

DARK






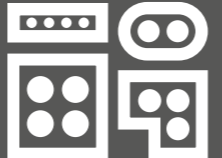


exenia
LMP3

Minimalist form factor

The design of the Dark family stems from the dream to combine small form factor products with GIANT performance, an opportunity granted to us through the study of optical and thermal management, which allows us to deliver diameters and overall dimensions well below average.

In fact, Dark allows itself to compete with much more visible and bulky opponents, often surpassing them in terms of performance and quality of the beams.

	-25%	DIMENSIONS	The parity between size and performance has allowed us to reduce the size of the product by more than the 25%
	-60%	CONSUMPTION	Utilising our new optical technologies allows us to offer a 60% energy saving
	<13	GLARING	We designed the range with aim to keep the UGR values <13
	12	SPECIALIST OPTICS	Up to 12 groups of specialized optical varieties to compliment and enrich our range
	5+3	ADDITIONAL ACCESSORIES	We have complimented the range with numerous stackable accessories to meet every project requirement
	>100	VISUAL SOLUTIONS	No limits to your architectural freedom Due to the multi-compositional Forms and colours of the DARK series

Visual and sensory comfort

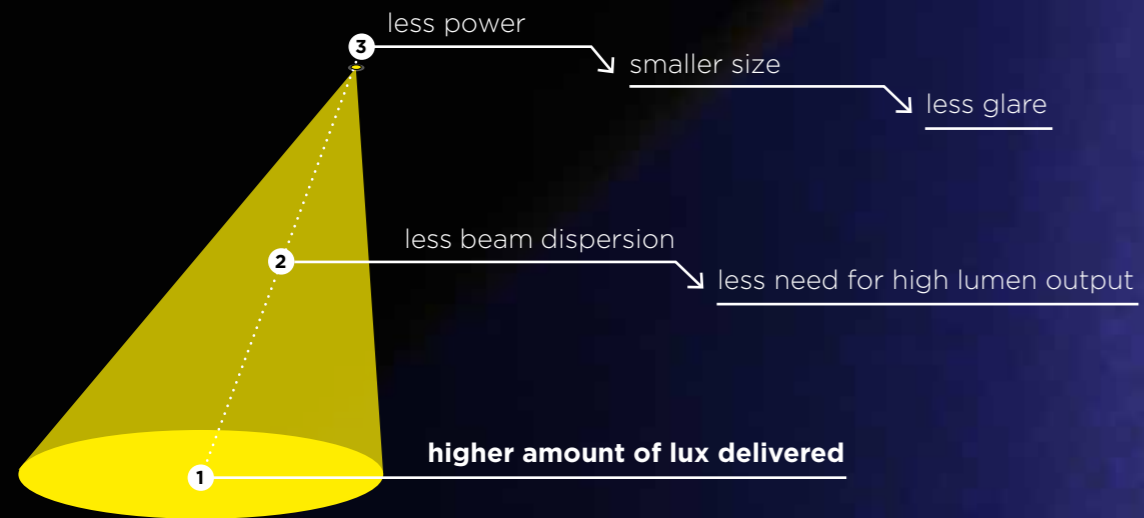
Very low UGR values and new low contrast lenses make Dark a fully refined and universal tool, designed to deliver lighting solutions with minimal distortions and highly professional optical results.



Energy efficiency

We measure our optical results by comparing the actual consumption of the system with the lux reported in the area to be illuminated. The lux / watt ratio is therefore the blueprint for our continued research, and a key indicator in the relationship between power requirement and energy waste.

THE EFFECTIVE CIRCLE OF OPTICAL EVOLUTION



Specialist optics

A full suite of high precision optical lenses across the entire range, from rotosymmetrical high definition 'REVO' lenses with UGR values <10. To asymmetrical high efficiency wall washers.

And the brand new low contrast 'Homogenic' lenses for ultra smooth diffusion in large spaces, delivering UGR values <19.

And finally, two types of elliptical lenses 'REVO Low Contrast'. All of which when taken together, guarantee total project flexibility with a wide spectrum of applications.

The primary task of the Dark collection is to provide each setting with a specific solution, aimed at obtaining the maximum lighting result with the lowest possible energy consumption.

REVO

solution for accent lighting

LOW CONTRAST

solution for workplaces, reading, general distribution.

WALL WASHER

solution for homogeneous distributions on vertical surfaces.

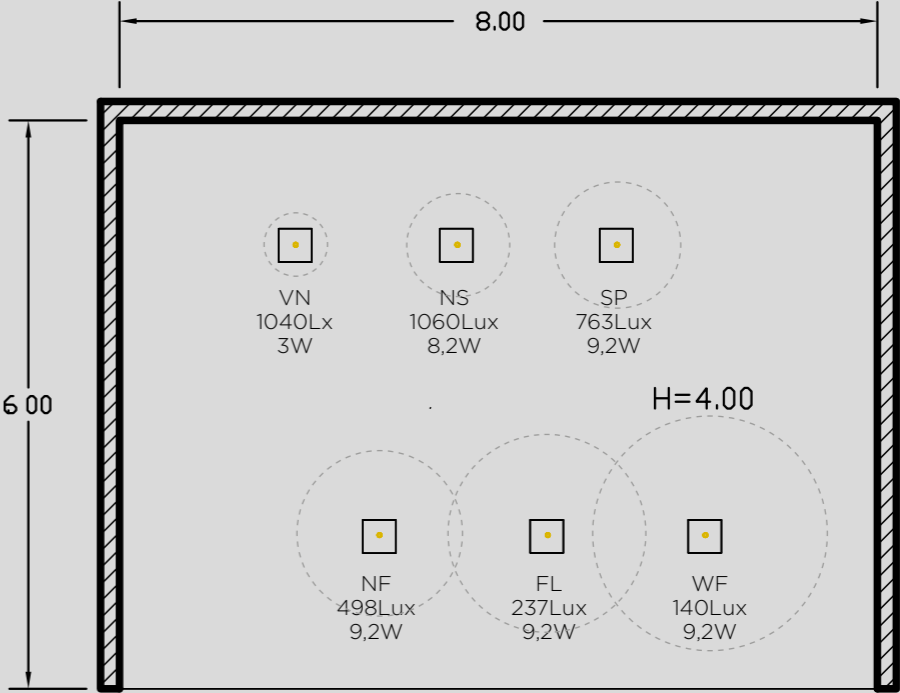
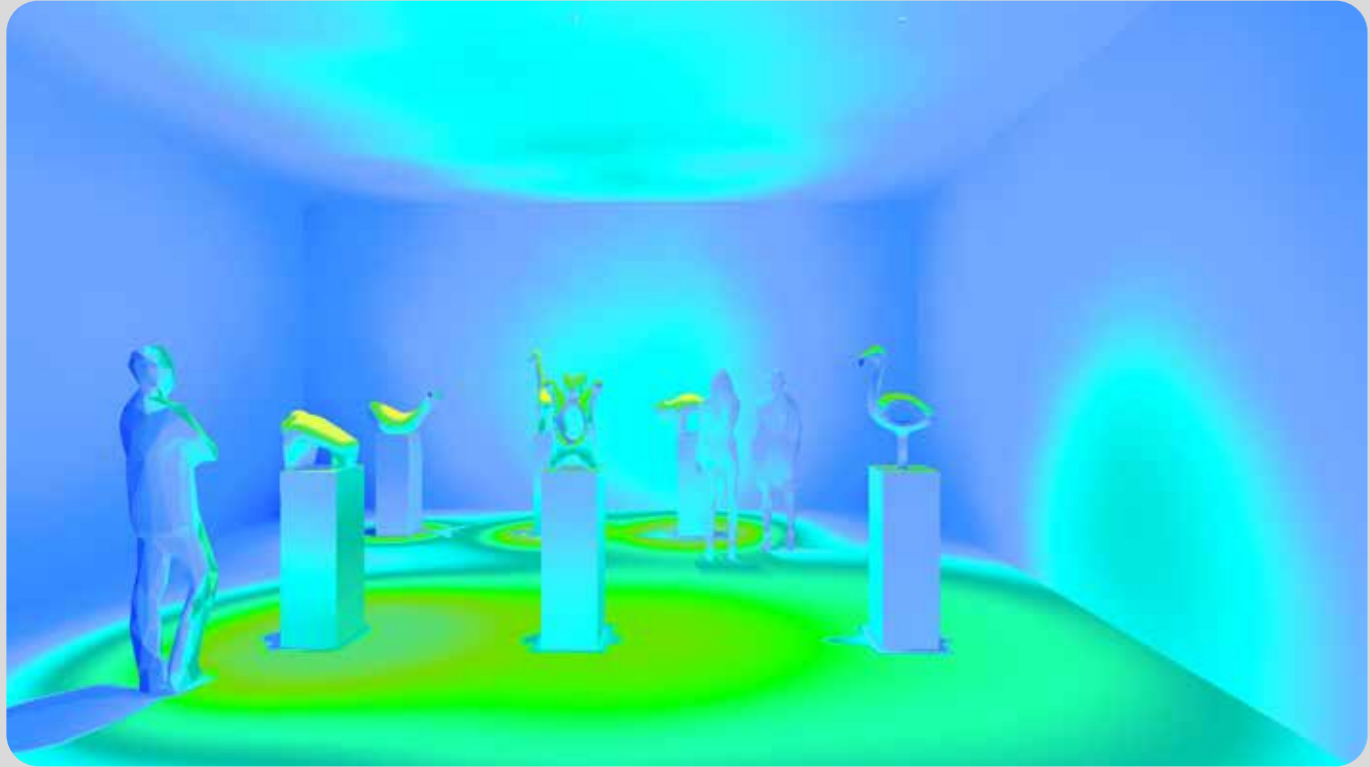
ELLIPTICAL

solution for homogeneous longitudinal distributions in paths and corridors.

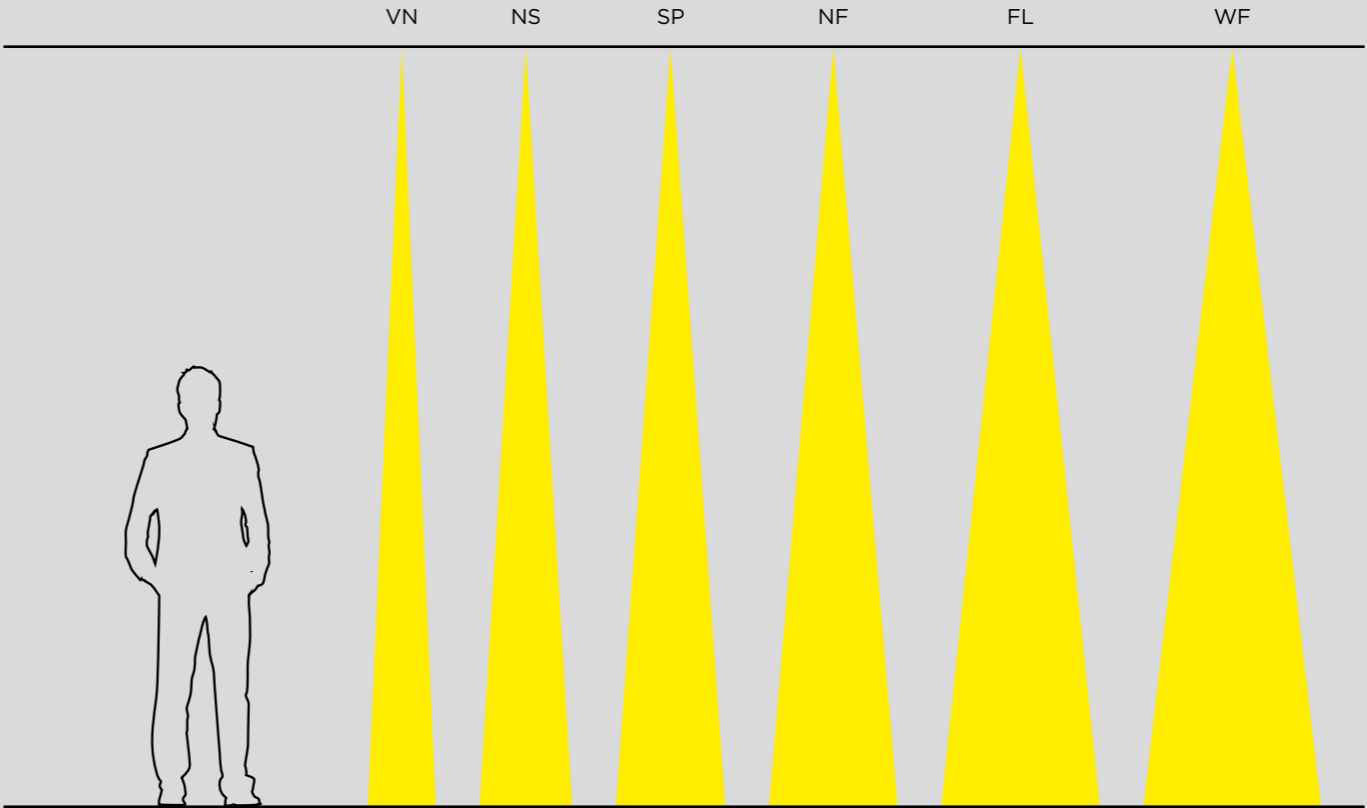


Accent Light Revo optics

An example of the use of **Revo** lenses in which the relationship between lux on the subject, power of the product, beam precision and last but not least the size of the product itself is highlighted.

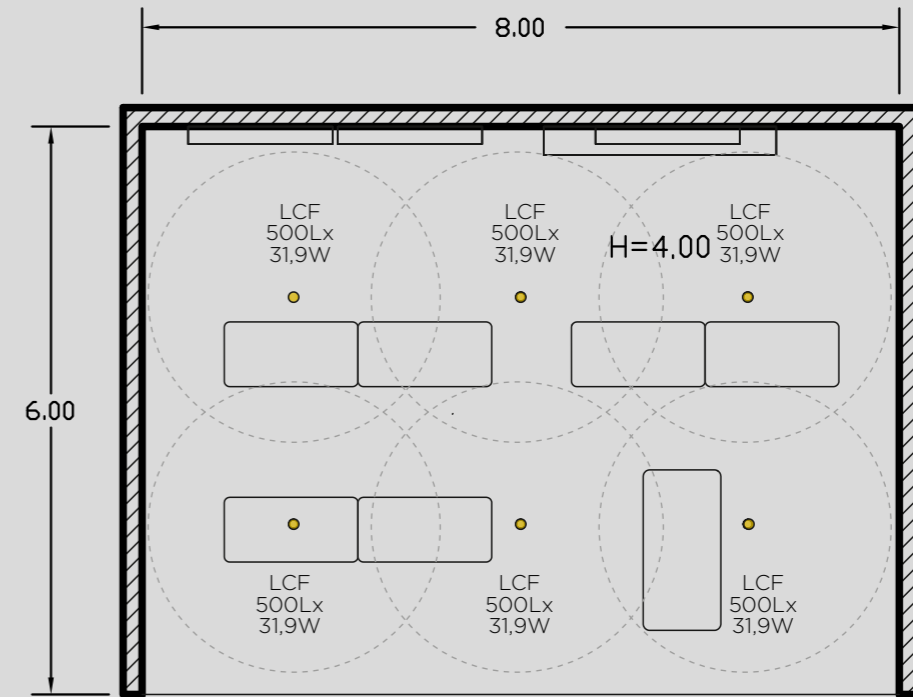


N°6 DARK Small Tilt
optics: VN - NS - SP - NF - FL - WF

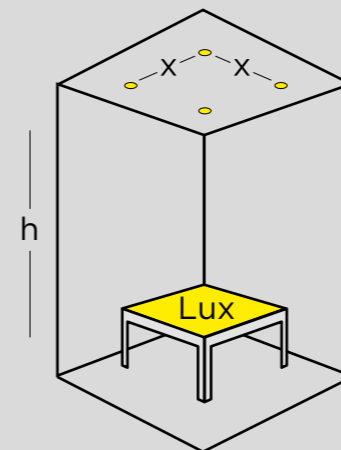
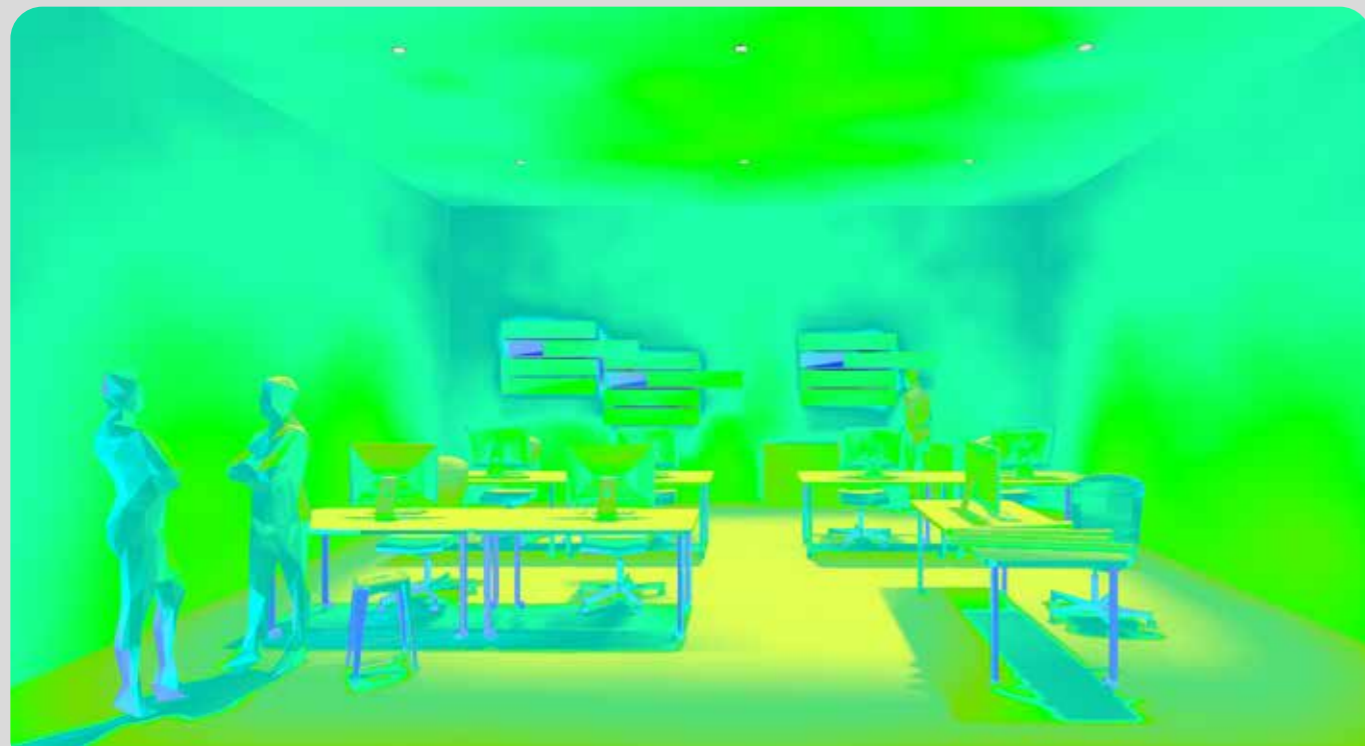


General Light Low Contrast optics

An example of the use of **rotosymmetrical Low Contrast optics**, determined using a basic matrix in which the relationships between the obtained uniformity, number of products, and power used is in perfect harmony with each other.



