

The background features a large, light gray sphere with a subtle gradient, partially obscured by a dark orange band at the bottom. The sphere has a thin white line curving around its right side. The orange band has a horizontal gradient from dark to light and is separated from the sphere by a thin white line.

inspired by light

lichtwerk

# lichtwerk

- inspired by light

lichtwerk GmbH is a subsidiary of Regiolux GmbH, and has established itself in the area of architectural lighting as an expert partner for sophisticated lighting tasks.

In addition to standard luminaires, the portfolio of lichtwerk GmbH includes individual project luminaires featuring future-fit technology for innovative lighting solutions.

## Flexible

The all-round inclusive package is our standard when it comes to defining our range of services. Lichtwerk reacts flexibly to individual customer requirements. Everything begins with the consultations in the planning phase. Requirements are defined, framework conditions are determined and a selection is made.

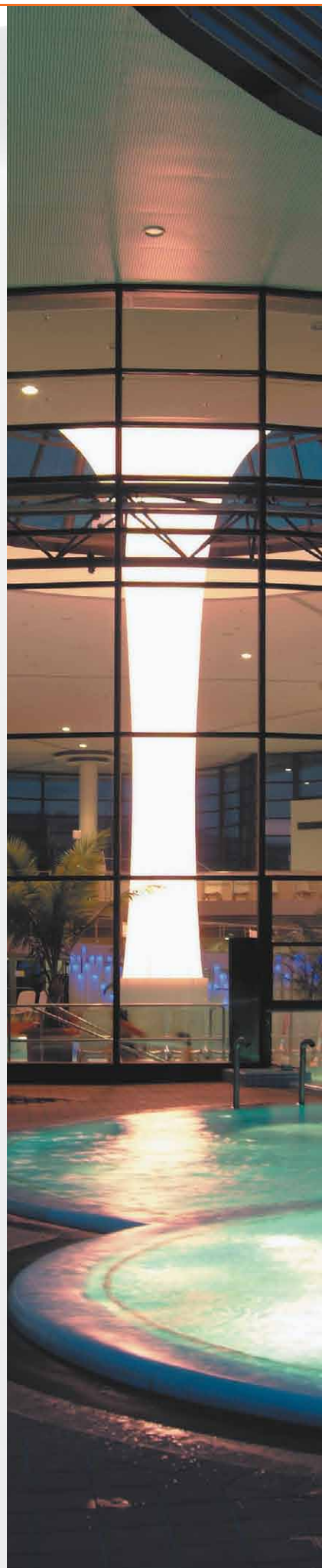
## Emotional

The effect that was planned is only achieved if everything is perfectly coordinated. Light creates emotions and only when these satisfy the client's requirements does the lighting achieve the enthusiasm, which we set as our goal.

lichtwerk deals with the theme of light in a very emotional manner and treats customer relations the same way.


















## Creativ

Together, we develop your individual project solution so that the lighting achieves a result that satisfies the architecture, lighting requirement and user alike. Due to the heterogeneous customer structure and changing challenges, lichtwerk is accustomed to always thinking new, innovatively and creatively.
















# Symbol key

Colour code/Colour		Definition of measurement table variables	
	traffic white (RAL 9016)	L	Length
	white-aluminium also sg (RAL 9006)	□ L	Length/Width for square luminaires
	aluminium natural anodized	L2	Additional length
	stainless steel	B	Width
	chrome	H	Height
	silver	∅ D	Diameter
	silver-grey also wa (RAL 9006)	KE	Cable infeed
	aluminium	KL	Length of luminaire head or ballast box
	translucent	KB	Width of luminaire head or ballast box
	clear	KH	Height of luminaire head or ballast box
	grey	A1	Fixing distance in case of single mounting
	black	A2	Fixing distance for the middle luminaires or between the luminaires in case of light run mounting
	red	X	Distance from centre of the luminaire to the electrical feed in (X direction = length)
	green	Y	Distance from centre of the luminaire to the electrical feed in (Y direction = width)
	blue	□ / SL	Length of cut for recessed luminaires
Control gear		□ / SB	Width of cut for recessed luminaires
Eb	Electronic ballast	∅ / SD	Diameter of cut for recessed luminaires
dim	Dimmable	e	Minimum necessary depth for luminaire mounting
1-10V	Analoge Standard Signal	DS min/max	Min./Max. ceiling thickness in case of suspended ceiling
DALI	Digital Adressable Lighting Interface	ML	Modul (axis) Length
ET	Electronic Driver	MB	Modul (axis) Width
NL-B	Emergency light single battery		
multi	Multiwatt		
Ceiling systems			
	Ceilings with visible T-rails		
	For recessed ceilings		



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# Pendant luminaires

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112 epic Q-HGZ







# Pendant luminaires







piatta-HLI



piatta-HPI

# piatta



# piatta

## Housing

Ultra-flat sheet steel housing, white aluminium, fine structure powder coated.

## Lighting technology HLI

Direct/indirect distribution.

Slit louvre covered with translucent PC-film.

## Lighting technology HPI

Direct/indirect distribution.

Conical glare elimination by means of micro prismatic pane.

## Suspension

Y-rope suspension with or without electrical connection, height adjustable 150 – 2000 mm, connection lead translucent.

Suspensions and electrical connection included in the luminaire price.

IP20    



### piatta-HLI

2/28

$\eta_{LB} = 70 \%$

 T16 (T5)

Luminous distribution

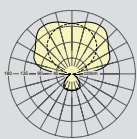
Direct 18 %

Indirect 82 %

Glare rating

UGR lat. 10,9

UGR long. 7,0



### piatta-HPI

2/28

$\eta_{LB} = 63 \%$

 T16 (T5)

Luminous distribution

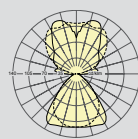
Direct 40,5 %

Indirect 59,5 %

Glare rating

UGR lat. 9,2

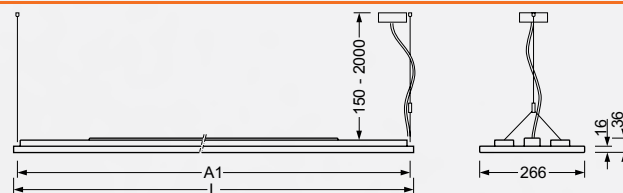
UGR long. 9,0



Type	Colour	Wattage	Eb multi	Eb multi dim 1-10V	Eb multi dim DALI	
piatta-HLI		2/28/54	400 2944 200	400 2945 200	400 2946 600	5,7
		2/35/49/80	400 2954 200	400 2955 200	400 2956 600	6,9
piatta-HPI		2/28/54	400 2944 190	400 2945 190	400 2946 690	6,2
		2/35/49/80	400 2954 190	400 2955 190	400 2956 690	7,4



	Number	Wattage	L	B	H	A1
piatta	2	28/54	1222	266	36	1206
	2	35/49/80	1522	266	36	1506













rail s-HDI



rail s-HXI



rail s-HGI

# rail s



# rails

## Housing

Luminaire housing aluminium extruded profile, anodized. Face ends and ballast zone sheet steel, painted white aluminium; ceiling baldachin aluminium extruded profile.

## Lighting technology HDI

Direct/indirect distribution.

Parabolic aluminium louvre, highly specular with darklight optics 65°<1000-1500 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

## Lighting technology HXI

Direct/indirect distribution.

Parabolic aluminium louvre, semi-specular anodised, 65°<1000-1500 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1 for 28, 35 and 49 Watt.

## Lighting technology HGI

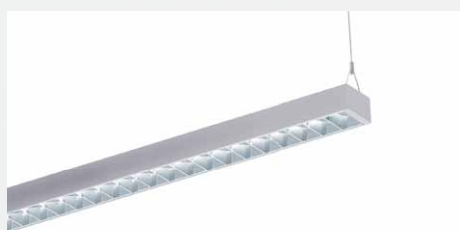
Direct/indirect distribution.

Lower side of the luminaire with satin matt clip-in PC profile. Transparent plastic pane on the upperside of the luminaire housing. 1lp 65°<3000 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

## Suspension

Y-rope suspension with or without electrical connection, height adjustable 150 - 2000 mm, connection lead translucent. Suspensions and electrical connection included in the luminaire price.

