

RALED*SPOT*[®] RAES-120



Large Downlight

RALEDSPOT® RAES-120

RALEDSPOT® HIGH PERFORMANCE FULL COLOUR DOWN LIGHTS

Even the most of the luminaries is invisible, we keep our high end design idea and durability. With our unique rotation mechanism for 270° turning without loosen the fixture and 40° tilt angle, the **RALEDSPOT®** luminaries are the most advanced downlights at the market. Changeable beam angles based on reflector technology are providing in every application the perfect homogenous colour distribution with no colour drift all over the whole area. Integrated emergency light functions realised with the major light source have no influence at the original architectural design like other common emergency light fixtures.

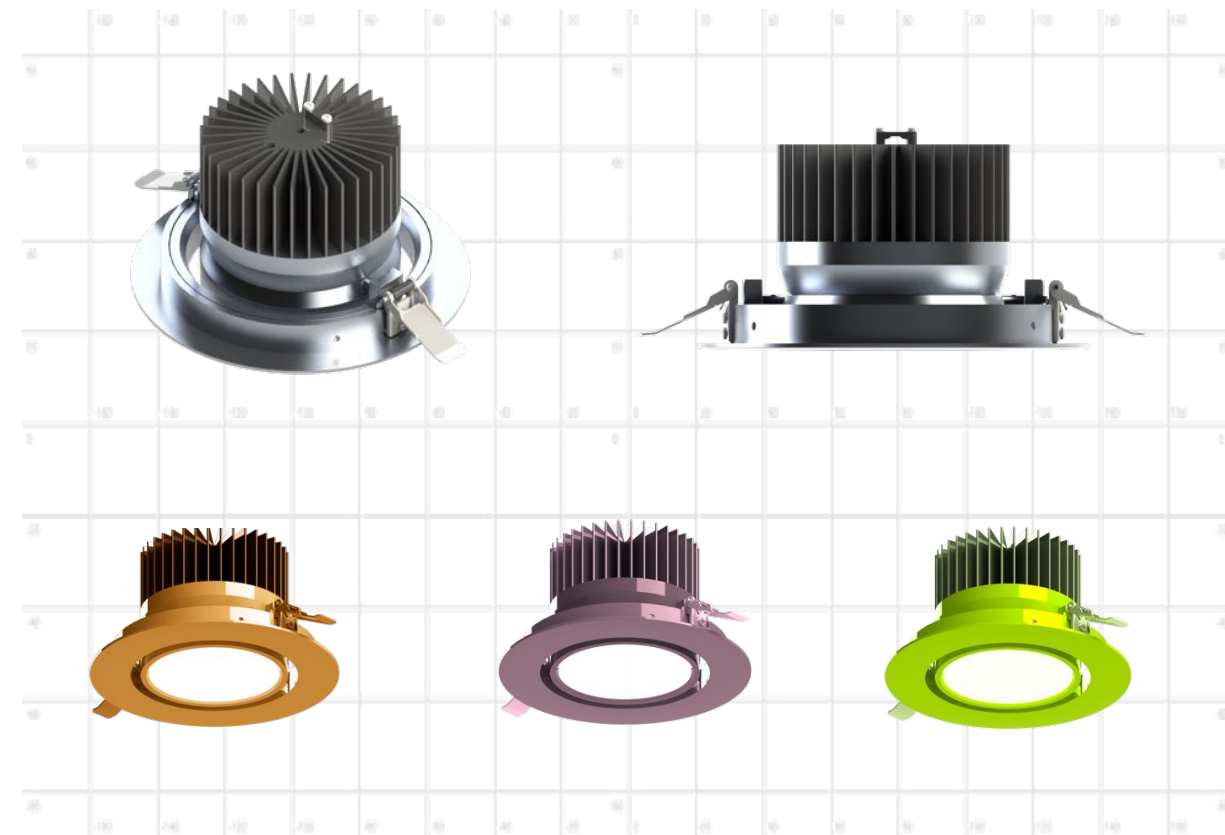
TYPICAL APPLICATIONS:

With different diameter and power ratings, the **RALEDSPOT®** luminaries are the perfect solution for every application. Full colour, single and double colour, high CRI up to 98 and special plant growing configurations are available in every size and power rating.