N°6 DARK Max Fix Low Contrast FL optic



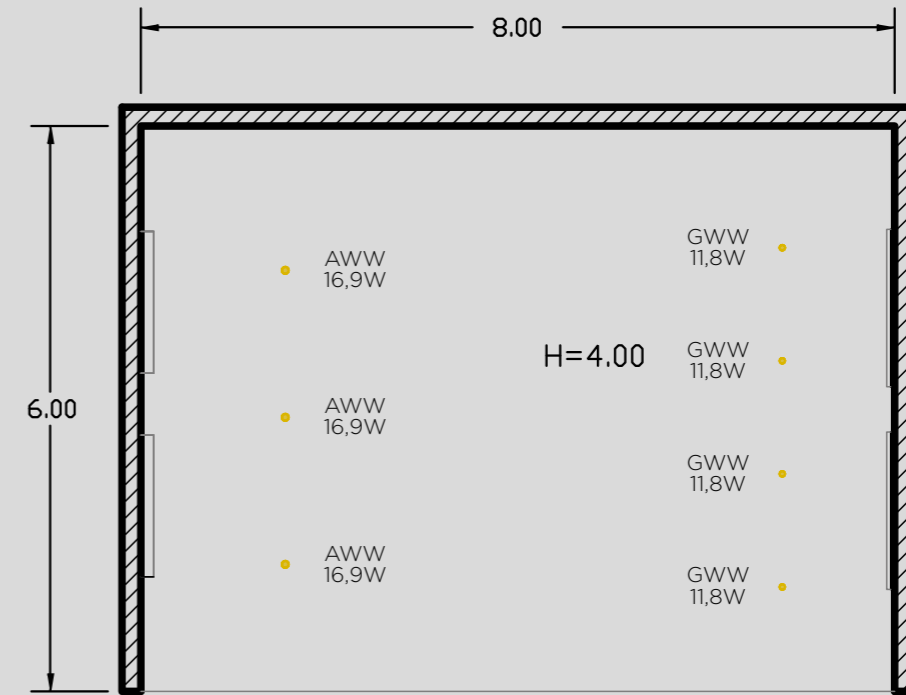
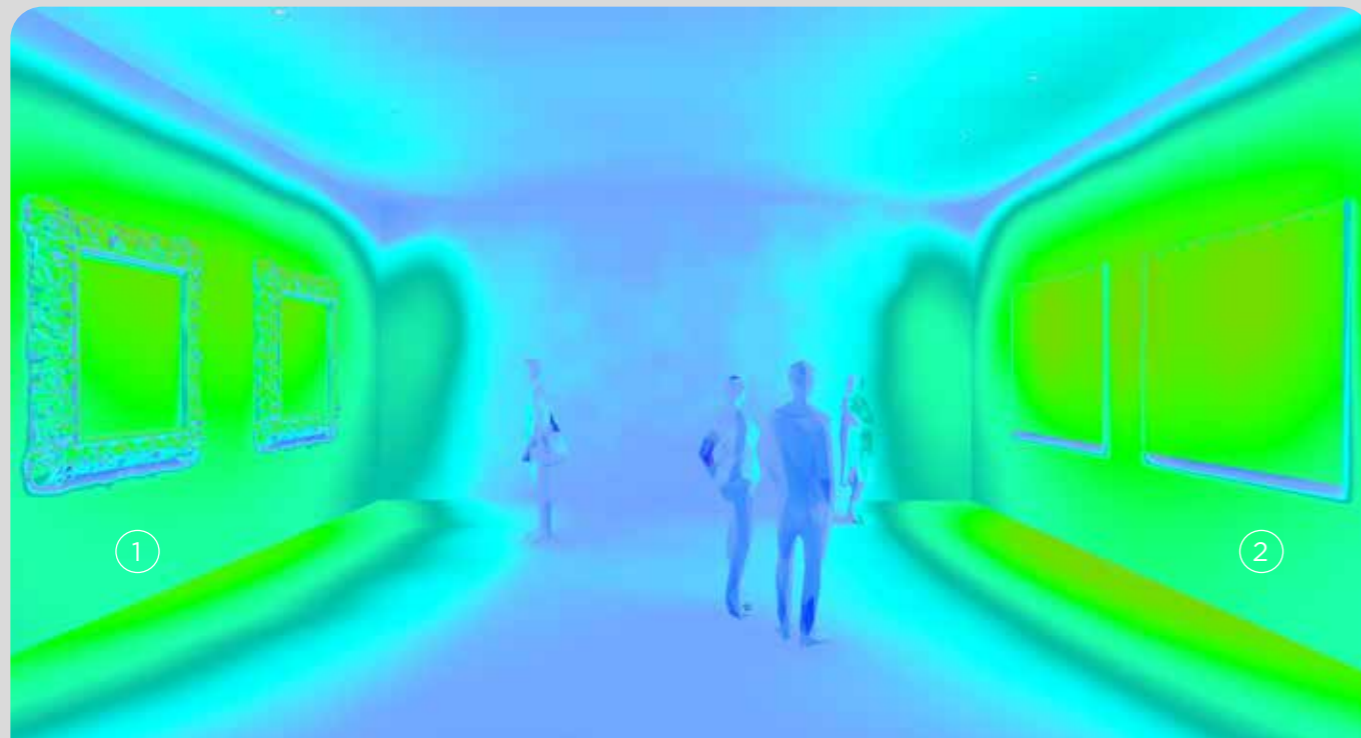
Sensing data
 - 3000K
 - Ra92
 - UGR<19
 - Calculation surface 0.8m from the ground
UNIF. > 0,7

POSITIONING TABLE h 2,7 / 4m											
MODEL			POWER	h=2,7				h=4m			
				150Lx	200Lx	300Lx	500Lx	150Lx	200Lx	300Lx	500Lx
LOW CONTRAST	MEDIUM	WF	4,1W	x=1,8m							
		FL	12,1W				x=2,6m				
	COMPACT	WF	8,2W		x=2,1m						
		FL	17,3W					x=2,6			
	MAX	WF	11,5W			x=2m					
		FL	16,8W				x=1,9m				
		FL	24,2W						x=2,7m		
			31,9W							x=2,4m	
			W/mq	1,7	2,1	3,2	5,5	2,0	2,6	3,7	6,2

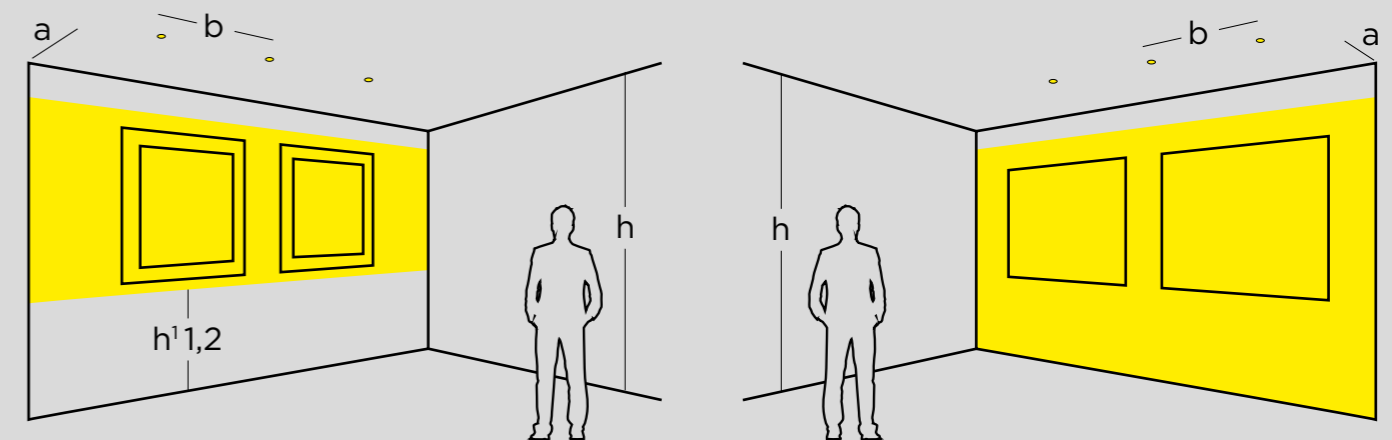
POSITIONING TABLE h 6 / 8m												
MODEL			POWER	h=5m				h=6m			h=8m	
				150Lx	200Lx	300Lx	500Lx	100Lx	200Lx	300Lx	200Lx	300Lx
LOW CONTRAST	MEDIUM	WF	5,4W									
		FL	13,2W									
	COMPACT	WF	8,2W									
		FL	17,3W	x=3m								
	MAX	WF	11,5W									
		FL	16,8W									
		FL	24,2W		x=3,3m							
			31,9W			x=3m	x=2,4m	x=4,2m	x=3,7m	x=3m	x=3,6m	x=2,6m
			W/mq	2,0	2,7	4,0	6,2	2,0	2,6	4,0	2,8	5,3

Wall Washer Light Low Contrast optics

An example of the use of **asymmetrical Low Contrast optics**, calculated within the preferred arrangement formula, which obtains a high degree of uniformity (above 0.7), with a reduced number of products and an average return of over 200 lux on the wall.



N°3 DARK Compact Fix AWW (Area Washer) optic 3000K Ra98 on the left side (1) and N°4 DARK Medium Fix GWW (Grazing Washer) optic 3000K Ra98 on the right side (2)

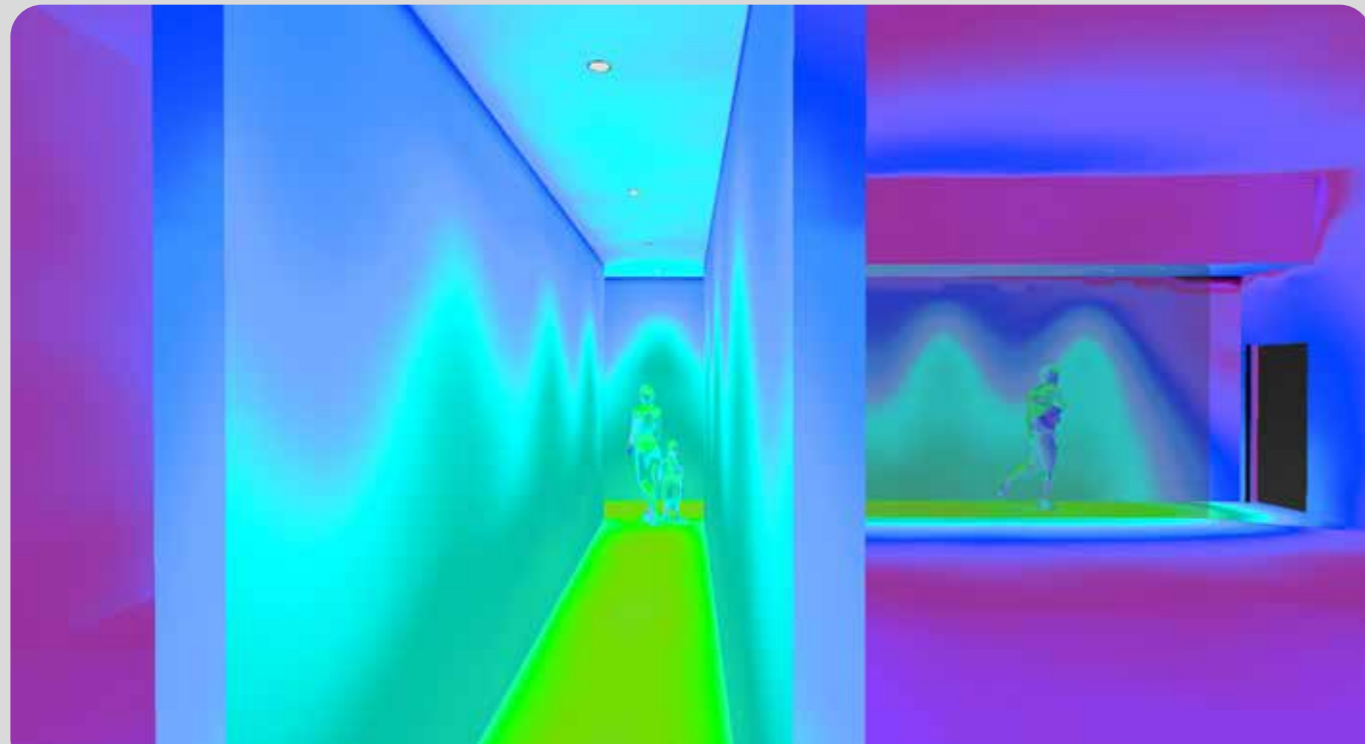


POSITIONING TABLE AREA WASHER 3000K Ra98			(1)
(h) Height wall	(a) Distance from wall	(b) Distance between fixtures	
h	a= 0,3 x h	b= 1,3 x a	
Verification AWW Compact			Uniformity
4m	1,2m	1,6m	0,71

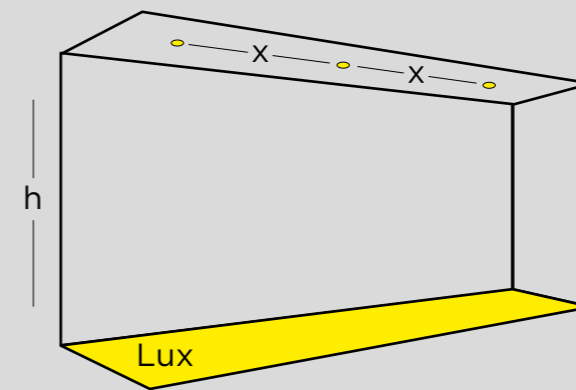
POSITIONING TABLE GRAZING WASHER 3000K Ra98			(2)
(h) Height wall	(a) Distance from wall	(b) Distance between fixtures	
h	a= 0,3 x h	b= a	
Verification GWW Medium			Uniformity
4m	1,2m	1,2m	0,72

Elliptical Light Low Contrast optics

An example of great energy savings. **Low Contrast elliptical optics**, calculated within the preferred arrangement formula, highlights how by using a product every two meters (at 3m height) it is possible to obtain 150 lux while conforming to a uniformity of 0.6 and an absorption of 2.1w / sqm.



N°9 DARK MAX Fix Low Contrast ENF
(elliptical Narrow Flood) optic from 5.3W



Sensing data

- 3000K
- Ra92
- UGR<19

UNIF. > 0,6

POSITIONING TABLE						
MODEL			POWER	h= 3m		
				100Lx	150Lx	250Lx
LOW CONTRAST	MAX	LCENF	3,1W	x= 2m		
			4,7W		x= 2m	
			8,1W			x= 2m
W/mq			1,4	2,1	3,6	

Attention to Detail

One of the unique features of Dark is the new 'anti slot' system which, using a movable membrane, it protects the view of the interior of the false ceiling, giving the adjustable version a flawless clean design even in the position of maximum inclination.



DARK Fix

Family of fixed trim and trimless spotlights for professional recessed lighting, designed to achieve maximum performance in the smallest size, optimizing the excellent characteristics of the new Revo optical system with 'Cross-Beam' technology, allowing extraordinary performances and precise projection.

The Dark family in its entirety stands out for its very high visual comfort and for the high performance Lux / Watt ratio it manages to deliver while maintaining comparable power and size ratios.

Available in single and multiple square and round, linear or angular versions, it offers a wide range of options and configurations.

Dedicated to advanced lighting design, the new Dark optical systems are particularly suitable for settings where precision lighting is crucial, along with visual comfort and energy saving requirements.

Available in five sizes, 7 rotosymmetrical optical variants per model, and 3 asymmetrical wall Washers in the Medium, Compact and Max versions.

The Dark collection offers the Lighting Designer a minimal and highly efficient tool for any design requirement with a high technical and qualitative content.

The square and multi-optical versions are configured with aggregating frames in 3D printing in white or black, a wide range of snap-on accessories allows for aesthetic and performance customizations.



DARK Tilt

A family of trim and trimless adjustable spotlights for professional recessed lighting, designed to achieve maximum performance in the smallest size, it optimizes the excellent characteristics of the new Revo optical system with 'Cross-Beam' technology, allowing extraordinary performances and precise projection.

Each model is equipped with a unique 'anti-slot' system designed to avoid the visibility of the void space, allows us to achieve great aesthetic cleanliness and rigorous design in all directions.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio it manages to deliver while maintaining comparable power and size ratios.

The adjustable versions guarantee orientations up to 40 ° of inclination without any deformation of the beam or projection decreases.

Available in five sizes, 7 rotosymmetrical optical variants per model, and 3 wall Washers in the Medium, Compact and Max versions.

The Dark collection offers the Lighting Designer a minimal and highly efficient tool for any design requirement with a high technical and qualitative content.

The square and multi-optical versions are configured with aggregating frames in 3D printing in white or black, a wide range of snap-on accessories allows for aesthetic and performance customizations.



Features

TECHNICAL CHARACTERISTICS

The Lux / Watt ratio supplied makes it one of the least energy-intensive products in its category.

The performance-to-size ratio of Dark makes it one of the smallest instruments on the market offering optical qualities of the highest value. The mini, small and medium versions have 'fast set' springs as standard for quick insertion of the product into the plasterboard for ease of installation. The adjustable version comes standard with the new 'anti-slot' system designed to avoid visibility of the soffit in any direction. It features a graduated slider to pre-set your aim precisely. To further aid the precision of the product, it has mechanical locking points on the two axes.

THE VERSIONS

Available in 5 fixed and 5 adjustable sizes in trim and trimless versions, with single and multi-optics, circular or quadrangular, linear and square. The Mini version also offers a triple angular conformation for both a bold visual and technical result. The multi-use of the many solutions proposed in the system allows Dark's technical contents to be transformed into creative and original lighting solutions. The multiple models and all versions are made up of an aesthetic frame are available in a variety of standard and non-standard colour finishes.

THE OPTICAL POSSIBILITIES

The recessed Dark are offered in temperatures 2700k, 3000k, 4000k high colour rendering RA 92 or 98 and LED source selection within 2 SDCM, with average coefficients UGR <10. The optical possibilities offer 5 high-definition rotosymmetrical optics from 15° to 50°, 2 highly homogeneous distribution optics and 2 asymmetrical Grazing Washer and Area Washer optics.

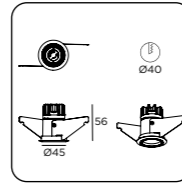
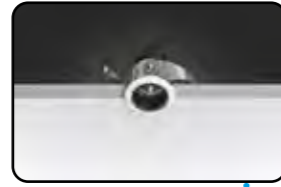
VISUAL COMFORT

The defining quality of the Dark family is precisely its discretion in the environment and compliance with the highest standards of visual comfort.

The roto-symmetrical Dark versions boast UGR <10 coefficients within the parameters of Dark lighting, while the asymmetrical wall washers are equipped with a specific optical profiler designed to protect against glare and unwanted visual occurrences.

