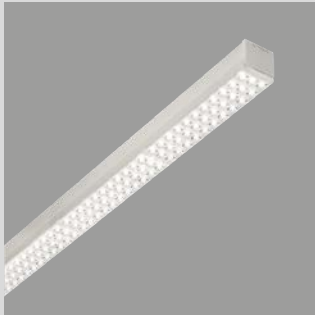


# LINUX

## Mounting Rail-system



- ✓ Efficient, toolless, fast mounting rail-system
- ✓ Clear and minimal design
- ✓ 12 optimised light distributions for every application
- ✓ High efficient LED light sources
- ✓ Mounting rails with 7- and 11-pole through-wiring



### SCAN AND BUY

in our mobile Online Shop

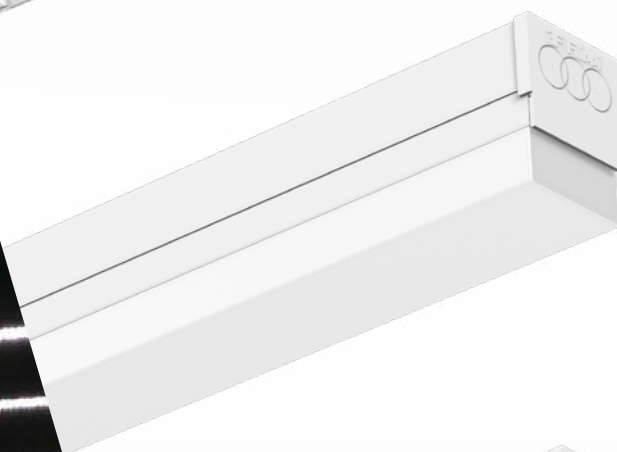
### AVAILABILITY INFORMATION

Check availabilities in your Schrack Technik Online Shop

# Simply modular



**Linux L | IP40**



**Linux DR**



**Linux D**

Linux is a modular system designed to allow you to compose channels as simply and efficiently as possible.

Linux mounting rail-system is fitted with high-efficiency LED sources and features a compact body, modular components and accessories which give unrivalled freedom in terms of planning the installations.