IP20    



rail s-HDI

1000

2/28/II

$\eta_{LB} = 96 \%$

 T16 (T5)

Luminous distribution  
Direct 62 %  
Indirect 38 %  
Glare rating  
UGR lat. 15,5  
UGR long. 15,3



rai s-HXI

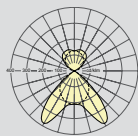
1000

2/28/II

$\eta_{LB} = 91 \%$

 T16 (T5)

Luminous distribution  
Direct 63 %  
Indirect 37 %  
Glare rating  
UGR lat. 15,0  
UGR long. 14,9



rail s-HGI

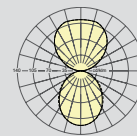
3000

2/28/II




$\eta_{LB} = 62 \%$

 T16 (T5)

Luminous distribution  
Direct 46 %  
Indirect 54 %  
Glare rating  
UGR lat. 14,1  
UGR long. 14,6

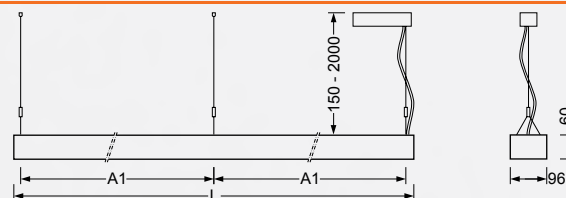


Type	Colour	Wattage	Eb multi	Eb multi dim 1-10V	Eb multi dim DALI	
rail s-HDI /II		1/28/54	677 2944 175	677 2945 175	677 2946 675	6
		1/35/49/80	677 2954 175	677 2955 175	677 2956 675	6
		2/28/54	677 4944 175	677 4945 175	677 4946 675	7
		2/35/49/80	677 4954 175	677 4955 175	677 4956 675	7
rail s-HXI /II		1/28/54	677 2944 165	677 2945 165	677 2946 665	6
		1/35/49/80	677 2954 165	677 2955 165	677 2956 665	6
		2/28/54	677 4944 165	677 4945 165	677 4946 665	7
		2/35/49/80	677 4954 165	677 4955 165	677 4956 665	7
rail s-HGI /II		1/28/54	677 2944 185	677 2945 185	677 2946 685	6
		1/35/49/80	677 2954 185	677 2955 185	677 2956 685	6
		2/28	677 4284 185	677 4285 185	677 4286 685	7
		2/35/49	677 4964 185	677 4965 185	677 4966 685	7

Accessories	Type	Colour	Material	Details	Item-number	
	Tool	SH 30		Polymer	Vacuum lifting pad for rail s-HGI panel	903 0030 100 0,1



	Number	Wattage	L	B	H	A1
rail s	2/4	28/54	3000	96	60	1488
	2/4	35/49/80	3600	96	60	1788















rail sc-HDI



rail sc-HXI



rail sc-HGI

# rail sc

# rail sc

## Housing

Luminaire housing aluminium extruded profile, anodized. Face ends sheet steel, painted white aluminium; ceiling baldachin aluminium extruded profile.

## Lighting technology HDI

Direct/indirect distribution.

Parabolic aluminium louvre, highly specular with darklight optics 65°<1000 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

## Lighting technology HXI

Direct/indirect distribution.

Parabolic aluminium louvre, semi-specular anodised, 65°<1000 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

## Lighting technology HGI

Direct/indirect distribution.

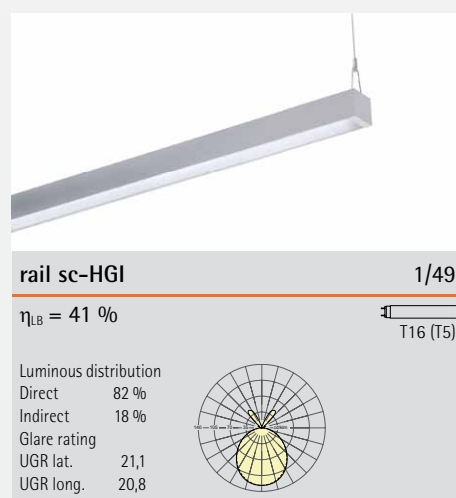
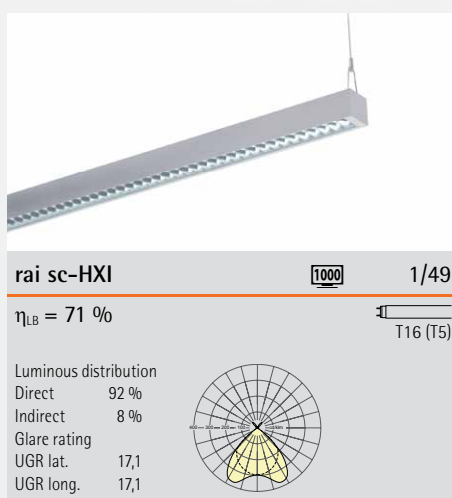
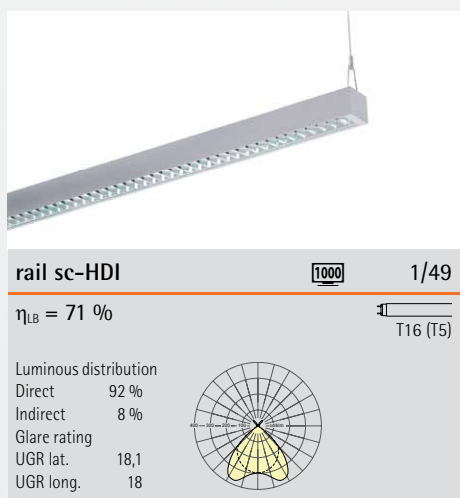
Lower side of the luminaire with satin matt clip-in PC profile.

## Suspension




Y-rope suspension with or without electrical connection, height adjustable 150 - 2000 mm, connection lead translucent.

Suspensions and electrical connection included in the luminaire price.

IP20    

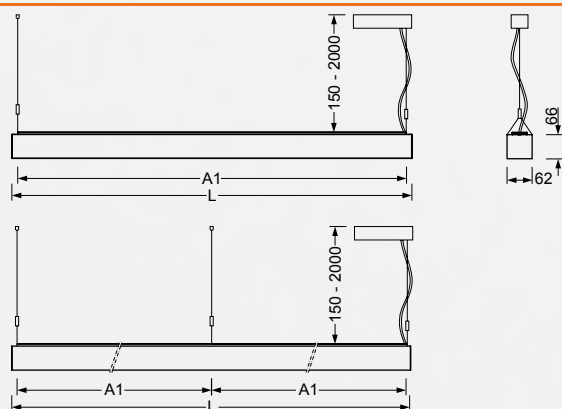


Type	Colour	Wattage	Eb multi	Eb multi dim 1-10V	Eb multi dim DALI	
rail sc-HDI		1/28/54	675 1944 175	675 1945 175	675 1946 675	3,5
		1/35/49/80	675 1954 175	675 1955 175	675 1956 675	4
rail sc-HDI /II		1/28/54	675 2944 175	675 2945 175	675 2946 675	6,7
		1/35/49/80	675 2954 175	675 2955 175	675 2956 675	9,2
rail sc-HXI		1/28/54	675 1944 165	675 1945 165	675 1946 665	3,5
		1/35/49/80	675 1954 165	675 1955 165	675 1956 665	4
rail sc-HXI /II		1/28/54	675 2944 165	675 2945 165	675 2946 665	6,7
		1/35/49/80	675 2954 165	675 2955 165	675 2956 665	9,2
rail sc-HGI		1/28/54	675 1944 185	675 1945 185	675 1946 685	3,5
		1/35/49/80	675 1954 185	675 1955 185	675 1956 685	4
rail sc-HGI /II		1/28/54	675 2944 185	675 2945 185	675 2946 685	6,7
		1/35/49/80	675 2954 185	675 2955 185	675 2956 685	9,2

Accessories	Type	Colour	Material	Details	Item-number	
	Tool	SH 30		Polymer	Vacuum lifting pad for rail sc-HGI panel	903 0030 100
						0,1



	Number	Wattage	L	B	H	A1
rail sc	1	28/54	1215	62	66	1190
	1	35/49/80	1515	62	66	1490
	2	28/54/II	2392	62	66	1184
	2	35/49/80/II	2992	62	66	1484















linar-HDI



linar-HXI



linar-HGI

# linar



## Housing

Aluminium section with rectangular design, face ends with mitred cut, natural anodized.

## Lighting technology HDI

Direct/indirect distribution.

Parabolic aluminium louvre, highly specular with darklight optics 65° < 1000-1500 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

## Lighting technology HXI

Direct/indirect distribution.

Parabolic aluminium louvre, semi-specular anodised, 65° < 1000-1500 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

## Lighting technology HGI

Direct/indirect distribution.

Lower side of the luminaire with satin clip-in matt PC profile.

1lp 65° < 3000 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

## Suspension

Y-rope suspension with or without electrical connection, height adjustable 150 - 2000 mm, connection lead translucent.

Suspensions and electrical connection included in the luminaire price.

