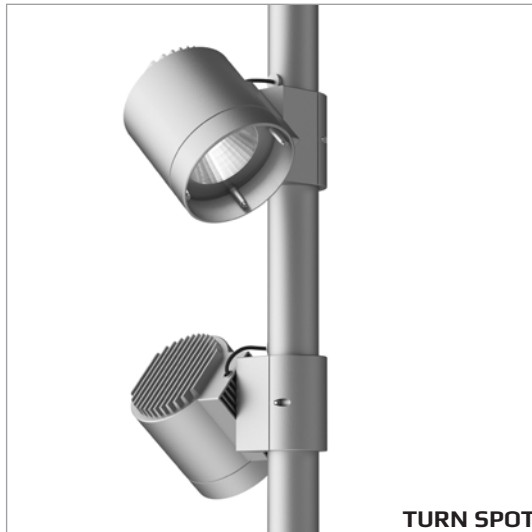


# Turn

Design: FRIIS & MOLTKE Design



**Turn** by Friis & Moltke Design is a new brand in the Focus program.

The luminaires in cast aluminium have silk-edged shades in clear glass. The housing is completed by a long ring in cast aluminium or a short, opal-white acrylate ring.

**Turn** is available as a spot with reflector or with optics for asymmetrical light.



**Turn Spot** is equipped with a long ring in cast aluminium for cut-off and antiglare.

**Turn Spot Halo** is equipped with a short, opal-white acrylate ring, opening the luminaire and offering optical guidance.

Both spots are equipped with reflector and LED with light distribution in three angles: narrow (12°), medium (19°), and wide (38°).

The spots can be adjusted horizontally around the post and vertically in the bracket. When holes have been bored in the post, the spots can be turned 90 degrees to both sides.



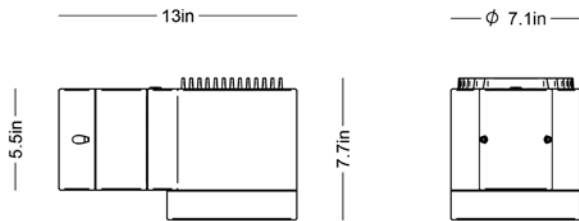
**Turn Street Halo** is available in one version only. The closing with the short, opal-white ring opens up for asymmetrical light onto cycling lanes and pedestrian areas.

The street luminaire will be equipped with programmed LED and lenses for asymmetrical light.

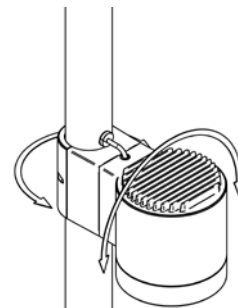
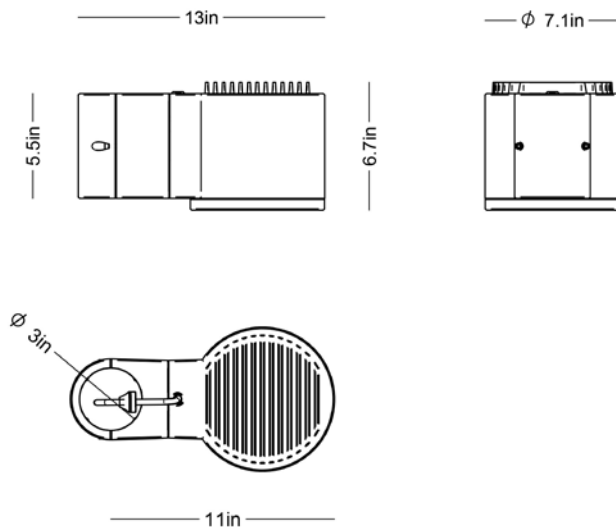
# Turn Spot + Turn Spot Halo

Design: FRIIS & MOLTKE Design

## TURN SPOT



## TURN SPOT HALO



### Luminaire specs:

Material:	Cast aluminium
Turn Spot:	Cast aluminium
Turn Spot Halo:	Cast aluminium and opal-white acrylate
Coating:	Raw anodized Graphite grey: YW355F, Akzo Nobel Silver grey: Y2370I, Akzo Nobel Corten brown: YX355F, Akzo Nobel Black textured mat: Noir 900 Sablé, SN351F, Akzo Nobel
Shade:	Clear glass with silked edge, Honeycomb filter optional
Mounting:	Post top/pipe: Ø3 in, Ø2,4 in with adaptor, Ø2.4-Ø3.5 in, Ø3.5-Ø4.7 inch
Connection:	In the post, 18 ft SJTW5xAWG18, is included
Classification:	IP66, class II
Impact resistance:	IK08
Corrosion class:	C4, C5 optional
Weight:	13 lbs/ 12 lbs (Turn Spot Halo)
Wind sweeping area:	0,61 ft²/ 0,57 ft² (Turn Spot Halo)