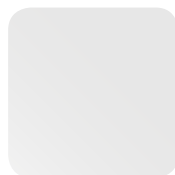
## Dimensions

Structures - Linux S  
1778 - 3556 mm

Light modules - Linux L / DR / D  
1778 mm

Non-illuminated modules - Linux Track / Top  
1778 mm

## Finishes



White



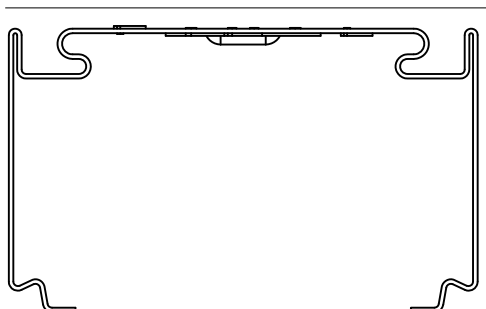
Matt black  
On demand



Gray  
On demand

### Linux S

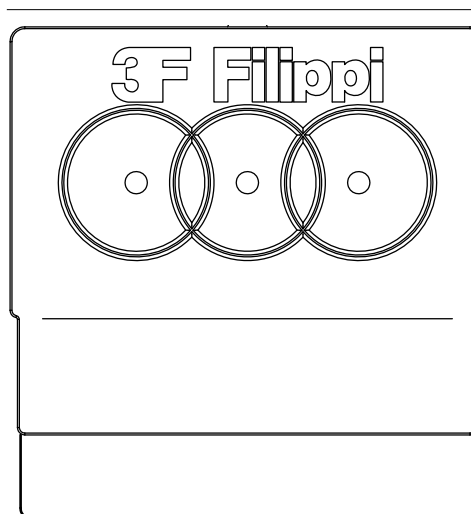
62



36

### Linux S + Linux L

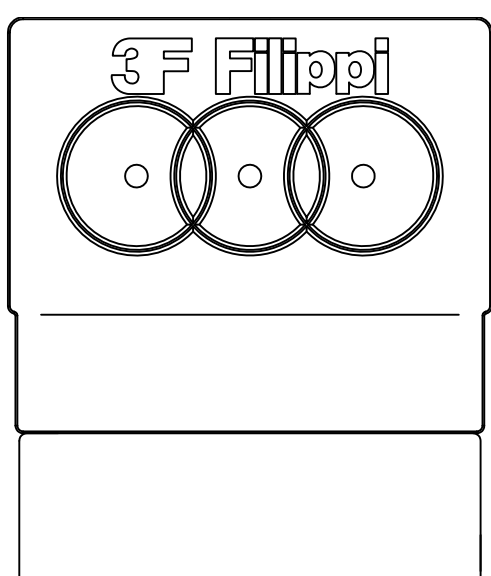
64



65

### Linux S + Linux DR

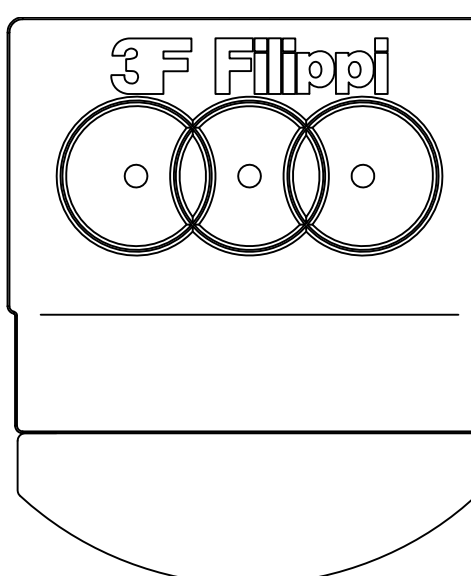
64



82

### Linux S + Linux D

64



Drawings in 1: 1 scale - Dimensions in millimeters

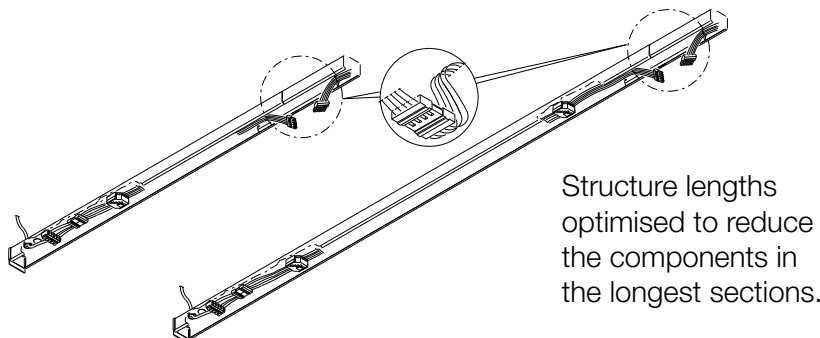
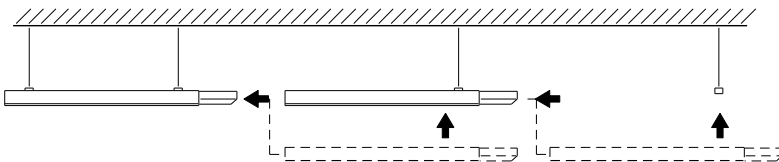
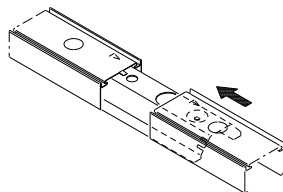
# Linux

Simply modular



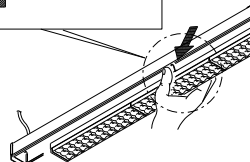
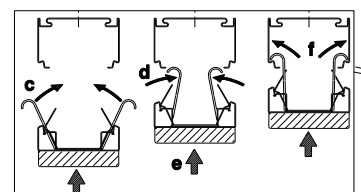
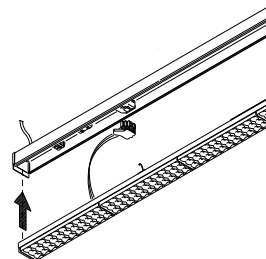
**The** FastWiring system reduces the time necessary to create a lighting channel:

- ① Install the structures, connecting them together with the connecting elements (pre-fitted) and connect the power-supply lines



Structure lengths optimised to reduce the components in the longest sections.