IP20



linar-HDI

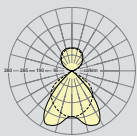
1000

1/49

$\eta_{LB} = 96 \%$

T16 (T5)

Luminous distribution  
Direct 62 %  
Indirect 38 %  
Glare rating  
UGR lat. 15,5  
UGR long. 15,3



linar-HXI

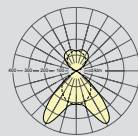
1000

1/49

$\eta_{LB} = 91 \%$

T16 (T5)

Luminous distribution  
Direct 63 %  
Indirect 37 %  
Glare rating  
UGR lat. 15,0  
UGR long. 14,9



linar-HGI

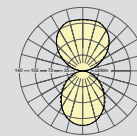
3000

1/49

$\eta_{LB} = 62 \%$

T16 (T5)

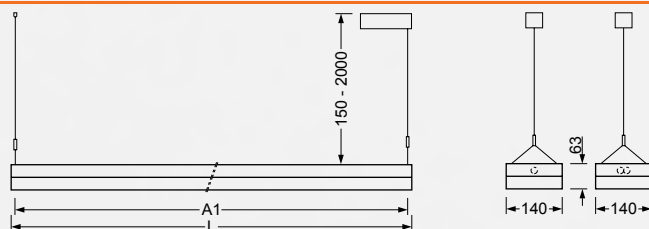
Luminous distribution  
Direct 46 %  
Indirect 54 %  
Glare rating  
UGR lat. 14,1  
UGR long. 14,6




Type	Colour	Wattage	Eb multi	Eb multi dim 1-10V	Eb multi dim DALI	kg
linar-HDI		1/28/54	512 1944 175	512 1945 175	512 1946 675	3,0
		1/35/49/80	512 1954 175	512 1955 175	512 1956 675	3,9
		2/28/54	512 2944 175	512 2945 175	512 2946 675	3,1
		2/35/49/80	512 2954 175	512 2955 175	512 2956 675	4,0
linar-HDI /II		1/28/54	513 2944 175	513 2945 175	513 2946 675	6,1
		1/35/49/80	513 2954 175	513 2955 175	513 2956 675	7,6
		2/28/54	513 4944 175	513 4945 175	513 4946 675	6,6
		2/35/49/80	513 4954 175	513 4955 175	513 4956 675	8,1
linar-HXI		1/28/54	512 1944 165	512 1945 165	512 1946 665	3,0
		1/35/49/80	512 1954 165	512 1955 165	512 1956 665	3,9
		2/28/54	512 2944 165	512 2945 165	512 2946 665	3,1
		2/35/49/80	512 2954 165	512 2955 165	512 2956 665	4,0
linar-HXI /II		1/28/54	513 2944 165	513 2945 165	513 2946 665	6,1
		1/35/49/80	513 2954 165	513 2955 165	513 2956 665	7,6
		2/28/54	513 4944 165	513 4945 165	513 4946 665	6,6
		2/35/49/80	513 4954 165	513 4955 165	513 4956 665	8,1
linar-HGI		1/28/54	512 1944 185	512 1945 185	512 1946 685	3,0
		1/35/49	512 1964 185	512 1965 185	512 1966 685	3,9
		2/28/54	512 2944 185	512 2945 185	512 2946 685	3,1
		2/35/49	512 2964 185	512 2965 185	512 2966 685	4,0
linar-HGI /II		1/28/54	513 2944 185	513 2945 185	513 2946 685	6,1
		1/35/49	513 2964 185	513 2965 185	513 2966 685	7,6
		2/28/54	513 4944 185	513 4945 185	513 4946 685	6,6
		2/35/49	513 4964 185	513 4965 185	513 4966 685	8,1



	Number	Wattage	L	B	H	A1
linar	1/2	28/54	1225	140	63	1191
	1/2	35/49/80	1525	140	63	1491
	2/4	28/54/11	2400	140	63	2366
	2/4	35/49/80/11	3000	140	63	2966

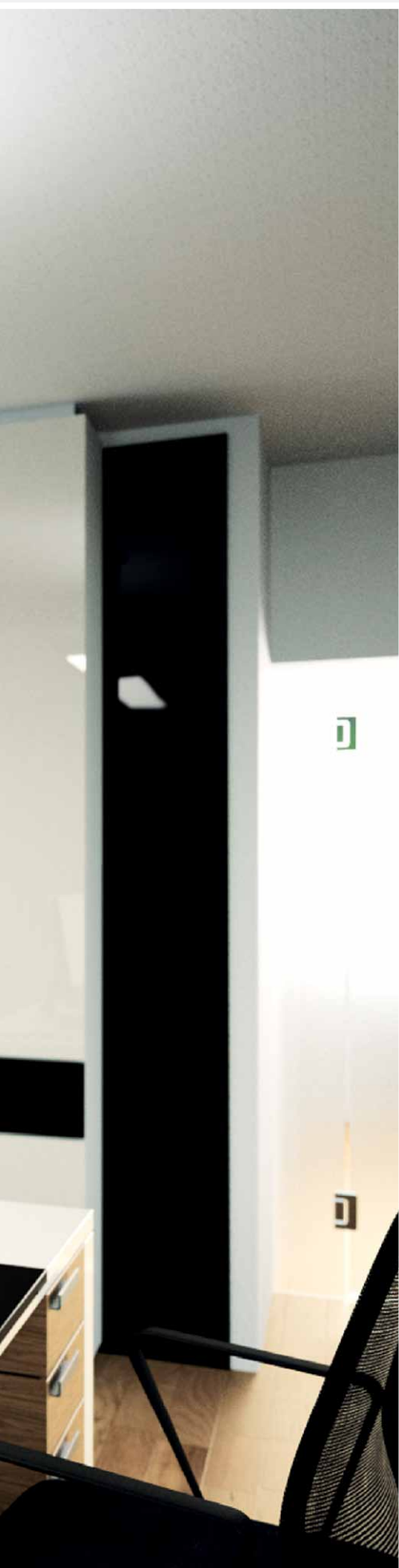


Accessories	Type	Colour	Material	Details	Item-number	kg
	Tool	SH 30	■	Polymer	Vacuum lifting pad for linar-HGI panel	903 0030 100
						0,1





# linar screen





# linar screen

## Housing

Aluminium section with rectangular design, face ends with mitred cut, natural anodized.

## Lighting technology HPI

Direct/indirect distribution.

Microprismatic cover with glare reduction and highly specular secondary reflectors  $65^\circ < 3000 \text{ cd/m}^2$ ; Wattages 2/28 und 2/35 Watt  $65^\circ < 1500 \text{ cd/m}^2$  for VDU workstations in accordance with DIN EN 12464-1.

## Suspension

Rope suspension with or without electrical connection, height adjustable 150 – 2000 mm, connection lead translucent.

Suspensions and electrical connection included in the luminaire price.

IP20    





**linar screen-HPI** 1500 2/28

$\eta_{LB} = 90 \%$  T16 (T5)

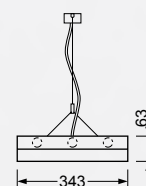
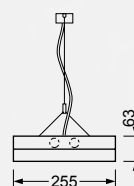
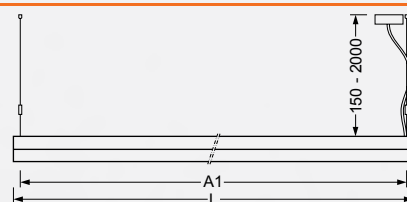
Luminous distribution  
 Direct 55 %  
 Indirect 45 %  
 Glare rating  
 UGR lat. 12  
 UGR long. 12,6



Type	Colour	Wattage	Eb multi	Eb multi dim 1-10V	Eb multi dim DALI	
linar screen-HPI		2/28/54	514 2944 190	514 2945 190	514 2946 690	4,8
		2/35/49	514 2964 190	514 2965 190	514 2966 690	4,8
		3/28/54	514 3944 190	514 3945 190	514 3946 690	5,3
		3/35/49	514 3964 190	514 3965 190	514 3966 690	5,3



	Number	Wattage	L	B	H	A1
linear screen	2	28/54	1200	255	63	1175
	2	35/49	1500	255	63	1475
	3	28/54	1200	343	63	1175
	3	35/49	1500	343	63	1475









# linar block





# linar block

## Housing

Aluminium section with square design, natural anodized.

## Lighting technology HGI

Direct/indirect distribution.

