

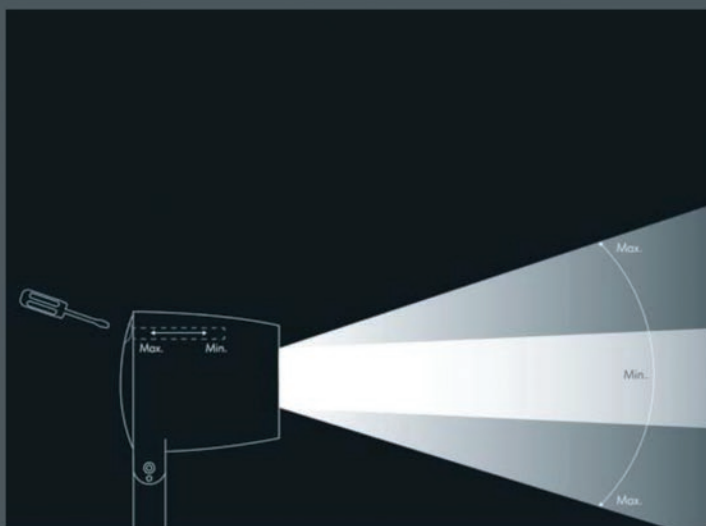


New Products 2018



Monospot is a new floodlight series with innovative technology and design. It comes in 4 sizes with varying wattages. In addition to a wide range of fixed light distributions, there is also the Vario Optic version which allows the light beam to be adjusted to suit the specific lighting task.

The housings are free of joins and ridges, in or on which dirt and dust can collect. The puristic design and the compact dimensions allow these products to be integrated discreetly into any architectural surrounding.

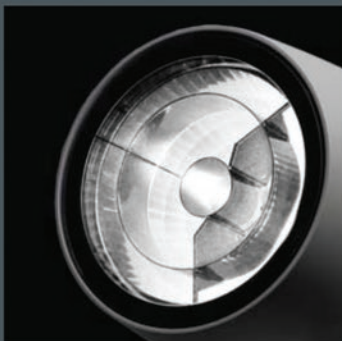


The Vario Optic makes it possible to adjust the beam angle. This is done from outside the luminaire so that the optimal beam angle can be achieved while the floodlight is switched on. This function offers a high degree of flexibility, for example in landscape lighting.

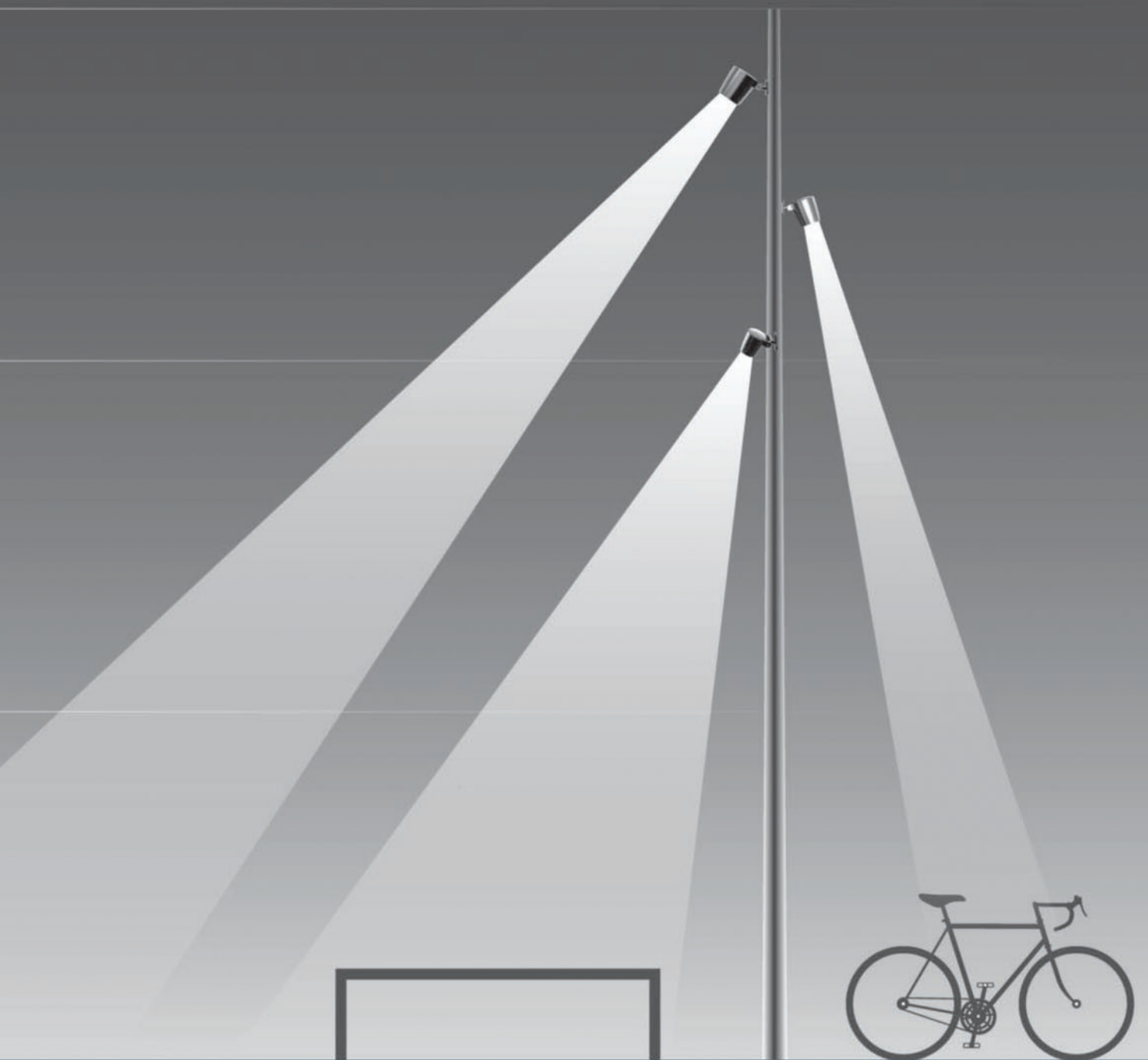
Monospot pole luminaires are equipped with a tilt-and-turn fixing system. A wide range of reflectors make it possible to create different lighting scenarios. The street optic produces a bat-wing type distribution for illuminating paths and driveways.