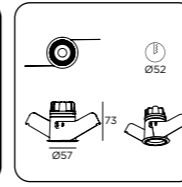
The DARK Fix range

DARK MINI FIX



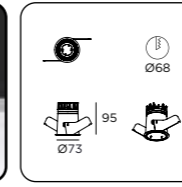
IP₄₀ 66

DARK SMALL FIX



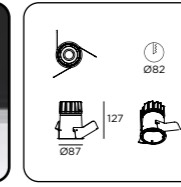
IP₄₀ 85

DARK MEDIUM FIX



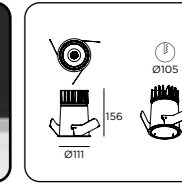
IP₄₀ 105

DARK COMPACT FIX



IP₄₀ 137

DARK MAX FIX



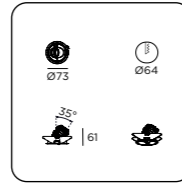
IP₄₀ 166

	DARK MINI FIX		DARK SMALL FIX		DARK MEDIUM FIX		DARK COMPACT FIX		DARK MAX FIX	
VERSION	1x 3x SQUARE	2x 4x	1x 2x2 SQUARE	2x	1x		1x		1x	
FRAME	ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE
TYPE	TRIM	TRIMLESS	TRIM	TRIMLESS	TRIM	TRIMLESS	TRIM	TRIMLESS	TRIM	TRIMLESS
CRI	92	98	92	98	92	98	92	98	92	98
LIGHT SHADES	2700K 3000K	3500K 4000K	2700K 3000K	3500K 4000K	2700K 3000K	3500K 4000K	2700K 3000K	3500K 4000K	2700K 3000K	3500K 4000K
REVO OPTICS	<ul style="list-style-type: none"> Narrow Spot Elliptical Narrow Spot Spot 	<ul style="list-style-type: none"> Narrow Flood Flood 	<ul style="list-style-type: none"> Narrow Spot Elliptical Narrow Spot Spot Narrow Flood 	<ul style="list-style-type: none"> Flood Wide Flood Elliptical Wide Flood 	<ul style="list-style-type: none"> Narrow Spot Elliptical Narrow Spot Spot Narrow Flood 	<ul style="list-style-type: none"> Flood Wide Flood Elliptical Wide Flood 	<ul style="list-style-type: none"> Narrow Spot Elliptical Narrow Spot Spot Narrow Flood 	<ul style="list-style-type: none"> Flood Wide Flood Elliptical Wide Flood 	<ul style="list-style-type: none"> Narrow Spot Elliptical Narrow Spot Spot Narrow Flood 	<ul style="list-style-type: none"> Flood Wide Flood Elliptical Wide Flood
LOW CONTRAST OPTICS					<ul style="list-style-type: none"> Grazing Washer Area Washer 	<ul style="list-style-type: none"> LC Flood LC Wide Flood 	<ul style="list-style-type: none"> Grazing Washer Area Washer 	<ul style="list-style-type: none"> LC Flood LC Wide Flood 	<ul style="list-style-type: none"> Grazing Washer Area Washer LC Flood 	<ul style="list-style-type: none"> LC Wide Flood LC Ell. Narrow Flood
CONTROL *	ON/OFF 1-10V DALI	PUSH CASAMBI PHASE CUT	ON/OFF 1-10V DALI	PUSH CASAMBI PHASE CUT	ON/OFF 1-10V DALI	PUSH CASAMBI PHASE CUT	ON/OFF 1-10V DALI	PUSH CASAMBI PHASE CUT	ON/OFF 1-10V DALI	PUSH CASAMBI PHASE CUT
FINISHING	Matt white txt Matt black txt Concrete grey	Gold txt Copper txt	Matt white txt Matt black txt Concrete grey	Gold txt Copper txt	Matt white txt Matt black txt Concrete grey	Gold txt Copper txt	Matt white txt Matt black txt Concrete grey	Gold txt Copper txt	Matt white txt Matt black txt Concrete grey	Gold txt Copper txt
EMERGENCY			EMERGENCY 1h		EMERGENCY 1h		EMERGENCY 1h		EMERGENCY 1h	
OPTICAL ACCESSORIES	Honeycomb Elliptical filter		Honeycomb Elliptical filter		Honeycomb Diffusing filter Elliptical filter		Honeycomb Diffusing filter Elliptical filter		Honeycomb Diffusing filter Elliptical filter	

* Remote driver

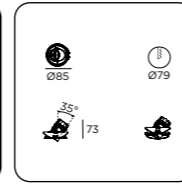
The DARK Tilt range

DARK MINI TILT



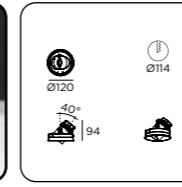
IP₂₀ 61

DARK SMALL TILT



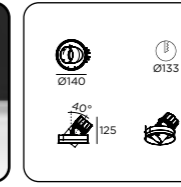
IP₂₀ 73

DARK MEDIUM TILT



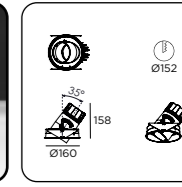
IP₄₀ 94

DARK COMPACT TILT



IP₄₀ 125

DARK MAX TILT

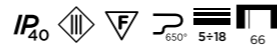


IP₄₀ 158

	DARK MINI TILT		DARK SMALL TILT		DARK MEDIUM TILT		DARK COMPACT TILT		DARK MAX TILT	
VERSION	1x 3x SQUARE	2x 4x	1x 2x2 SQUARE	2x	1x		1x		1x	
FRAME	ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE	ROUND	SQUARE
TYPE	TRIM	TRIMLESS	TRIM	TRIMLESS	TRIM	TRIMLESS	TRIM	TRIMLESS	TRIM	TRIMLESS
CRI	92	98	92	98	92	98	92	98	92	98
LIGHT SHADES	2700K 3000K	3500K 4000K	2700K 3000K	3500K 4000K	2700K 3000K	3500K 4000K	2700K 3000K	3500K 4000K	2700K 3000K	3500K 4000K
REVO OPTICS	<ul style="list-style-type: none"> Very Narrow Spot Narrow Spot Elliptical Narrow Spot 	<ul style="list-style-type: none"> Spot Narrow Flood Flood 	<ul style="list-style-type: none"> Very Narrow Spot Narrow Spot Elliptical Narrow Spot Spot 	<ul style="list-style-type: none"> Narrow Flood Flood Wide Flood Elliptical Wide Flood 	<ul style="list-style-type: none"> Very Narrow Spot Narrow Spot Elliptical Narrow Spot Spot 	<ul style="list-style-type: none"> Narrow Flood Flood Wide Flood Elliptical Wide Flood 	<ul style="list-style-type: none"> Very Narrow Spot Narrow Spot Elliptical Narrow Spot Spot 	<ul style="list-style-type: none"> Narrow Flood Flood Wide Flood Elliptical Wide Flood 	<ul style="list-style-type: none"> Very Narrow Spot Narrow Spot Elliptical Narrow Spot Spot 	<ul style="list-style-type: none"> Narrow Flood Flood Wide Flood Elliptical Wide Flood
LOW CONTRAST OPTICS					Grazing Washer	Area Washer	Grazing Washer	Area Washer	Grazing Washer	Area Washer
CONTROL *	ON/OFF 1-10V DALI	PUSH CASAMBI PHASE CUT	ON/OFF 1-10V DALI	PUSH CASAMBI PHASE CUT	ON/OFF 1-10V DALI	PUSH CASAMBI PHASE CUT	ON/OFF 1-10V DALI	PUSH CASAMBI PHASE CUT	ON/OFF 1-10V DALI	PUSH CASAMBI PHASE CUT
FINISHING	Matt white txt Matt black txt Concrete grey	Gold txt Copper txt	Matt white txt Matt black txt Concrete grey	Gold txt Copper txt	Matt white txt Matt black txt Concrete grey	Gold txt Copper txt	Matt white txt Matt black txt Concrete grey	Gold txt Copper txt	Matt white txt Matt black txt Concrete grey	Gold txt Copper txt
EMERGENCY	EMERGENCY 1h		EMERGENCY 1h		EMERGENCY 1h		EMERGENCY 1h		EMERGENCY 1h	
OPTICAL ACCESSORIES	Visor Snoot	Elliptical lens Honeycomb	Visor Snoot	Elliptical lens Honeycomb	Visor Snoot Elliptical lens	Diffusing glass Honeycomb Primary ring	Visor Snoot Elliptical lens	Diffusing glass Honeycomb Primary ring	Visor Snoot Elliptical lens	Diffusing glass Honeycomb Primary ring

* Remote driver

DARK MINI FIX



Minimal and effective recessed spotlight for professional lighting, designed to achieve maximum performance in the smallest size, equipped with the new Revo optical system, with 'Cross-Beam' technology, it allows extraordinary performances and precise beam projection in just 35mm diameter size.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio that it manages to deliver while maintaining retrospective illumination factors between wattage/ power and dimensions.

The new quick-installation trimless system speeds up and facilitates the integration of the product into the plasterboard thanks to a special 3mm-thick cross-linked ring nut that guarantees precision and cleanliness of the result.

Available in single and multiple square and round, linear or angular versions, it offers a very wide range of optical options, accessories, and multiple configurations.

REVO

Narrow Spot			Mini 1x	3000 K / Ra 92		
m	Ø	Lux	13°	Glaring	Darklight	
1	0.23	3672		UGR	1.9	
2	0.47	918		Colour deviation	2 SDCM	
3	0.70	408		Fixture power	3.9 W	
4	0.93	230		Fixture flux	277.0 lm	
5	1.17	147		Fixture efficacy	71 lm/W	
			I _{Max} 3672 cd	LED values	3.9 W	360.0 lm

Narrow Spot			Mini 2x	3000 K / Ra 92		
m	Ø	Lux	13°	Glaring	Darklight	
1	0.23	7345		UGR	4.3	
2	0.47	1836		Colour deviation	2 SDCM	
3	0.70	816		Fixture power	7.8 W	
4	0.93	459		Fixture flux	554.0 lm	
5	1.17	294		Fixture efficacy	71 lm/W	
			I _{Max} 7345 cd	LED values	7.8 W	720.0 lm

Spot			Mini 1x	3000 K / Ra 92		
m	Ø	Lux	17°	Glaring	Darklight	
1	0.30	3232		UGR	4.4	
2	0.61	808		Colour deviation	2 SDCM	
3	0.91	359		Fixture power	4.5 W	
4	1.21	202		Fixture flux	369.0 lm	
5	1.52	129		Fixture efficacy	82 lm/W	
			I _{Max} 3232 cd	LED values	4.5 W	510.0 lm

Spot			Mini 2x	3000 K / Ra 92		
m	Ø	Lux	17°	Glaring	Darklight	
1	0.30	6463		UGR	6.8	
2	0.61	1616		Colour deviation	2 SDCM	
3	0.91	718		Fixture power	9.0 W	
4	1.21	404		Fixture flux	738.0 lm	
5	1.52	259		Fixture efficacy	82 lm/W	
			I _{Max} 6463 cd	LED values	9.0 W	1020.0 lm

Narrow Flood			Mini 1x	3000 K / Ra 92		
m	Ø	Lux	24°	Glaring	Darklight	
1	0.42	1891		UGR	7.8	
2	0.85	473		Colour deviation	2 SDCM	
3	1.27	210		Fixture power	4.5 W	
4	1.69	118		Fixture flux	381.0 lm	
5	2.12	76		Fixture efficacy	85 lm/W	
			I _{Max} 1891 cd	LED values	4.5 W	510.0 lm

Narrow Flood			Mini 2x	3000 K / Ra 92		
m	Ø	Lux	24°	Glaring	Darklight	
1	0.42	3787		UGR	10.3	
2	0.85	947		Colour deviation	2 SDCM	
3	1.27	421		Fixture power	9.0 W	
4	1.69	237		Fixture flux	763.0 lm	
5	2.12	151		Fixture efficacy	85 lm/W	
			I _{Max} 3787 cd	LED values	9.0 W	1020.0 lm

Flood			Mini 1x	3000 K / Ra 92		
m	Ø	Lux	34°	Glaring	Darklight	
1	0.60	1117		UGR	11.7	
2	1.21	279		Colour deviation	2 SDCM	
3	1.81	124		Fixture power	4.5 W	
4	2.42	70		Fixture flux	391.0 lm	
5	3.02	45		Fixture efficacy	87 lm/W	
			I _{Max} 1117 cd	LED values	4.5 W	510.0 lm

Flood			Mini 2x	3000 K / Ra 92		
m	Ø	Lux	34°	Glaring	Darklight	
1	0.60	2236		UGR	14.1	
2	1.21	559		Colour deviation	2 SDCM	
3	1.81	248		Fixture power	9.0 W	
4	2.42	140		Fixture flux	783.0 lm	
5	3.02	89		Fixture efficacy	87 lm/W	
			I _{Max} 2236 cd	LED values	9.0 W	1020.0 lm

Elliptical Narrow Spot			Mini 1x	3000 K / Ra 92		
m	Ø	Lux	54,5° / 15,3°	Glaring	Darklight	
1	1,03x0,27	748		UGR	22.8	
2	2,06x0,54	187		Colour deviation	2 SDCM	
3	3,09x0,81	83		Fixture power	3.9 W	
4	4,12x1,08	47		Fixture flux	234.0 lm	
5	5,16x1,35	30		Fixture efficacy	60 lm/W	
			I _{Max} 748 cd	LED values	3.9 W	360.0 lm

Elliptical Narrow Spot			Mini 2x	3000 K / Ra 92		
m	Ø	Lux	54,5° / 15,3°	Glaring	Darklight	
1	1,03x0,27	1499		UGR	25.2	
2	2,06x0,54	375		Colour deviation	2 SDCM	
3	3,09x0,81	167		Fixture power	7.8 W	
4	4,12x1,08	94		Fixture flux	469.0 lm	
5	5,16x1,35	60		Fixture efficacy	60 lm/W	
			I _{Max} 1500 cd	LED values	7.8 W	720.0 lm

DARK MINI FIX Power supply

Single Head Power Supplies N-2 (350mA)	
9D035010AL1	ON-OFF, dim. 132x22x19mm, 10W, 220-240V±50/60Hz
9D035009DDAL	DALI/PUSH, dim. 140x36x20mm, 9W, 220-240V±50/60Hz
9D035004DALT	1-10V, dim. 135x30x20mm, 4W, 100-240V±50/60Hz
9D035018CASTC	CASAMBI, dim. 147x44x30mm, 18W, 220-240V±50/60Hz *
9D035017TFTC	PHASE CUT, dim. 120x52x22mm, 17W, 220-240V±50/60Hz *

* does not pass through cut-out

Single Head Power Supplies S-M-F (500mA)	
9D050010AL1	ON-OFF, dim. 132x22x19mm, 10W, 220-240V±50/60Hz
9D050010DDAL	DALI/PUSH, dim. 140x36x20mm, 10W, 220-240V±50/60Hz
9D050006DALT	1-10V, dim. 135x30x20mm, 6W, 100-240V±50/60Hz
9D050025CASTC	CASAMBI, dim. 124x79x22mm, 25W, 220-240V±50/60Hz *
9D050020TFTC	PHASE CUT, dim. 120x52x22mm, 20W, 220-240V±50/60Hz *

* does not pass through cut-out

Twin optical head power supplies N-2 (350mA)	
9D035010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D035017DDTC	DALI, dim. 120x52x22mm, 17W, 220-240V±50/60Hz
9D035018DATC	1-10V/PUSH, dim. 120x52x22mm, 18W, 220-240V±50/60Hz
9D035018CASTC	CASAMBI, dim. 147x44x30mm, 18W, 220-240V±50/60Hz
9D035017TFTC	PHASE CUT, dim. 120x52x22mm, 17W, 220-240V±50/60Hz

Twin optical head power supplies S-M-F (500mA)	
9D050010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm, 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm, 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm, 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm, 20W, 220-240V±50/60Hz

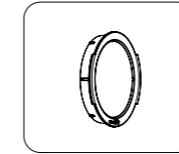
Triple optical head power supplies N-2 (350mA)	
9D035014AL	ON-OFF, dim. 125x38x23mm, 14W, 220-240V±50/60Hz
9D035017DDTC	DALI, dim. 120x52x22mm, 17W, 220-240V±50/60Hz
9D035018DATC	1-10V/PUSH, dim. 120x52x22mm, 18W, 220-240V±50/60Hz
9D035018CASTC	CASAMBI, dim. 147x44x30mm, 18W, 220-240V±50/60Hz
9D035017TFTC	PHASE CUT, dim. 120x52x22mm, 17W, 220-240V±50/60Hz

Triple optical head power supplies S-M-F (500mA)	
9D050019AL	ON-OFF, dim. 125x38x23mm, 20W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm, 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm, 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm, 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm, 20W, 220-240V±50/60Hz

Quad optical head power supplies N-2 (350mA)	
9D035019TC	ON-OFF, dim. 120x52x22mm, 19W, 220-240V±50/60Hz
9D035017DDTC	DALI, dim. 120x52x22mm, 17W, 220-240V±50/60Hz
9D035018DATC	1-10V/PUSH, dim. 120x52x22mm, 18W, 220-240V±50/60Hz
9D035018CASTC	CASAMBI, dim. 147x44x30mm, 18W, 220-240V±50/60Hz
9D035017TFTC	PHASE CUT, dim. 120x52x22mm, 17W, 220-240V±50/60Hz

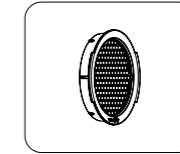
Quad optical head power supplies S-M-F (500mA)	
9D050019AL	ON-OFF, dim. 125x38x23mm, 20W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm, 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm, 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm, 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm, 20W, 220-240V±50/60Hz

DARK MINI FIX Accessories



Elliptical Lens

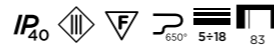
Lens which produces an elliptical beam dispersion. Direct effect is dependent on the primary beam selected.



Honeycomb

Honeycomb lens for roto-symmetrical optics, useful for avoiding any visual disturbances or radial luminance.

DARK SMALL FIX



Very small and effective recessed spotlight for professional lighting, designed to achieve maximum performance in the smallest size, equipped with the new Revo optical system, with 'Cross-Beam' technology, it allows extraordinary performances and precise beam projection in just 45mm diameter size.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio that it manages to deliver while maintaining retrospective illumination factors between wattage/power and dimensions.

The new quick-installation trimless system speeds up and facilitates the integration of the product into the plasterboard thanks to a special 3mm-thick cross-linked ring nut that guarantees precision and cleanliness of the result.

Available in single and multiple square and round, linear or angular versions, it offers a very wide range of optical options, accessories, and multiple configurations.