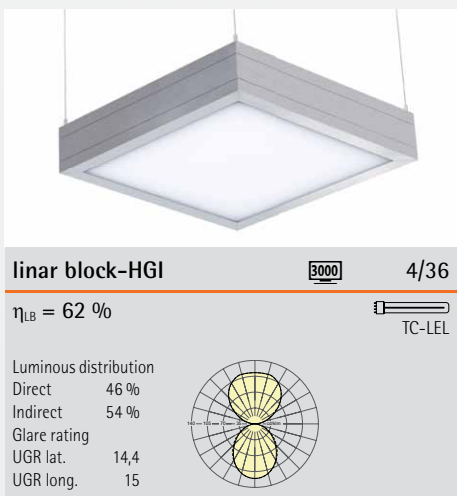
Lower side of the luminaire with satin matt PMMA pane and glass on the upperside of the luminaire housing.  $65^\circ < 3000 \text{ cd/m}^2$  omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.



## Suspension

Rope suspension with or without electrical connection, height adjustable 150 – 2000 mm, connection lead translucent.

Suspensions and electrical connection included in the luminaire price.

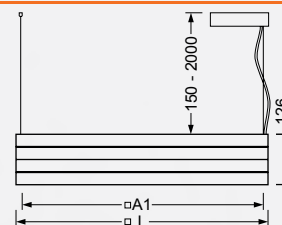
IP20    



Type	Colour	Wattage	Eb	Eb dim 1-10V	Eb dim DALI	
linar block-HGI		4/36	521 4364 100	521 4365 100	521 4366 600	5,8



	Number	Wattage	L	H	A1
linear block	4	36	630	126	606















micro REL-H



micro REL-HS



micro REL-HG

# micro REL

# micro REL

## Housing

Two-part sheet steel housing with hinges and magnetic lock.  
Painted traffic white or white aluminium.

## Lighting technology H

Direct distribution.

Involute mirror aluminium high gloss anodized for wallwasher characteristic with glare protection.

## Lighting technology HS

As Variant-H, with integrated transparent diffuser.

## Lighting technology HG

As Variant-H, with integrated PMMA diffuser, frosted.

## Suspension

Y-rope suspension with or without electrical connection, height adjustable 150 – 2000 mm, connection lead translucent.

Suspensions and electrical connection included in the luminaire price.

IP20    



micro REL-H

1/35

$\eta_{LB} = 61 \%$

Luminous distribution  
Direct 100 %  
Indirect 0 %  
Glare rating  
UGR lat. 30,2  
UGR long. 26,9



 T16 (T5)

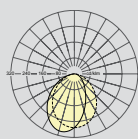


micro REL-HS

1/35

$\eta_{LB} = 60 \%$

Luminous distribution  
Direct 100 %  
Indirect 0 %  
Glare rating  
UGR lat. 20  
UGR long. 24,5



 T16 (T5)

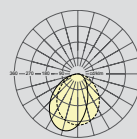


micro REL-HG





1/35

$\eta_{LB} = 66 \%$

Luminous distribution  
Direct 100 %  
Indirect 0 %  
Glare rating  
UGR lat. 26,1  
UGR long. 23,8

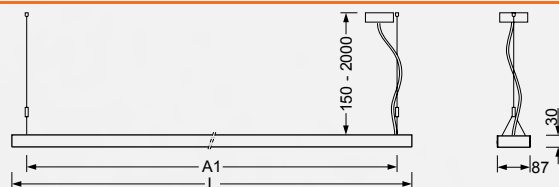


 T16 (T5)

Type	Colour	Wattage	Eb multi	Eb multi dim 1-10V	Eb multi dim DALI	
micro REL-H		1/28/54	503 1944 190	503 1945 190	503 1946 690	2,2
		1/28/54	503 1944 196	503 1945 196	503 1946 696	2,2
		1/35/49/80	503 1954 190	503 1955 190	503 1956 690	3,1
		1/35/49/80	503 1954 196	503 1955 196	503 1956 696	3,1
micro REL-HS		1/28/54	504 1944 180	504 1945 180	504 1946 680	2,4
		1/28/54	504 1944 186	504 1945 186	504 1946 686	2,4
		1/35/49/80	504 1954 180	504 1955 180	504 1956 680	3,4
		1/35/49/80	504 1954 186	504 1955 186	504 1956 686	3,4
micro REL-HG		1/28/54	504 1944 190	504 1945 190	504 1946 690	2,4
		1/28/54	504 1944 196	504 1945 196	504 1946 696	2,4
		1/35/49/80	504 1954 190	504 1955 190	504 1956 690	3,4
		1/35/49/80	504 1954 196	504 1955 196	504 1956 696	3,4



	Number	Wattage	L	B	H	A1
micro REL	1	28/54	1280	87	30	1200
	1	35/49/80	1580	87	30	1500

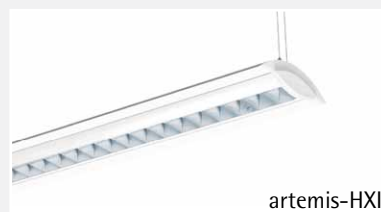








artemis-HDI



artemis-HXI

# artemis

# artemis

## Housing

Housing out of extruded aluminium with endfaces made from polystyrene. Housing painted traffic white, powder coated.

## Lighting technology HDI

Direct/indirect distribution.

Parabolic aluminium louvre, highly specular with darklight optics 65°<1000 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

## Lighting technology HXI

Direct/indirect distribution.

Parabolic aluminium louvre, semi-specular anodised, 65°<1000 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

## Accessories

Rope suspension DS 1500, rope suspension with connection DSE 1500 3x0.75 mm² and for dimmable luminaires rope suspension DSE 1500-2 2x 3x0.75 mm², have to be ordered separately.

IP20    



### artemis-HDI

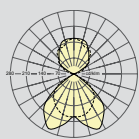
1000

2/35

$\eta_{LB} = 91\%$

T16 (T5)

Luminous distribution  
Direct 57 %  
Indirect 43 %  
Glare rating  
UGR lat. 17,4  
UGR long. 17,8



### artemis-HXI

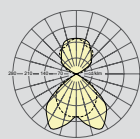
1000


2/35

$\eta_{LB} = 91\%$





T16 (T5)

Luminous distribution  
Direct 57 %  
Indirect 43 %  
Glare rating  
UGR lat. 17,4  
UGR long. 17,8



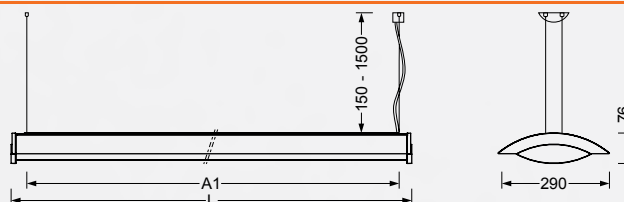
Type	Colour	Wattage	Eb	Eb multi dim 1-10V	Eb multi dim DALI	
artemis-HDI	<input type="checkbox"/>	1/35	522 1354 170			9,4
	<input type="checkbox"/>	1/49	522 1494 170			9,4
	<input type="checkbox"/>	1/54	522 1544 170			8,4
	<input type="checkbox"/>	2/35	522 2354 170			9,4
	<input type="checkbox"/>	2/49	522 2494 170			9,4
	<input type="checkbox"/>	2/54	522 2544 170			8,4
	<input type="checkbox"/>	1/28/54		522 1945 170	522 1946 670	8,4
	<input type="checkbox"/>	1/35/49		522 1965 170	522 1966 670	9,4
	<input type="checkbox"/>	2/28/54		522 2945 170	522 2946 670	8,4
	<input type="checkbox"/>	2/35/49		522 2965 170	522 2966 670	9,4
artemis-HXI	<input type="checkbox"/>	1/35	522 1354 160			9,4
	<input type="checkbox"/>	1/49	522 1494 160			9,4
	<input type="checkbox"/>	1/54	522 1544 160			8,4
	<input type="checkbox"/>	2/35	522 2354 160			9,4
	<input type="checkbox"/>	2/49	522 2494 160			9,4
	<input type="checkbox"/>	2/54	522 2544 160			8,4
	<input type="checkbox"/>	1/28/54		522 1945 160	522 1946 660	8,4
	<input type="checkbox"/>	1/35/49		522 1965 160	522 1966 660	9,4
	<input type="checkbox"/>	2/28/54		522 2945 160	522 2946 660	8,4
	<input type="checkbox"/>	2/35/49		522 2965 160	522 2966 660	9,4



Rope-suspension	Colour	Details	Item-number	
artemis-DS 1500		d=1,5 mm², l=1500 mm for artemis	522 1010 100	1
artemis-DSE 1500		d=1,5 mm², l=1500 mm 3x0,75 mm² for artemis	522 1011 100	1
artemis-DSE 1500-2		d=1,5 mm², l=1500 mm 2 x 3x0,75 mm² for artemis	522 1012 100	1



	Number	Wattage	L	B	H	A1
artemis	1/2	54	1207	290	76	1136
	1/2	35/49	1507	290	76	1436









# boks

# boks

## Housing

Modular housing consisting of a satin matt, translucent upper part as uplighter, lower part of housing out of sheet steel, structured, white aluminium powder-coated, in contrast to white translucent plastic surface.