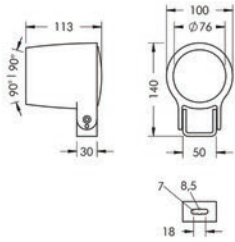


Since the LED modules are located deep inside the reflectors, the luminaires have good cut-off and excellent glare control. Accessories, such as louvres and optical glasses, are internally fitted and therefore maintenance-free.







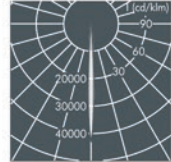
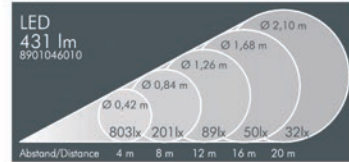


Monospot 1 with mounting bracket

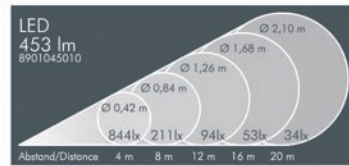
With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM Service life: L90/B10 > 50 000 h protection class I, IP65 , IK08 windage area AW 0.017 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 2 stainless steel screws, mounting bracket: 1 elongated hole \varnothing 7 mm, spacing 18 mm, 1 centre hole \varnothing 8,5 mm, tilt range 180°, M16 cable gland, integral driver (AC/DC)

Monospot 1, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 046 019	black	1 x LED module ϕ W	431 lm	ϕ °
8 901 066 019	white	warm white (3000 K)		
8 901 056 019	silver grey			

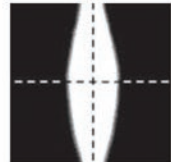
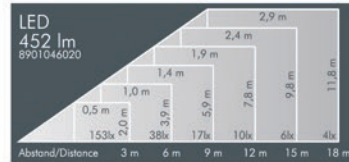


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 045 019	black	1 x LED module ϕ W	453 lm	ϕ °
8 901 065 019	white	neutral white (4000 K)		
8 901 055 019	silver grey			



Monospot 1, linear beam spread, vertical

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 046 029	black	1 x LED module ϕ W	452 lm	C 0 – 180 C 90 – 270
8 901 066 029	white	warm white (3000 K)		34° 7°
8 901 056 029	silver grey			



... . . . 3. Luminaire with linear beam spread, horizontal

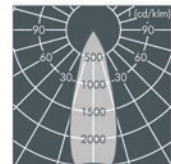
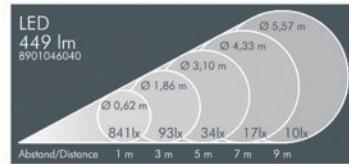
Monospot 1, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 901 046 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	416 lm	C 0 – 180 C 90 – 270
8 901 066 079	white		34°	7°
8 901 056 079	silver grey			



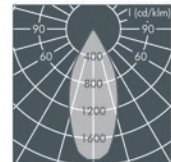
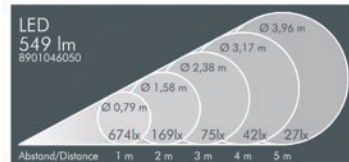
Monospot 1, medium wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 046 049	black	1 x LED module ϕ W	449 lm	34°
8 901 066 049	white	warm white (3000 K)		
8 901 056 049	silver grey			

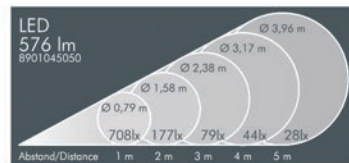


Monospot 1, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 046 059	black	1 x LED module ϕ W	549 lm	44°
8 901 066 059	white	warm white (3000 K)		
8 901 056 059	silver grey			



Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 901 045 059	black	1 x LED module ϕ W	576 lm	44°
8 901 065 059	white	neutral white (4000 K)		
8 901 055 059	silver grey			




Part number	Description
... . . . 5 ...	Luminaire with neutral white colour temperature (4000 K)

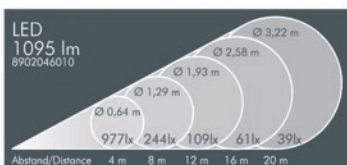
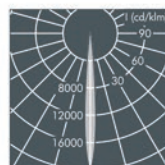
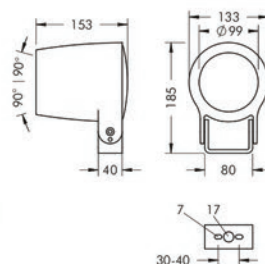
LED

