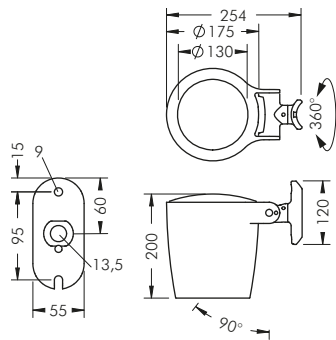


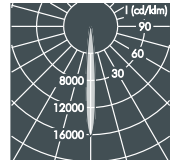
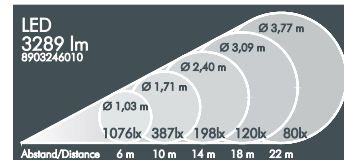


Monospot 3 pole luminaire

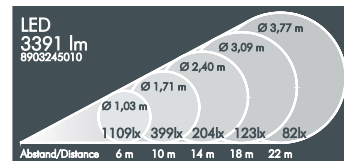
With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM
Service life: L90/B10 > 50 000 h
protection class I, IP65 , IK08
windage area AW 0.049 m²
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated,
all exterior 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			

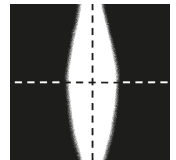
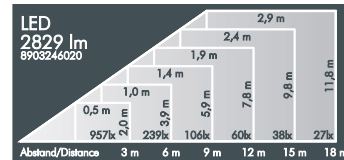


Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 245 019	black	1 x LED module 36 W	3391 lm	9°
8 903 265 019	white	neutral white (4000 K)		
8 903 255 019	silver grey			



Monospot 3 pole luminaire, linear beam spread, vertical

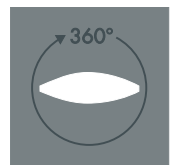
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 246 029	black	1 x LED module 36 W	2829 lm	C 0 - 180
8 903 266 029	white	warm white (3000 K)		C 90 - 270
8 903 256 029	silver grey			36°



. 3. Luminaire with linear beam spread, horizontal

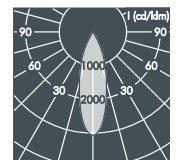
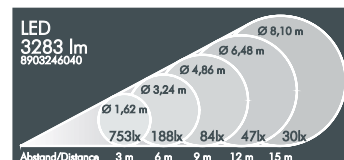
Monospot 3 pole luminaire, linear beam spread, rotatable

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



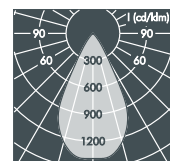
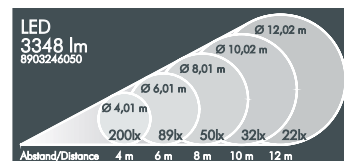
Monospot 3 pole luminaire, medium wide beam

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			

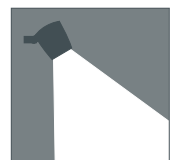


Monospot 3 pole luminaire, wide beam

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)



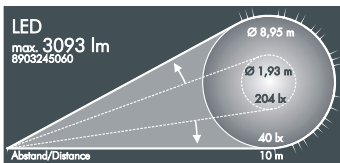
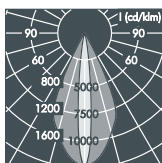
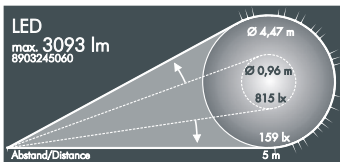
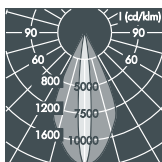
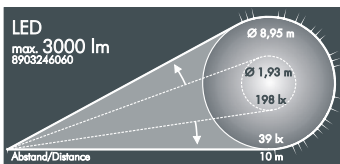
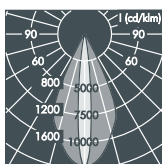
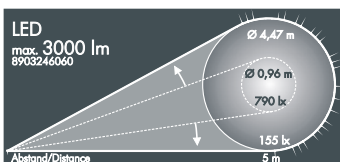
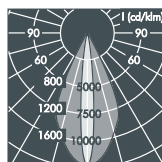
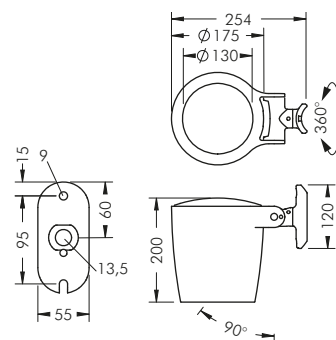
LED