## Lighting technology BOHD

Direct/indirect distribution.

Parabolic aluminium louvre, highly specular with darklight optics 65° < 1000 cd/m² omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

## Lighting technology BOHS

Direct/indirect distribution.

Lower side of the luminaire with satin clip-in matt PC profile.

## Suspension

Y-rope suspension with or without electrical connection, height adjustable 150 – 2000 mm, connection lead translucent.

Suspensions and electrical connection included in the luminaire price.

IP20   



**boks-BOHD**

**1000**

2/54

$\eta_{LB} = 98 \%$

 T16 (T5)

Luminous distribution

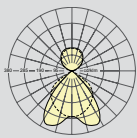
Direct 62 %

Indirect 38 %

Glare rating

UGR lat. 14,8

UGR long. 17,8



**boks-BOHS**

2/54

$\eta_{LB} = 44 \%$

 T16 (T5)

Luminous distribution

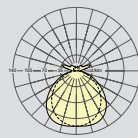
Direct 82 %






Indirect 18 %




Glare rating

UGR lat. 21,2

UGR long. 21,1

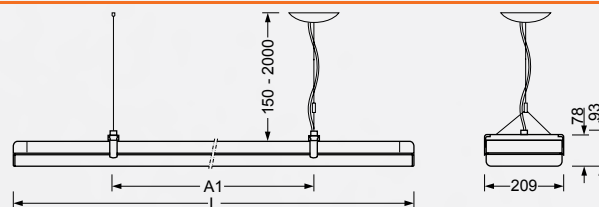


Type	Colour	Wattage	Eb	Eb dim 1-10V	Eb dim DALI	
boks-BOHD		1/54	540 1544 170	540 1545 170	540 1546 670	5
		2/54	540 2544 170	540 2545 170	540 2546 670	5
boks-BOHS		2/54	540 2544 180	540 2545 180	540 2546 680	5
		3/28	540 3284 180	540 3285 180	540 3286 680	5,4

Accessories	Type	Colour	Material	Details	Item-number	
	Tool	SH 30		Polymer	Vacuum lifting pad for boks-BOHS panel	903 0030 100
						0,1



	Number	Wattage	L	B	H	A1
boks	1	54	1250	209	78	625
	2	54	1250	209	78	625
	3	28	1250	209	78	625









micado D



micado Q

# linar micado













# linar micado

## Housing

Frame of anodized aluminium, rectangular or triangular design.

## Lighting technology

Direct/indirect distribution.

Lower side of luminair with satin matt PMMA pane.

Unique play of light through disorderd structure of the lamp position.

## i-funk

Version i-funk in specified order, variable speed. 5 static light sceens can freely be chosen and stored.

Functions to be called up by enclosed radio remote control.

## Suspension

Rope suspension with rapid coupling, height freely adjustable up to 2000 mm. Price including suspension and electrical connection.

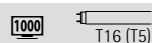
IP20    






linar micado D-HGI



linar micado Q-HGI

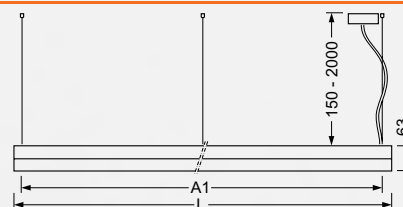


Type	Colour	Wattage	Eb	Eb dim 1-10V	Eb dim 1-10V iF	Eb dim DALI	 kg
linar micado D-HGI		4/28 + 2/14	401 4284 200	401 4285 200		401 4286 600	19,4
linar micado Q-HGI		4/28 + 2/35	402 4284 200	402 4285 202	402 4285 200	402 4286 600	20,9



	Number	Wattage	L	H	A1
linar micado D	4 + 2	28 + 14	<1500	63	<1460

	Number	Wattage	L	H	A1
linar micado Q	4 + 2	28 + 35	□ 1200	63	□ 1176













LED

crown LED

# crown

# crown

## Housing

Extruded aluminium in cylindrical form, natural anodised, diecast aluminium housing cover, metallic grey powder-coated as contrast colour.

## Lighting technology LED

Direct narrow-wide light distribution via micro-structured, satin matt, individually anodised reflector of ultra-pure aluminium; reflector cover of transparent safety glass with sealing and mounting ring of stainless steel; neutral white (840) light colour with high colour rendering  $R_a > 90$  or warm white (930) with very good colour rendering  $R_a > 90$ .

## Miscellaneous

Electrical connection via 3-pole connection cable, 3m, grey. Wire suspension and feed kit are included in delivery.

IP64    




**crown LED** 1x LED 39W 3000lm 840

$\eta_{LB} = 77 \%$  




Luminous distribution

Direct	100 %
Indirect	0 %

Glare rating

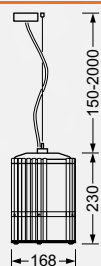
UGR lat.	22,1
UGR long.	22,1



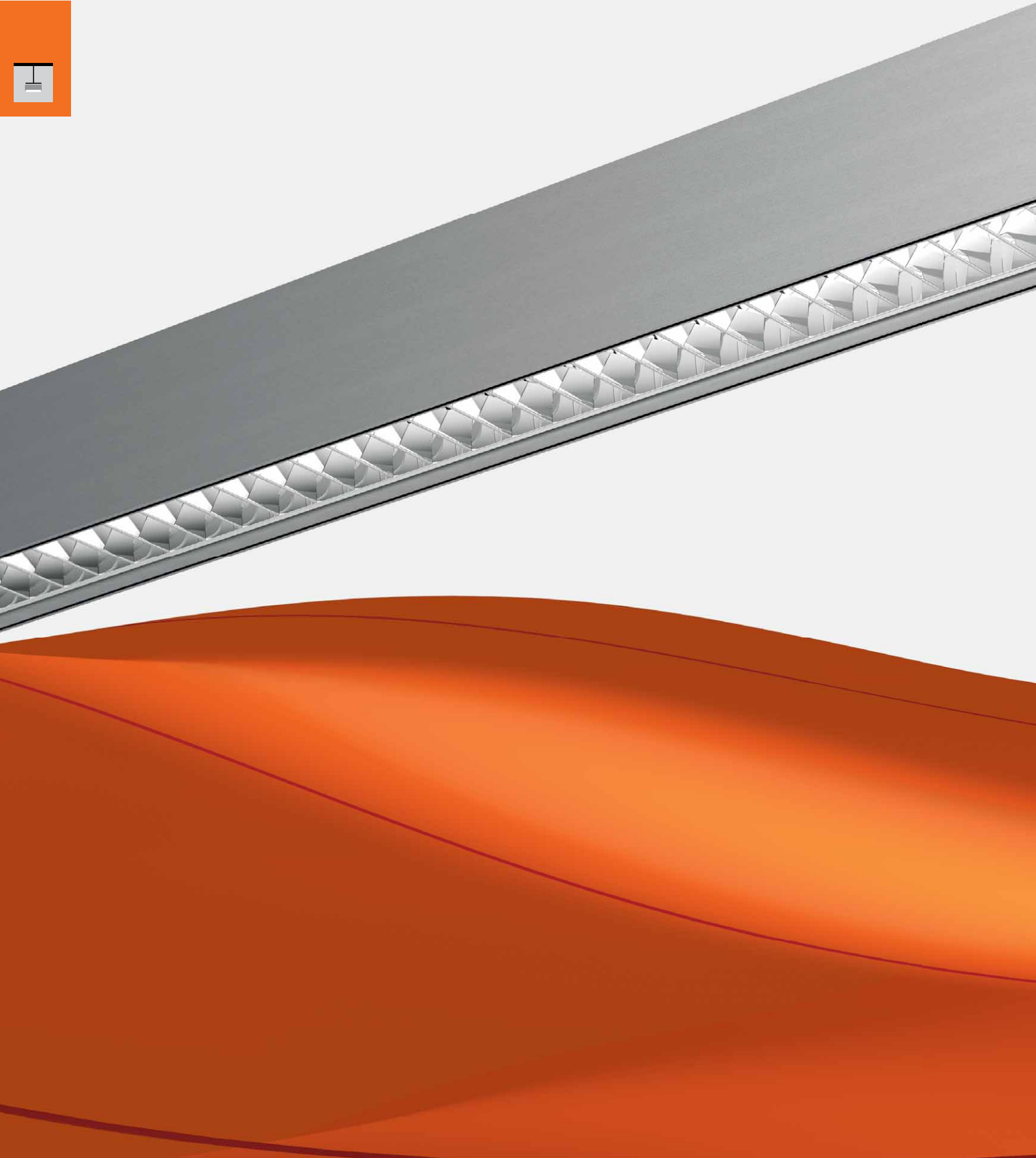
Type	Colour	LED Specification	ET	
crown LED		1x39W 3000lm 840	341 0014 160	3,4
		1x39W 3000lm 930	341 0034 160	3,4