Luminaires available in 2700 K or other colour temperatures on request



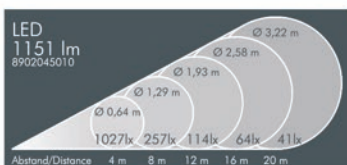
Monospot 2 with mounting bracket

With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: max. 3 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK08
 windage area AW 0.031 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 all exterior steel parts are stainless steel,
 tempered safety glass, silicon gasket,
 closure with 2 stainless steel screws,
 mounting bracket: 2 drilled holes Ø 7 mm,
 spacing 30 – 40 mm, 1 centre hole Ø 17 mm,
 tilt range 180°, M16 cable gland,
 integral driver (AC/DC)

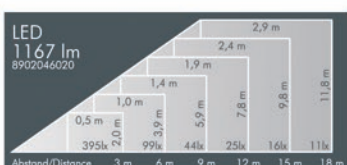


Monospot 2, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 046 019	black	1 x LED module 15 W	1095 lm	8°
8 902 066 019	white	warm white (3000 K)		
8 902 056 019	silver grey			



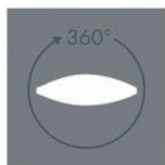
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 045 019	black	1 x LED module 15 W	1151 lm	8°
8 902 065 019	white	neutral white (4000 K)		
8 902 055 019	silver grey			



Monospot 2, linear beam spread, vertical

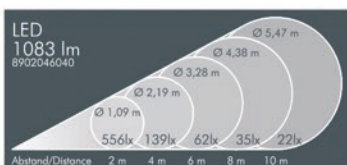
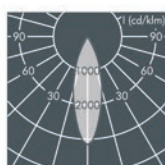
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 046 029	black	1 x LED module 15 W	1167 lm	C 0 – 180
8 902 066 029	white	warm white (3000 K)		C 90 – 270
8 902 056 029	silver grey			35°

. 3. Luminaire with linear beam spread, horizontal



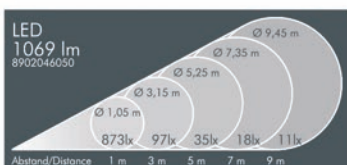
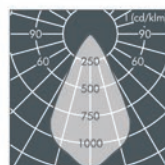
Monospot 2, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 901 046 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	1008 lm	C 0 – 180
8 901 066 079	white		35°	
8 901 056 079	silver grey		8°	



Monospot 2, medium wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 046 049	black	1 x LED module 15 W	1083 lm	31°
8 902 066 049	white	warm white (3000 K)		
8 902 056 049	silver grey			

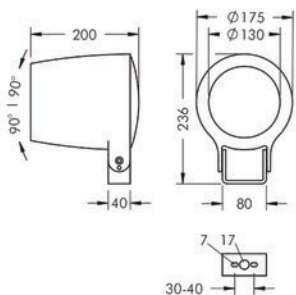


Monospot 2, wide beam


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 046 059	black	1 x LED module 15 W	1069 lm	55°
8 902 066 059	white	warm white (3000 K)		
8 902 056 059	silver grey			

Part number	Description
. 5 . . .	Luminaire with neutral white colour temperature (4000 K)
. 1 . .	Dimmable luminaire (DALI)
. 2 . .	Dimmable luminaire (1-10 V)

LED
 Luminaires available in 2700 K or other colour temperatures on request

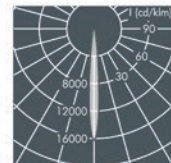
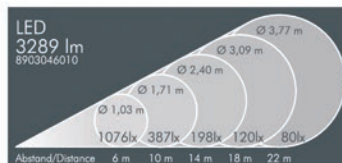


Monospot 3 with mounting bracket

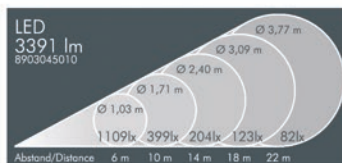
With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP65 , IK08 windage area AW 0.049 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 3 stainless steel screws, mounting bracket: 2 drilled holes Ø 7 mm, spacing 30 – 40 mm, 1 centre hole Ø 17 mm, tilt range 180°, M20 cable gland, integral driver (AC/DC)

Monospot 3, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 019	black	1 x LED module 36 W	3289 lm	9°
8 903 066 019	white	warm white (3000 K)		
8 903 056 019	silver grey			

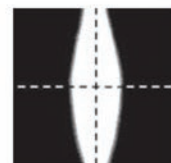
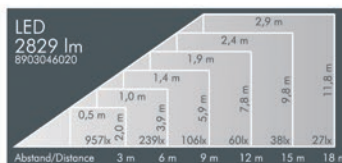


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 045 019	black	1 x LED module 36 W	3391 lm	9°
8 903 065 019	white	neutral white (4000 K)		
8 903 055 019	silver grey			



Monospot 3, linear beam spread, vertical

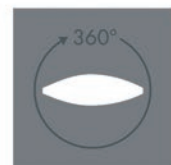
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 029	black	1 x LED module 36 W	2829 lm	C 0 – 180 C 90 – 270
8 903 066 029	white	warm white (3000 K)		36° 9°
8 903 056 029	silver grey			



... . . . 3. Luminaire with linear beam spread, horizontal

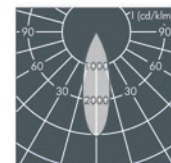
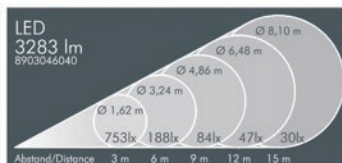
Monospot 3, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 903 046 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	2603 lm	C 0 – 180 C 90 – 270
8 903 066 079	white			36° 9°
8 903 056 079	silver grey			



