

# **RALEDLITE®** RLL-1500 HD



High Power linear light system

# RALEDLITE® RLL-1500 HD

## RALEDLITE® HIGH POWER LINEAR LIGHTS SYSTEM

Following our design idea of an all in one system we developed a very unique linear light fixture. The very slim and pure industrial design offers a various range of benefits, like very wide beam angle, plug connection and mounting without tools. In addition the diffuser comes in different configurations, like clear polycarbonate version for maximum light output, stain version for better distribution and ripped version for dazzle reduction. Even aluminium coated or anodised versions are available as filler in between long light lines. The light line can also be equipped with special function modules for data-, power-, or even compressed air outlets.

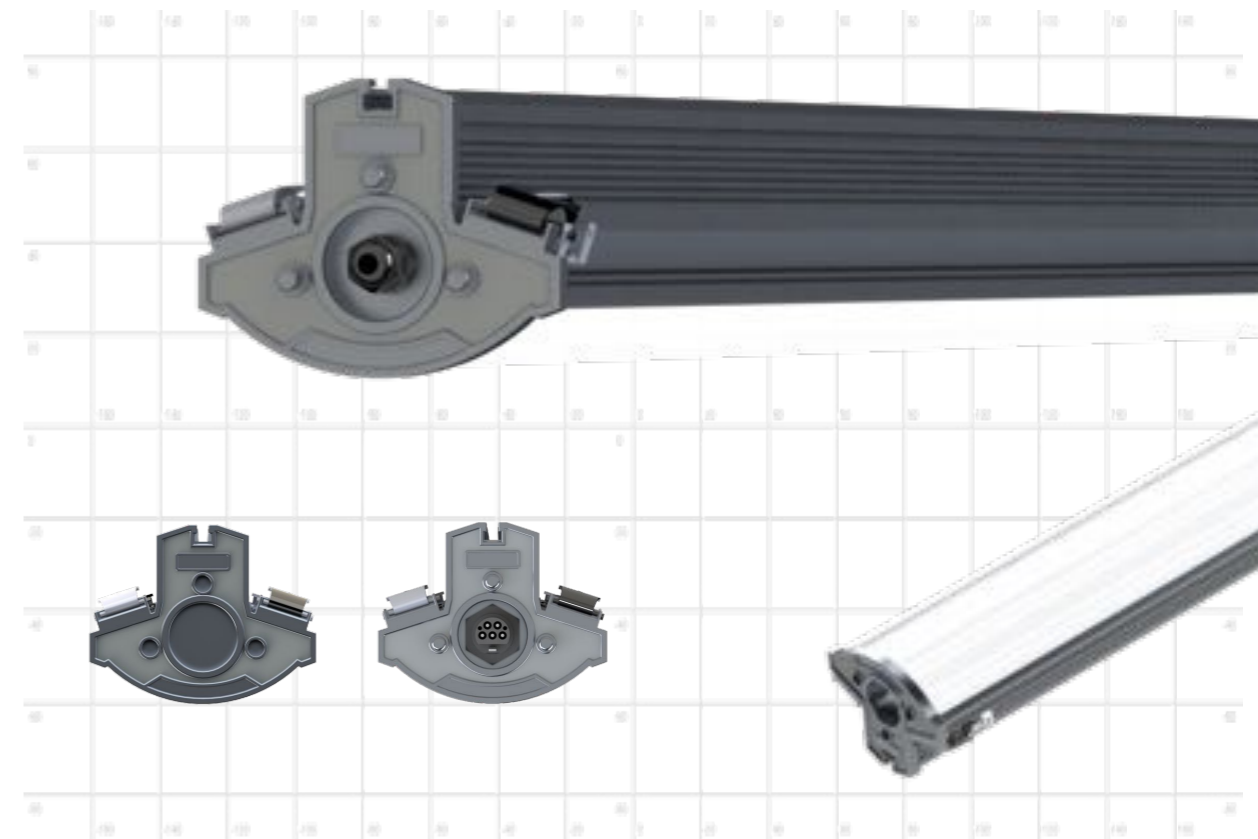
### TYPICAL APPLICATIONS:

The **RALEDLITE®** luminaires are mainly used for general illumination tasks at industrial environments with ceiling height of less than 10m. As tuneable white, full colour or even with special LED board configurations the field of applications is very wide. Especially at quality control workplaces we are able to provide very specialised versions, matching 100% the customers requirements.