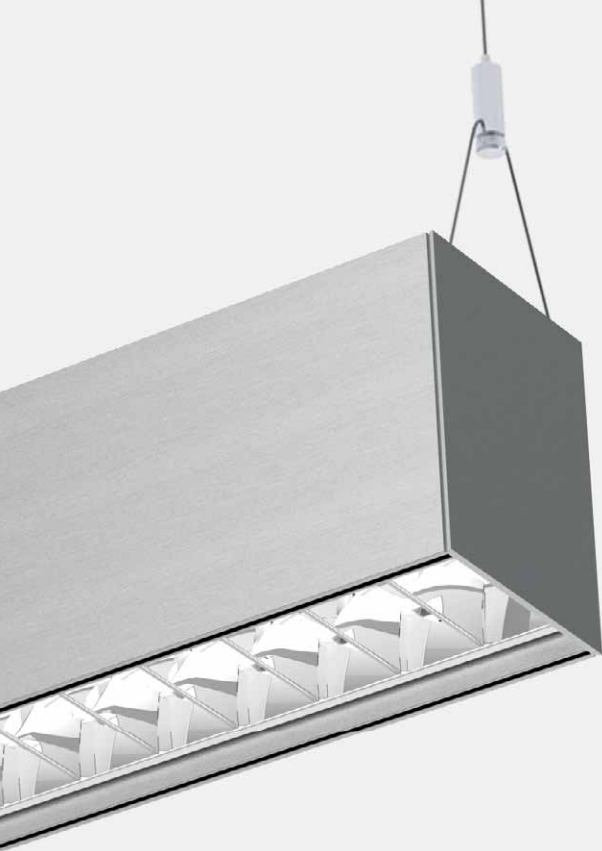


	LED Specification	D	H
crown LED	1x39W	168	230
	1x39W	168	230









fino-HD



fino-HX



fino-HK

# fino

**Housing**

Aluminium extruded profile with rectangular design, anodized.

**Lighting technology HD**

Direct distribution.

Highly specular darklight parabolic louvre with low-section cross blades, for VDU workstations,  $65^\circ < 1000 \text{ cd/m}^2$  omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

**Lighting technology HX**

Direct distribution.

Parabolic aluminium louvre, semi specular anodized, with low-section cross blades, for VDU workstations,  $65^\circ < 1000 \text{ cd/m}^2$  omnidirectional glare control for VDU workstations in accordance with DIN EN 12464-1.

**Lighting technology HK**

Direct distribution.

White-opal frosted, extruded polycarbonate profile with white reflector.

**Suspension**

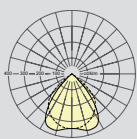
Y-rope suspension with or without electrical connection, height adjustable 150 - 2000 mm, connection lead translucent.

Suspensions and electrical connection included in the luminaire price.

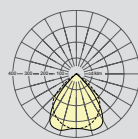
IP20    

**fino-HD****1000****1/49** $\eta_{LB} = 61 \%$ 
 T16 (T5)

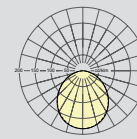
Luminous distribution  
 Direct 100 %  
 Indirect 0 %  
 Glare rating  
 UGR lat. 15,5  
 UGR long. 17,5

**fino-HX****1000****1/49** $\eta_{LB} = 61 \%$ 
 T16 (T5)

Luminous distribution  
 Direct 100 %  
 Indirect 0 %  
 Glare rating  
 UGR lat. 15,5  
 UGR long. 17,5

**fino-HK****1/49** $\eta_{LB} = 48 \%$ 
 T16 (T5)

Luminous distribution  
 Direct 100 %  
 Indirect 0 %  
 Glare rating  
 UGR lat. 22,7  
 UGR long. 22,9



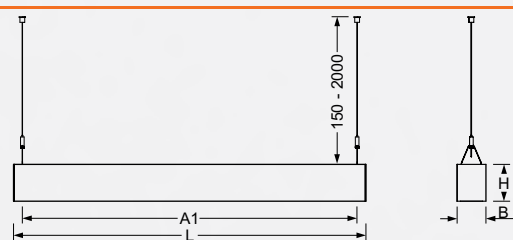
Type	Colour	Wattage	Eb	Eb multi dim 1-10V	Eb multi dim DALI	
fino-HD		1/35	535 1354 170			4,2
		1/49	535 1494 170			4,2
		1/54	535 1544 170			3,7
		1/28/54		535 1945 170	535 1946 670	3,5
		1/35/49		535 1965 170	535 1966 670	4,3
fino-HD/II		1/35	535 2354 170			8,4
		1/49	535 2494 170			8,4
		1/54	535 2544 170			6,6
		1/28/54		535 2945 170	535 2946 670	6,7
		1/35/49		535 2965 170	535 2966 670	8,5
fino-HX		1/35	535 1354 160			4,2
		1/49	535 1494 160			4,2
		1/54	535 1544 160			3,7
		1/28/54		535 1945 160	535 1946 660	3,5
		1/35/49		535 1965 160	535 1966 660	4,3
fino-HX/II		1/35	535 2354 160			8,4
		1/49	535 2494 160			8,4
		1/54	535 2544 160			6,6
		1/28/54		535 2945 160	535 2946 660	6,7
		1/35/49		535 2965 160	535 2966 660	8,5



Type	Colour	Wattage	Eb	Eb multi dim 1-10V	Eb multi dim DALI	kg
fino-HK		1/28	535 1284 180			3,2
		1/35	535 1354 180			4,3
		1/49	535 1494 180			4,3
		1/54	535 1544 180			3,2
		1/80	535 1804 180			4,3
		1/28/54		535 1945 180	535 1946 680	3,3
		1/35/49/80		535 1955 180	535 1956 680	4,4
fino-HK/II		1/28	535 2284 180			6,3
		1/35	535 2354 180			8,4
		1/49	535 2494 180			8,4
		1/54	535 2544 180			6,3
		1/80	535 2804 180			8,4
		1/28/54		535 2945 180	535 2946 680	6,4
		1/35/49/80		535 2955 180	535 2956 680	8,5

Accessories	Type	Colour	Material	Details	Item-number	kg
	Tool	SH 55	Polymer	Vacuum lifting pad for fino-HK panel	903 0055 100	0,1

	Number	Wattage	L	B	H	A1
fino-HD/-HX	1	28/54	1181	72	92	1137
	1	35/49	1481	72	92	1437
	2	28/54/II	2358	72	92	2314
	2	35/49/II	2958	72	92	2914
fino-HK	1	28/54	1181	72	92	1137
	1	35/49	1481	72	92	1437
	2	28/54/II	2258	72	92	2214
	2	35/49/II	2858	72	92	2814









epic R-HF



epic Q-HF



epic R-HGZ



epic Q-HGZ

# epic



# epic

## Housing R

Rounded sectional aluminium, anodised. Circumferential shadow gap between the housing and film / plate profile with an integrated plastic lip. Baseplate sheet steel, white.

## Suspension R

Three steel cable hangers with quick-adjusting connector, freely adjustable height up to 2,000 mm. Electrical connection via translucent cable.

## Lighting technology R-HF

Direct distribution.

Aluminium profile set flush in the ceiling with translucent foil for a homogenous illumination appearance. Suited for VDU workstations 65°<3000cd/m² omnidirectional glare reduction according to DIN EN 12464-1.

## Lighting technology R-HGZ

Direct distribution.

Aluminium profile set flush in the ceiling with a recessed, brushed special acrylic pane with high transmittance. Variant R-HGZ 650 suited for VDU workstations 65°<3000cd/m² omnidirectional glare reduction according to DIN EN 12464-1.

## Housing Q

Aluminium profile in a square design, anodised. Circumferential shadow gap between the housing and film / plate profile with an integrated plastic lip. Baseplate sheet steel, white.

## Suspension Q

Four steel cable hangers with quick-adjusting connector, freely adjustable height up to 2,000 mm. Electrical connection via translucent cable.