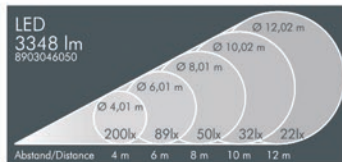
Monospot 3, medium wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 049	black	1 x LED module 36 W	3283 lm	30°
8 903 066 049	white	warm white (3000 K)		
8 903 056 049	silver grey			



Monospot 3, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 059	black	1 x LED module 36 W	3348 lm	53°
8 903 066 059	white	warm white (3000 K)		
8 903 056 059	silver grey			



Part number	Description
... . . . 5 . . .	Luminaire with neutral white colour temperature (4000 K)
... . . . 1 . .	Dimmable luminaire (DALI)
... . . . 2 . .	Dimmable luminaire (1-10 V)




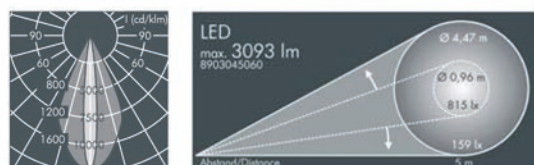
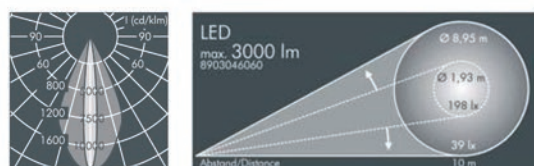
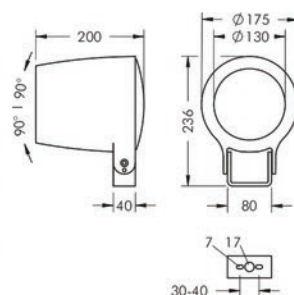
LED

Luminaires available in 2700 K or other colour temperatures on request



Monospot 3 Vario Optic with mounting bracket

With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP65 , IK08
 windage area AW 0.049 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 high transmission glass optical lens,
 beam angle adjustable from outside the luminaire,
 all exterior steel parts are stainless steel,
 tempered safety glass, silicon gasket,
 closure with 3 stainless steel screws,
 mounting bracket: 2 drilled holes Ø 7 mm,
 spacing 30 – 40 mm, 1 centre hole Ø 17 mm,
 tilt range 180°, M20 cable gland,
 integral driver (AC/DC)



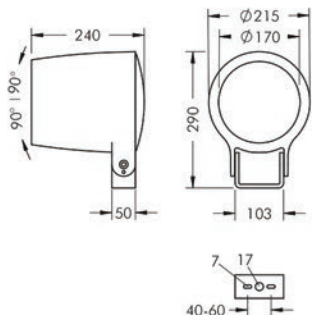
Monospot 3 Vario Optic

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 046 069	black	1 x LED module 36 W	max.	11°–48°
8 903 066 069	white	warm white (3000 K)	3000 lm	
8 903 056 069	silver grey			

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 045 069	black	1 x LED module 36 W	max.	11°–48°
8 903 065 069	white	neutral white (4000 K)	3093 lm	
8 903 055 069	silver grey			

Part number	Description
. 1 . .	Dimmable luminaire (DALI)
. 2 . .	Dimmable luminaire (1-10 V)



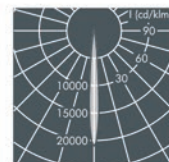
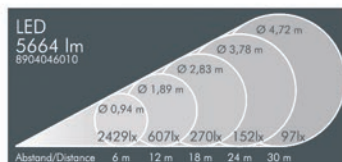


Monospot 4 with mounting bracket

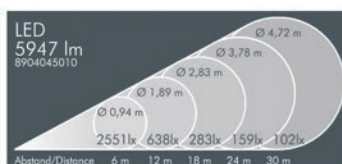
With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM Service life: L90/B10 > 50 000 h protection class I, IP65 $\blacklozenge\blacktriangle\blacktriangle$, IK08 windage area AW 0.075 m² corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 3 stainless steel screws, mounting bracket: 2 drilled holes \varnothing 7 mm, spacing 40 – 60 mm, 1 centre hole \varnothing 17 mm, tilt range 180°, M20 cable gland, integral driver (AC/DC)

Monospot 4, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 046 019	black	1 x LED module 70 W	5664 lm	9°
8 904 066 019	white	warm white (3000 K)		
8 904 056 019	silver grey			

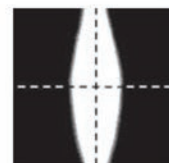
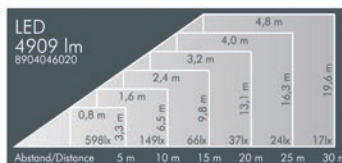


Artikelnummer	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 045 019	black	1 x LED module 70 W	5947 lm	9°
8 904 065 019	white	neutral white (4000 K)		
8 904 055 019	silver grey			



Monospot 4, linear beam spread, vertical

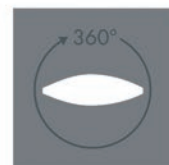
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 046 029	black	1 x LED module 70 W	4909 lm	C 0 – 180 C 90 – 270
8 904 066 029	white	warm white (3000 K)		36° 9°
8 904 056 029	silver grey			