### UNIQUE FEATURES:

- ✓ durable housing
- ✓ ultra high performance
- ✓ wide beam angles
- ✓ full colour
- ✓ high efficient

*„the all in one linear light“*



Internal power supply:

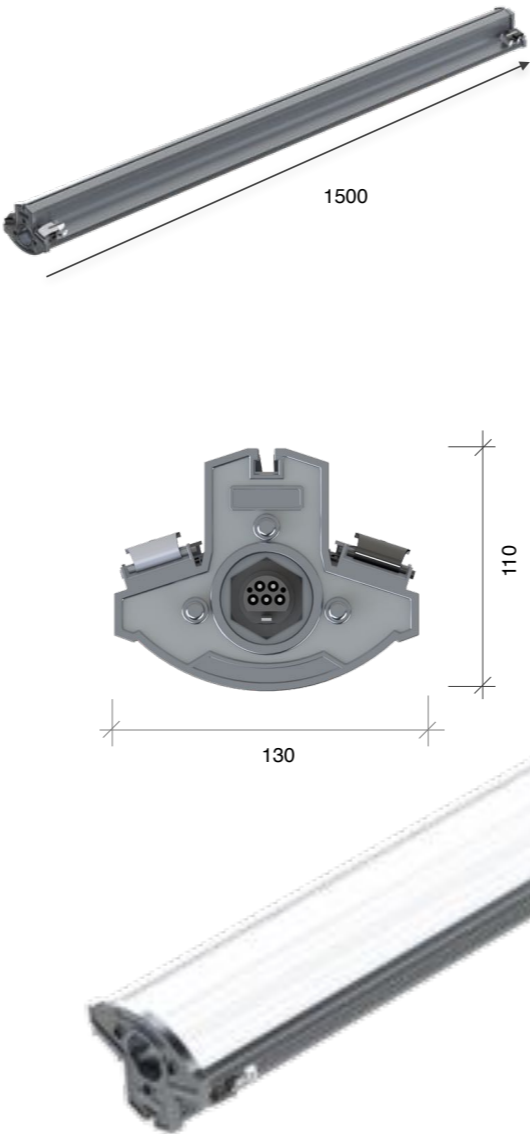
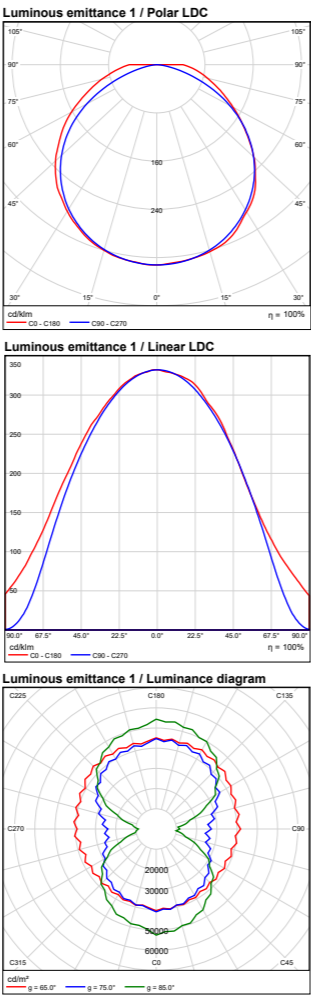
Luminous emittance:

Dimensions:

External power supply:

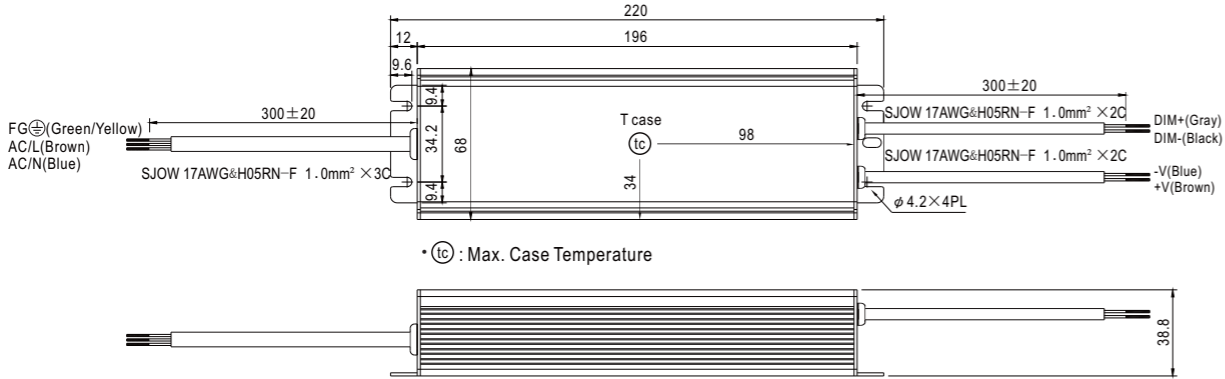
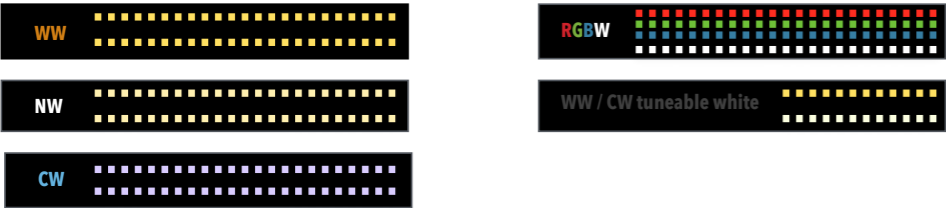
LED board configuration:

Power supply information (external):



dazzle free strip polycarbonate diffuser





Type:	RLL-1500 HD
System power (WW/NW/CW):	up to 240W
System power (RGBW):	single colour max. 180W
	total colour mix max. 220W
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:	140°
Color temperature (CCT):	CW / NW / WW / RGBW
Special colours (Dual colour	NW with RGB , WW+CW
Color rendering (CRI):	>80, up to CRI 98 on request
Efficacy (WW/NW/CW)	165 Lm/ W and 204 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 or 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:	HLG60 / HLG80 / HLG120/ HLG240
Weight:	8,46 kg

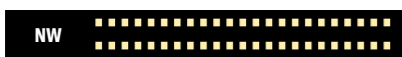


# RALED*LITE*® RLL-1500 HD

Sample order code:

RLL-1500-HD-WW-3000K-110W-RAL7016-DS+PC

Model Code:	COB	CCT	1500-HD					Options	
RLL-1500HD			53W	78W	110W	170W	240W	Diffuser Satin (-DS)	
								Plug connection (+PC)	
	WW	3000K							
	NW	4000K							
	CW	5000K							
	RGB/WW	3000K	53W	78W	110W	170W	220W/180W in single colour	Line Plug (+LP)	
	RGB/ NW	4000K							
	WW/ CW	2500K/7000K	53W	78W	110W	170W	240W	Y-Hanger (+YH)	
								Eye screws (+ES)	



Standard RAL and ELOX colours:

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

# **RALEDLITE®** RLL-1500 PC



Medium Power linear light system

# RALEDLITE® RLL-1500 PC

## RALEDLITE® MEDIUM POWER LINEAR LIGHTS SYSTEM

The PC version of our high-end linear light system provides almost the same functionality like the HD version, only at very slim industrial design and thus a reduced power. In addition this version can be equipped with special reflector systems for narrow beam angles, used for high storage or advertising display illumination applications. The wide range of LED board configurations leads into a very high usability even at very unique applications like plant growing and animal husbandry.

### TYPICAL APPLICATIONS:

The **RALEDLITE®** luminaires are mainly used for general illumination tasks at industrial environments, plant growing and advertising display illumination applications. It provides also a perfect solution for parking lots.

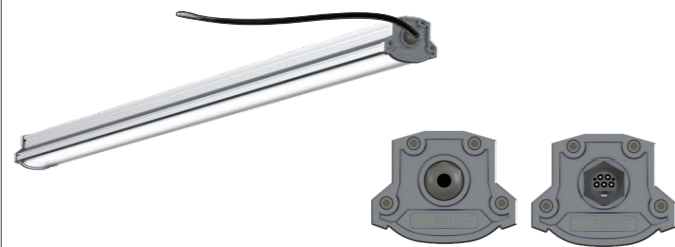
### UNIQUE FEATURES:

- ✓ durable housing
- ✓ high performance
- ✓ wide and narrow beam angles
- ✓ full colour
- ✓ high efficient

*„the economic linear light system“*



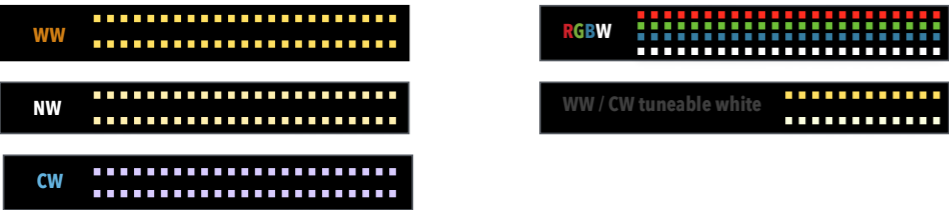
Internal power supply:



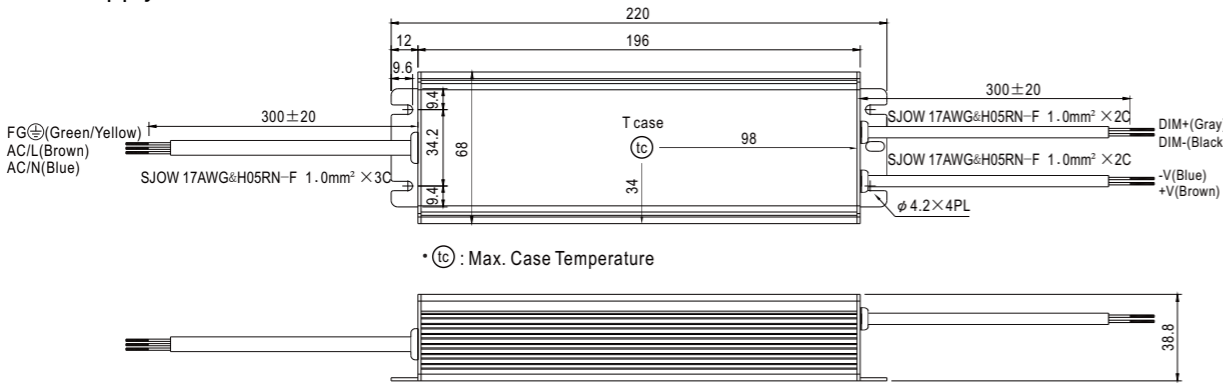
External power supply:



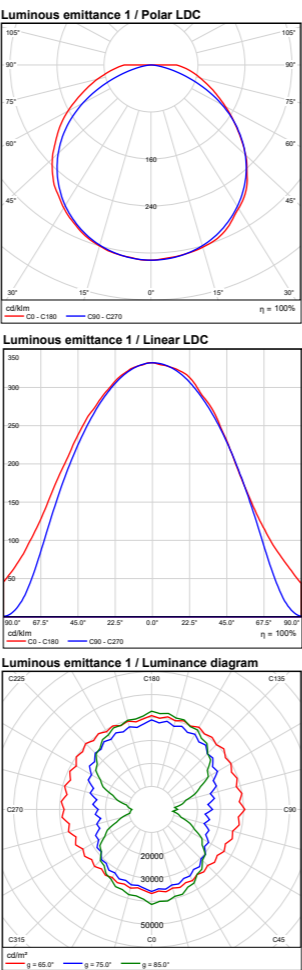
LED board configuration:



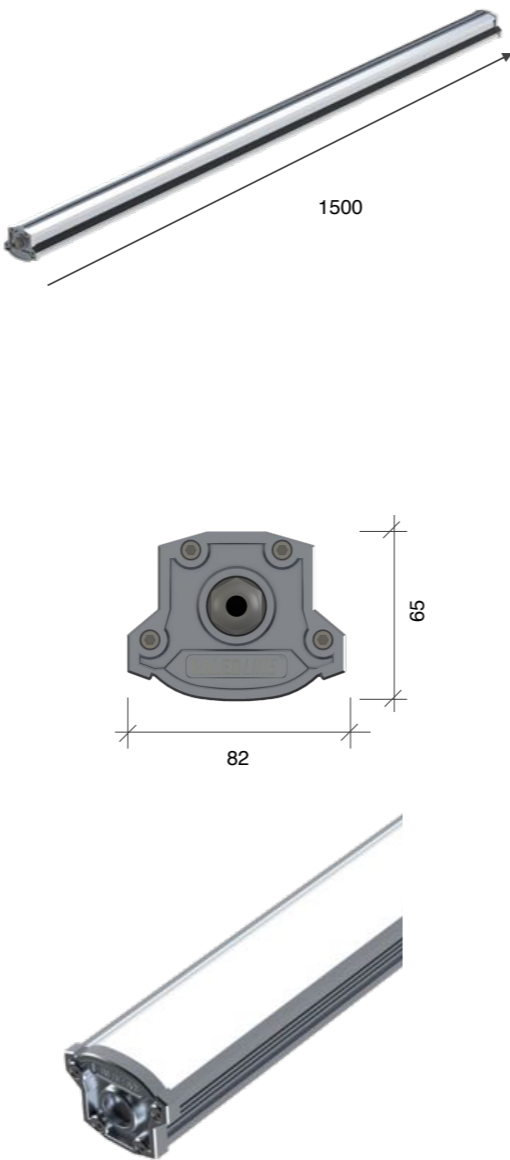
Power supply information (external):



Luminous emittance:



Dimensions:








dazzle free strip polycarbonate diffuser

Type:	RLL-1500 PC
System power (WW/NW/CW):	up to 110W
System power (RGBW):	single colour max. 30W/ head
	total colour mix max. 100W/ head
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:	30° / 120°
Color temperature (CCT):	CW / NW / WW / RGBW
Special colours (Dual colour	NW with RGB , WW+CW
Color rendering (CRI):	>80, up to CRI 98 on request
Efficacy (WW/NW/CW)	154 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 or 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:	LPf60
Weight:	4,82 kg

# RALEDLITE® RLL-1500 PC

Sample order code:

RLL-1500-PC-WW-3000K-110W-RAL7016-DS+PC

Model Code:	COB	CCT	1500-PC					Options
RLL-1500PC			30W	53W	78W	98W	110W	Diffuser Satin (-DS)
								
	WW	3000K						
								Plug connection (+PC)
	NW	4000K						
	CW	5000K						
	RGB/WW	3000K	30W	53W	78W	98W	100W/30W in single colour	
	RGB/ NW	4000K						
								Line Plug (+LP)
	WW/ CW	2500K/7000K	30W	53W	78W	98W	110W	
								Y-Hanger (+YH)
								Eye screws (+ES)

WW 

NW 

CW 

RGBW 

WW / CW tuneable white 

Standard RAL and ELOX colours:

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

# **RALED***CLUSTER*® RLLC-50\_-HD



HD Cluster High Bay Luminaires

# RALEDCLUSTER® RLLC-50\_ HD

## RALEDCLUSTER® HIGH POWER CLUSTER LIGHTS

Based on our high performance linear lights the cluster version comes with the same high performance and durability only in an other arrangement. This cluster version is mainly used for one to one replacement of common high bay fixtures as alternative to our design high bay solutions. With the wide beam angel the uniformity is perfect, compared to other solutions on the market. With special light board configurations like full colour, dual colour and high performance boards new applications, like tunnel one to one replacement are possible. Integrated emergency light functions are also available, even in combination with special fixture colours.

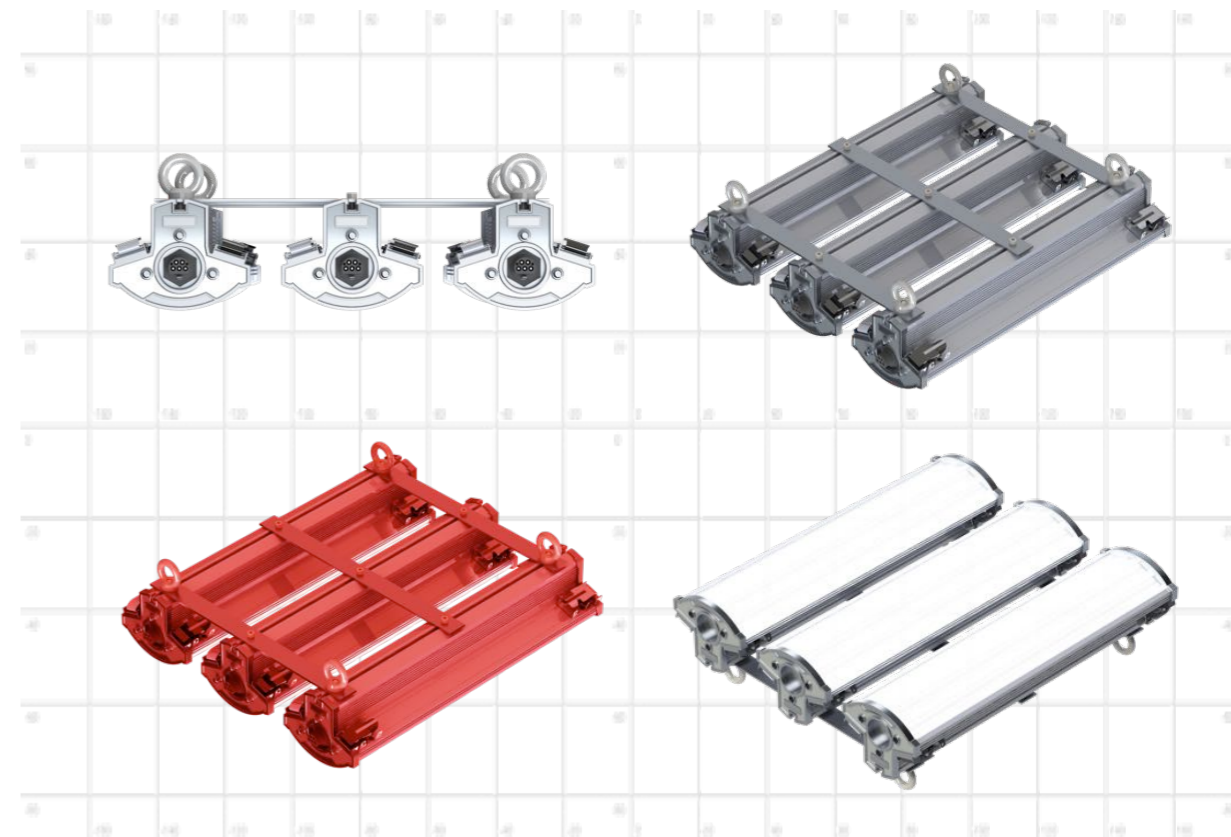
### TYPICAL APPLICATIONS:

The **RALEDCLUSTER®** luminaries are mainly used for one to one high bay replacements, tunnel lights and are a perfect solution for economic general light applications, even with emergency light function.

### UNIQUE FEATURES:

- ✓ durable housing
- ✓ high performance
- ✓ wide beam angles
- ✓ full colour
- ✓ high efficient

*„the economic high bay retrofit“*



Technical drawing of the 3D printer bed assembly. The drawing shows a perspective view of the bed with dimensions 508 and 471 indicated by arrows.

WW

NW

CW

dazzle free strip polycarbonate diffuser






[illegible]

Type:	RLLC-50_ HD
Number of heads:	1/2/ 3/ 4/ 5
System power (WW/NW/CW):	up to 300W
System power (RGBW):	single colour max. 240W
	total colour mix max. 280W
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:	140°
Color temperature (CCT):	CW / NW / WW / RGBW
Special colours (Dual colour	NW with RGB , WW+CW
Color rendering (CRI):	>80, up to CRI 98 on request
Efficacy (WW/NW/CW)	144 Lm/ W and 204 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 or 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:	HLG60 / HLG80 / HLG120
Weight:	2,8kg * x

# RALEDCLUSTER® RLLC-50\_-HD

Sample order code:

RLLC-503-HD-WW-3000K-110W-RAL7016-DS+PC

Model Code:	COB	CCT	501-HD	-502-HD	503-HD	504-HD	505-HD	Options
RLLC-50_-HD								Diffuser Satin (-DS)
			60W	120W	180W	240W	300W	
	WW	3000K						Plug connection (+PC)
	NW	4000K						
	CW	5000K						
								
	RGB/WW	3000K	56W/48W in single colour	112W/96W in single colour	168W/144W in single colour	224W/192W in single colour	280W/240W in single colour	Line Plug (+LP)
	RGB/ NW	4000K						
								
	WW/ CW	2500K/7000K	60W	120W	180W	240W	300W	Y-Hanger (+YH)
								Eye screws (+ES)



Standard RAL and ELOX colours:

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

**RALED***CLUSTER*® RLLC-50\_-PC



PC Cluster High Bay Luminaries

# RALEDCLUSTER® RLLC-50\_PC

## RALEDCLUSTER® MEDIUM POWER CLUSTER LIGHTS

Based on our high performance line lights the cluster version comes with the same high performance and durability only in a other arrangement. This cluster version is mainly used for one to one replacement of common high bay fixtures as alternative to our design high bay solutions. With the wide beam angel the uniformity is perfect, compared to other solutions on the market. With special light board configurations like full colour, dual colour and high performance boards new applications, like tunnel one to one replacement are possible.