IP20    



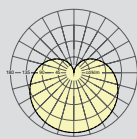
epic R-HF 950

3000

4/40 + 1/22

$\eta_{LB} = 48 \%$

Luminous distribution  
Direct 100 %  
Indirect 0 %  
Glare rating  
UGR lat. 20,5  
UGR long. 20,5



  
T16 (R)

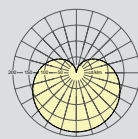


epic R-HGZ 950

4/40 + 1/22

$\eta_{LB} = 53\%$

Luminous distribution  
Direct 100 %  
Indirect 0 %  
Glare rating  
UGR lat. 20,9  
UGR long. 20,9



  
T16 (R)



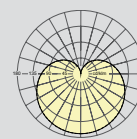
epic Q-HF 900

3000














8/21

$\eta_{LB} = 48 \%$

Luminous distribution  
Direct 100 %  
Indirect 0 %  
Glare rating  
UGR lat. 19,4  
UGR long. 19,4



  
T16 (T5)

Type	Colour	Number x Wattage	Eb	Eb dim DALI	 kg
epic R-HF 650		3 x 22	635 0654 155	635 0656 655	9
epic R-HF 950		4 x 40 + 1 x 22	635 0954 155	635 0956 655	15
epic R-HF 1280		2 x 14/24 + 2 x 21/39 + 4 x 28/54	635 1284 155	635 1286 655	24
epic R-HF 1560		2 x 14/24 + 2 x 21/39 + 2 x 28/54 + 4 x 35/49	635 1564 155	635 1566 655	30
epic R-HGZ 650		3 x 22	635 0654 165	635 0656 665	9,3
epic R-HGZ 950		4 x 40 + 1 x 22	635 0954 165	635 0956 665	15,5
epic Q-HF 600		6 x 14/24	634 0604 155	634 0606 655	11
epic Q-HF 900		8 x 21/39	634 0904 155	634 0906 655	18,5
epic Q-HF 1200		10 x 28/54	634 1204 155	634 1206 655	28
epic Q-HF 1500		12 x 35/49	634 1504 155	634 1506 655	37
epic Q-HGZ 600		6 x 14/24	634 0604 165	634 0606 665	11,5
epic Q-HGZ 900		8 x 21/39	634 0904 165	634 0906 665	19,1

**Lighting technology Q-HF**

Direct distribution.

Aluminium profile set flush in the ceiling with translucent foil for a homogenous illumination appearance. FH types (14W, 21W, 28W, 35W) suited for VDU workstations  $65^\circ < 3000\text{cd/m}^2$  omnidirectional glare reduction according to DIN EN 12464-1.

**Lighting technology Q-HGZ**

Direct distribution.

Aluminium profile set flush in the ceiling with a recessed, brushed special acrylic pane with high transmittance. Variant Q-HGZ 600 6x14W, Q-HGZ 900 8x21W suited for VDU workstations  $65^\circ < 3000\text{cd/m}^2$  omnidirectional glare reduction according to DIN EN 12464-1.



epic Q-HGZ 900

3000

8/21

$\eta_{LB} = 53 \%$

T16 (T5)

Luminous distribution

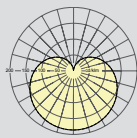
Direct 100 %

Indirect 0 %

Glare rating

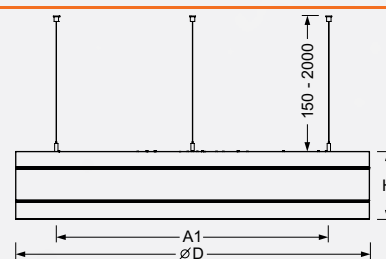
UGR lat. 19,6

UGR long. 19,5



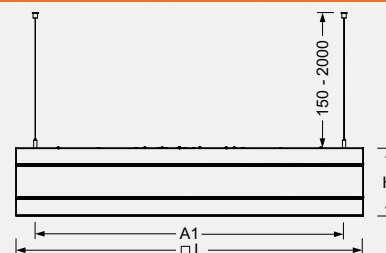
epic R

Type	D	H	A1
R-650	654	182	600
R-950	954	182	900
R-1280	1284	182	1200
R-1560	1564	182	1500



epic Q

Type	L	H	A1
Q-600	604	182	550
Q-900	904	182	850
Q-1200	1204	182	1150
Q-1500	1504	182	1450





## 1. General

**1.1** These conditions of sale apply exclusively to companies, legal persons under public law or public law special assets in the sense of § 310 paragraph 1 BGB (German Civil Code). The following conditions of sale apply exclusively for all offers and contracts regarding the delivery of goods by Lichtwerk GmbH. They also apply for all future transactions with the Orderer when dealing with legal transactions of the related kind. The Orderer recognises the conditions as binding for him for all of the business relations. Modifications and amendments must be in written form. Conflicting or deviating terms and conditions of the Orderer are not terms of the contract, even if we do not expressly object to them. This will only be content of the respective contract in cases where we expressly approve the conflicting or deviating terms and conditions in writing.

**1.2** We reserve our own rights of ownership, copyright and other intellectual property rights for all cost estimates, drawings and documents that are handed over to the Orderer during the contract negotiations. They may only be disclosed to third parties with our prior written permission. If an order is not issued, all transferred documents shall be returned immediately at our request. The Orderer does not have the right to use, retain or disseminate these documents.

## 2. Conclusion of the contract and scope of services

**2.1** Our offers are not-binding and without obligation. In terms of the nature and scope of delivery, they will first be binding upon our written order confirmation. If an order is to be regarded as an offer according to § 145 BGB, we can accept this within two weeks by sending an order confirmation.

**2.2** Verbal agreements, in particular supplementary agreements and commitments made by our employees, require our written confirmation to be effective.

**2.3** For the delivery, we reserve the right to deviations of goods compared to the documents belonging to the offers, such as catalogues, illustrations, descriptions, drawings as well as weight and dimension information, provided they are commercial and reasonable for the Orderer and in particular do not impair quality and function.

## 3. Prices, deliveries and terms of payment

### 3.1 Prices and delivery

**3.1.1** The prices are calculated in Euro exclusive of the legal VAT, which is invoiced separately according to the rate valid rate. The prices are calculated according to the prices valid at date of contract conclusion; if the delivery is made more than 4 months after contract conclusion, the prices valid at date of delivery can be invoiced.

**3.1.2** Principally, prices shall be ex works excluding VAT, packaging, freight costs and insurance.

**3.1.3** For a net order value of €1,500.00 or more, we deliver to the delivery location free of charge within Germany, whereby we provide the goods at the delivery location ready for unloading. Starting at € 750.00, we charge half of the transportation charges for a delivery location within Germany. For a net order value below € 250.00, we charge an additional small-volume surcharge of €25.00.

### 3.2 Terms of payment

**3.2.1** Our invoices are to be paid within 30 days from the date of the invoice. For payment within eight days from the invoice date, we grant a 2 % discount. A payment is considered effected if we are able to access the funds. In the case of payment by cheque, payment is only considered effected when the cheque is redeemed by us.

**3.2.2** The acceptance of cheques shall only be accepted on account of performance.

**3.2.3** The Orderer's right of retention, as far as it is not based on the same contractual relationship, and the offsetting with contested or not legally determined claims is excluded.

**3.2.4** If the Orderer is in default of payment as a whole or a part, he is bound - notwithstanding all other rights of the supplier - to pay from that point of time on default interests to the amount of 8 % annually above the base lending rate.

**3.2.5** If the Orderer ceases payments or if bankruptcy is filed or mature checks or bills of exchange are not redeemed, all claims made by the supplier are immediately due.

## 4. Delivery times and acceptance obligations

**4.1** The delivery period begins with the date of written agreement about the order between Orderer and supplier.

**4.2** Hindrances beyond our responsibility, in particular acts of God, war, insurrection, strikes, transport disruptions, business disruptions, lack of material, official orders and other inevitable events that delay the delivery in whole or in part automatically lengthen the delivery period by the duration of such conditions. In such cases the parties have the right to withdraw from the contract in whole or in part.

**4.3** In the event of a delayed delivery for which we are responsible, the Orderer can only assert his rights arising from the delay if the grace period he granted us has passed without result. If the Orderer proves in this case that he has incurred damages caused by the delay, he can claim a delay compensation for each completed week of the delay in the amount of 0.5% for the entire duration of the delay, but not to exceed 5% of the value of the goods not delivered on time. The right of the Orderer for exercising the right of withdrawal shall remain unaffected. Further-reaching claims shall only apply in cases of intent or gross negligence where liability is mandatory.

**4.4** We are entitled to make reasonable installment deliveries.

**4.5** If the Orderer causes a delay of dispatch or delivery of the goods or if the Orderer is otherwise in default in accepting the delivery of goods or should the Orderer intentionally violate other obligations to co-operate, we then have the right to claim compensation for any incurred damages in this respect, including any possible additional expenditure. Rights remain reserved for more extensive claims. Insofar as such aforesaid conditions apply, the risk of accidental loss or accidental deterioration of the purchased goods passes over to the Orderer at the precise point of time in which he is in default of acceptance or payment.