... . . . 3. Luminaire with linear beam spread, horizontal

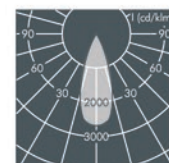
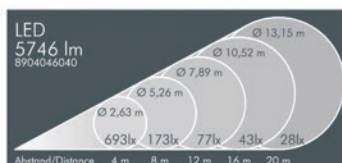
Monospot 4, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 904 046 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	4517 lm	C 0 – 180 C 90 – 270
8 904 066 079	white			36° 9°
8 904 056 079	silver grey			



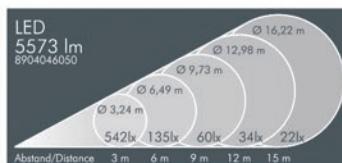
Monospot 4, medium wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 046 049	black	1 x LED module 70 W	5746 lm	36°
8 904 066 049	white	warm white (3000 K)		
8 904 056 049	silver grey			



Monospot 4, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 046 059	black	1 x LED module 70 W	5573 lm	57°
8 904 066 059	white	warm white (3000 K)		
8 904 056 059	silver grey			



Part number	Description
... . . . 5 . . .	Luminaire with neutral white colour temperature (4000 K)
... . . . 1 . . .	Dimmable luminaire (DALI)
... . . . 2 . . .	Dimmable luminaire (1-10 V)
... . . . 9 . . .	Luminaire with LED module RGBW max. 49 W
... . . . 2 . . .	Luminaire with Tunable White LED




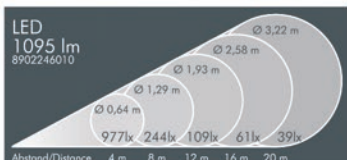
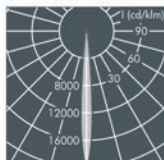
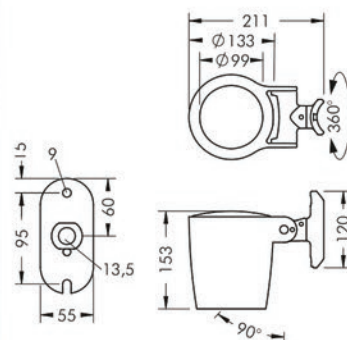
LED

Luminaires available in 2700 K or other colour temperatures on request



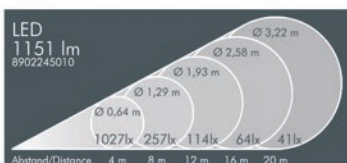
Monospot 2 pole luminaire

With a high performance LED module (Zhaga),
 integral temperature monitoring device,
 CRI: > 80, Colour tolerance: 3 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK08
 windage area AW 0.031 m²
 corrosion-resistant die cast aluminium housing AlSi12,
 polyester powder coated,
 all exterior steel parts are stainless steel,
 tempered safety glass, silicon gasket,
 closure with 2 stainless steel screws,
 for installation on poles Ø 60 - 100 mm,
 tiltable base made of powder coated aluminium,
 2 drilled holes Ø 9 mm, spacing 95 mm,
 1 centre hole Ø 13.5 mm, tilt range 90°,
 swivel range 360°, M16 cable gland,
 integral driver (AC/DC)

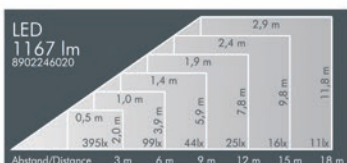
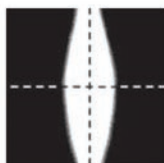


Monospot 2 pole luminaire, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 246 019	black	1 x LED module 15 W	1095 lm	8°
8 902 266 019	white	warm white (3000 K)		
8 902 256 019	silver grey			



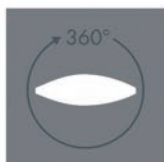
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 245 019	black	1 x LED module 15 W	1151 lm	8°
8 902 265 019	white	neutral white (4000 K)		
8 902 255 019	silver grey			



Monospot 2 pole luminaire, linear beam spread, vertical

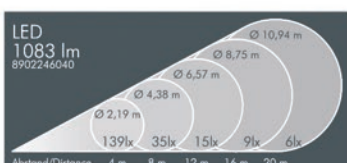
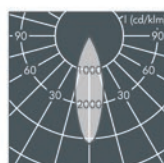
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 246 029	black	1 x LED module 15 W	1167 lm	C 0 - 180
8 902 266 029	white	warm white (3000 K)		C 90 - 270
8 902 256 029	silver grey			35°

. 3. Luminaire with linear beam spread, horizontal



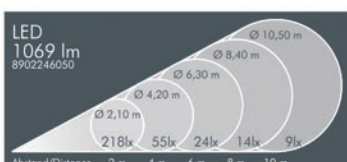
Monospot 2 pole luminaire, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 902 246 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	1008 lm	C 0 - 180
8 902 266 079	white			C 90 - 270
8 902 256 079	silver grey			35°



Monospot 2 pole luminaire, medium wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 246 049	black	1 x LED module 15 W	1083 lm	31°
8 902 266 049	white	warm white (3000 K)		
8 902 256 049	silver grey			



Monospot 2 pole luminaire, wide beam

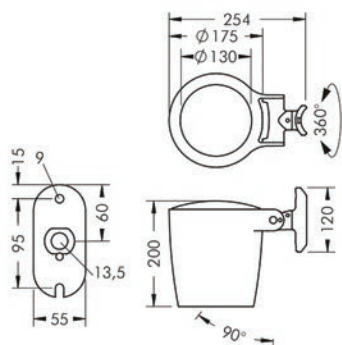
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 902 246 059	black	1 x LED module 15 W	1069 lm	55°
8 902 266 059	white	warm white (3000 K)		
8 902 256 059	silver grey			