### LED specs:

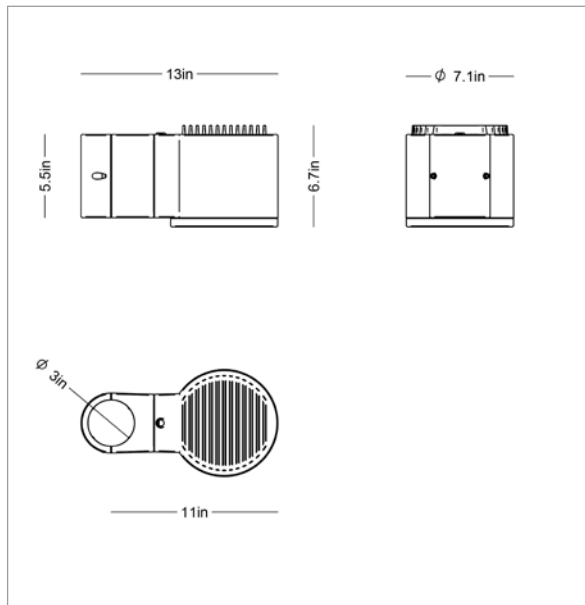
LED:	Bridgelux COB
Beam angles:	wide (38°) or medium (19°)
Operational life:	min 100,000 hours at ta max 77°F (25°C), L90B10
Color temperature:	2700, 3000, or 4000 Kelvin
Color rendering:	min 80 CRI, typically 85 CRI
Color accuracy:	3 steps SDCM

### Driver specs:

Driver:	Inventronic 30W 55-1050mA
Inrush current:	@120V; max 21,4 A (10% after 280 µs) @277V; max 51,5 A (10% after 274 µs)
Nominal voltage, AC:	120-277 Vac
Op. input voltage, AC:	90-305 Vac
Nominal voltage, DC:	127-300 Vdc
Nom. frequency range:	50-60 Hz
Surge protection:	L/N-GND: 6 k; L-N: 4 kV
Operational life:	min 100,000 hours
Dimming/control:	0-10V
Other control options:	/

# Turn Street Halo

Design: FRIIS & MOLTKE Design



## Luminaire specs:

Material:	Cast aluminium
Turn Spot:	Cast aluminium and opal-white acrylate
Turn Spot Halo:	Raw anodized
Coating:	Graphite grey: YW355F, Akzo Nobel Silver grey: Y2370I, Akzo Nobel Corten brown: YX355F, Akzo Nobel Black textured mat: Noir 900 Sablé, SN351F, Akzo Nobel
Shade:	Clear glass with silked edge, Honeycomb filter optional
Mounting:	Post top/pipe: Ø3 in, Ø2,4 in with adaptor, Ø2.4-Ø3.5 in, Ø3.5-Ø4.7 inch
Connection:	In the post, 18 ft SJTW5xAWG18, is included
Classification:	IP66, class II
Impact resistance:	IK08
Corrosion class:	C4, C5 optional
Weight:	12 lbs
Wind sweeping area:	0,57 ft <sup>2</sup>

## LED specs:

LED type:	FF-DA with lenses
Operational life:	min 100,000 hours at ta max 77°F (25°C), L90B10
Color temperature:	2700, 3000, or 4000 Kelvin
Color rendering:	min 70, typically 75 CRI, 80 CRI optional
Colour accuracy:	5 steps SDCM

## Driver specs:

Driver:	Inventronic 30W 55-1050mA
Inrush current:	@120V; max 21,4 A (10% after 280 µs) @277V; max 51,5 A (10% after 274 µs)
Nominal voltage, AC:	120-277 Vac
Op. input voltage, AC:	90-305 Vac
Nominal voltage, DC:	127-300 Vdc
Nom. frequency range:	50-60 Hz
Surge protection:	L/N-GND: 6 k; L-N: 4 kV
Operational life:	min 100,000 hours
Dimming/control:	0-10V
Other control options:	/

## Spec-sheet - Turn Spot Wide

### Product Info

Item No	Wattage	Current	2700K	3000K	4000K	BUG	lm/W
US6003	20W	600 mA	2673 lm	2840 lm	2924 lm	B3 U0 G0	134-146
US6004	33W	900 mA	3925 lm	4170 lm	4293 lm	B3 U0 G0	119-130

### Variant codes

Color	Corrosion Class	Color Temp/CRI	Supply Voltage	Controls	Filter	Mounting
01 raw anodized	C4 C4 Standard	827 2700K, 80 CRI	W 120-277 (60 Hz)	V 0-10V	H No honeycomb	B1 3.0 inch
17 corten brown	C5 C5 Coastal	830 3000K, 80 CRI			H1 Honeycomb	B2 2.4-3.5 inch
4 graphite grey		840 4000K, 80 CRI				B3 3.5-4.7 inch
66 black textured mat						
9 silver grey						
RAL other RAL colors						