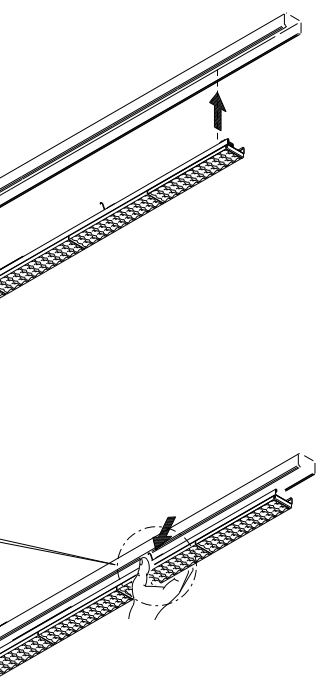
- ② Connect the power-supply plug and secure the lighting element to the structure, moving it to the required point



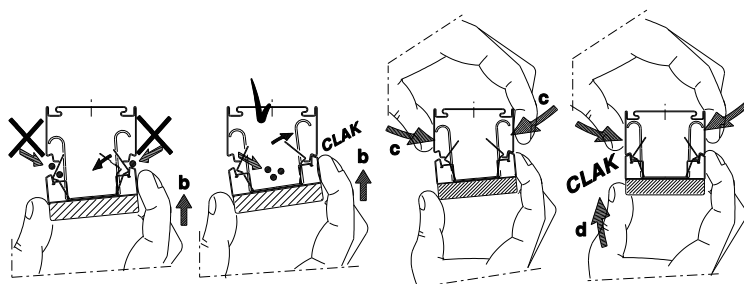
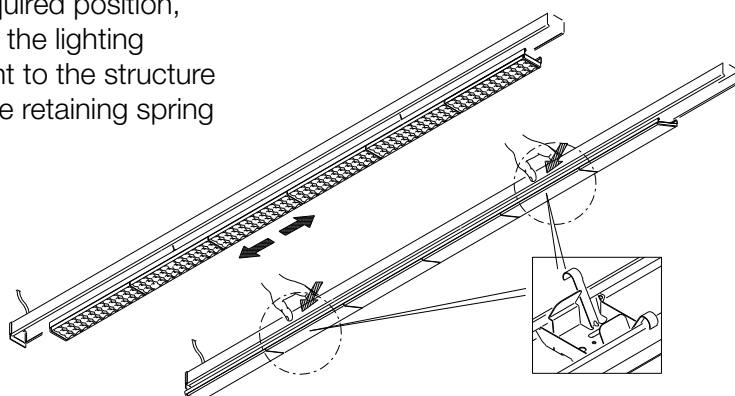


- System for the creation and composition of channels which combines the various electrical requirements with the specific lighting design requirements.
- Clean, minimalist lines.
- Its flexibility lends it to installation in commercial environments requiring high levels of lighting, and in circulation areas where it can be installed invisibly even in corners.
- Quick and easy installation.
- 12 different luminous distributions for multiple applications.
- Lengths of the structures and lighting units optimised in order to reduce installation times and investment (-20 % accessories to be purchased and installed with respect to standard lengths).
- All mechanical and electrical installation phases are tool free.
- Easy maintenance.
- Hidden sliding bracket on the structure.
- Quick adjuster for fast levelling.
- Connecting element already fitted.
- Through line up to 11 poles with power-supply pedestal and through plug/socket.
- Dual hidden springs for support and to prevent the lamp from falling, for maximum protection against accidental falls.
- Possibility of lighting units with different louvres, translucent polycarbonate diffusers and closing covers.
- Lighting units with different power ratings and cable types, integrated sensors also possible.

Installation requires just 3 steps, with limited tools required.