Part number	Description
. 5 . . .	Luminaire with neutral white colour temperature (4000 K)
. 1 . .	Dimmable luminaire (DALI)
. 2 . .	Dimmable luminaire (1-10 V)

LED

Luminaires available in 2700 K or other colour temperatures on request



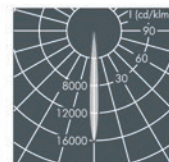
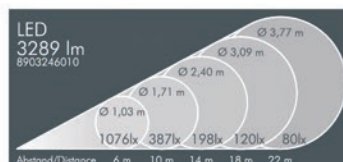


Monospot 3 pole luminaire

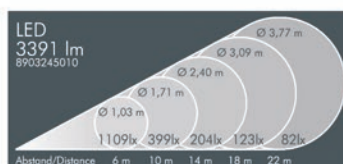
With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK08
 windage area AW 0.049 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 all exterior steel parts are stainless steel,
 tempered safety glass, silicon gasket,
 closure with 3 stainless steel screws,
 for installation on poles Ø 60 - 100 mm,
 tiltable base made of powder coated aluminium,
 2 drilled holes Ø 9 mm, spacing 95 mm,
 1 drilled hole Ø 13.5 mm, tilt range 90°,
 swivel range 360°, M20 cable gland,
 integral driver (AC/DC)

Monospot 3 pole luminaire, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 246 019	black	1 x LED module 36 W	3289 lm	9°
8 903 266 019	white	warm white (3000 K)		
8 903 256 019	silver grey			

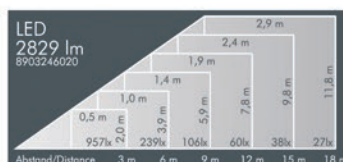


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 245 019	black	1 x LED module 36 W	3391 lm	9°
8 903 265 019	white	neutral white (4000 K)		
8 903 255 019	silver grey			



Monospot 3 pole luminaire, linear beam spread, vertical

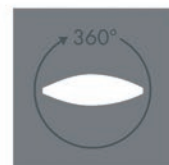
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 246 029	black	1 x LED module 36 W	2829 lm	C 0 - 180
8 903 266 029	white	warm white (3000 K)		C 90 - 270
8 903 256 029	silver grey			36° 9°



. 3. Luminaire with linear beam spread, horizontal

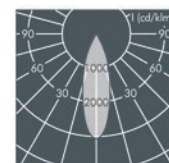
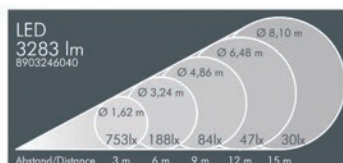
Monospot 3 pole luminaire, linear beam spread, rotatable

Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 903 246 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	2603 lm	C 0 - 180
8 903 266 079	white			C 90 - 270
8 903 256 079	silver grey			36° 9°



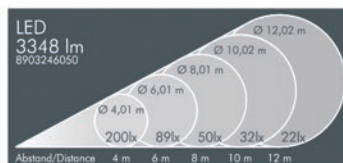
Monospot 3 pole luminaire, medium wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 246 049	black	1 x LED module 36 W	3283 lm	30°
8 903 266 049	white	warm white (3000 K)		
8 903 256 049	silver grey			



Monospot 3 pole luminaire, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 246 059	black	1 x LED module 36 W	3348 lm	53°
8 903 266 059	white	warm white (3000 K)		
8 903 256 059	silver grey			



Part number	Description
. 5 . . .	Luminaire with neutral white colour temperature (4000 K)
. 1 . .	Dimmable luminaire (DALI)
. 2 . .	Dimmable luminaire (1-10 V)



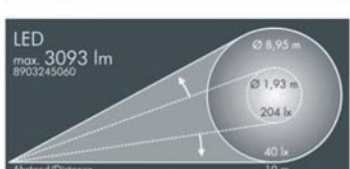
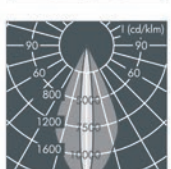
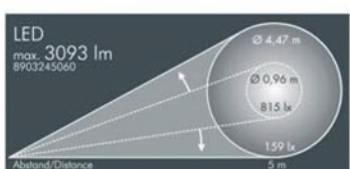
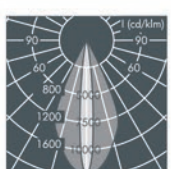
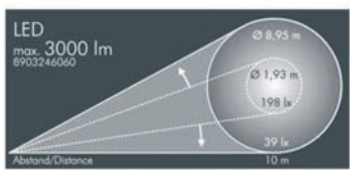
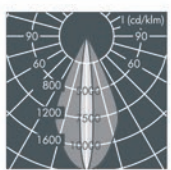
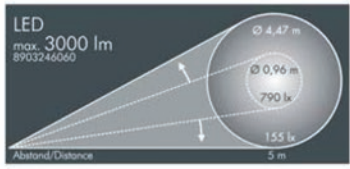
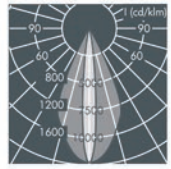
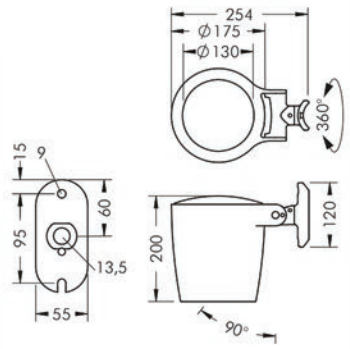
LED