REVO

Narrow Spot			Small 1x		3000 K / Ra 92	
m	Ø	Lux	11°	Glaring	/	
1	0.19	9536		UGR	4.7	
2	0.38	2384		Colour deviation	2 SDCM	
3	0.57	1060		Fixture power	8.2 W	
4	0.76	596		Fixture flux	492.0 lm	
5	0.96	381		Fixture efficacy	60 lm/W	
			I _{Max}	9536 cd	LED values	8.2 W 632.0 lm

Spot			Small 1x		3000 K / Ra 92	
m	Ø	Lux	17°	Glaring	/	
1	0.29	6871		UGR	6.5	
2	0.59	1718		Colour deviation	2 SDCM	
3	0.88	763		Fixture power	9.2 W	
4	1.18	429		Fixture flux	709.0 lm	
5	1.47	275		Fixture efficacy	77 lm/W	
			I _{Max}	6871 cd	LED values	9.2 W 950.0 lm

Narrow Flood			Small 1x		3000 K / Ra 92	
m	Ø	Lux	24°	Glaring	/	
1	0.42	4486		UGR	2.4	
2	0.83	1121		Colour deviation	2 SDCM	
3	1.25	498		Fixture power	9.2 W	
4	1.67	280		Fixture flux	787.0 lm	
5	2.08	179		Fixture efficacy	86 lm/W	
			I _{Max}	4486 cd	LED values	9.2 W 950.0 lm

Flood			Small 1x		3000 K / Ra 92	
m	Ø	Lux	36°	Glaring	/	
1	0.66	2132		UGR	9.8	
2	1.32	533		Colour deviation	2 SDCM	
3	1.97	237		Fixture power	9.2 W	
4	2.63	133		Fixture flux	797.0 lm	
5	3.29	85		Fixture efficacy	87 lm/W	
			I _{Max}	2132 cd	LED values	9.2 W 950.0 lm

Wide Flood			Small 1x		3000 K / Ra 92	
m	Ø	Lux	47°	Glaring	/	
1	0.87	1262		UGR	16.0	
2	1.74	316		Colour deviation	2 SDCM	
3	2.60	140		Fixture power	9.2 W	
4	3.47	79		Fixture flux	729.0 lm	
5	4.34	50		Fixture efficacy	79 lm/W	
			I _{Max}	1262 cd	LED values	9.2 W 950.0 lm

Elliptical Narrow Spot			Small 1x		3000 K / Ra 92	
m	Ø	Lux	53.9° / 12.0°	Glaring	/	
1	1.02x0.21	1607		UGR	22.1	
2	2.03x0.42	402		Colour deviation	2 SDCM	
3	3.05x0.63	179		Fixture power	8.2 W	
4	4.07x0.84	100		Fixture flux	413.0 lm	
5	5.08x1.05	64		Fixture efficacy	50 lm/W	
			I _{Max}	1607 cd	LED values	8.2 W 632.0 lm

Elliptical Wide Flood			Small 1x		3000 K / Ra 92	
m	Ø	Lux	42.3° / 72.0°	Glaring	/	
1	0.77x1.45	685		UGR	17.4	
2	1.55x2.01	171		Colour deviation	2 SDCM	
3	2.32x4.36	76		Fixture power	9.2 W	
4	3.09x5.81	43		Fixture flux	614.0 lm	
5	3.86x7.27	27		Fixture efficacy	67 lm/W	
			I _{Max}	685 cd	LED values	9.2 W 950.0 lm

Narrow Spot			Small 2x		3000 K / Ra 92	
m	Ø	Lux	11°	Glaring	Darklight	
1	0.19	19072		UGR	7.1	
2	0.38	4768		Colour deviation	2 SDCM	
3	0.57	2119		Fixture power	16.4 W	
4	0.76	1192		Fixture flux	984.0 lm	
5	0.96	763		Fixture efficacy	60 lm/W	
			I _{Max}	19072 cd	LED values	16.4 W 1264.0 lm

Spot			Small 2x		3000 K / Ra 92	
m	Ø	Lux	17°	Glaring	Darklight	
1	0.29	13751		UGR	8.9	
2	0.59	3438		Colour deviation	2 SDCM	
3	0.88	1528		Fixture power	18.4 W	
4	1.18	859		Fixture flux	1419.0 lm	
5	1.47	550		Fixture efficacy	77 lm/W	
			I _{Max}	13751 cd	LED values	18.4 W 1900.0 lm

Narrow Flood			Small 2x		3000 K / Ra 92	
m	Ø	Lux	24°	Glaring	Darklight	
1	0.42	8977		UGR	4.8	
2	0.83	2244		Colour deviation	2 SDCM	
3	1.25	997		Fixture power	18.4 W	
4	1.67	561		Fixture flux	1575.0 lm	
5	2.08	359		Fixture efficacy	86 lm/W	
			I _{Max}	8977 cd	LED values	18.4 W 1900.0 lm

Flood			Small 2x		3000 K / Ra 92	
m	Ø	Lux	36°	Glaring	Darklight	
1	0.66	4265		UGR	12.2	
2	1.32	1066		Colour deviation	2 SDCM	
3	1.97	474		Fixture power	18.4 W	
4	2.63	267		Fixture flux	1594.0 lm	
5	3.29	171		Fixture efficacy	87 lm/W	
			I _{Max}	4265 cd	LED values	18.4 W 1900.0 lm

DARK SMALL FIX Power supply

Single Head Power Supplies N-2 (700mA)	
9D070009AL	ON-OFF, dim. 76x38x23mm, 9W, 220-240V±50/60Hz
9D070020DDEL	DALI/PUSH, dim. 151x43x28 20W, 220-240V±50/60Hz
9D070020DAEL	1-10V, dim. 151x43x28 20W, 220-240V±50/60Hz
9D70036CASTC	CASAMBI, dim. 147x44x30mm, 36W, 220-240V±50/60Hz *
9D070020TFTC	PHASE CUT, dim. 120x52x22mm, 20W, 220-240V±50/60Hz *

* does not pass through cut-out

Single Head Power Supplies S-M-F-W-6 (500mA)	
9D050010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D050020DDEL	DALI/PUSH, dim. 151x43x28 20W, 220-240V±50/60Hz
9D050020DAEL	1-10V, dim. 151x43x28 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm, 27W, 220-240V±50/60Hz *
9D050020TFTC	PHASE CUT, dim. 120x52x22mm, 20W, 220-240V±50/60Hz *

* does not pass through cut-out

Twin optical head power supplies N-2 (700mA)	
9D070019AL	ON-OFF, dim. 125x38x23mm, 19W, 220-240V±50/60Hz
9D070020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070036CASTC	CASAMBI, dim. 147x44x30mm 36W, 220-240V±50/60Hz
9D070020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Twin optical head power supplies S-M-F-W-6 (500mA)	
9D050019AL	ON-OFF, dim. 125x38x23mm, 20W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

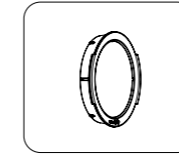
Quad optical head power supplies N-2 (700mA)	
9D070050TC	ON-OFF, dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D070050DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D070050CASTC	CASAMBI, dim. 124x79x22mm 50W, 220-240V±50/60Hz
9D070040TFMW	PHASE CUT, dim. 143x60x32mm 39W, 220-240V±50/60Hz *

* with cables on both sides

Quad optical head power supplies S-M-F-W-6 (500mA)	
9D050042MW	ON-OFF, dim. 124x82x23mm, 42W, 220-240V±50/60Hz
9D050042DDMW	DALI/PUSH, dim. 124x82x23mm, 42W, 220-240V±50/60Hz
9D050056DDTC	1-10V, dim. 124x79x22mm, 56W, 220-240V±50/60Hz
9D050042CASMW	CASAMBI, dim. 124x82x23mm, 42W, 220-240V±50/60Hz
9D050040TFMW	PHASE CUT, dim. 143x60x32mm 40W, 220-240V±50/60Hz *

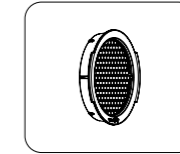
* with cables on both sides

DARK SMALL FIX Accessories



Elliptical Lens

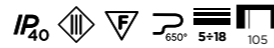
Lens which produces an elliptical beam dispersion. Direct effect is dependent on the primary beam selected.



Honeycomb

Honeycomb lens for roto-symmetrical optics, useful for avoiding any visual disturbances or radial luminance.

DARK MEDIUM FIX



Extremely compact and effective recessed spotlight for professional lighting, designed to achieve maximum performance in the smallest size, equipped with the new Revo optical system, with 'Cross-Beam' technology, it allows extraordinary efficiency and precise beam projection in just 62mm diameter size.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio that it manages to deliver while maintaining retrospective illumination factors between wattage/power and dimensions.

The new quick-installation trimless system speeds up and facilitates the integration of the product into the plasterboard thanks to a special 3mm-thick cross-linked ring nut that guarantees precision and cleanliness of the result.

Available in single square and round, linear or angular versions, it offers a very wide range of optical options, accessories, and multiple configurations.

REVO

Narrow Spot		3000 K / Ra 92	
m	Ø	Lux	12°
1	0.21	22005	
2	0.41	5501	
3	0.62	2445	
4	0.82	1375	
5	1.03	880	
		IMax 22005 cd	

Spot		3000 K / Ra 92	
m	Ø	Lux	18°
1	0.32	13888	
2	0.63	3472	
3	0.95	1543	
4	1.26	868	
5	1.58	556	
		IMax 13888 cd	

Narrow Flood		3000 K / Ra 92	
m	Ø	Lux	24°
1	0.43	10053	
2	0.86	2513	
3	1.29	1117	
4	1.73	628	
5	2.16	402	
		IMax 10053 cd	

Flood		3000 K / Ra 92	
m	Ø	Lux	37°
1	0.66	4839	
2	1.32	1210	
3	1.99	538	
4	2.65	302	
5	3.31	194	
		IMax 4839 cd	

Wide Flood		3000 K / Ra 92	
m	Ø	Lux	51°
1	0.94	2630	
2	1.89	658	
3	2.83	292	
4	3.78	164	
5	4.72	105	
		IMax 2630 cd	

Elliptical Narrow Spot		3000 K / Ra 92	
m	Ø	Lux	33,3° / 12,2°
1	0,60x0,21	4330	
2	1,20x0,43	1083	
3	1,79x0,64	481	
4	2,39x0,85	271	
5	2,99x1,07	173	
		IMax 4330 cd	

Elliptical Wide Flood		3000 K / Ra 92	
m	Ø	Lux	67,0° / 44,8°
1	1,32x0,82	1464	
2	2,65x1,65	366	
3	3,97x2,47	163	
4	5,29x3,29	92	
5	6,62x4,12	59	
		IMax 1464 cd	

LOW CONTRAST

Area Washer		3000K / Ra 92	
Uniformity 61% 64% 73% 72%		Glaring -	
		UGR -	
Em 46 lx		Colour deviation 2 SDCM	
Em 67 lx		Fixture power 11,8W	
Em 108 lx		Fixture flux 597lm	
Em 199 lx		Fixture efficacy 51lm/W	
		LED values 11,8W 1480lm	

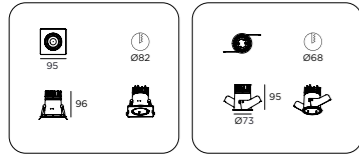
Grazing Washer		3000K / Ra 92	
Uniformity 73% 75% 74% 73%		Glaring -	
		UGR -	
Em 67 lx		Colour deviation 2 SDCM	
Em 96 lx		Fixture power 11,8W	
Em 149 lx		Fixture flux 865lm	
Em 261 lx		Fixture efficacy 73lm/W	
		LED values 11,8W 1480lm	

Flood LOW CONTRAST		3000K / Ra 92	
4m (h max)		LCF 700mA	
150lux		Glaring /	
		UGR 16.2	
2,6m (x)		Colour deviation 0 SDCM	
2w/m²		Fixture power 12,1W	
		Fixture flux 1159,0lm	
		Fixture efficacy 96lm/W	
		LED values 12,1W 1504,0lm	

Wide Flood LOW CONTRAST		3000K / Ra 92	
2,7m (h max)		LCW 250mA	
150lux		Glaring /	
		UGR 13.0	
1,8m (x)		Colour deviation 0 SDCM	
1,7w/m²		Fixture power 4,1W	
		Fixture flux 469,0lm	
		Fixture efficacy 114lm/W	
		LED values 4,1W 588,0lm	

DARK MEDIUM FIX

DARK MEDIUM FIX TRIM



128	DARK FIX MEDIUM
Version	
80	1X ROUND TRIM
81	1X SQUARE TRIM
Control	
R	Remote driver
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K
83	CRI98 3000K
87	CRI98 3500K
84	CRI98 4000K
Optic	
N	Narrow Spot 12°-18,2W
2	Elliptical Narrow Spot 18,2W
S	Spot 18°-17,3W
M	Narrow Flood 24°-17,3W
F	Flood 37°-17,3W
W	Wide Flood 51°-16,9W
6	Elliptical Wide Flood 16,9W
G	Grazing Washer 11,8W
A	Area Washer 11,8W
J	Low Contrast Flood max 12,1W
K	Low Contrast Wide Flood max 4,1W

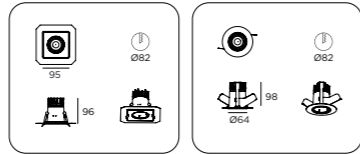
Accessories	
N	No accessories
H	Honeycomb *
D	Diffusing glass **
E	Elliptical lens ***



* Not available on optics 2,6,G,A
 ** Not available on optics 2,6,G,A,J,K
 *** Not available on optics N,2,W,6,G,A,J,K

Independent accessories	
9G100	Elliptical filter
9G101	Diffusing filter
9G102	Honeycomb

DARK MEDIUM FIX TRIMLESS



128	DARK FIX MEDIUM
Version	
8A	1X ROUND TRIMLESS
8B	1X SQUARE TRIMLESS
Control	
R	Remote driver
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K
83	CRI98 3000K
87	CRI98 3500K
84	CRI98 4000K
Optic	
N	Narrow Spot 12°-18,2W
2	Elliptical Narrow Spot 18,2W
S	Spot 18°-17,3W
M	Narrow Flood 24°-17,3W
F	Flood 37°-17,3W
W	Wide Flood 51°-16,9W
6	Elliptical Wide Flood 16,9W
G	Grazing Washer 11,8W
A	Area Washer 11,8W
J	Low Contrast Flood max 12,1W
K	Low Contrast Wide Flood max 4,1W

Accessories	
N	No accessories
H	Honeycomb *
D	Diffusing glass **
E	Elliptical lens ***



* Not available on optics 2,6,G,A
 ** Not available on optics 2,6,G,A,J,K
 *** Not available on optics N,2,W,6,G,A,J,K

Independent accessories	
9G100	Elliptical filter
9G101	Diffusing filter
9G102	Honeycomb

DARK MEDIUM FIX Power supply

Single Head Power Supplies N-2 (900mA)	
9D090038TC	ON-OFF, dim. 147x44x22mm 38W, 220-240V±50/60Hz
9D090038DDTC	DALI, dim. 147x44x30mm 38W, 220-240V±50/60Hz
9D090020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D090038CASTC	CASAMBI, dim. 147x44x30mm 38W, 220-240V±50/60Hz
9D090020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Single Head Power Supplies J (700mA)	
9D070019AL	ON-OFF, dim. 125x38x23mm, 19W, 220-240V±50/60Hz
9D070020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070036CASTC	CASAMBI, dim. 147x44x30mm 36W, 220-240V±50/60Hz
9D070020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

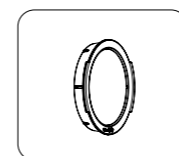
Single Head Power Supplies S-M-F-W-6 (500mA)	
9D050019AL	ON-OFF, dim. 125x38x23mm, 20W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Single Head Power Supplies K (250mA)	
9D025010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D025012DDTC	DALI, dim. 120x52x22mm 12W, 220-240V±50/60Hz
9D025012DATC	1-10V, dim. 103x67x22mm 13W, 220-240V±50/60Hz *
9D025010DDTR	PUSH, dim. 190x43x30mm 10W, 220-240V±50/60Hz
9D025010CASTR	CASAMBI, dim. 190x43x30mm 10W, 220-240V±50/60Hz
9D025012TFTC	PHASE CUT, dim. 120x52x22mm 12W, 220-240V±50/60Hz

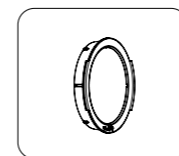
* does not pass through cut-out

Single Head Power Supplies G-A (350mA)	
9D035014AL	ON-OFF, dim. 125x38x23mm 14W, 220-240V±50/60Hz
9D035017DDTC	DALI, dim. 120x52x22mm 17W, 220-240V±50/60Hz
9D035018DATC	1-10V/PUSH, dim. 120x52x22mm 18W, 220-240V±50/60Hz
9D035018CASTC	CASAMBI, dim. 147x44x30mm 18W, 220-240V±50/60Hz
9D035017TFTC	PHASE CUT, dim. 120x52x22mm 17W, 220-240V±50/60Hz

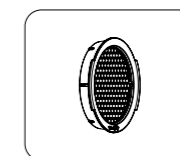
DARK MEDIUM FIX Accessories



Elliptical Lens
 Lens which produces an elliptical beam dispersion. Direct effect is dependent on the primary beam selected.

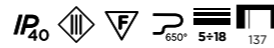


Diffusing filter
 Filter designed to attenuate and soften contrasts and cast shadows. To use where blurred rather than sharp edges are required.



Honeycomb
 Honeycomb lens for roto-symmetrical optics, useful for avoiding any visual disturbances or radial luminance.

DARK COMPACT FIX



Extremely compact and effective recessed spotlight for professional lighting, designed to achieve maximum performance in the smallest size, equipped with the new Revo optical system, with 'Cross-Beam' technology, it allows extraordinary efficiency and precise beam projection in just 76mm diameter size.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio that it manages to deliver while maintaining retrospective illumination factors between wattage/power and dimensions.

The new quick-installation trimless system speeds up and facilitates the integration of the product into the plasterboard thanks to a special 3mm-thick cross-linked ring nut that guarantees precision and cleanliness of the result.

Available in single and multiple square and round, linear or angular versions, it offers a very wide range of optical options, accessories, and multiple configurations.

REVO

Narrow Spot		3000 K / Ra 92	
m	Ø	Lux	9°
1	0.16	33266	
2	0.32	8317	
3	0.49	3696	
4	0.65	2079	
5	0.81	1331	
			I _{Max} 33266 cd

Spot		3000 K / Ra 92	
m	Ø	Lux	14°
1	0.25	26201	
2	0.51	6550	
3	0.76	2911	
4	1.01	1638	
5	1.27	1048	
			I _{Max} 26201 cd

Narrow Flood		3000 K / Ra 92	
m	Ø	Lux	23°
1	0.42	14229	
2	0.83	3557	
3	1.25	1581	
4	1.66	889	
5	2.08	569	
			I _{Max} 14229 cd

Flood		3000 K / Ra 92	
m	Ø	Lux	35°
1	0.63	7027	
2	1.25	1757	
3	1.88	781	
4	2.51	439	
5	3.14	281	
			I _{Max} 7027 cd

Wide Flood		3000 K / Ra 92	
m	Ø	Lux	51°
1	0.95	3479	
2	1.89	870	
3	2.84	387	
4	3.78	217	
5	4.73	139	
			I _{Max} 3479 cd

Elliptical Narrow Spot		3000 K / Ra 92	
m	Ø	Lux	10,3° / 34,4°
1	0,18x0,62	5014	
2	0,36x1,24	1253	
3	0,54x1,85	557	
4	0,72x2,47	313	
5	0,90x3,09	201	
			I _{Max} 5016 cd

Elliptical Wide Flood		3000 K / Ra 92	
m	Ø	Lux	43,3° / 70,5°
1	1,41x0,79	1979	
2	2,83x1,59	495	
3	4,24x2,38	220	
4	5,66x3,18	124	
5	7,07x3,97	79	
			I _{Max} 1979 cd

LOW CONTRAST

Area Washer		3000K / Ra 92	
Uniformity	62% 65% 72% 70%	Em	69 lx
			101 lx
			163 lx
			302 lx
			I _{Max} 14229 cd

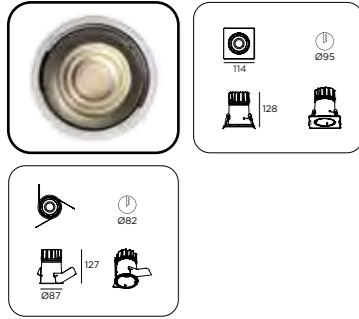
Grazing Washer		3000K / Ra 92	
Uniformity	70% 74% 74% 71%	Em	80 lx
			116 lx
			178 lx
			311 lx
			I _{Max} 7027 cd

Flood LOW CONTRAST		3000K / Ra 92	
4m (h max)	LCF 500mA	Glaring	/
200lux		UGR	15.8
		Colour deviation	2 SDCM
		Fixture power	17.3W
		Fixture flux	1457.0lm
		Fixture efficacy	84lm/W
		LED values	17.3W / 2027.0lm

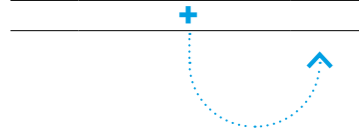
Wide Flood LOW CONTRAST		3000K / Ra 92	
2,7m (h max)	LCW 250mA	Glaring	/
200lux		UGR	13.9
		Colour deviation	2 SDCM
		Fixture power	8.2W
		Fixture flux	860.0lm
		Fixture efficacy	105lm/W
		LED values	8.2W / 1088.0lm

