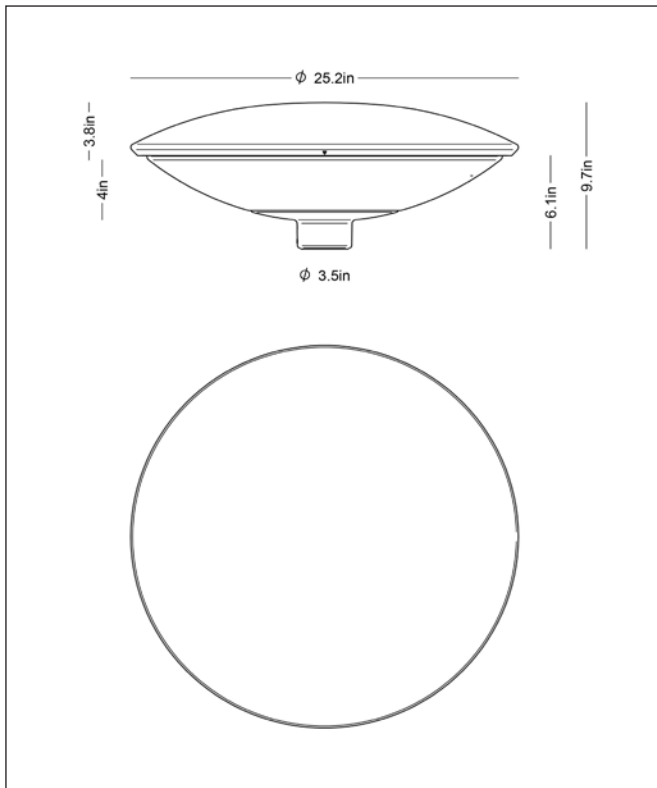
Driver:	Xitanium 55W 0.1-1.8A 0-10V
Inrush current:	@120V; max 23 A (10% after 166,5 µs) @277V; max 26 A (10% after 73 µs)
Nominal voltage, AC:	120-277 Vac
Operational input voltage, AC:	108-305 Vac
Nominal voltage, DC:	
Nominal freq. range:	50-60 Hz
Surge protection:	L/N-GND: 2,5 k; L-N: 2,5 kV
Operational life:	min 50,000 hours

## LED spec:

LED:	Bridgelux COB
Operational life:	min 100,000 hours at ta max 77°F (25° C), L90B10
Colour temperature:	2700, 3000, or 4000 Kelvin
Colour rendering:	min 80 CRI, typically 85 CRI, option for 90 CRI, 3000K, with R9 = 72 (longer lead times for CRI 90)
Colour accuracy:	3 steps SDCM

# Space - asymmetric T4

Design: AART Designers



## Specification:

Material:	Cast aluminium
Finish:	Raw anodized Graphite grey: YW355F Silver grey: Y2370I Corten brown: YX355F Black textured mat: Noir 900 Sablé, SN351F RAL by your choice
Shade:	Clear long-life polycarbonate with UV-resistant acrylate on both sides.
Mounting:	Post top/pipe: Ø2,4 in x h4 in or Ø3 x h2 in
Connection:	In the post, 18 ft SJTW5xAWG18 (SJTW3x AWG18 for NEMA socket), is included
Classification:	cULus; Wet location; IP66; class I; IK10 (with NEMA socket IK09)
Corrosion class:	C4, C5 optional
Weight:	22 lbs
Wind sweeping area:	0.97 ft <sup>2</sup>