Luminaires available in 2700 K or other colour temperatures on request



Monospot 3 Vario Optic pole luminaire

With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM
 Service life: L80/B20 > 50 000 h
 protection class I, IP65 , IK08
 windage area AW 0.049 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 high transmission glass optical lens,
 beam angle adjustable from outside the luminaire,
 all exterior steel parts are stainless steel,
 tempered safety glass, silicon gasket,
 closure with 3 stainless steel screws,
 for installation on poles Ø 60 - 100 mm,
 tiltable base made of powder coated aluminium,
 2 drilled holes Ø 9 mm, spacing 95 mm,
 1 drilled hole Ø 13.5 mm, tilt range 90°,
 swivel range 360°, M20 cable gland,
 integral driver (AC/DC)



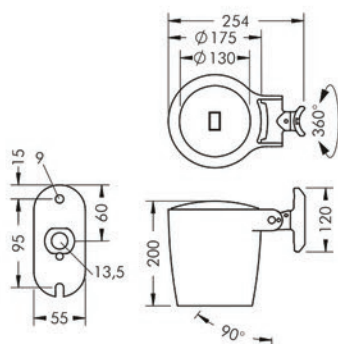
Monospot 3 Vario Optic, pole luminaire

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 246 069	black	1 x LED module 36 W	max.	11°-48°
8 903 266 069	white	warm white (3000 K)	3000 lm	
8 903 256 069	silver grey			

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 245 069	black	1 x LED module 36 W	max.	11°-48°
8 903 265 069	white	neutral white (4000 K)	3093 lm	
8 903 255 069	silver grey			

Part number	Description
. 1..	Dimmable luminaire (DALI)
. 2..	Dimmable luminaire (1-10 V)





Monospot 3 Street Optic pole luminaire

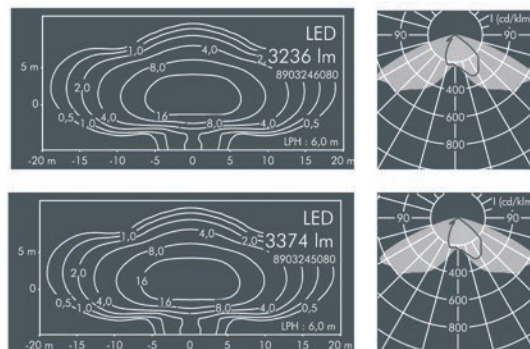
With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 \blacklozenge \blacktriangle \blacktriangle , IK08
 windage area AW 0.049 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, lense made of high efficiency, UV stabilized optical silicon, all exterior steel parts are stainless steel, tempered safety glass, silicon gasket, closure with 3 stainless steel screws, for installation on poles \varnothing 60-100 mm, tiltable base made of powder coated aluminium, 2 drilled holes \varnothing 9 mm, spacing 95 mm, 1 drilled hole \varnothing 13.5 mm, tilt range 90°, swivel range 360°, M20 cable gland, integral driver (AC/DC)

Monospot 3 Street Optic pole luminaire

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 903 246 089	black	1 x LED module 36 W	3236 lm	C 0 – 180	C 90 – 270
8 903 266 089	white	warm white (3000 K)		51°	121°
8 903 256 089	silver grey				

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)	
8 903 245 089	black	1 x LED module 36 W	3374 lm	C 0 – 180	C 90 – 270
8 903 265 089	white	neutral white (4000 K)		51°	121°
8 903 255 089	silver grey				

Part number	Description
. 1 ..	Dimmable luminaire (DALI)



Illumination examples [according to DIN EN 13201-2]

	Lighting situation			
	S(P)2	S(P)3	S(P)4	S(P)5
LPH	6 m	6 m	6 m	6 m
D	30 m	35 m	37 m	41 m
D/H	5	5.8	6.2	6.8
Em	9.3 lx	8 lx	7.5 lx	6.8 lx
Emin	3.1 lx	1.5 lx	1.0 lx	0.6 lx
Emin/Em	0.33	0.19	0.13	0.1
TI*	11%	12%	13%	14%


* TI: Threshold Increment (unit for measuring glare).
 A low TI value indicates a low glare factor.

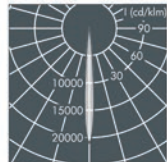
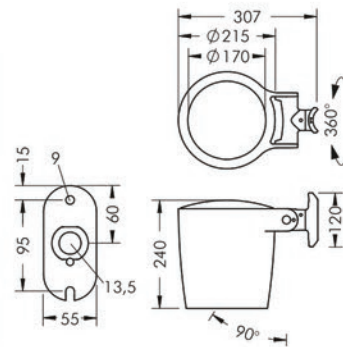
LED

Luminaires available in 2700 K or other colour temperatures on request



Monospot 4 pole luminaire

With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM
 Service life: L90/B10 > 50 000 h
 protection class I, IP65 , IK08
 windage area AW 0,075 m²
 corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
 all exterior steel parts are stainless steel, tempered safety glass, silicon gasket,
 closure with 3 stainless steel screws,
 for installation on poles Ø 60 - 100 mm,
 tiltable base made of powder coated aluminium,
 2 drilled holes Ø 9 mm, spacing 95 mm,
 1 drilled hole Ø 13.5 mm, tilt range 90°,
 swivel range 360°, M20 cable gland,
 integral driver (AC/DC)



LED	5664 lm	8904246010			
Abstand/Distance	6 m	12 m	18 m	24 m	30 m
Ø	0,94 m	1,89 m	2,83 m	3,78 m	4,72 m
lx	2429lx	607lx	270lx	152lx	97lx