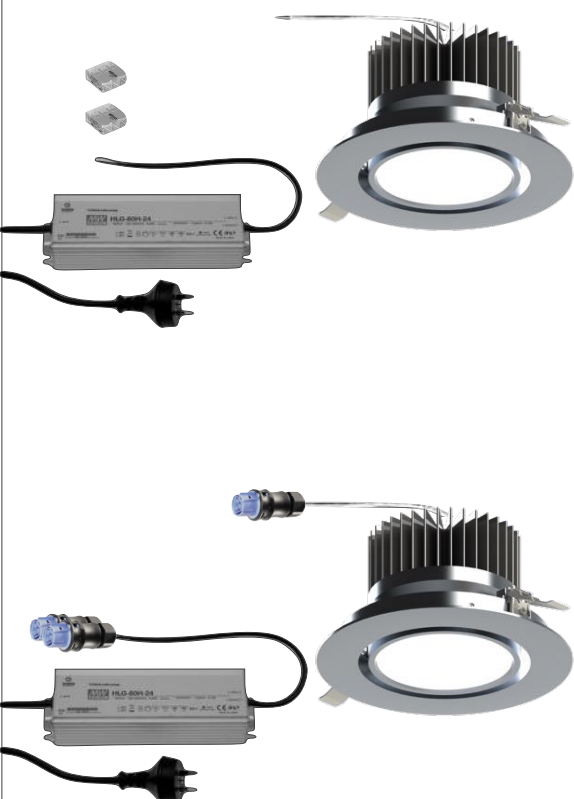
UNIQUE FEATURES:

- ✓ unibody metal housing
- ✓ stainless steel housing for under water
- ✓ changeable beam angles
- ✓ full colour

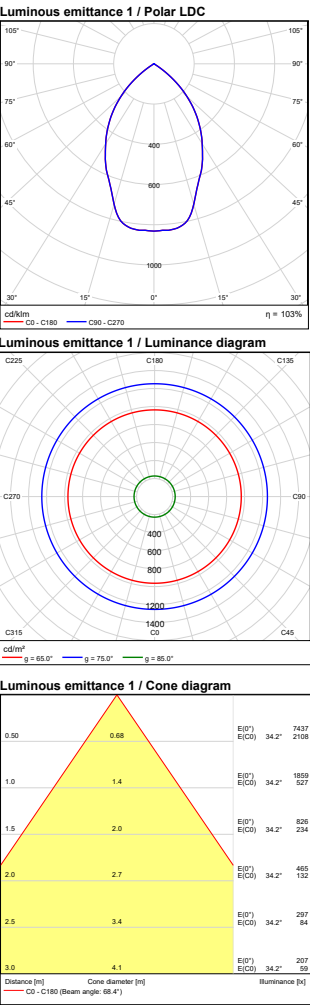
„the high-end down light“



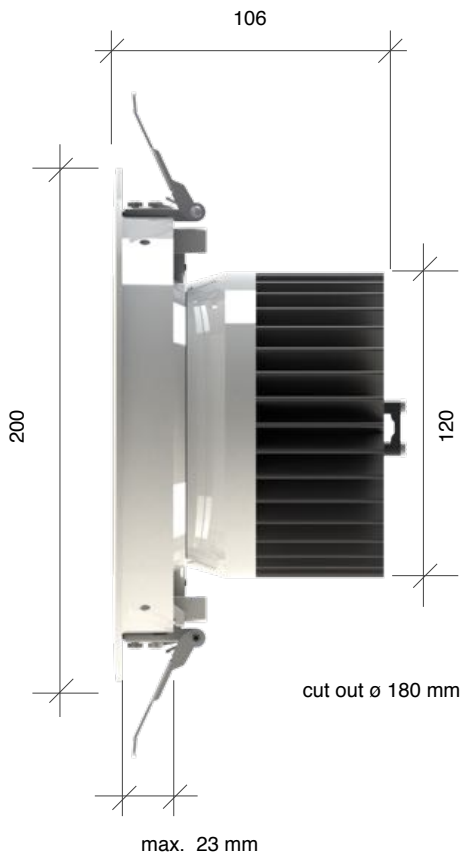
Cable connection with 2,0 m length:



Luminous emittance:



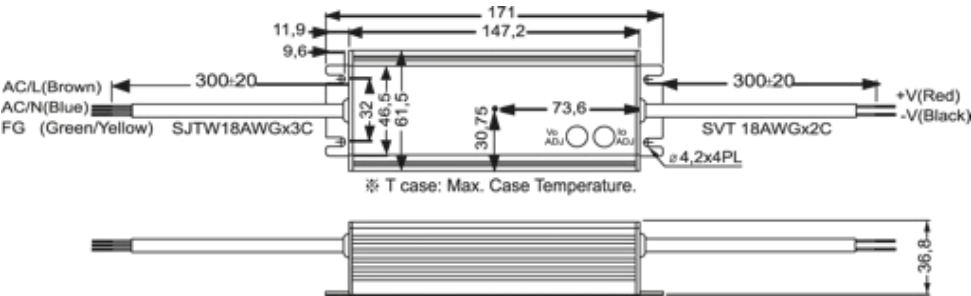
Dimensions:



COB configuration:



Power supply information:



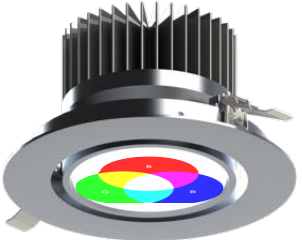





Type:	RAES-120
Cut out:	180 mm
System power (WW/NW/CW):	adjustable up to 45W
System power (RGBW):	single colour max. 42W
	total colour mix max. 45W
Operating voltage:	90-308VAC or 130-430 VDC
Operating frequency:	47 - 63 Hz
Harmonic distortion:	THD < 20%
Operating temperature:	< 60°C
Operating humidity:	10% < ϕ < 90%
Beam angle:	40 and 100°
Colour temperature (CCT):	CW / NW / WW / RGBW / R/ G/ B/ A
Special colours (Dual colour	WW, or NW, or CW with RGB ,A
Colour rendering (CRI):	>80, up to CRI 98 on request
Efficacy (WW/NW/CW)	144 Lm/ W
Efficacy (RGBW)	R=89/G=104/B=54/W=112 Lm/W
Wavelength (RGB):	R=610 / G=520 / B=470 nm
Appearance:	AL anodised and RAL coated
Protection degree / class:	IP65 / I / II or III (with ext. power supply)
Life span:	more than 80.000 hours
Control system:	DMX / DALI / 1-10V / custom
Power supply type:	HLG 60
Weight:	1,1 - 1,4 kg

RALEDSPOT® RAES-120

Sample order code:

RAES-120-WW-3000K-60-IP65-45W-AL-RAL9022-DS+PC+RA

Model Code:	Beam Angle	COB	CCT	120 (AL body)	Protection	Options
RAES-120	40°	WW	1800K	45W	IP 65	Diffuser Satin (-DS)
		WW	2700K			
		WW	3000K			
		NW	3500K			
		NW	4000K			
		CW	5000K			
		CW	6000K			Plug connection (+PC)
		RGB/WW	3000K	45W/42W in single colour		
RGB/ NW		4000K	45W			
R						
G						
B						
WW/ CW		2500K/7000K	45W	Special RAL Coating (RALxxxx)		
G/ WW		2700K				
A/ WW		2700K				
A/ NW		4000K				
A/ UV						
R/ NW		6500K				Special Eloxal Coating (ELOxxxx)
						

WW 1800K	WW 2700K	WW 3000K	NW 3500K	NW 4000K	CW 5000K	CW 6000K	RGBWW 3000K	RGBNW 4000K
RED	GREEN	BLUE	WW/CW 2500/7000K	AMBER	AMBER WW 2700K	AMBER WW 3000K	AMBER NW 4000K	AMBER RED

Standard RAL and ELOX colours:

- RAL9016 (White)/ RAL9004 (Black)
- RAL7016 (Anthracite)
- ELO E6EV1 (Silver)
- special coatings on request