DARK COMPACT FIX

DARK COMPACT FIX TRIM

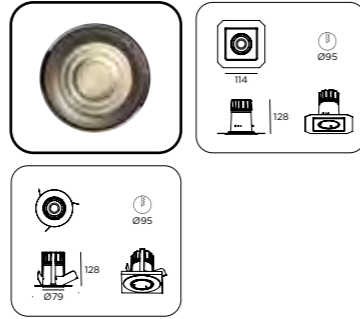


129	DARK FIX COMPACT
+	
Version	
80	1X ROUND TRIM
81	1X SQUARE TRIM
+	
Control	
R	Remote driver
+	
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
+	
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K
83	CRI98 3000K
87	CRI98 3500K
84	CRI98 4000K
+	
Optic	
N	Narrow Spot 9°-18,2W
2	Elliptical Narrow Spot 18,2W
S	Spot 14°-25,1W
M	Narrow Flood 23°-25,1W
F	Flood 35°-25,1W
W	Wide Flood 51°-24,4W
6	Elliptical Wide Flood 24,4W
G	Grazing Washer 16,9W
A	Area Washer 16,9W
J	Low Contrast Flood max 17,3W
K	Low Contrast Wide Flood max 8,2W

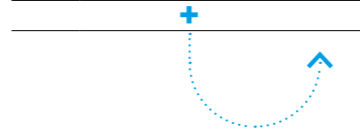


Independent accessories	
9G103	Elliptical filter
9G104	Diffusing filter
9G105	Honeycomb

DARK COMPACT FIX TRIMLESS



129	DARK FIX COMPACT
+	
Version	
8A	1X ROUND TRIMLESS
8B	1X SQUARE TRIMLESS
+	
Control	
R	Remote driver
+	
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
+	
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K
83	CRI98 3000K
87	CRI98 3500K
84	CRI98 4000K
+	
Optic	
N	Narrow Spot 9°-18,2W
2	Elliptical Narrow Spot 18,2W
S	Spot 14°-25,1W
M	Narrow Flood 23°-25,1W
F	Flood 35°-25,1W
W	Wide Flood 51°-24,4W
6	Elliptical Wide Flood 24,4W
G	Grazing Washer 16,9W
A	Area Washer 16,9W
J	Low Contrast Flood max 17,3W
K	Low Contrast Wide Flood max 8,2W



Independent accessories	
9G103	Elliptical filter
9G104	Diffusing filter
9G105	Honeycomb

DARK COMPACT FIX Power supply

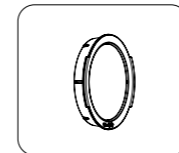
Single Head Power Supplies N-2 (900mA)	
9D090038TC	ON-OFF, dim. 147x44x22mm 38W, 220-240V±50/60Hz
9D090038DDTC	DALI/PUSH, dim. 147x44x30mm 38W, 220-240V±50/60Hz
9D090020DATC	1-10V, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D090038CASTC	CASAMBI, dim. 147x44x30mm 38W, 220-240V±50/60Hz
9D090020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Single Head Power Supplies A-G-J (500mA)	
9D050019AL	ON-OFF, dim. 125x38x23mm, 20W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

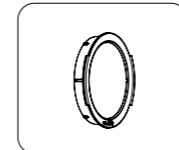
Single Head Power Supplies S-M-F-W-6 (700mA)	
9D070031TC	ON-OFF, dim. 147x44x22mm 31W, 220-240V±50/60Hz
9D070038DDTC	DALI/PUSH, dim. 147x44x30mm 38W, 220-240V±50/60Hz
9D070032DATC	1-10V/PUSH, dim. 103x67x22mm 32W, 220-240V±50/60Hz
9D070036CASTC	CASAMBI, dim. 147x44x30mm 36W, 220-240V±50/60Hz
9D070032TFTC	PHASE CUT, dim. 166x46x34mm 32W, 220-240V±50/60Hz

Single Head Power Supplies K (250mA)	
9D025010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D025012DDTC	DALI, dim. 120x52x22mm 12W, 220-240V±50/60Hz
9D025013DATC	1-10V/PUSH, dim. 120x52x22mm 13W, 220-240V±50/60Hz
9D025010CASTR	CASAMBI, dim. 190x43x30mm 10W, 220-240V±50/60Hz
9D025012TFTC	PHASE CUT, dim. 120x52x22mm 12W, 220-240V±50/60Hz

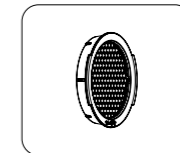
DARK COMPACT FIX Accessories



Elliptical Lens
Lens which produces an elliptical beam dispersion. Direct effect is dependent on the primary beam selected.

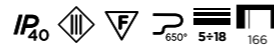


Diffusing filter
Filter designed to attenuate and soften contrasts and cast shadows. To use where blurred rather than sharp edges are required.



Honeycomb
Honeycomb lens for roto-symmetrical optics, useful for avoiding any visual disturbances or radial luminance.

DARK MAX FIX



Recessed spotlight with a compact design dedicated to professional lighting design, designed to achieve maximum performance in the smallest size, equipped with the new Revo optical system, with 'Cross-Beam' technology, it allows extraordinary efficiency and precise beam projection in just 96mm diameter size.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio that it manages to deliver while maintaining retrospective illumination factors between wattage/power and dimensions.

The new quick-installation trimless system speeds up and facilitates the integration of the product into the plasterboard thanks to a special 3mm-thick cross-linked ring nut that guarantees precision and cleanliness of the result.

Available in single square and round versions, it offers a wide range of symmetrical and asymmetrical optical options.

REVO

Narrow Spot			3000 K / Ra 92	
m	Ø	Lux	11°	Glaring Darklight
1	0.19	57921		UGR <10
2	0.37	14480		Colour deviation 2 SDCM
3	0.56	6436		Fixture power 33.1 W
4	0.74	3620		Fixture flux 2685.0 lm
5	0.93	2317		Fixture efficacy 81 lm/W
			I _{Max} 57921 cd	LED values 33.1 W / 3255.0 lm

Spot			3000 K / Ra 92	
m	Ø	Lux	14°	Glaring Darklight
1	0.24	43842		UGR 0.9
2	0.47	10960		Colour deviation 2 SDCM
3	0.71	4871		Fixture power 38.2 W
4	0.95	2740		Fixture flux 3218.0 lm
5	1.19	1754		Fixture efficacy 84 lm/W
			I _{Max} 43842 cd	LED values 38.2 W / 4054.0 lm

Narrow Flood			3000 K / Ra 92	
m	Ø	Lux	24°	Glaring Darklight
1	0.43	21481		UGR <10
2	0.86	5370		Colour deviation 2 SDCM
3	1.28	2387		Fixture power 35.8 W
4	1.71	1343		Fixture flux 3711.0 lm
5	2.14	859		Fixture efficacy 104 lm/W
			I _{Max} 21481 cd	LED values 35.8 W / 4560.0 lm

Flood			3000 K / Ra 92	
m	Ø	Lux	35°	Glaring Darklight
1	0.63	11595		UGR 2.6
2	1.27	2899		Colour deviation 2 SDCM
3	1.90	1288		Fixture power 35.8 W
4	2.54	725		Fixture flux 3862.0 lm
5	3.17	464		Fixture efficacy 108 lm/W
			I _{Max} 11606 cd	LED values 35.8 W / 4560.0 lm

Wide Flood			3000 K / Ra 92	
m	Ø	Lux	52°	Glaring Darklight
1	0.97	5890		UGR 17.0
2	1.93	1472		Colour deviation 2 SDCM
3	2.90	654		Fixture power 35.7 W
4	3.86	368		Fixture flux 3992.0 lm
5	4.83	236		Fixture efficacy 112 lm/W
			I _{Max} 5956 cd	LED values 35.7 W / 5048.0 lm

Elliptical Narrow Spot			3000 K / Ra 92	
m	Ø	Lux	10,7° / 31,6°	Glaring /
1	0,19x0,57	10727		UGR 4.4
2	0,38x1,13	2682		Colour deviation 2 SDCM
3	0,56x1,70	1192		Fixture power 33.1 W
4	0,75x2,27	670		Fixture flux 1634.0 lm
5	0,94x2,83	429		Fixture efficacy 49 lm/W
			I _{Max} 10727 cd	LED values 33.1 W / 3255.0 lm

Elliptical Wide Flood			3000 K / Ra 92	
m	Ø	Lux	45,3° / 67,1°	Glaring /
1	0,83x1,33	3341		UGR 16.2
2	1,67x2,65	835		Colour deviation 2 SDCM
3	2,50x3,98	371		Fixture power 35.7 W
4	3,33x5,30	209		Fixture flux 2781.0 lm
5	4,17x6,63	134		Fixture efficacy 78 lm/W
			I _{Max} 3342 cd	LED values 35.7 W / 5048.0 lm

LOW CONTRAST

Grazing Washer			3000K / Ra 92	
Uniformity 66% 69% 70% 67%			Glaring -	
				UGR <10
Em 154 lx				Colour deviation 2 SDCM
Em 226 lx				Fixture power 31.9W
Em 351 lx				Fixture flux 2157.0lm
Em 619 lx				Fixture efficacy 68lm/W
			LED values 31.9W / 3996.0lm	

Area Washer			3000K / Ra 92	
Uniformity 62% 67% 69% 58%			Glaring -	
				UGR <10
Em 137 lx				Colour deviation 2 SDCM
Em 204 lx				Fixture power 31.9W
Em 330 lx				Fixture flux 1862.0lm
Em 601 lx				Fixture efficacy 58lm/W
			LED values 31.9W / 3996.0lm	

**LOW
CONTRAST**

Wide Flood LOW CONTRAST

3000K / Ra 92

2.7m (h max)	
300lux	
2m (x)	
3.2w/m ²	
LCW 350mA	

Glaring	/
UGR	13.5
Colour deviation	2 SDCM
Fixture power	11.5W
Fixture flux	1295.0lm
Fixture efficacy	113lm/W
LED values	11.5W 1751.0lm

Flood LOW CONTRAST

3000K / Ra 92

4m (h max)	5m (h max)	
300lux	200lux	
2.7m (x)	3.3m (x)	
3.7w/m ²	2.7w/m ²	
LCF 700mA		

Glaring	/
UGR	15.7
Colour deviation	2 SDCM
Fixture power	24.2W
Fixture flux	2461.0lm
Fixture efficacy	102lm/W
LED values	24.2W 3235.0lm

Wide Flood LOW CONTRAST

3000K / Ra 92

2.7m (h max)	
500lux	
1.9m (x)	
5.5w/m ²	
LCW 500mA	

Glaring	/
UGR	14.6
Colour deviation	2 SDCM
Fixture power	16.8W
Fixture flux	1783.0lm
Fixture efficacy	106lm/W
LED values	16.8W 2410.0lm

Flood LOW CONTRAST

3000K / Ra 92

4m (h max)	5m (h max)	5m (h max)	
500lux	300lux	500lux	
2.4m (x)	3m (x)	2.4m (x)	
6.2w/m ²	4w/m ²	6.2w/m ²	
LCF 900mA			

Glaring	/
UGR	16.5
Colour deviation	2 SDCM
Fixture power	31.9W
Fixture flux	3040.0lm
Fixture efficacy	95lm/W
LED values	31.9W 3996.0lm

LOW CONTRAST EII. NF 100mA

3000K / Ra 92

3m (h max)	
100lux	
2m (x)	
1.4w/m ²	
LCENF 100mA	

Glaring	/
UGR	8.7
Colour deviation	2 SDCM
Fixture power	3.1W
Fixture flux	321.0lm
Fixture efficacy	104lm/W
LED values	3.1W 523.0lm

LOW CONTRAST EII. NF 250mA

3000K / Ra 92

3m (h max)	
250lux	
2m (x)	
3.6w/m ²	
LCENF 250mA	

Glaring	/
UGR	11.8
Colour deviation	2 SDCM
Fixture power	8.1W
Fixture flux	781.0lm
Fixture efficacy	96lm/W
LED values	8.1W 1272.0lm

LOW CONTRAST EII. NF 150mA

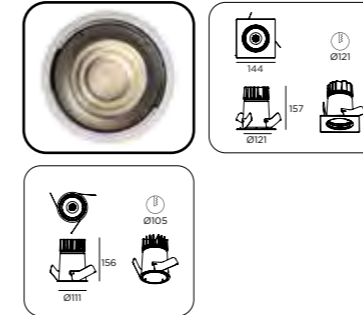
3000K / Ra 92

3m (h max)	
120lux	
2m (x)	
2.1w/m ²	
LCENF 150mA	

Glaring	/
UGR	10.0
Colour deviation	2 SDCM
Fixture power	4.7W
Fixture flux	477.0lm
Fixture efficacy	101lm/W
LED values	4.7W 777.0lm

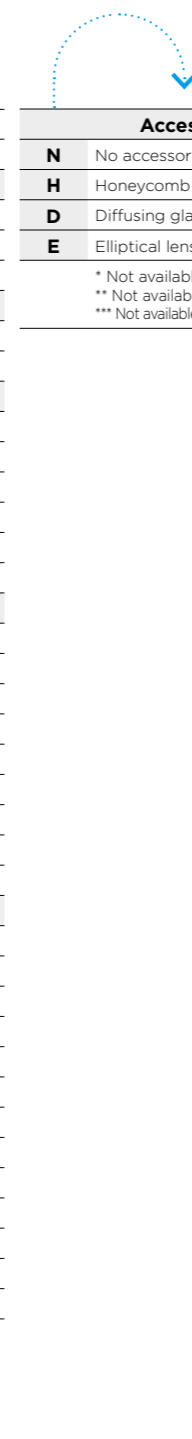
DARK MAX FIX

DARK MAX FIX TRIM



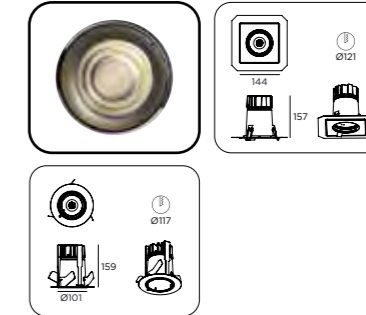
130	DARK FIX MAX
Version	
80	1X ROUND TRIM
81	1X SQUARE TRIM
Control	
R	Remote driver
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K
83	CRI98 3000K
87	CRI98 3500K
84	CRI98 4000K
Optic	
N	Narrow Spot 11°-33,1W
2	Elliptical Narrow Spot 33,1W
S	Spot 14°-38,2W
M	Narrow Flood 24°-35,8W
F	Flood 35°-35,8W
W	Wide Flood 52°-35,7W
6	Elliptical Wide Flood 35,7W
G	Grazing Washer 31,9W
A	Area Washer 31,9W
J	Low Contrast Flood max 31,9W
K	Low Contrast Wide Flood max 16,8W
H	Low Contrast EII. Narrow Flood max 8,1W

Accessories	
N	No accessories
H	Honeycomb *
D	Diffusing glass **
E	Elliptical lens ***
* Not available on optics 2,6,G,A,H	
** Not available on optics 2,6,G,A,J,K,H	
*** Not available on optics N,2,W,6,G,A,J,K,H	



Independent accessories	
9G106	Elliptical filter
9G107	Diffusing filter
9G108	Honeycomb

DARK MAX FIX TRIMLESS



130	DARK FIX MAX
Version	
8A	1X ROUND TRIMLESS
8B	1X SQUARE TRIMLESS
Control	
R	Remote driver
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K
83	CRI98 3000K
87	CRI98 3500K
84	CRI98 4000K
Optic	
N	Narrow Spot 11°-33,1W
2	Elliptical Narrow Spot 33,1W
S	Spot 14°-38,2W
M	Narrow Flood 24°-35,8W
F	Flood 35°-35,8W
W	Wide Flood 52°-35,7W
6	Elliptical Wide Flood 35,7W
G	Grazing Washer 31,9W
A	Area Washer 31,9W
J	Low Contrast Flood max 31,9W
K	Low Contrast Wide Flood max 16,8W
H	Low Contrast EII. Narrow Flood max 8,1W

Accessories	
N	No accessories
H	Honeycomb *
D	Diffusing glass **
E	Elliptical lens ***
* Not available on optics 2,6,G,A,H	
** Not available on optics 2,6,G,A,J,K,H	
*** Not available on optics N,2,W,6,G,A,J,K,H	



Independent accessories	
9G106	Elliptical filter
9G107	Diffusing filter
9G108	Honeycomb

DARK MAX FIX Power supply

Single Head Power Supplies N-2 (900mA)	
9D090038TC	ON-OFF, dim. 147x44x22mm 38W, 220-240V±50/60Hz
9D090060DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 60W, 220-240V±50/60Hz
9D090047CASTC	CASAMBI dim. 124x79x22mm, 47W, 220-240V±50/60Hz
9D090040TFAC	PHASE CUT, dim166x52x25mm, 40W, 220-240V±50/60Hz

Single Head Power Supplies S (1050mA)	
9D105050TC	ON-OFF, dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D105060DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 60W, 220-240V±50/60Hz
9D105050CASTC	CASAMBI dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D105045TFTC	PHASE CUT, dim. 174x83x35mm, 45W, 220-240V±50/60Hz

Single Head Power Supplies M-F-W-6 (1050mA)	
9D105040TC	ON-OFF, dim. 147x44x22mm 40W, 220-240V±50/60Hz
9D105060DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 60W, 220-240V±50/60Hz
9D105050CASTC	CASAMBI dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D105045TFTC	PHASE CUT, dim. 174x83x35mm, 45W, 220-240V±50/60Hz

Single Head Power Supplies A-G (900mA)	
9D090038TC	ON-OFF, dim. 147x44x22mm 38W, 220-240V±50/60Hz
9D090060DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 60W, 220-240V±50/60Hz
9D090047CASTC	CASAMBI dim. 124x79x22mm, 47W, 220-240V±50/60Hz
9D090040TFAC	PHASE CUT, dim166x52 h25mm, 40W, 220-240V±50/60Hz

Single Head Power Supplies J (700mA)	
9D070031TC	ON-OFF, dim. 147x44x22mm 31W, 220-240V±50/60Hz
9D070020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070036CASTC	CASAMBI, dim. 147x44x30mm 36W, 220-240V±50/60Hz
9D070032TFTC	PHASE CUT, dim. 166x46x34mm 32W, 220-240V±50/60Hz

Single Head Power Supplies J (900mA)	
9D090038TC	ON-OFF, dim. 147x44x22mm 38W, 220-240V±50/60Hz
9D090060DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 60W, 220-240V±50/60Hz
9D090047CASTC	CASAMBI dim. 124x79x22mm, 47W, 220-240V±50/60Hz
9D090040TFAC	PHASE CUT, dim166x52x25mm, 40W, 220-240V±50/60Hz

Single Head Power Supplies K (350mA)	
9D035014AL	ON-OFF, dim. 125x38x23mm 14W, 220-240V±50/60Hz
9D035017DDTC	DALI, dim. 120x52x22mm 17W, 220-240V±50/60Hz
9D035018DATC	1-10V/PUSH, dim. 120x52x22mm 18W, 220-240V±50/60Hz
9D035018CASTC	CASAMBI, dim. 147x44x30mm 18W, 220-240V±50/60Hz
9D035017TFTC	PHASE CUT, dim. 120x52x22mm 17W, 220-240V±50/60Hz

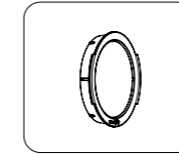
Single Head Power Supplies K (500mA)	
9D050019AL	ON-OFF, dim. 125x38x23mm, 20W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Single Head Power Supplies H (100mA)	
9D010010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D010005DDTC	DALI, dim. 120x52x22mm 5W, 220-240V±50/60Hz
9D010005DATC	1-10V/PUSH, dim. 120x52x22mm 5W, 220-240V±50/60Hz
9D010004TFLT	PHASE CUT, dim. 111x35x20mm 4W, 220-240V±50/60Hz

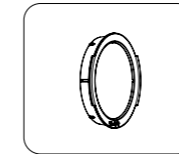
Single Head Power Supplies H (150mA)	
9D015010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D014007DDTC	DALI, dim. 120x52x22mm 7W, 220-240V±50/60Hz *
9D014007DATC	1-10V/PUSH, dim. 120x52x22mm 7W, 220-240V±50/60Hz *
9D015006CASTR	CASAMBI, dim. 190x43x30mm 6W, 220-240V±50/60Hz
9D015007TFTC	PHASE CUT, dim. 166x46x34mm 7W, 220-240V±50/60Hz

Single Head Power Supplies H (250mA)	
9D025010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D025012DDTC	DALI, dim. 120x52x22mm 12W, 220-240V±50/60Hz
9D025012DATC	1-10V, dim. 103x67x22mm 13W, 220-240V±50/60Hz
9D025010CASTR	CASAMBI, dim. 190x43x30mm 10W, 220-240V±50/60Hz
9D025012TFTC	PHASE CUT, dim. 120x52x22mm 12W, 220-240V±50/60Hz

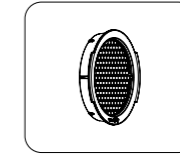
DARK MAX FIX Accessories



Elliptical Lens
Lens which produces an elliptical beam dispersion. Direct effect is dependent on the primary beam selected.

