

RALEDSOURCE[®] RAHS-120-1



1 Head High Bay Design Luminaires

RALEDSOURCE® RAHS 120-1

RALEDSOURCE® HIGH BAY DESIGN LUMINARIES

The only high bay industrial luminaries at the market with outstanding design and performance. Based on our unique all in one unibody design the **RALEDSOURCE®** high bay luminaries are available as 1-2-3 or 4 head version, what offers the perfect replacement solution for more or less all ratings of conventional solutions. The energy saving is enormous due to the high-end reflector technology and high performance light source. The flexible length of the heat sink is the base for perfect heat management at every rating and ambient temperatures up to 100°C. And all this benefits are coming in a very unique and perfect industrial design.

TYPICAL APPLICATIONS:

The **RALEDSOURCE®** high bay luminaries series is the perfect retrofit and illumination solution for industrial workshops and manufacturing plants even for installation levels starting from 5m up to 50m and up to 100°C ambient temperature.

UNIQUE FEATURES:

- ✓ multi head design
- ✓ pure industrial design
- ✓ changeable beam angles
- ✓ full colour
- ✓ high efficient

„the design high bay solution“



Cable connection with 2,0 m length:



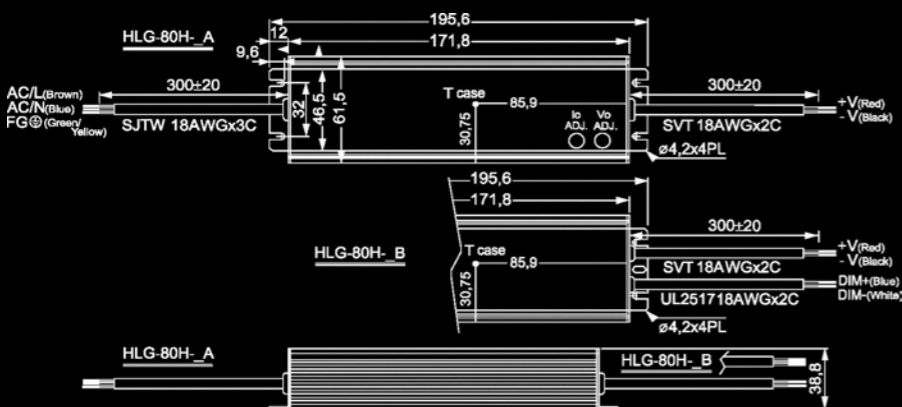
Plug connection:



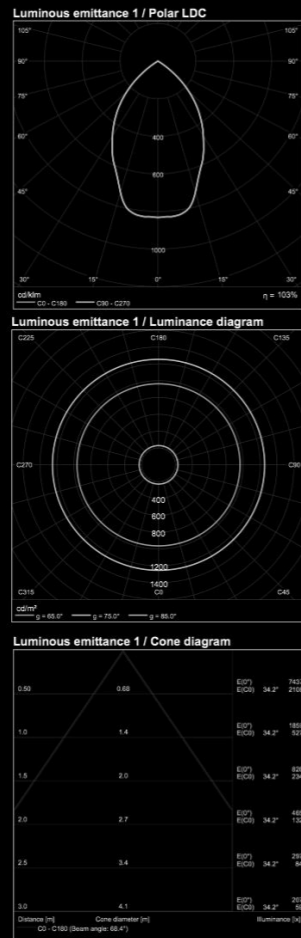
COB configuration:



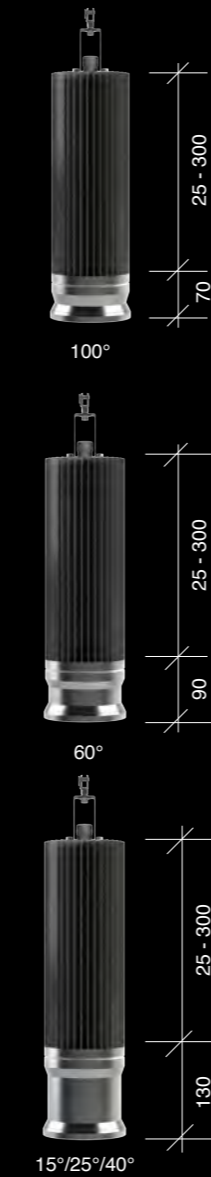
Power supply information:



Luminous emittance:



Dimensions:









Type:	RAHS-120-1
System power (WW/NW/CW):	up to 60W
System power (RGBW):	single colour max. 55W total colour mix max. 60W
Operating voltage:	90-308VAC or 130-430 VDC
Operating frequency:	47 - 63 Hz
Harmonic distortion:	THD < 20%
Operating temperature:	< 60°C / up to 100° on request
Operating humidity:	10% < ϕ < 90%
Beam angle:	15 / 25 / 40 / 60 and 100°
Colour temperature (CCT):	CW / NW / WW / RGBW / R / G / B / A
Special colours (Dual colour COB):	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, Black, Silver or RAL paint
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 80
Weight:	6,78 kg

RALEDSOURCE® RAHS-120-1

Sample order code:

RAHS-120-1-60-WW-2700K-60W-IP65-DS-RAL9022+PC+DB

Model Code:	Beam Angle	COB	CCT	60°C	100°C	Protection Degree	Options								
RAHS-120-1	 15/25/40°	WW	1800K	60W	60W	IP 65	Diffuser Satin (-DS)								
 60°		WW	2700K				60W/55W in single colour	60W	IP 65	Plug connection (+PC)					
		WW	3000K							 100°	60W	IP 65	Distribution box (+DB)		
		NW	3500K										60W	IP 65	Special RAL Coating (RALxxxx)
		NW	4000K							 100°	60W	IP 65			Special Eloxal Coating (ELOxxxx)
		CW	5000K												60W
		CW	6000K							WW/ CW	2500K/7000K	60W			
 60°	RGB/WW	3000K	60W	IP 65	 100°										
	RGB/ NW	4000K				60W	IP 65	 100°							
	R								60W	IP 65	 100°				
	G												60W	IP 65	 100°
B		60W	IP 65	 100°											
A/ WW	2700K				60W	IP 65	 100°								
A/ NW	4000K							60W	IP 65	 100°					
A/ UV											60W	IP 65	 100°		
R/ CW	6500K	60W	IP 65	 100°											

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	GREEN WW 2700K	AMBER WW 2700K	AMBER NW 4000K	AMBER UV	RED CW 6500K

Standard RAL and ELOX colours:

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

RALEDSOURCE® RAHS-120-2



2 Heads High Bay Design Luminaires

RALEDSOURCE® RAHS-120-2

RALEDSOURCE® HIGH BAY DESIGN LUMINARIES

The only high bay industrial luminaires at the market with outstanding design and performance. Based on our unique all in one unibody design the **RALEDSOURCE®** high bay luminaires are available as 1-2-3 or 4 head version, what offers the perfect replacement solution for more or less all ratings of conventional solutions. The energy saving is enormous due to the high-end reflector technology and high performance light source. The flexible length of the heat sink is the base for perfect heat management at every rating and ambient temperatures up to 100°C. And all this benefits are coming in a very unique and perfect industrial design.