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 A_W 0.049 m²
corrosion-resistant die cast aluminium housing AlSi12,
polyester powder coated,
high transmission glass optical lense,
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			

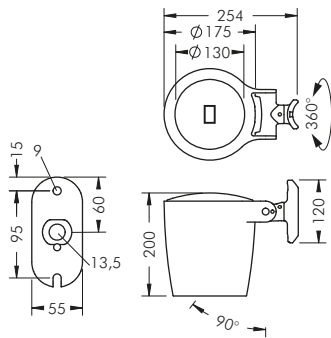
Part number	Colour	Light source	Luminous flux	Beam angle γ (FWHM)
8 903 245 069	black	1 x LED module 36 W	max.	11°–48°
8 903 265 069	white	neutral white (4000 K)	3093 lm	
8 903 255 069	silver grey			

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

LED

Luminaires available in 2700 K or other colour temperatures on request





Monospot 3 Street Optic pole luminaire

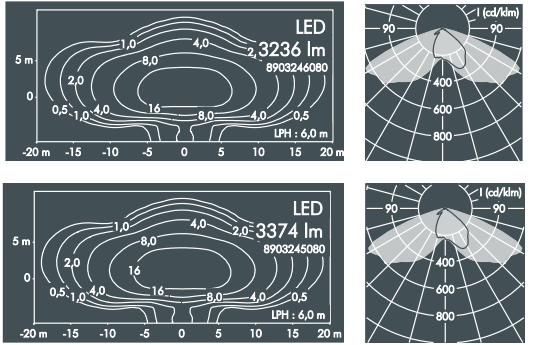
With a high performance LED module (Zhaga), integral temperature monitoring device, CRI: > 80, Colour tolerance: 2 SDCM
Service life: L90/B10 > 50 000 h
protection class I, IP65 , IK08
windage area AW 0.049 m²
corrosion-resistant die cast aluminium housing AlSi12, polyester powder coated, lense made 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 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 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 warm white (3000 K)	3236 lm	C 0 – 180	C 90 – 270
8 903 266 089	white			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 neutral white (4000 K)	3374 lm	C 0 – 180	C 90 – 270
8 903 265 089	white			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



Accessories Monospot internal, **factory fitted**

Monospot 2

Part number	Description
129 0 728 000	Radial louvre , internal (factory fitted), to reduce lateral glare



Monospot 3

Part number	Description
129 0 729 000	Radial louvre , internal (factory fitted), to reduce lateral glare



Monospot 4

Part number	Description
129 0 730 000	Radial louvre , internal (factory fitted), to reduce lateral glare



Monospot 1

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



Monospot 2

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



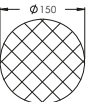
Monospot 3

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



Monospot 4

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

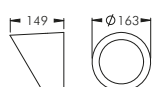


**Monospot 1**

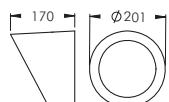
Part number	Colour	Description
129 0 722 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 722 960	white	
129 0 722 950	silver grey	

**Monospot 2**

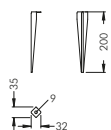
Part number	Colour	Description
129 0 723 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 723 960	white	
129 0 723 950	silver grey	

**Monospot 3**

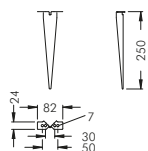
Part number	Colour	Description
129 0 724 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 724 960	white	
129 0 724 950	silver grey	

**Monospot 4**

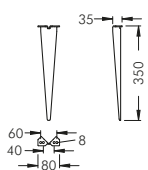
Part number	Colour	Description
129 0 725 940	black	Cowl , stainless steel, to avoid lateral glare, for retro-fitting
129 0 725 960	white	
129 0 725 950	silver grey	

**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	