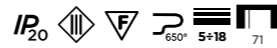


Diffusing filter
Filter designed to attenuate and soften contrasts and cast shadows. To use where blurred rather than sharp edges are required.



Honeycomb
Honeycomb lens for roto-symmetrical optics, useful for avoiding any visual disturbances or radial luminance.

DARK MINI TILT



Minimal and effective recessed adjustable projector for professional lighting, designed to achieve maximum performance in the smallest size, equipped with the new Revo optical system with 'Cross-Beam' technology, it allows extraordinary performances and precise beam projection.

The adjustable versions guarantee inclinations up to 35° without any deformation of the beam or decrease in lumen output. Equipped with a unique 'anti-slot' system designed to avoid the visibility of the void space, allows us to achieve great aesthetic cleanliness and rigorous design in all directions.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio that it manages to deliver while maintaining retrospective illumination factors between wattage/power and dimensions.

The new quick-installation trimless system speeds up and facilitates the integration of the product into the plasterboard thanks to a special 3mm-thick cross-linked ring nut that guarantees precision and cleanliness of the result.

Available in single and multiple square and round, linear or angular versions, it offers a very wide range of optical options, accessories, and multiple configurations.

REVO

Very Narrow Spot

			3000 K / Ra 92	
m	Ø	Lux	8°	Glaring / Darklight
1	0.14	6533		UGR 0.5
2	0.29	1633		Colour deviation 2 SDCM
3	0.43	726		Fixture power 3.0 W
4	0.58	408		Fixture flux 228.0 lm
5	0.72	261		Fixture efficacy 76 lm/W
			I _{Max} 6533 cd	LED values 3.0 W / 282.0 lm

Narrow Spot

			3000 K / Ra 92	
m	Ø	Lux	13°	Glaring / Darklight
1	0.23	3672		UGR 1.9
2	0.47	918		Colour deviation 2 SDCM
3	0.70	408		Fixture power 3.9 W
4	0.93	230		Fixture flux 277.0 lm
5	1.17	147		Fixture efficacy 71 lm/W
			I _{Max} 3672 cd	LED values 3.9 W / 360.0 lm

Spot

			3000 K / Ra 92	
m	Ø	Lux	17°	Glaring / Darklight
1	0.30	3232		UGR 4.4
2	0.61	808		Colour deviation 2 SDCM
3	0.91	359		Fixture power 4.5 W
4	1.21	202		Fixture flux 369.0 lm
5	1.52	129		Fixture efficacy 82 lm/W
			I _{Max} 3232 cd	LED values 4.5 W / 510.0 lm

Narrow Flood

			3000 K / Ra 92	
m	Ø	Lux	24°	Glaring / Darklight
1	0.42	1891		UGR 7.8
2	0.85	473		Colour deviation 2 SDCM
3	1.27	210		Fixture power 4.5 W
4	1.69	118		Fixture flux 381.0 lm
5	2.12	76		Fixture efficacy 85 lm/W
			I _{Max} 1891 cd	LED values 4.5 W / 510.0 lm

Flood

			3000 K / Ra 92	
m	Ø	Lux	34°	Glaring / Darklight
1	0.60	1117		UGR 11.7
2	1.21	279		Colour deviation 2 SDCM
3	1.81	124		Fixture power 4.5 W
4	2.42	70		Fixture flux 391.0 lm
5	3.02	45		Fixture efficacy 87 lm/W
			I _{Max} 1117 cd	LED values 4.5 W / 510.0 lm

Elliptical Narrow Spot

			3000 K / Ra 92	
m	Ø	Lux	54,5° / 15,3°	Glaring / Darklight
1	1,03x0,27	748		UGR 22.8
2	2,06x0,54	187		Colour deviation 2 SDCM
3	3,09x0,81	83		Fixture power 3.9 W
4	4,12x1,08	47		Fixture flux 234.0 lm
5	5,16x1,35	30		Fixture efficacy 60 lm/W
			I _{Max} 748 cd	LED values 3.9 W / 360.0 lm

DARK MINI TILT Accessories



Visor

Partial rotatable glare control, necessary to shield any directional glare.



Snoot

Omnidirectional glare reducer, necessary to shield any radial disturbances.



Elliptical lens

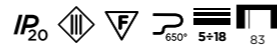
Rotatable lens to obtain the elliptical deformation of the beam, amplitude and variable characteristics depending on the chosen optical combination.



Honeycomb

Honeycomb lens, necessary to shield any radial disturbances.

DARK SMALL TILT



Very small and effective recessed adjustable projector for professional lighting, designed to achieve maximum performance in the smallest size, equipped with the new Revo optical system with 'Cross-Beam' technology, it allows extraordinary performances and precise beam projection.

The adjustable versions guarantee inclinations up to 35° without any deformation of the beam or decrease in lumen output. Equipped with a unique 'anti-slot' system designed to avoid the visibility of the void space, allows us to achieve great aesthetic cleanliness and rigorous design in all directions.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio that it manages to deliver while maintaining retrospective illumination factors between wattage/power and dimensions.

The new quick-installation trimless system speeds up and facilitates the integration of the product into the plasterboard thanks to a special 3mm-thick cross-linked ring nut that guarantees precision and cleanliness of the result.

Available in single and multiple square and round, linear or angular versions, it offers a very wide range of optical options, accessories, and multiple configurations.

REVO

Very Narrow Spot

			3000 K / Ra 92	
m	Ø	Lux	7°	Glaring / Darklight
1	0.12	9362		UGR 1.8
2	0.24	2340		Colour deviation 2 SDCM
3	0.36	1040		Fixture power 3.0 W
4	0.47	585		Fixture flux 232.0 lm
5	0.59	374		Fixture efficacy 77 lm/W
			I _{Max} 9362 cd	LED values 3.0 W / 282.0 lm

Narrow Spot

			3000 K / Ra 92	
m	Ø	Lux	11°	Glaring /
1	0.19	9536		UGR 4.7
2	0.38	2384		Colour deviation 2 SDCM
3	0.57	1060		Fixture power 8.2 W
4	0.76	596		Fixture flux 492.0 lm
5	0.96	381		Fixture efficacy 60 lm/W
			I _{Max} 9536 cd	LED values 8.2 W / 632.0 lm

Spot

			3000 K / Ra 92	
m	Ø	Lux	17°	Glaring /
1	0.29	6871		UGR 6.5
2	0.59	1718		Colour deviation 2 SDCM
3	0.88	763		Fixture power 9.2 W
4	1.18	429		Fixture flux 709.0 lm
5	1.47	275		Fixture efficacy 77 lm/W
			I _{Max} 6871 cd	LED values 9.2 W / 950.0 lm

Narrow Flood

			3000 K / Ra 92	
m	Ø	Lux	24°	Glaring /
1	0.42	4486		UGR 2.4
2	0.83	1121		Colour deviation 2 SDCM
3	1.25	498		Fixture power 9.2 W
4	1.67	280		Fixture flux 787.0 lm
5	2.08	179		Fixture efficacy 86 lm/W
			I _{Max} 4486 cd	LED values 9.2 W / 950.0 lm

Flood

			3000 K / Ra 92	
m	Ø	Lux	36°	Glaring /
1	0.66	2132		UGR 9.8
2	1.32	533		Colour deviation 2 SDCM
3	1.97	237		Fixture power 9.2 W
4	2.63	133		Fixture flux 797.0 lm
5	3.29	85		Fixture efficacy 87 lm/W
			I _{Max} 2132 cd	LED values 9.2 W / 950.0 lm

Wide Flood

			3000 K / Ra 92	
m	Ø	Lux	47°	Glaring /
1	0.87	1262		UGR 16.0
2	1.74	316		Colour deviation 2 SDCM
3	2.60	140		Fixture power 9.2 W
4	3.47	79		Fixture flux 729.0 lm
5	4.34	50		Fixture efficacy 79 lm/W
			I _{Max} 1262 cd	LED values 9.2 W / 950.0 lm

Elliptical Narrow Spot

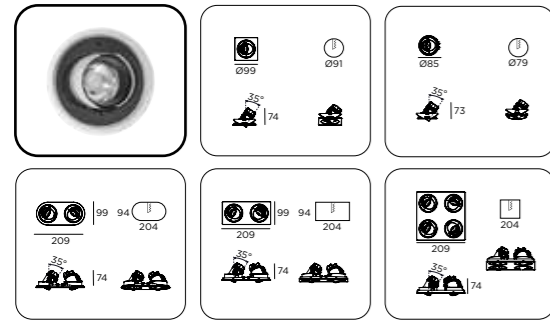
			3000 K / Ra 92	
m	Ø	Lux	53.9° / 12.0°	Glaring /
1	1.02x0.21	1607		UGR 22.1
2	2.03x0.42	402		Colour deviation 2 SDCM
3	3.05x0.63	179		Fixture power 8.2 W
4	4.07x0.84	100		Fixture flux 413.0 lm
5	5.08x1.05	64		Fixture efficacy 50 lm/W
			I _{Max} 1607 cd	LED values 8.2 W / 632.0 lm

Elliptical Wide Flood

			3000 K / Ra 92	
m	Ø	Lux	42.3° / 72.0°	Glaring /
1	0.77x1.45	685		UGR 17.4
2	1.55x2.01	171		Colour deviation 2 SDCM
3	2.32x4.36	76		Fixture power 9.2 W
4	3.09x5.81	43		Fixture flux 614.0 lm
5	3.86x7.27	27		Fixture efficacy 67 lm/W
			I _{Max} 685 cd	LED values 9.2 W / 950.0 lm

DARK SMALL TILT

DARK SMALL TILT TRIM



132 DARK TILT SMALL

Version

80	1X ROUND TRIM
81	1X SQUARE TRIM
82	2X ROUND TRIM
83	2X SQUARE TRIM
87	2X2 SQUARE TRIM

Control

R	Remote driver
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Finishing

W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt

CRI-CCT

22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K *
83	CRI98 3000K *
87	CRI98 3500K *
84	CRI98 4000K *

* Not available on optics V,N,2

Optic

V	Very Narrow Spot 7°-3W
N	Narrow Spot 11°-8,2W
2	Elliptical Narrow Spot 8,2W
S	Spot 17°-9,2W
M	Narrow Flood 24°-9,2W
F	Flood 36°-9,2W
W	Wide Flood 47°-9,2W
6	Elliptical Wide Flood 9,2W

Accessories

N	No accessories
H	Honeycomb **
S	Snoot ***
V	Visor ***
E	Elliptical lens ***

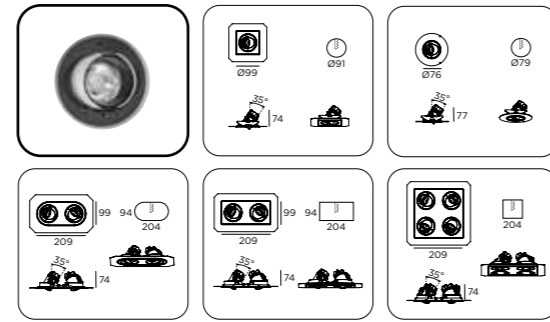
** Not available on optics 2,6
*** Not available on optics N,2,W,6

Factory fitted accessories are for single head versions only. For multi-head versions, order accessories independently.

Independent accessories

9G073	Visor
9G074	Snoot
9G075	Elliptical lens
9G076	Honeycomb

DARK SMALL TILT TRIMLESS



132 DARK TILT SMALL

Version

8A	1X ROUND TRIMLESS
8B	1X SQUARE TRIMLESS
8C	2X ROUND TRIMLESS
8D	2X SQUARE TRIMLESS
8H	2X2 SQUARE TRIMLESS

Control

R	Remote driver
---	---------------

Finishing

W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt

CRI-CCT

22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K *
83	CRI98 3000K *
87	CRI98 3500K *
84	CRI98 4000K *

* Not available on optics V,N,2

Optic

V	Very Narrow Spot 7°-3W
N	Narrow Spot 11°-8,2W
2	Elliptical Narrow Spot 8,2W
S	Spot 17°-9,2W
M	Narrow Flood 24°-9,2W
F	Flood 36°-9,2W
W	Wide Flood 47°-9,2W
6	Elliptical Wide Flood 9,2W

Accessories

N	No accessories
H	Honeycomb **
S	Snoot ***
V	Visor ***
E	Elliptical lens ***

** Not available on optics 2,6
*** Not available on optics N,2,W,6

Factory fitted accessories are for single head versions only. For multi-head versions, order accessories independently.

Independent accessories

9G073	Visor
9G074	Snoot
9G075	Elliptical lens
9G076	Honeycomb

DARK SMALL TILT Power supply

Single Head Power Supplies V (1050mA)

9D105010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D105020DDEL	DALI/PUSH, dim. 151x43x28mm, 20W, 220-240V±50/60Hz
9D105020DAEL	1-10V, dim. 151x43x28mm, 20W, 220-240V±50/60Hz
9D105060CASTC	CASAMBI, dim. 124x79x22mm 60W, 220-240V±50/60Hz
9D105045TFTC	PHASE CUT, dim. 174x83x35mm, 45W, 220-240V±50/60Hz

Single Head Power Supplies N-2 (700mA)

9D070009AL	ON-OFF, dim. 76x38x23mm, 9W, 220-240V±50/60Hz
9D070020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070036CASTC	CASAMBI, dim. 147x44x30mm 36W, 220-240V±50/60Hz
9D070020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Single Head Power Supplies S-M-F-W-6 (500mA)

9D050010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Twin optical head power supplies V (1050mA)

9D105010AL	ON-OFF, dim. 76x38x23mm, 10W, 220-240V±50/60Hz
9D105020DDEL	DALI/PUSH, dim. 151x43x28mm, 20W, 220-240V±50/60Hz
9D105020DAEL	1-10V, dim. 151x43x28mm, 20W, 220-240V±50/60Hz
9D105060CASTC	CASAMBI, dim. 124x79x22mm 60W, 220-240V±50/60Hz
9D105045TFTC	PHASE CUT, dim. 174x83x35mm, 45W, 220-240V±50/60Hz

Twin optical head power supplies N-2 (700mA)

9D070019AL	ON-OFF, dim. 125x38x23mm, 19W, 220-240V±50/60Hz
9D070020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070036CASTC	CASAMBI, dim. 147x44x30mm 36W, 220-240V±50/60Hz
9D070020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Twin optical head power supplies S-M-F-W-6 (500mA)

9D050019AL	ON-OFF, dim. 125x38x23mm, 20W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Quad optical head power supplies V (1050mA)

9D105022TC	ON-OFF, dim. 130x38x28mm, 22W, 220-240V±50/60Hz
9D105020DDEL	DALI/PUSH, dim. 151x43x28mm, 20W, 220-240V±50/60Hz
9D105020DAEL	1-10V, dim. 151x43x28mm, 20W, 220-240V±50/60Hz
9D105060CASTC	CASAMBI, dim. 124x79x22mm 60W, 220-240V±50/60Hz
9D105045TFTC	PHASE CUT, dim. 174x83x35mm, 45W, 220-240V±50/60Hz

Quad optical head power supplies N-2 (700mA)

9D070050TC	ON-OFF, dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D070050DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D070050CASTC	CASAMBI, dim. 124x79x22mm 50W, 220-240V±50/60Hz
9D070040TFMW	PHASE CUT, dim. 143x60x32mm 39W, 220-240V±50/60Hz

Quad optical head power supplies S-M-F-W-6 (500mA)

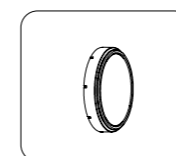
9D050042MW	ON-OFF, dim. 124x82x23mm, 42W, 220-240V±50/60Hz
9D050042DDMW	DALI/PUSH, dim. 124x82x23mm, 42W, 220-240V±50/60Hz
9D050056DDTC	1-10V, dim. 124x79x22mm, 56W, 220-240V±50/60Hz
9D050042CASMW	CASAMBI, dim. 124x82x23mm, 42W, 220-240V±50/60Hz
9D050040TFMW	PHASE CUT, dim. 143x60x32mm 40W, 220-240V±50/60Hz

DARK SMALL TILT Accessories



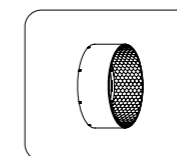
Visor

Partial rotatable glare control, necessary to shield any directional glare.



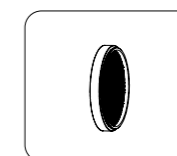
Elliptical lens

Rotatable lens to obtain the elliptical deformation of the beam, amplitude and variable characteristics depending on the chosen optical combination.



Snoot

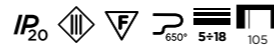
Omnidirectional glare reducer, necessary to shield any radial disturbances.



Honeycomb

Honeycomb lens, necessary to shield any radial disturbances.

DARK MEDIUM TILT



Recessed adjustable spotlight, extremely compact for professional lighting, designed to achieve maximum performance in the smallest size, equipped with the new Revo optical system with 'Cross-Beam' technology, it allows extraordinary performances and precise beam projection.

The adjustable versions guarantee inclinations up to 40 ° without any deformation of the beam or decrease in lumen output.

Equipped with a unique 'anti-slot' system designed to avoid the visibility of the void space, allows us to achieve great aesthetic cleanliness and rigorous design in all directions.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio that it manages to deliver while maintaining retrospective illumination factors between wattage/power and dimensions.

The new quick-installation trimless system speeds up and facilitates the integration of the product into the plasterboard thanks to a special 3mm-thick cross-linked ring nut that guarantees precision and cleanliness of the result.

Available in single square and round, linear or angular versions, it offers a very wide range of optical options, accessories, and multiple configurations.