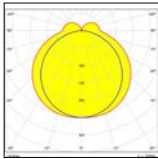
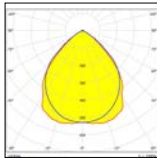
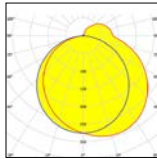
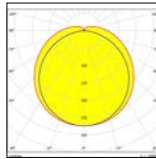


- ③ Once you have chosen the required position, secure the lighting element to the structure until the retaining spring clicks



# Linux

## Product range

Range	Linux DR			Linux D
Template	DR	DR UGR	DR AS	D
Power level	2x22 2x30	1x30 2x22	2x30	2x22 2x30
Photometric distribution				



### Linux DR

- DR UGR
- DR
- DR AS

### Linux D

- D

Available facilities

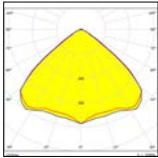
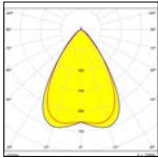
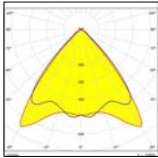
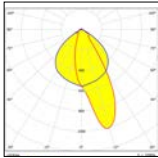
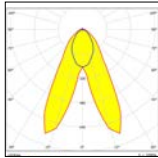
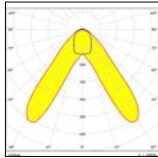
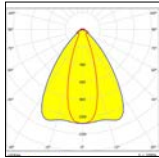
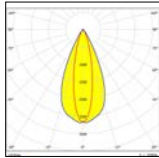
Linux S

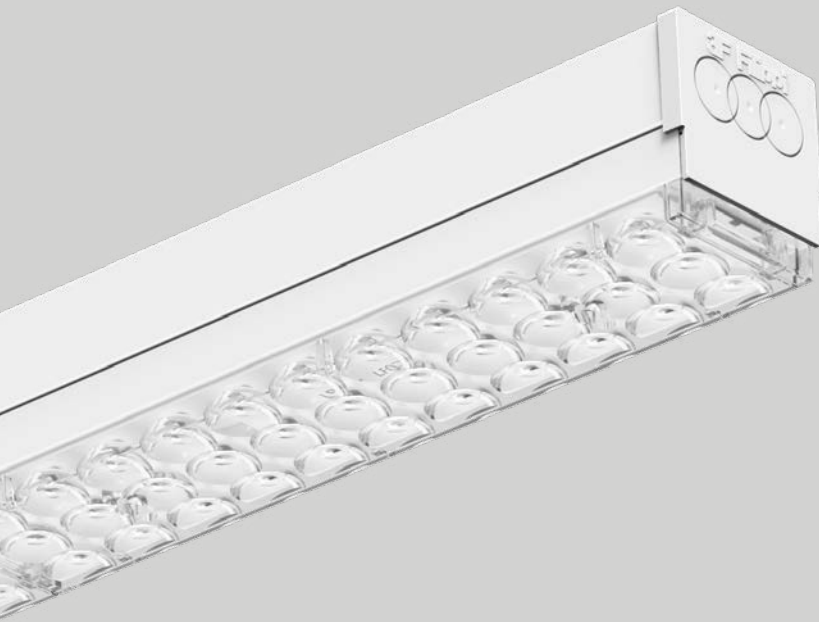
Matching modules

Linux L  
Linux DR  
Linux D  
Linux Track\*  
IP40 closing top\*

\*Non-illuminated modules

Linux L

AMPIO (Wide)	MEDIO (Medium)	UGR	AS	BAT	BAT WD	CONC	IPERCONC
40 50 60 85	40 50 60 85	50	40 50 60 85	40 50 60	40 50 60	60 85	60 85
							



Linux L

- AMPIO (Wide)
- MEDIO (Medium)
- UGR
- AS
- BAT
- BAT WD
- Concentrated
- Iperconcentrated

## Lighting channels composition guide IP40



Item	Structure length (metres)																	
	3.56	5.33	7.11	8.89	10.67	12.45	14.22	16.00	17.78	19.56	21.34	23.11	24.89	26.67	28.45	30.23	35.56	40.89
Linux S 5P/7P L3556	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	10	11
Linux S 5P/7P L1778	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
Linux L-D-DR L1778 lighting units	2	3	4	5	6	7	8	9	10	11	12	13	14	14	16	17	20	23
Pair of Linux closing end caps										1								
Sliding bracket 0483	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	11	13
Linux S 5P/7P plug-socket terminal block										1								
Suspensions for Linux without regulator	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	11	13
Earth	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3

The number of sliding brackets and suspensions has been calculated on the basis of 2 for the first bar and 1 for the following ones making up the channel. The installer must check whether existing structural limitations require the number to be increased.