## 5. Dispatch, transfer of risk, returns

**5.1** The risk is passed on to the Orderer when the goods leave the factory or a warehouse. Shipping takes place uninsured at the Orderer's risk. This also applies even if free delivery is agreed and also for deliveries by our transport staff. If the shipment is delayed as a result of circumstances for which the Orderer is responsible, the risk is transferred with our notification of readiness for shipment. If the shipment is delayed at the Orderer's request or at the fault of the Orderer, then we will store the goods at the Orderer's expense. The Orderer is required to check without delay whether the goods have been damaged during transportation and to immediately inform the carrier and deliverer of any damage or loss. Shipping takes place on behalf of the Orderer.

**5.2** If the supplier has no statutory obligation to accept returned goods, the Orderer may only return goods with our express written consent and provided that they are undamaged and returned in the original packaging. 30% of the invoiced amount will be deducted from the credit note to cover processing costs. All reprocessing, freight, insurance and packaging costs are charged to the Orderer. Principally, it is not possible to return custom-made products.

## 6. Retention of Title

**6.1** The goods remain our property until the fulfilment of all our entitled claims against the Orderer (goods subject to retention of title), even if the individual goods have been paid for. A pledge or chattel mortgage of the reserved goods is not permissible.

**6.2** In the case of the permissible resale of the reserved goods within the ordinary course of business, the Orderer assigns us already now, until payment of all our claims, as collateral for its future claims towards his customers resulting of such resale without requiring any specific further explanations. This assignment also covers balance claims resulting from existing current account relationships or at their termination of the Orderer with his customers. If the reserved goods are sold together with other

goods without agreeing upon an individual price for the reserved goods, the Orderer assigns us the priority over the other claims for such part of the total price claimed which corresponds to the value invoiced by us. Until revoked, the Orderer is authorized to collect the assigned demands from the resale, he is not entitled to dispose of them otherwise, e.g. by assignment. Upon our request, the Orderer must inform his customer about the assignment and to furnish us the necessary documents for the assertion of his rights towards the customer, e.g. to deliver invoices and to provide the required details.

**6.3** If the purchaser does not meet all or a part of his payment obligations within 10 days after due date, if he does not cash due checks or if an application for insolvency is filed, we have the right to withdraw from the contract and to require the return of the goods. The purchaser is obliged to procure us with the possession of the goods. The Orderer grants us or any of our authorized representatives the access to all business premises during business hours. We are entitled to use the reserved goods with the diligence of a prudent businessman and to satisfy ourselves with the offsetting of open claims with their proceeds.

**6.4** As long as the ownership has not been transferred, the Orderer is to inform us in writing immediately if the supplied item is seized or is exposed to other interventions by third parties. If the third party is unable to indemnify us for the costs of legal or out-of-court costs of a claim according to par. 771 ZPO (German Code of Civil Procedure), the Orderer is liable for our amount outstanding.

## 7. Warranty

**7.1** We are liable for the defects of the goods (in the first instance under the exclusion of the Orderer's rights to back out of the contract or to reduce the purchase price) through rectification of the defect or replacement delivery at our choice. The Orderer shall grant us a reasonable time period to provide the rectification. If the supplementary performance does not work, the Orderer may basically according to his choice demand a cut of the compensation (decrease) or a cancellation of the contract. The improvement is considered failed after the second unsuccessful attempt, provided further improvement attempts are not appropriate due to the subject matter of the contract and are not reasonable to the Orderer. In case of a minor breach of contract, especially minor defects, the Orderer, however, does not have a right of cancellation.

**7.2** Warranty rights of the Orderer require that the Orderer's obligations to make inspection and give notice of defects according to par. 377 HGB (German Commercial Code) have been properly fulfilled.

**7.3** The Orderer must notify us concerning obvious defects within a period of 10 days after receipt of goods, otherwise the assertion of the warranty claim is excluded. Non-obvious defects must be claimed immediately when they are discovered or determined, otherwise they are deemed to be approved. For all presuppositions for claims he full burden of proof forlies with the Orderer, especially for the deficit itself, for the time period of the determination of the defect, and for the timeliness of the notice of defect.

**7.4** If the Orderer, due to a deficiency in title or a material defect after failed subsequent performance, chooses to cancel the contract, he shall not be entitled to additional claims for damages due to the defect.

**7.5** The warranty period amounts to one year from date of delivery of our goods to the Orderer.

**7.6** The warranty obligation is void if the goods have suffered from improper handling or storage or if improper changes were made to them without the supplier's approval. We are not liable for subsequent changes to the lights, their internal circuitry, equipment or the lamps.

**7.7** The condition of the goods only the product description of the manufacturer applies as agreed upon. Additional public statements or advertisements of the manufacturer do not represent a contractual statement on the nature of the goods.

**7.8** In the event that the article of sale cannot be used by the Orderer as stipulated in the contract of sale as a result of negligent violation of collateral contractual duties, especially with regard to operating and maintenance instructions, we shall also be liable in accordance with paragraph 7.6. In case of consulting we can only be held responsible if special payment was agreed in writing.

**7.9** Claims made by the Customer against the Supplier for installation and disassembly costs, unless they serve to detect errors, costs of disposal and costs for hoisting devices and scaffolding shall be excluded. The Customer shall bear the costs of the necessary recommissioning, software reinstallations or software updates. Where the Supplier meets its cost absorption obligation pursuant to Article 478 of the German Civil Code with respect to other expenses necessary for supplementary performance, the Supplier shall be entitled to pay such expenses by means of a credit note for goods. A right to compensation for damages to the goods themselves shall be excluded. This does not apply, as far as compelling liability is given in cases of intent, gross negligence, lack of guaranteed product properties or the Product Liability Act.

## 8. Limitation on Liability

**8.1** As far as it is not expressly stipulated otherwise in these conditions, the claims against us, our legal representatives and any person employed by us in the performance of our obligation and any vicarious agent resulting from damages, including consequential damages, which occur to the Orderer or a third party, in particular such damages resulting from fault at contract conclusion, culpable breach of an obligation and negligent and impermissible actions are excluded.

**8.2** The aforesaid limitations of liability shall not affect the Orderer's product liability claims. In addition, we are liable for loss of life, physical injury and damage to health (regardless of existing limitation of liability according to the statutory provisions) that are caused by a negligent or wilful breach of duty on our part, our legal representatives or our assistants. We are liable under statutory provisions for damages that are not covered by clause 1 and that are based on fraudulent intent by us, our legal representatives or our assistants.

**8.3** The Orderer's claim for damages for defect becomes time-barred after one year from date of delivery of the goods to the Orderer. This shall not apply if we can be accused of malice. In these cases, the statutory provisions apply.

## 9. Data protection

According to § 33 of the German Data Protection Act, we point out that the Orderer's personal data is stored and processed by computer for the purpose of a proper business transaction.

## 10. Applicable law, place of jurisdiction

For these business relationships and all legal relationships between us and the Orderer, - including export contracts - the governing law of the Federal Republic of Germany applies exclusively. The application of the UN jurisdiction, concerning sales and purchase procedure, is excluded. If legally permissible, the place of jurisdiction for all disputes directly or indirectly resulting from a contractual relationship is, by our choosing, either Haßfurt or the court responsible for the Orderer's registered office. The place of fulfilment for deliveries and payments is also Haßfurt.

If individual conditions of the contract including these GTC are partially ineffective or will be, the validity of the other conditions are not affected by it. The whole or partial ineffective condition should be replaced by conditions, whose economic purpose comes as close as possible to the ineffective one.

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Estonia, Finland, GUS, India,  
Ireland, Latvia, Lithuania,  
New Zealand, Romania, Slovenia,  
Ukraine, United Kingdom, USA

Bulgaria, Denmark, Hungary, Ice-  
land, Italy/Alto Adige, Italy/Trenti-  
no, Norway, Poland, Slovakian  
Republic, Sweden, Turkey

### Exclusion of Liability

Illustrations, dimensions and weights in our catalogues, price lists and quotations are non-binding. Subject to technical changes, errors and color deviations. All luminaires have been designed for 230 V 50 Hz mains connection and ambient conditions according to DIN EN 60598 unless otherwise stated, and are supplied without lamps unless otherwise stated. Most of the indications with regard to certifications are presented in our catalogue in a general form. Verification with regard to products can be easily carried out on our website.

Because of the dynamics in the technical development especially in the field of LED modules and their drivers, the information in this paper can only be a snapshot of the current state and are therefore legally not binding. Please refer to our web site for current product specifications.

We point out that the orderer recognises our delivery and payment conditions unless he/she objects in writing when sending his/her order.



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