REVO

Very Narrow Spot			3000 K / Ra 92	
m	Ø	Lux	8°	Glaring Darklight
1	0.14	17049		UGR 0.2
2	0.28	4262		Colour deviation 2 SDCM
3	0.42	1894		Fixture power 8.2 W
4	0.55	1066		Fixture flux 521.0 lm
5	0.69	682		Fixture efficacy 64 lm/W
			IMax 17049 cd	LED values 8.2 W / 632.0 lm

Narrow Spot			3000 K / Ra 92	
m	Ø	Lux	12°	Glaring Darklight
1	0.21	22005		UGR 2.6
2	0.41	5501		Colour deviation 2 SDCM
3	0.62	2445		Fixture power 18.2 W
4	0.82	1375		Fixture flux 1206.0 lm
5	1.03	880		Fixture efficacy 66 lm/W
			IMax 22005 cd	LED values 18.2 W / 1490.0 lm

Spot			3000 K / Ra 92	
m	Ø	Lux	18°	Glaring Darklight
1	0.32	13888		UGR 4.3
2	0.63	3472		Colour deviation 2 SDCM
3	0.95	1543		Fixture power 17.3 W
4	1.26	868		Fixture flux 1611.0 lm
5	1.58	556		Fixture efficacy 93 lm/W
			IMax 13888 cd	LED values 17.3 W / 2027.0 lm

Narrow Flood			3000 K / Ra 92	
m	Ø	Lux	24°	Glaring Darklight
1	0.43	10053		UGR 0.6
2	0.86	2513		Colour deviation 2 SDCM
3	1.29	1117		Fixture power 17.3 W
4	1.73	628		Fixture flux 1771.0 lm
5	2.16	402		Fixture efficacy 102 lm/W
			IMax 10053 cd	LED values 17.3 W / 2027.0 lm

Flood			3000 K / Ra 92	
m	Ø	Lux	37°	Glaring Darklight
1	0.66	4839		UGR 8.4
2	1.32	1210		Colour deviation 2 SDCM
3	1.99	538		Fixture power 17.3 W
4	2.65	302		Fixture flux 1791.0 lm
5	3.31	194		Fixture efficacy 104 lm/W
			IMax 4839 cd	LED values 17.3 W / 2027.0 lm

Wide Flood			3000 K / Ra 92	
m	Ø	Lux	51°	Glaring Darklight
1	0.94	2630		UGR 17.3
2	1.89	658		Colour deviation 2 SDCM
3	2.83	292		Fixture power 16.9 W
4	3.78	164		Fixture flux 1703.0 lm
5	4.72	105		Fixture efficacy 101 lm/W
			IMax 2630 cd	LED values 16.9 W / 2137.0 lm

Elliptical Narrow Spot			3000 K / Ra 92	
m	Ø	Lux	33,3° / 12,2°	Glaring /
1	0,60x0,21	4330		UGR 16.2
2	1,20x0,43	1083		Colour deviation 2 SDCM
3	1,79x0,64	481		Fixture power 18.2 W
4	2,39x0,85	271		Fixture flux 758.0 lm
5	2,99x1,07	173		Fixture efficacy 42 lm/W
			IMax 4330 cd	LED values 18.2 W / 1490.0 lm

Elliptical Wide Flood			3000 K / Ra 92	
m	Ø	Lux	67,0° / 44,8°	Glaring /
1	1,32x0,82	1464		UGR 25.5
2	2,65x1,65	366		Colour deviation 2 SDCM
3	3,97x2,47	163		Fixture power 16.9 W
4	5,29x3,29	92		Fixture flux 1205.0 lm
5	6,62x4,12	59		Fixture efficacy 71 lm/W
			IMax 1464 cd	LED values 16.9 W / 2137.0 lm

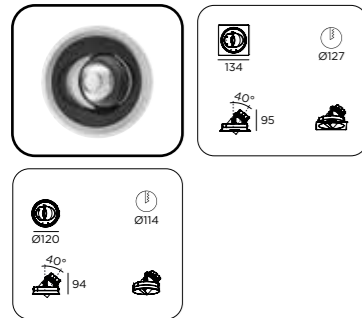
LOW CONTRAST

Area Washer			3000K / Ra 92	
Uniformity 61% 64% 73% 72%			Glaring	-
Em 46 lx			UGR	-
Em 67 lx			Colour deviation	2 SDCM
Em 108 lx			Fixture power	11,8W
Em 199 lx			Fixture flux	597lm
			Fixture efficacy	51lm/W
			LED values	11,8W / 1480lm

Grazing Washer			3000K / Ra 92	
Uniformity 73% 75% 74% 73%			Glaring	-
Em 67 lx			UGR	-
Em 96 lx			Colour deviation	2 SDCM
Em 149 lx			Fixture power	11,8W
Em 261 lx			Fixture flux	865lm
			Fixture efficacy	73lm/W
			LED values	11,8W / 1480lm

DARK MEDIUM TILT

DARK MEDIUM TILT TRIM

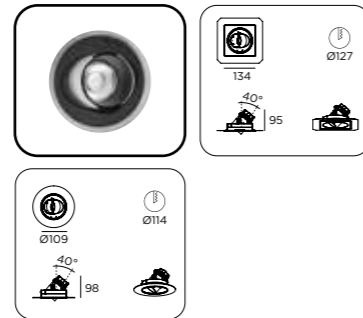


133	DARK TILT MEDIUM
+	
Version	
80	1X ROUND TRIM
81	1X SQUARE TRIM
+	
Control	
R	Remote driver
+	
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
+	
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K *
83	CRI98 3000K *
87	CRI98 3500K *
84	CRI98 4000K *
* Not available on optics V	
+	
Optic	
V	Very Narrow Spot 8°-8,2W
N	Narrow Spot 12°-18,2W
2	Elliptical Narrow Spot 18,2W
S	Spot 18°-17,3W
M	Narrow Flood 24°-17,3W
F	Flood 37°-17,3W
W	Wide Flood 51°-16,9W
6	Elliptical Wide Flood 16,9W
G	Grazing Washer 11,8W
A	Area Washer 11,8W

Accessories	
N	No accessories
V	Visor **
H	Honeycomb ***
D	Diffusing glass ***
S	Snoot ***
HD	Honeycomb + Diffusing glass ***
HE	Honeycomb + elliptical lens
HS	Honeycomb + snoot ***
HV	Honeycomb + visor ***
DS	Diffusing glass + snoot ***
DV	Diffusing glass + visor ***
HDS	Honeycomb + diffusing glass + snoot ***
HDV	Honeycomb + diffusing glass + visor ***
E	Elliptical lens ****
ES	Elliptical lens + snoot ****
EV	Elliptical lens + visor ****
HES	Honeycomb + elliptical lens + snoot ****
HEV	Honeycomb + elliptical lens + visor ****
** Not available on optics G,A *** Not available on optics 2,6,G,A **** Not available on optics N,2,W,6,G,A	

Independent accessories	
9G079	Visor
9G080	Snoot
9G082	Elliptical lens
9G083	Diffusing glass
9G084	Honeycomb
9G085	Primary ring

DARK MEDIUM TILT TRIMLESS



133	DARK TILT MEDIUM
+	
Version	
8A	1X ROUND TRIMLESS
8B	1X SQUARE TRIMLESS
+	
Control	
R	Remote driver
+	
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
+	
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K *
83	CRI98 3000K *
87	CRI98 3500K *
84	CRI98 4000K *
* Not available on optics V	
+	
Optic	
V	Very Narrow Spot 8°-8,2W
N	Narrow Spot 12°-18,2W
2	Elliptical Narrow Spot 18,2W
S	Spot 18°-17,3W
M	Narrow Flood 24°-17,3W
F	Flood 37°-17,3W
W	Wide Flood 51°-16,9W
6	Elliptical Wide Flood 16,9W
G	Grazing Washer 11,8W
A	Area Washer 11,8W

Accessories	
N	No accessories
V	Visor **
H	Honeycomb ***
D	Diffusing glass ***
S	Snoot ***
HD	Honeycomb + Diffusing glass ***
HE	Honeycomb + elliptical lens
HS	Honeycomb + snoot ***
HV	Honeycomb + visor ***
DS	Diffusing glass + snoot ***
DV	Diffusing glass + visor ***
HDS	Honeycomb + diffusing glass + snoot ***
HDV	Honeycomb + diffusing glass + visor ***
E	Elliptical lens ****
ES	Elliptical lens + snoot ****
EV	Elliptical lens + visor ****
HES	Honeycomb + elliptical lens + snoot ****
HEV	Honeycomb + elliptical lens + visor ****
** Not available on optics G,A *** Not available on optics 2,6,G,A **** Not available on optics N,2,W,6,G,A	

Independent accessories	
9G079	Visor
9G080	Snoot
9G082	Elliptical lens
9G083	Diffusing glass
9G084	Honeycomb
9G085	Primary ring

DARK MEDIUM TILT Power supply

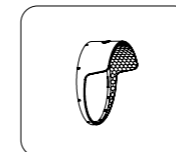
Single Head Power Supplies V (700mA)	
9D070009AL	ON-OFF, dim. 76x38x23mm, 9W, 220-240V±50/60Hz
9D070020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070036CASTC	CASAMBI, dim. 147x44x30mm 36W, 220-240V±50/60Hz
9D070020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Single Head Power Supplies N-2 (900mA)	
9D090038TC	ON-OFF, dim. 147x44x22mm 38W, 220-240V±50/60Hz
9D090038DDTC	DALI/PUSH, dim. 147x44x30mm 38W, 220-240V±50/60Hz
9D090020DATC	1-10V, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D090038CASTC	CASAMBI, dim. 147x44x30mm 38W, 220-240V±50/60Hz
9D090020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

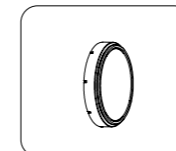
Single Head Power Supplies S-M-F-W-6 (500mA)	
9D050019AL	ON-OFF, dim. 125x38x23mm, 20W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Single Head Power Supplies G-A (350mA)	
9D035014AL	ON-OFF, dim. 125x38x23mm 14W, 220-240V±50/60Hz
9D035017DDTC	DALI, dim. 120x52x22mm 17W, 220-240V±50/60Hz
9D035018DATC	1-10V/PUSH, dim. 120x52x22mm 18W, 220-240V±50/60Hz
9D035018CASTC	CASAMBI, dim. 147x44x30mm 18W, 220-240V±50/60Hz
9D035017TFTC	PHASE CUT, dim. 120x52x22mm 17W, 220-240V±50/60Hz

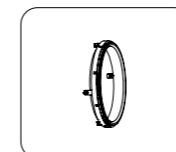
DARK MEDIUM TILT Accessories



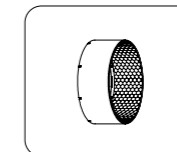
Visor
Partial rotatable glare control, necessary to shield any directional glare.



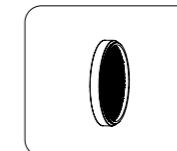
Elliptical lens
Rotatable lens to obtain the elliptical deformation of the beam, amplitude and variable characteristics depending on the chosen optical combination.



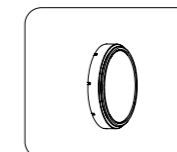
Primary ring
Primary ring that allows the housing of any accessory, to be fixed on the front of the standard ring.



Snoot
Omnidirectional glare reducer, necessary to shield any radial disturbances.

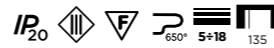


Honeycomb
Honeycomb lens, necessary to shield any radial disturbances.



Diffusing glass
Specific lens to obtain further visual diffusion.

DARK COMPACT TILT



Adjustable recessed spotlight with a compact design dedicated to professional lighting projects, designed to achieve maximum performance in the smallest size, equipped with the new Revo optical system with 'Cross-Beam' technology, it allows extraordinary efficiency and precise beam projection.

The adjustable versions guarantee inclinations up to 40 ° without any deformation of the beam or decrease in lumen output. Equipped with a unique 'anti-slot' system designed to avoid the visibility of the void space, allows us to achieve great aesthetic cleanliness and rigorous design in all directions.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio that it manages to deliver while maintaining retrospective illumination factors between wattage/power and dimensions.

The new quick-installation trimless system speeds up and facilitates the integration of the product into the plasterboard thanks to a special 3mm-thick cross-linked ring nut that guarantees precision and cleanliness of the result.

Available in single square and round, linear or angular versions, it offers a very wide range of optical options, accessories, and multiple configurations.

REVO

Very Narrow Spot			3000 K / Ra 92	
m	Ø	Lux	6°	Glaring / Darklight
1	0.11	27490		UGR <10
2	0.23	6872		Colour deviation 2 SDCM
3	0.34	3054		Fixture power 8.2 W
4	0.45	1718		Fixture flux 539.0 lm
5	0.56	1100		Fixture efficacy 66 lm/W
			IMax 27490 cd	LED values 8.2 W / 632.0 lm

Narrow Spot			3000 K / Ra 92	
m	Ø	Lux	9°	Glaring / Darklight
1	0.16	33266		UGR 0.9
2	0.32	8317		Colour deviation 2 SDCM
3	0.49	3696		Fixture power 18.2 W
4	0.65	2079		Fixture flux 1235.0 lm
5	0.81	1331		Fixture efficacy 68 lm/W
			IMax 33266 cd	LED values 18.2 W / 1490.0 lm

Spot			3000 K / Ra 92	
m	Ø	Lux	14°	Glaring / Darklight
1	0.25	26201		UGR 3.2
2	0.51	6550		Colour deviation 2 SDCM
3	0.76	2911		Fixture power 25.1 W
4	1.01	1638		Fixture flux 2128.0 lm
5	1.27	1048		Fixture efficacy 85 lm/W
			IMax 26201 cd	LED values 25.1 W / 2681.0 lm

Narrow Flood			3000 K / Ra 92	
m	Ø	Lux	23°	Glaring / Darklight
1	0.42	14229		UGR <10
2	0.83	3557		Colour deviation 2 SDCM
3	1.25	1581		Fixture power 25.1 W
4	1.66	889		Fixture flux 2348.0 lm
5	2.08	569		Fixture efficacy 94 lm/W
			IMax 14229 cd	LED values 25.1 W / 2681.0 lm

Flood			3000 K / Ra 92	
m	Ø	Lux	35°	Glaring / Darklight
1	0.63	7027		UGR 5.2
2	1.25	1757		Colour deviation 2 SDCM
3	1.88	781		Fixture power 25.1 W
4	2.51	439		Fixture flux 2343.0 lm
5	3.14	281		Fixture efficacy 93 lm/W
			IMax 7027 cd	LED values 25.1 W / 2681.0 lm

Wide Flood			3000 K / Ra 92	
m	Ø	Lux	51°	Glaring / Darklight
1	0.95	3479		UGR 14.8
2	1.89	870		Colour deviation 2 SDCM
3	2.84	387		Fixture power 24.4 W
4	3.78	217		Fixture flux 2246.0 lm
5	4.73	139		Fixture efficacy 92 lm/W
			IMax 3479 cd	LED values 24.4 W / 2884.0 lm

Elliptical Narrow Spot			3000 K / Ra 92	
m	Ø	Lux	10,3° / 34,4°	Glaring / Darklight
1	0,18x0,62	5014		UGR 3.8
2	0,36x1,24	1253		Colour deviation 2 SDCM
3	0,54x1,85	557		Fixture power 18.2 W
4	0,72x2,47	313		Fixture flux 764.0 lm
5	0,90x3,09	201		Fixture efficacy 42 lm/W
			IMax 5016 cd	LED values 18.2 W / 1490.0 lm

Elliptical Wide Flood			3000 K / Ra 92	
m	Ø	Lux	43,3° / 70,5°	Glaring / Darklight
1	1,41x0,79	1979		UGR 14.5
2	2,83x1,59	495		Colour deviation 2 SDCM
3	4,24x2,38	220		Fixture power 24.4 W
4	5,66x3,18	124		Fixture flux 1609.0 lm
5	7,07x3,97	79		Fixture efficacy 66 lm/W
			IMax 1979 cd	LED values 24.4 W / 2884.0 lm

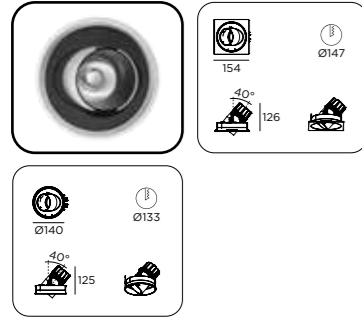
LOW CONTRAST

Area Washer			3000K / Ra 92	
Uniformity 62% 65% 72% 70%			Glaring / Darklight	
	Em 69 lx		UGR <10	Colour deviation 2 SDCM
	Em 101 lx		Fixture power 16.9W	
	Em 163 lx		Fixture flux 903.0lm	
	Em 302 lx		Fixture efficacy 53lm/W	
			LED values 16.9W / 2137.0lm	

Grazing Washer			3000K / Ra 92	
Uniformity 70% 74% 74% 71%			Glaring / Darklight	
	Em 80 lx		UGR <10	Colour deviation 2 SDCM
	Em 116 lx		Fixture power 16.9W	
	Em 178 lx		Fixture flux 1100.0lm	
	Em 311 lx		Fixture efficacy 65lm/W	
			LED values 16.9W / 2137.0lm	

DARK COMPACT TILT

DARK COMPACT TILT TRIM



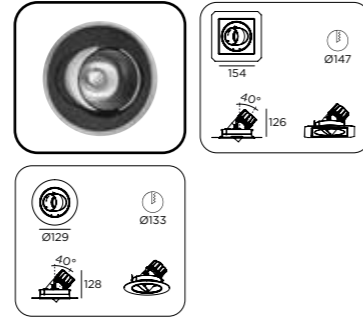
134	DARK TILT COMPACT
+	
Version	
80	1X ROUND TRIM
81	1X SQUARE TRIM
+	
Control	
R	Remote driver
+	
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
+	
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K *
83	CRI98 3000K *
87	CRI98 3500K *
84	CRI98 4000K *
* Not available on optics V	
+	
Optic	
V	Very Narrow Spot 6°-8,2W
N	Narrow Spot 9°-18,2W
2	Elliptical Narrow Spot 18,2W
S	Spot 14°-25,1W
M	Narrow Flood 23°-25,1W
F	Flood 35°-25,1W
W	Wide Flood 51°-24,4W
6	Elliptical Wide Flood 24,4W
G	Grazing Washer 16,9W
A	Area Washer 16,9W

Accessories	
N	No accessories
H	Honeycomb ***
D	Diffusing glass ***
E	Elliptical lens ****
S	Snoot ***
V	Visor **
HD	Honeycomb + Diffusing glass ***
HE	Honeycomb + elliptical lens
HS	Honeycomb + snoot ***
HV	Honeycomb + visor ***
DS	Diffusing glass + snoot ***
DV	Diffusing glass + visor ***
ES	Elliptical lens + snoot ****
EV	Elliptical lens + visor ****
HDS	Honeycomb + diffusing glass + snoot ***
HDV	Honeycomb + diffusing glass + visor ***
HES	Honeycomb + elliptical lens + snoot ****
HEV	Honeycomb + elliptical lens + visor ****

** Not available on optics G,A
 *** Not available on optics 2,6,G,A
 **** Not available on optics N,2,W,6,G,A

Independent accessories	
9G086	Visor
9G087	Snoot
9G089	Elliptical lens
9G090	Diffusing glass
9G091	Honeycomb
9G092	Primary ring

DARK COMPACT TILT TRIMLESS



134	DARK TILT COMPACT
+	
Version	
8A	1X ROUND TRIMLESS
8B	1X SQUARE TRIMLESS
+	
Control	
R	Remote driver
+	
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
+	
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K *
83	CRI98 3000K *
87	CRI98 3500K *
84	CRI98 4000K *
* Not available on optics V	
+	
Optic	
V	Very Narrow Spot 6°-8,2W
N	Narrow Spot 9°-18,2W
2	Elliptical Narrow Spot 18,2W
S	Spot 14°-25,1W
M	Narrow Flood 23°-25,1W
F	Flood 35°-25,1W
W	Wide Flood 51°-24,4W
6	Elliptical Wide Flood 24,4W
G	Grazing Washer 16,9W
A	Area Washer 16,9W

Accessories	
N	No accessories
H	Honeycomb ***
D	Diffusing glass ***
E	Elliptical lens ****
S	Snoot ***
V	Visor **
HD	Honeycomb + Diffusing glass ***
HE	Honeycomb + elliptical lens
HS	Honeycomb + snoot ***
HV	Honeycomb + visor ***
DS	Diffusing glass + snoot ***
DV	Diffusing glass + visor ***
ES	Elliptical lens + snoot ****
EV	Elliptical lens + visor ****
HDS	Honeycomb + diffusing glass + snoot ***
HDV	Honeycomb + diffusing glass + visor ***
HES	Honeycomb + elliptical lens + snoot ****
HEV	Honeycomb + elliptical lens + visor ****

** Not available on optics G,A
 *** Not available on optics 2,6,G,A
 **** Not available on optics N,2,W,6,G,A

Independent accessories	
9G086	Visor
9G087	Snoot
9G089	Elliptical lens
9G090	Diffusing glass
9G091	Honeycomb
9G092	Primary ring

DARK COMPACT TILT Power supply

Single Head Power Supplies V (700mA)	
9D070009AL	ON-OFF, dim. 76x38x23mm, 9W, 220-240V±50/60Hz
9D070020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D070036CASTC	CASAMBI, dim. 147x44x30mm 36W, 220-240V±50/60Hz
9D070020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Single Head Power Supplies S-M-F-W-6 (700mA)	
9D070031TC	ON-OFF, dim. 147x44x22mm 31W, 220-240V±50/60Hz
9D070038DDTC	DALI/PUSH, dim. 147x44x30mm 38W, 220-240V±50/60Hz
9D070032DATC	1-10V/PUSH, dim. 103x67x22mm 32W, 220-240V±50/60Hz
9D070036CASTC	CASAMBI, dim. 147x44x30mm 36W, 220-240V±50/60Hz
9D070032TFTC	PHASE CUT, dim. 166x46x34mm 32W, 220-240V±50/60Hz

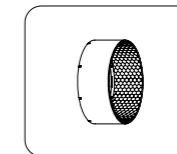
Single Head Power Supplies N-2 (900mA)	
9D090038TC	ON-OFF, dim. 147x44x22mm 38W, 220-240V±50/60Hz
9D090038DDTC	DALI/PUSH, dim. 147x44x30mm 38W, 220-240V±50/60Hz
9D090020DATC	1-10V, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D090038CASTC	CASAMBI, dim. 147x44x30mm 38W, 220-240V±50/60Hz
9D090020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

Single Head Power Supplies A-G (500mA)	
9D050019AL	ON-OFF, dim. 125x38x23mm, 20W, 220-240V±50/60Hz
9D050020DDTC	DALI, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050020DATC	1-10V/PUSH, dim. 120x52x22mm 20W, 220-240V±50/60Hz
9D050027CASTC	CASAMBI, dim. 147x44x30mm 27W, 220-240V±50/60Hz
9D050020TFTC	PHASE CUT, dim. 120x52x22mm 20W, 220-240V±50/60Hz

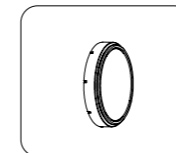
DARK COMPACT TILT Accessories



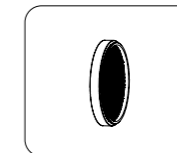
Visor
 Partial rotatable glare control, necessary to shield any directional glare.