## Driver spec:

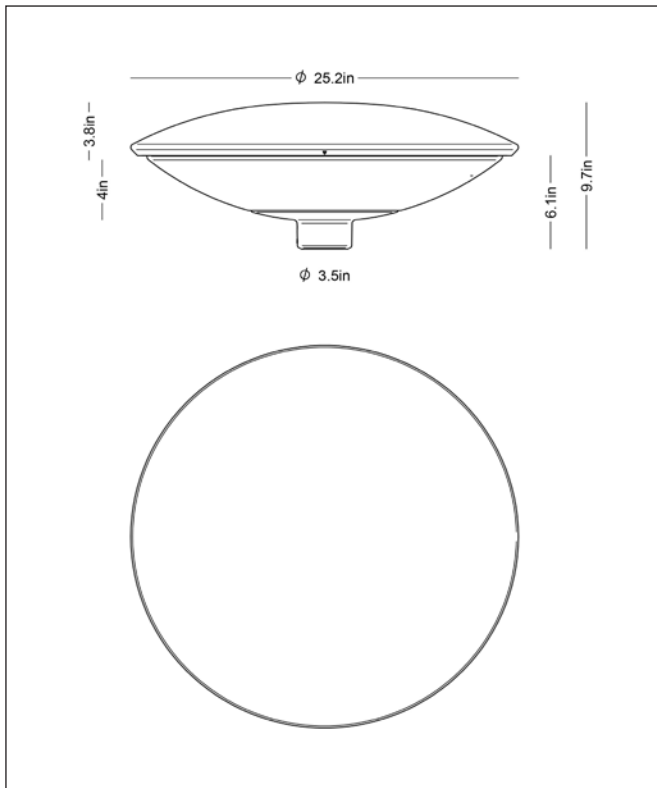
Driver:	Xitanium 55W 0.1-1.8A 0-10V
Inrush current:	@120V; max 23 A (10% after 166,5 µs) @277V; max 26 A (10% after 73 µs)
Nominal voltage, AC:	120-277 Vac
Operational input voltage, AC:	108-305 Vac
Nominal voltage, DC:	
Nominal freq. range:	50-60 Hz
Surge protection:	L/N-GND: 2,5 k; L-N: 2,5 kV
Operational life:	min 50,000 hours

## LED spec:

LED:	Bridgelux COB
Operational life:	min 100,000 hours at ta max 77°F (25° C), L90B10
Colour temperature:	2700, 3000, or 4000 Kelvin
Colour rendering:	min 80 CRI, typically 85 CRI, option for 90 CRI, 3000K, with R9 = 72 (longer lead times for CRI 90)
Colour accuracy:	3 steps SDCM

# Space - symmetric T5

Design: AART Designers



## Specification:

Material:	Cast aluminium
Finish:	Raw anodized Graphite grey: YW355F Silver grey: Y2370I Corten brown: YX355F Black textured mat: Noir 900 Sablé, SN351F RAL by your choice
Shade:	Clear long-life polycarbonate with UV-resistant acrylate on both sides.
Mounting:	Post top/pipe: Ø2,4 in x h4 in or Ø3 x h2 in
Connection:	In the post, 18 ft SJTW5xAWG18 (SJTW3x AWG18 for NEMA socket), is included
Classification:	cULus; Wet location; IP66; class I; IK10 (with NEMA socket IK09)
Corrosion class:	C4, C5 optional
Weight:	22 lbs
Wind sweeping area:	0.97 ft <sup>2</sup>

## Driver spec:

Driver:	Xitanium 55W 0.1-1.8A 0-10V
Inrush current:	@120V; max 23 A (10% after 166,5 µs) @277V; max 26 A (10% after 73 µs)
Nominal voltage, AC:	120-277 Vac
Operational input voltage, AC:	108-305 Vac
Nominal voltage, DC:	
Nominal freq. range:	50-60 Hz
Surge protection:	L/N-GND: 2,5 k; L-N: 2,5 kV
Operational life:	min 50,000 hours

## LED spec:

LED:	Bridgelux COB
Operational life:	min 100,000 hours at ta max 77°F (25° C), L90B10
Colour temperature:	2700, 3000, or 4000 Kelvin
Colour rendering:	min 80 CRI, typically 85 CRI, option for 90 CRI, 3000K, with R9 = 72 (longer lead times for CRI 90)
Colour accuracy:	3 steps SDCM

## Spec-sheet - Space Asymmetric T2

### Product Info

Item No	Wattage	Current	2700K	3000K	4000K	BUG	lm/W
US9021	27W	440 mA	2535 lm	2693 lm	2772 lm	B1 U2 G1	94-103
US9022	33W	560 mA	3213 lm	3414 lm	3514 lm	B1 U3 G2	97-106
US9023	40W	680 mA	3886 lm	4129 lm	4250 lm	B1 U3 G2	97-106
US9024	47W	800 mA	4553 lm	4838 lm	4981 lm	B2 U3 G2	97-106

### Variant codes

Color	Corrosion Class	Color Temp/CRI	Supply Voltage	Controls	Mounting
01 raw anodized	C4 C4 Standard	827 2700K, 80 CRI	W 120-277 (60 Hz)	N Nema	M1 post top 2.4 inch
17 corten brown	C5 C5 Coastal	830 3000K, 80 CRI		V 0-10V	M2 post top 3.0 inch
4 graphite grey		840 4000K, 80 CRI			
66 black textured mat					
9 silver grey					
RAL other RAL colors					

### Accessories

Item no	Option
8016-xx	Distance ring 3.5 inch in coated aluminum (combine with color code)
8017-xx	House side shield in coated aluminum (Combine with color code)