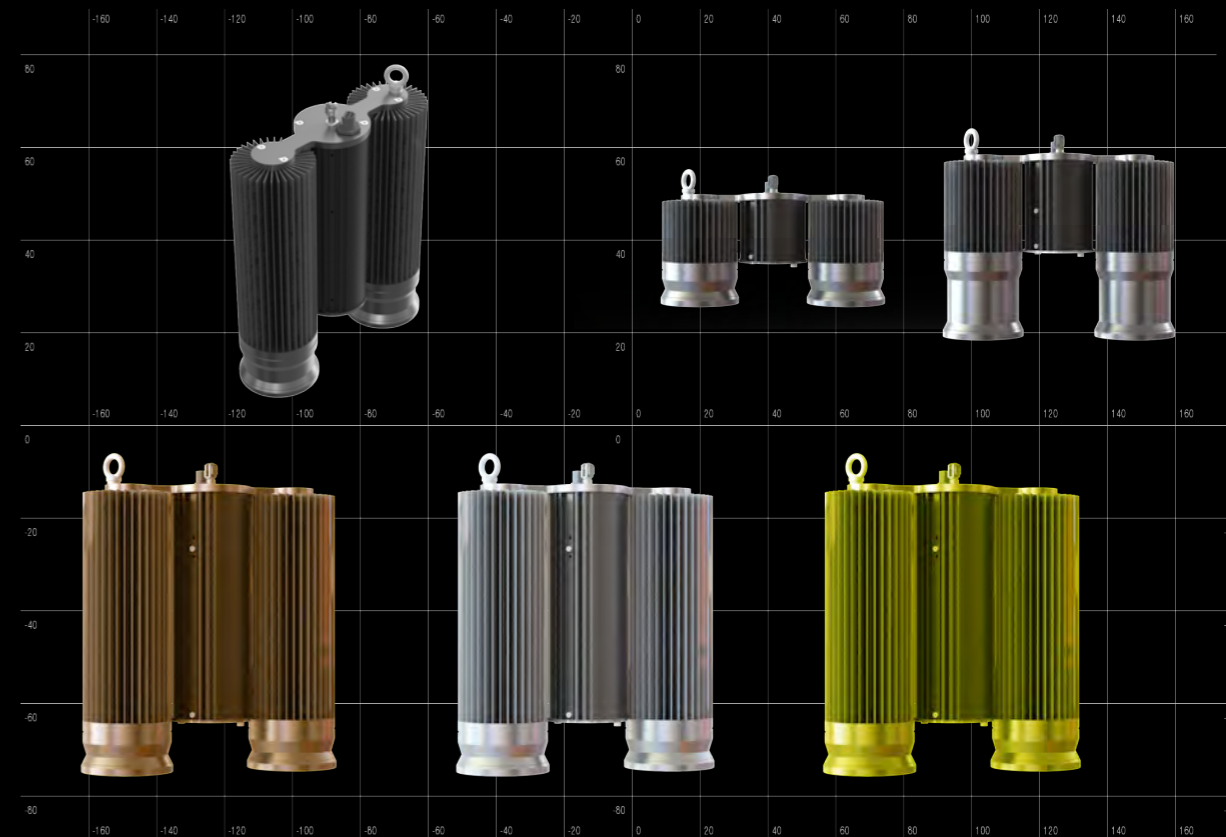
TYPICAL APPLICATIONS:

The **RALEDSOURCE®** high bay luminaires series is the perfect retrofit and illumination solution for industrial workshops and manufacturing plants even for installation levels starting from 5m up to 50m and up to 100°C ambient temperature.

UNIQUE FEATURES:

- ✓ multi head design
- ✓ pure industrial design
- ✓ changeable beam angles
- ✓ full colour
- ✓ high efficient

„the design high bay solution“



Plug / Cable connection with 2,0 m length:



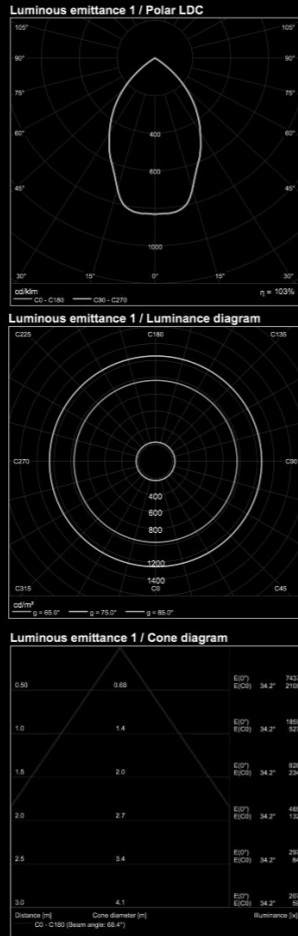
Plug / Plug connection:



COB configuration:



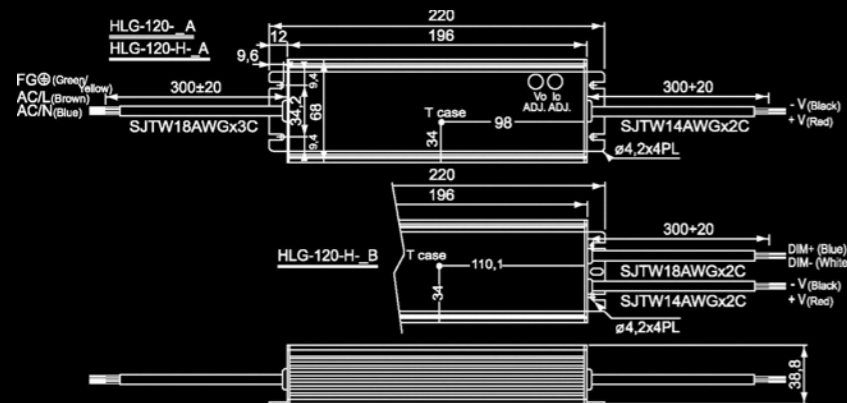
Luminous emittance:



Dimensions:



Integrated power supply information:




Type:	RAHS-120-2
System power (WW/NW/CW):	up to 120W
System power (RGBW):	single colour max. 55W/ head total colour mix max. 60W/ head
Operating voltage:	90-308VAC or 130-430 VDC
Operating frequency:	47 - 63 Hz
Harmonic distortion:	THD < 20%
Operating temperature:	< 60°C / up to 100° on request
Operating humidity:	10% < φ < 90%
Beam angle:	15 / 25 / 40 / 60 and 100°
Colour temperature (CCT):	CW / NW / WW / RGBW / R/ G/ B/ A
Special colours (Dual colour COB):	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, Black, Silver or RAL paint
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 120
Weight:	12 kg

RALEDSOURCE® RAHS-120-2

Sample order code:

RAHS-120-2-60-WW-2700K-120W-IP65-DS-RAL9022+PC+DB

Model Code:	Beam Angle	COB	CCT	60°C	100°C	Protection Degree	Options			
RAHS-120-2	 15/25/40°	WW	1800K	120W	120W	IP 65	Diffuser Satin (-DS)			
		WW	2700K				120W/55W in single colour	120W	IP 65	 Plug connection (+PC)
		WW	3000K							
		NW	3500K							
		NW	4000K							
		CW	5000K							
		CW	6000K							
	RGB/WW	3000K	120W	120W	IP 65	 Distribution box (+DB)				
RGB/ NW	4000K									
R										
	60°	G		120W	120W	IP 65	 Special RAL Coating (RALxxxx)			
		B								
		WW/ CW	2500K/7000K							
	100°	G/ WW	2700K	120W	120W	IP 65	 Special Eloxal Coating (ELOxxxx)			
		A/ WW	2700K							
		A/ NW	4000K							
		A/ UV								
R/ CW	6500K									

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	GREEN WW 2700K	AMBER WW 2700K	AMBER NW 4000K	AMBER UV	RED CW 6500K

Standard RAL and ELOX colours:

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

RALEDSOURCE® RAHS-120-3



3 Heads High Bay Design Luminaires

RALEDSOURCE® RAHS-120-3

RALEDSOURCE® HIGH BAY DESIGN LUMINARIES

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TYPICAL APPLICATIONS:

The **RALEDSOURCE®** high bay luminaires series is the perfect retrofit and illumination solution for industrial workshops and manufacturing plants even for installation levels starting from 5m up to 50m and up to 100°C ambient temperature.

UNIQUE FEATURES:

- ✓ multi head design
- ✓ pure industrial design
- ✓ changeable beam angles
- ✓ full colour
- ✓ high efficient

„the design high bay solution“



Plug / Cable connection with 2,0 m length:



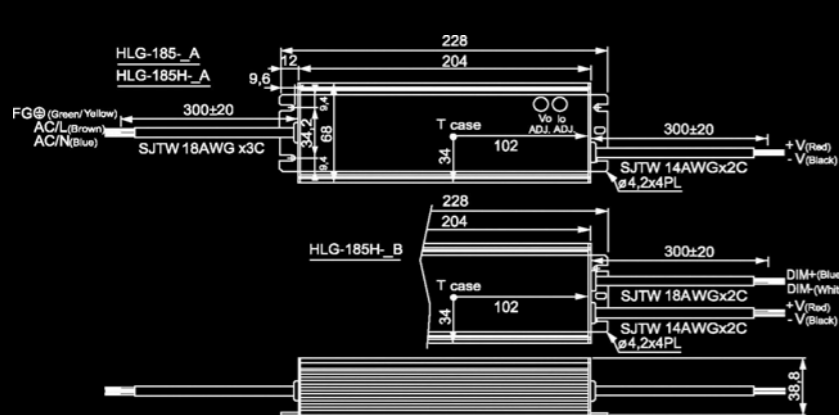
Plug / Plug connection:



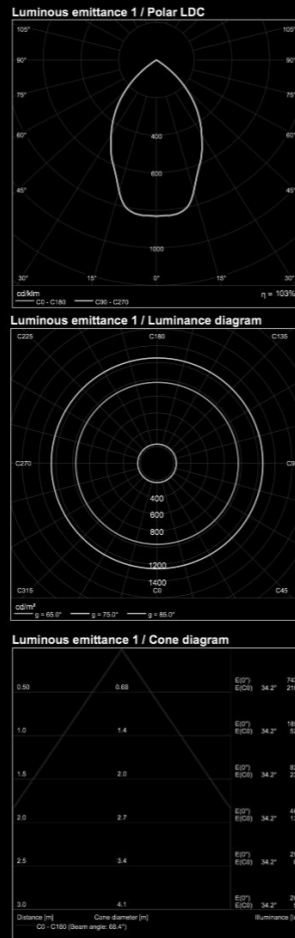
COB configuration:



Integrated power supply information:



Luminous emittance:



Dimensions:





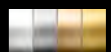


Type:	RAHS-120-3
System power (WW/NW/CW):	up to 180W
System power (RGBW):	single colour max. 55W/ head total colour mix max. 60W/ head
Operating voltage:	90-308VAC or 130-430 VDC
Operating frequency:	47 - 63 Hz
Harmonic distortion:	THD < 20%
Operating temperature:	< 60°C / up to 100° on request
Operating humidity:	10% < φ < 90%
Beam angle:	15 / 25 / 40 / 60 and 100°
Colour temperature (CCT):	CW / NW / WW / RGBW / R/ G/ B/ A
Special colours (Dual colour COB):	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, Black, Silver or RAL paint
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 185
Weight:	16,5 kg

RALEDSOURCE® RAHS-120-3

Sample order code:

RAHS-120-3-60-WW-2700K-180W-IP65-DS-RAL9022+PC+DB

Model Code:	Beam Angle	COB	CCT	60°C	100°C	Protection Degree	Options	
	15/25/40° 	WW	1800K	180W	180W	IP 65	Diffuser Satin (-DS) 	
		WW	2700K				Plug connection (+PC) 	
		WW	3000K					
		NW	3500K					
		NW	4000K					
		CW	5000K					
	CW	6000K						
		60° 	RGB/WW	3000K	180W/55W in single colour		180W	Distribution box (+DB) 
			RGB/ NW	4000K				
			R					
		100° 	G		180W			
			B					
WW/ CW			2500K/7000K	180W		Special RAL Coating (RALxxxx) 		
G/ WW			2700K					
A/ WW			2700K					
A/ NW			4000K					
A/ UV								
R/ CW	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	GREEN WW 2700K	AMBER WW 2700K	AMBER NW 4000K	AMBER UV	RED CW 6500K

Standard RAL and ELOX colours:

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

RALEDSOURCE® RAHS-120-4



4 Heads High Bay Design Luminaires

RALEDSOURCE® RAHS-120-4

RALEDSOURCE® HIGH BAY DESIGN LUMINARIES

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TYPICAL APPLICATIONS:

The **RALEDSOURCE®** high bay luminaires series is the perfect retrofit and illumination solution for industrial workshops and manufacturing plants even for installation levels starting from 5m up to 50m and up to 100°C ambient temperature.

UNIQUE FEATURES:

- ✓ multi head design
- ✓ pure industrial design
- ✓ changeable beam angles
- ✓ full colour
- ✓ high efficient

„the design high bay solution“



Plug / Cable connection with 2,0 m length:



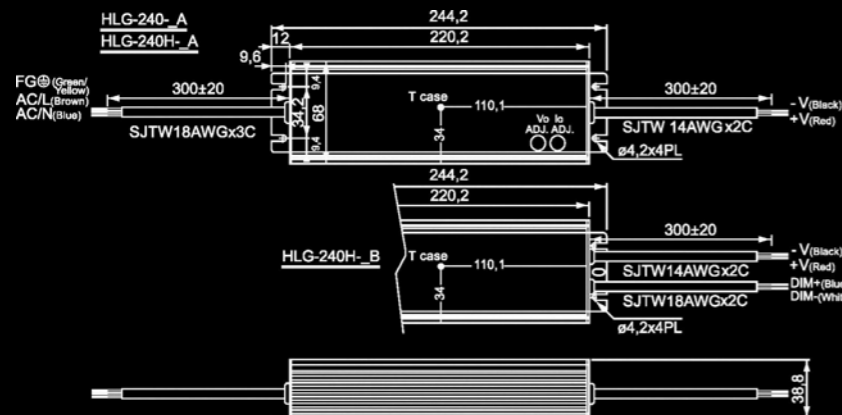
Plug / Plug connection:



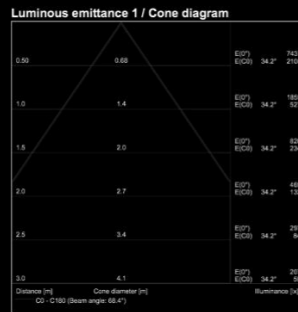
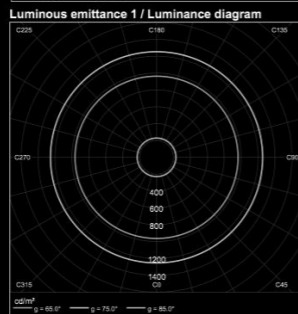
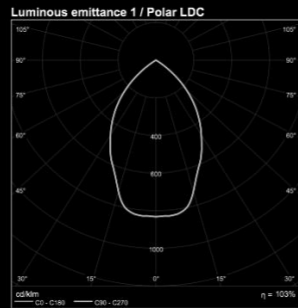
COB configuration:



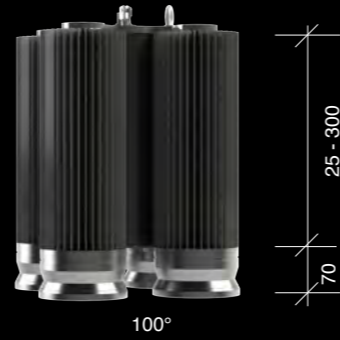
Integrated power supply information:



Luminous emittance:



Dimensions:





Type:	RAHS-120-4
System power (WW/NW/CW):	up to 240W
System power (RGBW):	single colour max. 55W/ head total colour mix max. 60W/ head
Operating voltage:	90-308VAC or 130-430 VDC
Operating frequency:	47 - 63 Hz
Harmonic distortion:	THD < 20%
Operating temperature:	< 60°C / up to 100° on request
Operating humidity:	10% < φ < 90%
Beam angle:	15 / 25 / 40 / 60 and 100°
Colour temperature (CCT):	CW / NW / WW / RGBW / R / G / B / A
Special colours (Dual colour COB):	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, Black, Silver or RAL paint
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 240
Weight:	20,9 kg



RALEDSOURCE® RAHS-120-4

Sample order code:

RAHS-120-4-60-WW-2700K-240W-IP65-DS-RAL9022+PC+DB

Model Code:	Beam Angle	COB	CCT	60°C	100°C	Protection Degree	Options								
	15/25/40° 	WW	1800K	240W	240W	IP 65	Diffuser Satin (-DS)								
		WW	2700K				240W/55W in single colour	240W							
		WW	3000K						240W	240W	Plug connection (+PC)				
		NW	3500K								240W	240W			
		NW	4000K										240W/55W in single colour	240W	Distribution box (+DB)
		CW	5000K												240W
	CW	6000K	240W	240W	Special RAL Coating (RALxxxx)										
	RGB/WW	3000K			240W		240W								
	RGB/ NW	4000K							240W	240W					
	R										240W	240W			
	G												240W	240W	
	B														240W
WW/ CW	2500K/7000K	240W	240W												
G/ WW	2700K			240W	240W										
A/ WW	2700K					240W	240W								
A/ NW	4000K							240W	240W						
A/ UV										240W	240W				
R/ CW	6500K											240W	240W		

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	GREEN WW 2700K	AMBER WW 2700K	AMBER NW 4000K	AMBER UV	RED CW 6500K

- Standard RAL and ELOX colours:
- RAL9016 (White)/ RAL9004 (Black)
 - RAL7016 (Anthracite)
 - ELO E6EV1 (Silver)
 - special coatings on request