Monospot 4 pole luminaire, narrow beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 246 019	black	1 x LED module 70 W	5664 lm	9°
8 904 266 019	white	warm white (3000 K)		
8 904 256 019	silver grey			



LED	5947 lm	8904245010			
Abstand/Distance	6 m	12 m	18 m	24 m	30 m
Ø	0,94 m	1,89 m	2,83 m	3,78 m	4,72 m
lx	2551lx	638lx	283lx	159lx	102lx

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 245 019	black	1 x LED module 70 W	5947 lm	9°
8 904 265 019	white	neutral white (4000 K)		
8 904 255 019	silver grey			



LED	4909 lm	8904246020				
Abstand/Distance	5 m	10 m	15 m	20 m	25 m	30 m
lx	598lx	149lx	66lx	37lx	24lx	17lx

Monospot 4 pole luminaire, linear beam spread, vertical

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 246 029	black	1 x LED module 70 W	4909 lm	C 0 - 180
8 904 266 029	white	warm white (3000 K)		36°
8 904 256 029	silver grey			9°

. 3. Luminaire with linear beam spread, horizontal



Monospot 4 pole luminaire, linear beam spread, rotatable

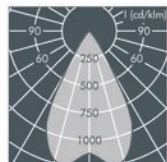
Part number	Colour	Description	Luminous flux	Beam angle γ (FWHM)
8 904 246 079	black	Luminaire with external ribbed glass spreader lens, continuously adjustable through 360° from outside the luminaire	4517 lm	C 0 - 180
8 904 266 079	white			36°
8 904 256 079	silver grey			9°



LED	5746 lm	8904246040			
Abstand/Distance	4 m	8 m	12 m	16 m	20 m
Ø	2,63 m	5,26 m	7,89 m	10,52 m	13,15 m
lx	693lx	173lx	77lx	43lx	28lx

Monospot 4 pole luminaire, medium wide beam


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 246 049	black	1 x LED module 70 W	5746 lm	36°
8 904 266 049	white	warm white (3000 K)		
8 904 256 049	silver grey			



LED	5573 lm	8904246050			
Abstand/Distance	3 m	6 m	9 m	12 m	15 m
Ø	3,2 m	6,5 m	9,7 m	13 m	16,2 m
lx	542 lx	135 lx	60 lx	34 lx	22 lx

Monospot 4 pole luminaire, wide beam

Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 904 246 059	black	1 x LED module 70 W	5573 lm	57°
8 904 266 059	white	warm white (3000 K)		
8 904 256 059	silver grey			

Part number	Description
. 5 . . .	Luminaire with neutral white colour temperature (4000 K)
. 1 . . .	Dimmable luminaire (DALI)
. 2 . . .	Dimmable luminaire (1-10 V)
. 9 . . .	Luminaire with LED module RGBW max. 49 W 
. 2 . . .	Luminaire with Tunable White LED

LED
 Luminaires available in 2700 K or other colour temperatures on request

Accessories Monospot internal, **factory fitted**

Monospot 2

Part number	Description
129 0 728 940	Radial louvre , internal (factory fitted), to reduce lateral glare



Monospot 3

Part number	Description
129 0 729 940	Radial louvre , internal (factory fitted), to reduce lateral glare



Monospot 4

Part number	Description
129 0 730 940	Radial louvre , internal (factory fitted), to reduce lateral glare



Monospot 1

Part number	Description	Beam angle γ (FWHM)	
		narrow beam	medium wide beam
129 0 732 000	Prismatic glass , for diffused light distribution	15°	41°



Monospot 2

Part number	Description	Beam angle γ (FWHM)	
		narrow beam	medium wide beam
129 0 733 000	Prismatic glass , for diffused light distribution	17°	38°



Monospot 3

Part number	Description	Beam angle γ (FWHM)	
		narrow beam	medium wide beam
129 0 734 000	Prismatic glass , for diffused light distribution	18°	37°



Monospot 4

Part number	Description	Beam angle γ (FWHM)	
		narrow beam	medium wide beam
129 0 735 000	Prismatic glass , for diffused light distribution	19°	46°



Accessories Monospot external, **for retro-fitting**



Monospot 1

Part number	Colour	Description
129 0 722 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 722 960	white	
129 0 722 950	silver grey	



Monospot 2

Part number	Colour	Description
129 0 723 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 723 960	white	
129 0 723 950	silver grey	



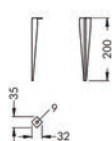
Monospot 3

Part number	Colour	Description
129 0 724 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 724 960	white	
129 0 724 950	silver grey	



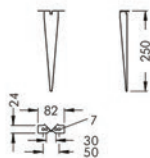
Monospot 4

Part number	Colour	Description
129 0 725 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 725 960	white	
129 0 725 950	silver grey	



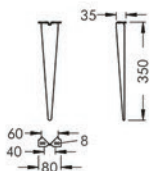
Monospot 1

Part number	Colour	Description
129 0 731 940	black	Stainless steel earth spike , for use in landscape lighting
129 0 731 960	white	
129 0 731 950	silver grey	



Monospot 2

Part number	Colour	Description
129 0 502 940	black	Stainless steel earth spike , for use in landscape lighting
129 0 502 960	white	
129 0 502 950	silver grey	



Monospot 3+4

Part number	Colour	Description
129 0 736 940	black	Stainless steel earth spike , for use in landscape lighting
129 0 736 960	white	
129 0 736 950	silver grey	