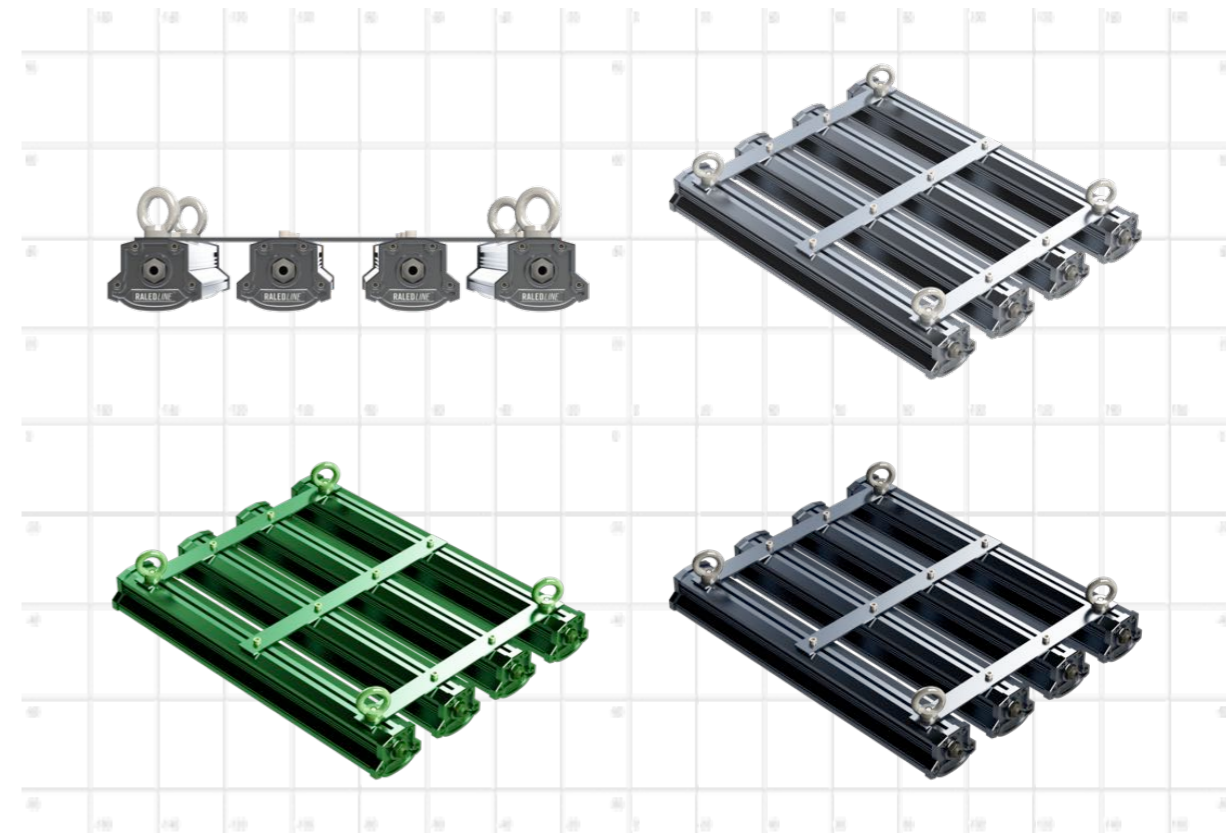
### TYPICAL APPLICATIONS:

The **RALEDCLUSTER®** luminaries are mainly used for one to one high bay replacements, tunnel lights and are a perfect solution for economic general light applications.

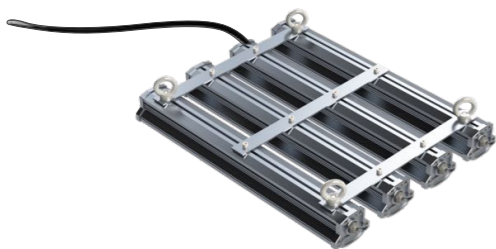
### UNIQUE FEATURES:

- ✓ durable housing
- ✓ high performance
- ✓ wide and narrow beam angles
- ✓ full colour
- ✓ high efficient

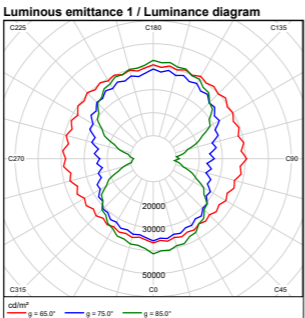
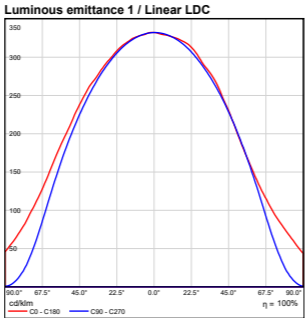
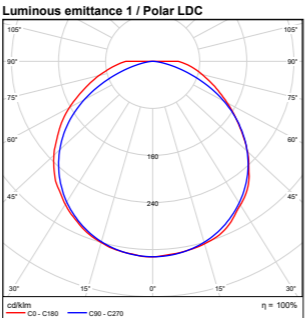
*„the economic high bay retrofit“*



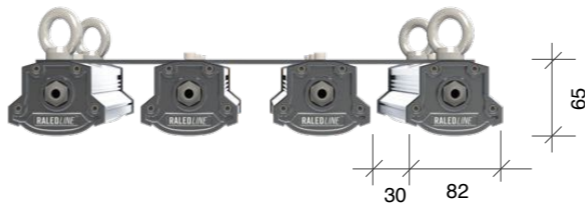
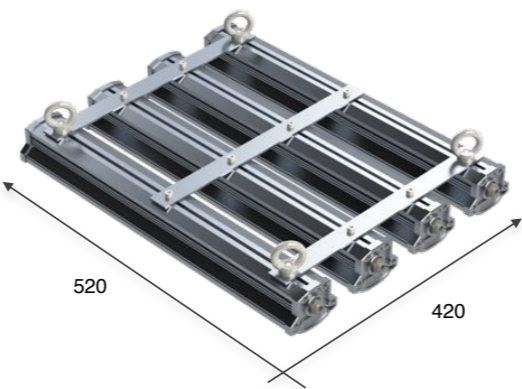
Internal power supply:



Luminous emittance:

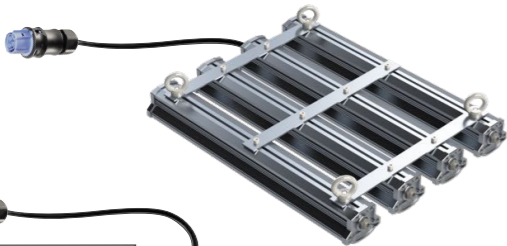


Dimensions:

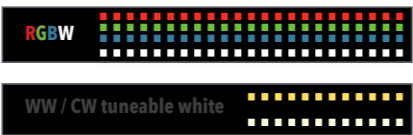
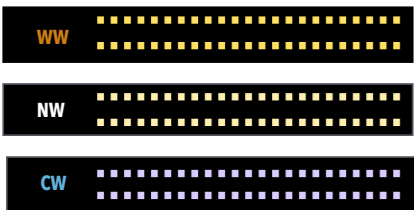


dazzle free strip polycarbonate diffuser

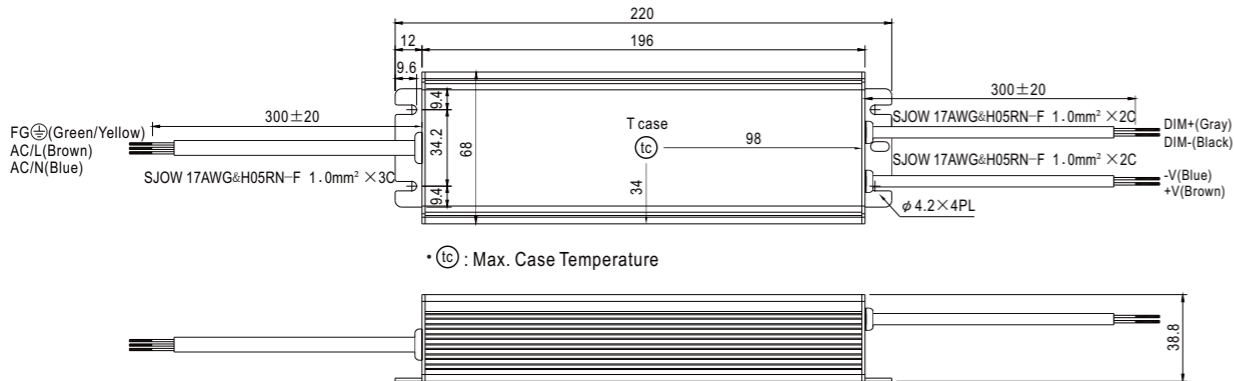
External power supply:



LED board configuration:



Power supply information (external):







Type:	RLLC-50_ PC
Number of heads:	2/ 3/ 4/ 5
System power (WW/NW/CW):	up to 150W
System power (RGBW):	single colour max. 30W/ head
	total colour mix max. 24W/ head
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:	30° / 120°
Colour temperature (CCT):	CW / NW / WW / RGBW
Special colours (Dual colour	NW with RGB , WW+CW
Colour rendering (CRI):	>80, up to CRI 98 on request
Efficacy (WW/NW/CW)	154 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 or 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:	HLG60 / HLG80 / HLG120
Weight:	1,6 kg * x

# RALED*CLUSTER*® RLLC-50\_-PC

Sample order code:

RLLC-503-PC-WW-3000K-110W-RAL7016-DS+PC (30° on request )

Model Code:	COB	CCT	501-PC	502-PC	503-PC	504-PC	505-PC	Options	
RLLC-50_-PC			30W	60W	90W	120W	150W	Diffuser Satin (-DS)	
								Plug connection (+PC)	
	WW	3000K							
	NW	4000K							
	CW	5000K							
	RGB/WW	3000K	30W/24W in single colour	60W/48W in single colour	90W/72W in single colour	120W/96W in single colour	150W/120W in single colour	Line Plug (+LP)	
	RGB/ NW	4000K							
	WW/ CW	2500K/7000K	30W	60W	90W	120W	150W	Y-Hanger (+YH)	
									Eye screws (+ES)

WW

NW

CW

RGBW

WW / CW tuneable white

Standard RAL and ELOX colours:

- RAL9016 (White)/ RAL9004 (Black)
- RAL7016 (Anthracite)
- ELO E6EV1 (Silver)
- special coatings on request
- Special 30° beam angle on request