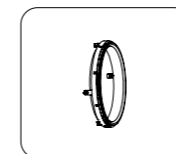
Snoot
 Omnidirectional glare reducer, necessary to shield any radial disturbances.



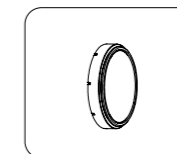
Elliptical lens
 Rotatable lens to obtain the elliptical deformation of the beam, amplitude and variable characteristics depending on the chosen optical combination.



Honeycomb
 Honeycomb lens, necessary to shield any radial disturbances.

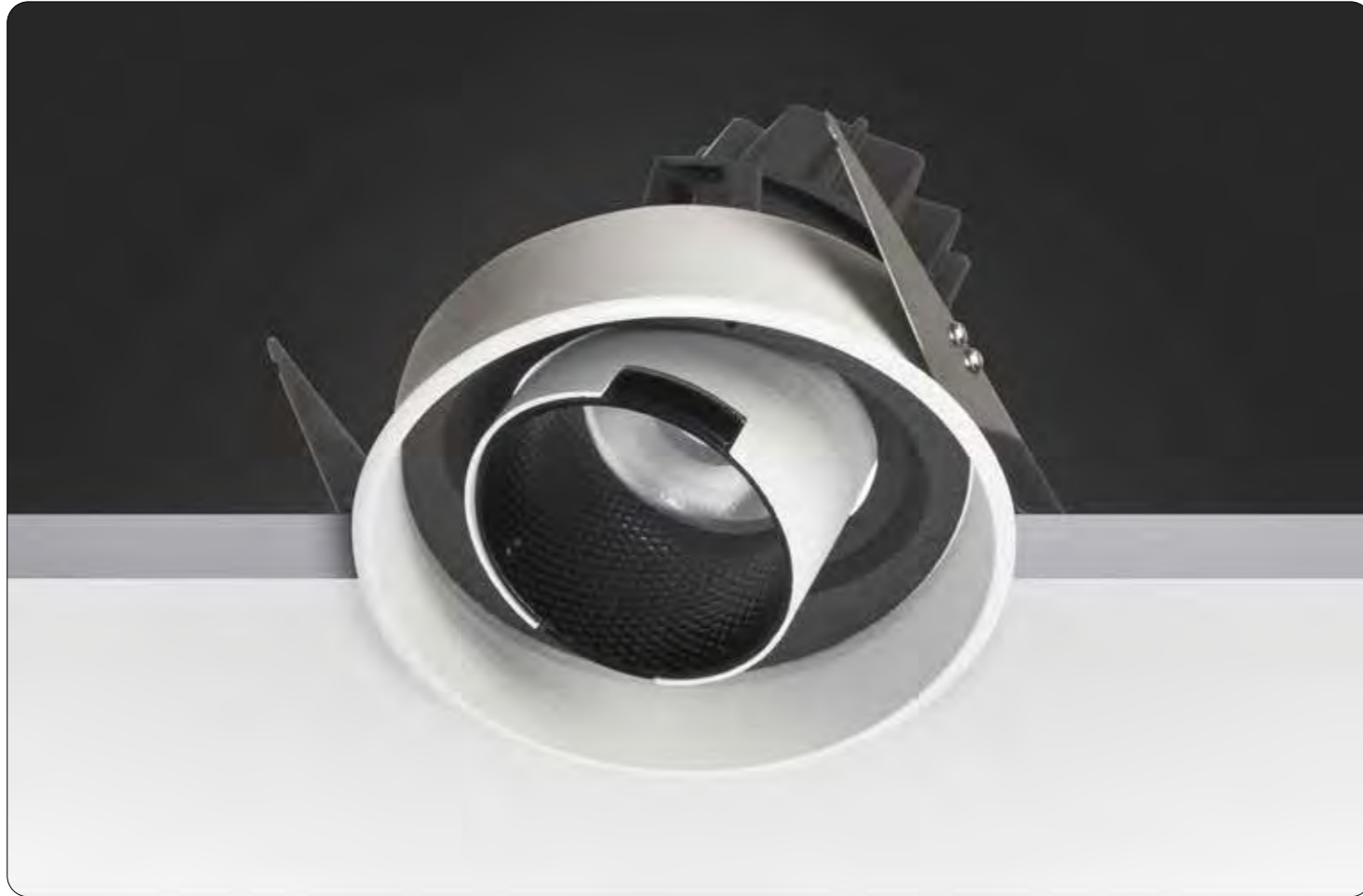
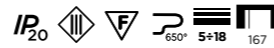


Primary ring
 Primary ring that allows the housing of any accessory, to be fixed on the front of the standard ring.



Diffusing glass
 Specific lens to obtain further visual diffusion.

DARK MAX TILT



Adjustable recessed spotlight with a compact design dedicated to professional lighting projects, designed to achieve maximum performance in the smallest size, equipped with the new Revo optical system with 'Cross-Beam' technology, it allows extraordinary efficiency and precise beam projection.

Equipped with a unique 'anti-slot' system designed to avoid the visibility of the void space, allows us to achieve great aesthetic cleanliness and rigorous design in all directions.

The Dark family in all its versions stands out for its very high visual comfort and for the Lux / Watt ratio that it manages to deliver while maintaining retrospective illumination factors between wattage/power and dimensions.

The new quick-installation trimless system speeds up and facilitates the integration of the product into the plasterboard thanks to a special 3mm-thick cross-linked ring nut that guarantees precision and cleanliness of the result.

Available in single square and round, linear or angular versions, it offers a very wide range of optical options, accessories, and multiple configurations.

REVO

Very Narrow Spot		3000 K / Ra 92	
m	Ø Lux	7°	Glaring Darklight
1	0.13 56594		UGR <10
2	0.26 14149		Colour deviation 2 SDCM
3	0.39 6288		Fixture power 17.9 W
4	0.52 3537		Fixture flux 1487.0 lm
5	0.65 2264		Fixture efficacy 83 lm/W
		IMax 56594 cd	LED values 17.9 W 1821.0 lm

Narrow Spot		3000 K / Ra 92	
m	Ø Lux	11°	Glaring Darklight
1	0.19 57921		UGR <10
2	0.37 14480		Colour deviation 2 SDCM
3	0.56 6436		Fixture power 33.1 W
4	0.74 3620		Fixture flux 2685.0 lm
5	0.93 2317		Fixture efficacy 81 lm/W
		IMax 57921 cd	LED values 33.1 W 3255.0 lm

Spot		3000 K / Ra 92	
m	Ø Lux	14°	Glaring Darklight
1	0.24 43842		UGR 0.9
2	0.47 10960		Colour deviation 2 SDCM
3	0.71 4871		Fixture power 38.2 W
4	0.95 2740		Fixture flux 3218.0 lm
5	1.19 1754		Fixture efficacy 84 lm/W
		IMax 43842 cd	LED values 38.2 W 4054.0 lm

Narrow Flood		3000 K / Ra 92	
m	Ø Lux	24°	Glaring Darklight
1	0.43 21481		UGR <10
2	0.86 5370		Colour deviation 2 SDCM
3	1.28 2387		Fixture power 35.8 W
4	1.71 1343		Fixture flux 3711.0 lm
5	2.14 859		Fixture efficacy 104 lm/W
		IMax 21481 cd	LED values 35.8 W 4560.0 lm

Flood		3000 K / Ra 92	
m	Ø Lux	35°	Glaring Darklight
1	0.63 11595		UGR 2.6
2	1.27 2899		Colour deviation 2 SDCM
3	1.90 1288		Fixture power 35.8 W
4	2.54 725		Fixture flux 3862.0 lm
5	3.17 464		Fixture efficacy 108 lm/W
		IMax 11606 cd	LED values 35.8 W 4560.0 lm

Wide Flood		3000 K / Ra 92	
m	Ø Lux	52°	Glaring Darklight
1	0.97 5890		UGR 17.0
2	1.93 1472		Colour deviation 2 SDCM
3	2.90 654		Fixture power 35.7 W
4	3.86 368		Fixture flux 3992.0 lm
5	4.83 236		Fixture efficacy 112 lm/W
		IMax 5956 cd	LED values 35.7 W 5048.0 lm

Elliptical Narrow Spot		3000 K / Ra 92	
m	Ø Lux	10,7° / 31,6°	Glaring Darklight
1	0,19x0,57 10727		UGR 4.4
2	0,38x1,13 2682		Colour deviation 2 SDCM
3	0,56x1,70 1192		Fixture power 33.1 W
4	0,75x2,27 670		Fixture flux 1634.0 lm
5	0,94x2,83 429		Fixture efficacy 49 lm/W
		IMax 10727 cd	LED values 33.1 W 3255.0 lm

Elliptical Wide Flood		3000 K / Ra 92	
m	Ø Lux	45,3° / 67,1°	Glaring Darklight
1	0,83x1,33 3341		UGR 16.2
2	1,67x2,65 835		Colour deviation 2 SDCM
3	2,50x3,98 371		Fixture power 35.7 W
4	3,33x5,30 209		Fixture flux 2781.0 lm
5	4,17x6,63 134		Fixture efficacy 78 lm/W
		IMax 3342 cd	LED values 35.7 W 5048.0 lm

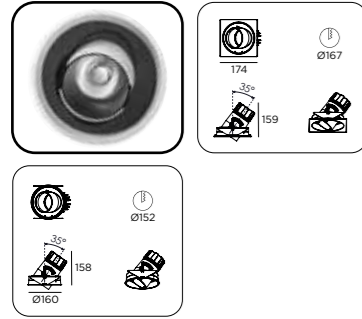
LOW CONTRAST

Grazing Washer		3000K / Ra 92	
Uniformity 66% 69% 70% 67%		Glaring -	
	Em 154 lx		UGR <10
	Em 226 lx		Colour deviation 2 SDCM
	Em 351 lx		Fixture power 31.9W
	Em 619 lx		Fixture flux 2157.0lm
			Fixture efficacy 68lm/W
		LED values 31.9W 3996.0lm	

Area Washer		3000K / Ra 92	
Uniformity 62% 67% 69% 58%		Glaring -	
	Em 137 lx		UGR <10
	Em 204 lx		Colour deviation 2 SDCM
	Em 330 lx		Fixture power 31.9W
	Em 601 lx		Fixture flux 1862.0lm
			Fixture efficacy 58lm/W
		LED values 31.9W 3996.0lm	

DARK MAX TILT

DARK MAX TILT TRIM



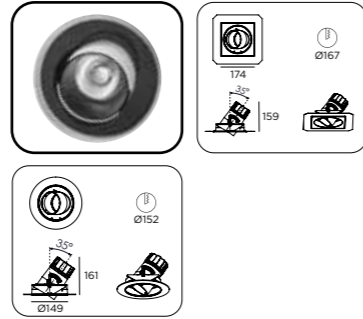
135	DARK TILT MAX
+	
Version	
80	1X ROUND TRIM
81	1X SQUARE TRIM
+	
Control	
R	Remote driver
+	
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
+	
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K
83	CRI98 3000K
87	CRI98 3500K
84	CRI98 4000K
+	
Optic	
V	Very Narrow Spot 7°-17,9W
N	Narrow Spot 11°-33,1W
2	Elliptical Narrow Spot 33,1W
S	Spot 14°-38,2W
M	Narrow Flood 24°-35,8W
F	Flood 35°-35,8W
W	Wide Flood 52°-35,7W
6	Elliptical Wide Flood 35,7W
G	Grazing Washer 31,9W
A	Area Washer 31,9W

Accessories	
N	No accessories
V	Visor **
H	Honeycomb ***
D	Diffusing glass ***
E	Elliptical lens ****
S	Snoot ***
HD	Honeycomb + Diffusing glass ***
HS	Honeycomb + snoot ***
HV	Honeycomb + visor ***
DS	Diffusing glass + snoot ***
DV	Diffusing glass + visor ***
HDS	Honeycomb + diffusing glass + snoot ***
HDV	Honeycomb + diffusing glass + visor ***
HE	Honeycomb + elliptical lens ****
ES	Elliptical lens + snoot ****
EV	Elliptical lens + visor ****
HES	Honeycomb + elliptical lens + snoot ****
HEV	Honeycomb + elliptical lens + visor ****

** Not available on optics G,A
 *** Not available on optics 2,6,G,A
 **** Not available on optics N,2,W,6,G,A

Independent accessories	
9G093	Visor
9G094	Snoot
9G096	Elliptical lens
9G097	Diffusing glass
9G098	Honeycomb
9G099	Primary ring

DARK MAX TILT TRIMLESS



135	DARK TILT MAX
+	
Version	
8A	1X ROUND TRIMLESS
8B	1X SQUARE TRIMLESS
+	
Control	
R	Remote driver
+	
Finishing	
W	Matt white txt
B	Matt black txt
9	Concrete grey
L	Gold txt
C	Copper txt
+	
CRI-CCT	
22	CRI92 2700K
23	CRI92 3000K
27	CRI92 3500K
24	CRI92 4000K
82	CRI98 2700K
83	CRI98 3000K
87	CRI98 3500K
84	CRI98 4000K
+	
Optic	
V	Very Narrow Spot 7°-17,9W
N	Narrow Spot 11°-33,1W
2	Elliptical Narrow Spot 33,1W
S	Spot 14°-38,2W
M	Narrow Flood 24°-35,8W
F	Flood 35°-35,8W
W	Wide Flood 52°-35,7W
6	Elliptical Wide Flood 35,7W
G	Grazing Washer 31,9W
A	Area Washer 31,9W

Accessories	
N	No accessories
V	Visor **
H	Honeycomb ***
D	Diffusing glass ***
E	Elliptical lens ****
S	Snoot ***
HD	Honeycomb + Diffusing glass ***
HS	Honeycomb + snoot ***
HV	Honeycomb + visor ***
DS	Diffusing glass + snoot ***
DV	Diffusing glass + visor ***
HDS	Honeycomb + diffusing glass + snoot ***
HDV	Honeycomb + diffusing glass + visor ***
HE	Honeycomb + elliptical lens ****
ES	Elliptical lens + snoot ****
EV	Elliptical lens + visor ****
HES	Honeycomb + elliptical lens + snoot ****
HEV	Honeycomb + elliptical lens + visor ****

** Not available on optics G,A
 *** Not available on optics 2,6,G,A
 **** Not available on optics N,2,W,6,G,A

Independent accessories	
9G093	Visor
9G094	Snoot
9G096	Elliptical lens
9G097	Diffusing glass
9G098	Honeycomb
9G099	Primary ring

DARK MAX TILT Power supply

Single Head Power Supplies V (1050mA)	
9D105022TC	ON-OFF, dim. 130x38x28mm, 22W, 220-240V±50/60Hz
9D105020DDEL	DALI/PUSH, dim. 151x43x28mm, 20W, 220-240V±50/60Hz
9D105020DAEL	1-10V, dim. 151x43x28mm, 20W, 220-240V±50/60Hz
9D105050CASTC	CASAMBI dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D105045TFTC	PHASE CUT, dim. 174x83x35mm, 45W, 220-240V±50/60Hz

Single Head Power Supplies M-F-W-6 (1050mA)	
9D105040TC	ON-OFF, dim. 147x44x22mm 40W, 220-240V±50/60Hz
9D105060DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 60W, 220-240V±50/60Hz
9D105050CASTC	CASAMBI dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D105045TFTC	PHASE CUT, dim. 174x83x35mm, 45W, 220-240V±50/60Hz

Single Head Power Supplies N-2 (900mA)	
9D090038TC	ON-OFF, dim. 147x44x22mm 38W, 220-240V±50/60Hz
9D090060DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 60W, 220-240V±50/60Hz
9D090047CASTC	CASAMBI dim. 124x79x22mm, 47W, 220-240V±50/60Hz
9D090040TFAC	PHASE CUT, dim166x52x25mm, 40W, 220-240V±50/60Hz

Single Head Power Supplies A-G (900mA)	
9D090038TC	ON-OFF, dim. 147x44x22mm 38W, 220-240V±50/60Hz
9D090060DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 60W, 220-240V±50/60Hz
9D090047CASTC	CASAMBI dim. 124x79x22mm, 47W, 220-240V±50/60Hz
9D090040TFAC	PHASE CUT, dim166x52x25mm, 40W, 220-240V±50/60Hz

Single Head Power Supplies S (1050mA)	
9D105050TC	ON-OFF, dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D105060DDTC	DALI/PUSH/1-10V, dim. 124x79x22mm, 60W, 220-240V±50/60Hz
9D105050CASTC	CASAMBI dim. 124x79x22mm, 50W, 220-240V±50/60Hz
9D105045TFTC	PHASE CUT, dim. 174x83x35mm, 45W, 220-240V±50/60Hz

DARK MAX TILT Accessories

Visor

Partial rotatable glare control, necessary to shield any directional glare.

Snoot

Omnidirectional glare reducer, necessary to shield any radial disturbances.

Elliptical lens

Rotatable lens to obtain the elliptical deformation of the beam, amplitude and variable characteristics depending on the chosen optical combination.

Honeycomb

Honeycomb lens, necessary to shield any radial disturbances.

Primary ring

Primary ring that allows the housing of any accessory, to be fixed on the front of the standard ring.

Diffusing glass

Specific lens to obtain further visual diffusion.

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