**Optional components: replace (in the same number) the standard components which perform the same functions.**

Item	Structure length (metres)																	
	3.56	5.33	7.11	8.89	10.67	12.45	14.22	16.00	17.78	19.56	21.34	23.11	24.89	26.67	28.45	30.23	35.56	40.89
Closing top L1778 for Linux L-D										0								
Plug-socket terminal block 5P/7P for power supply from centre of channel										1								
Loose contact for plug										1								
Hook for chain, stainless steel	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	11	13
S hook for chain with Linux sliding bracket	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	11	13

Note: the closing top has a value of zero because it is the same length as the lighting units (and so can be substituted for them in the same measure).







# Linux S | IP40

Fast mounting rail-system - Mounting rail IP40

This fixture makes it possible to create light channels with IP40 protection.

Modular and flexible structural system with small dimensions to create continuous channels and compositions, transport electrical lines and fixing of various types of products.

Quick and easy ceiling or pendant installation.

## Construction characteristics

### Mechanical characteristics

Hot-galvanized wired structure, painted in polyester base white, obtained through rolling process.

Linear connecting element in hot galvanized steel for the formation of continuous channels. Standard on L3556 versions (optional for other lengths). For the completion accessories see accessories on page 28.

## On request

- structure and accessories in different RAL colors
- through-wiring up to 11 poles

## Accessories

Accessories on page 28.

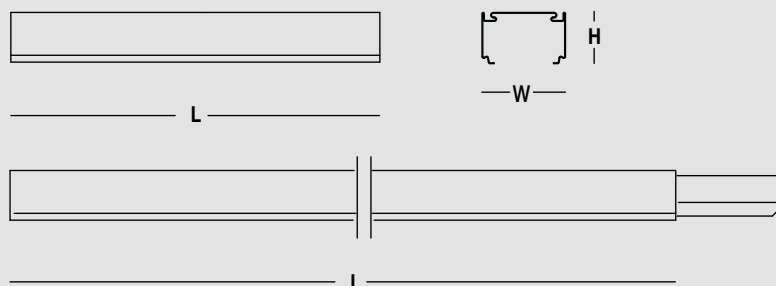
## Applications

Environments: commercial, exhibition areas, transit areas, lobbies or waiting rooms, shops, schools.

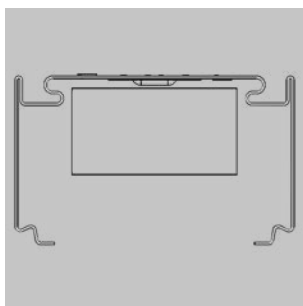
## Installation

Ceiling, suspension or wall installation.

### Dimensions



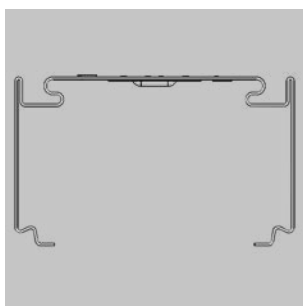
## Linux S | IP40



Supporting structure with 7- or 11-pole through power supply lines with H07Z-U Halogen Free cables (2.5 mm<sup>2</sup> HT90 cross-section), equipped with quick connection start/end channel terminal blocks, non-reversible with intermediate power sockets. 2 sockets for 3556 mm structures, 1 socket for 1778 mm.  
Terminals Assignment: (7P=L1/L2/L3/N/PE/+/-, 11P=, 7P=L1/L2/L3/N/PE/+/-/s and 2 x 2 conductors for up to two separate emergency lighting networks (DC or AC).  
Electrical feeding possible at the beginning or centre of the continuous row.  
Feeding input on top (at the beginning or in the middle of the structure).

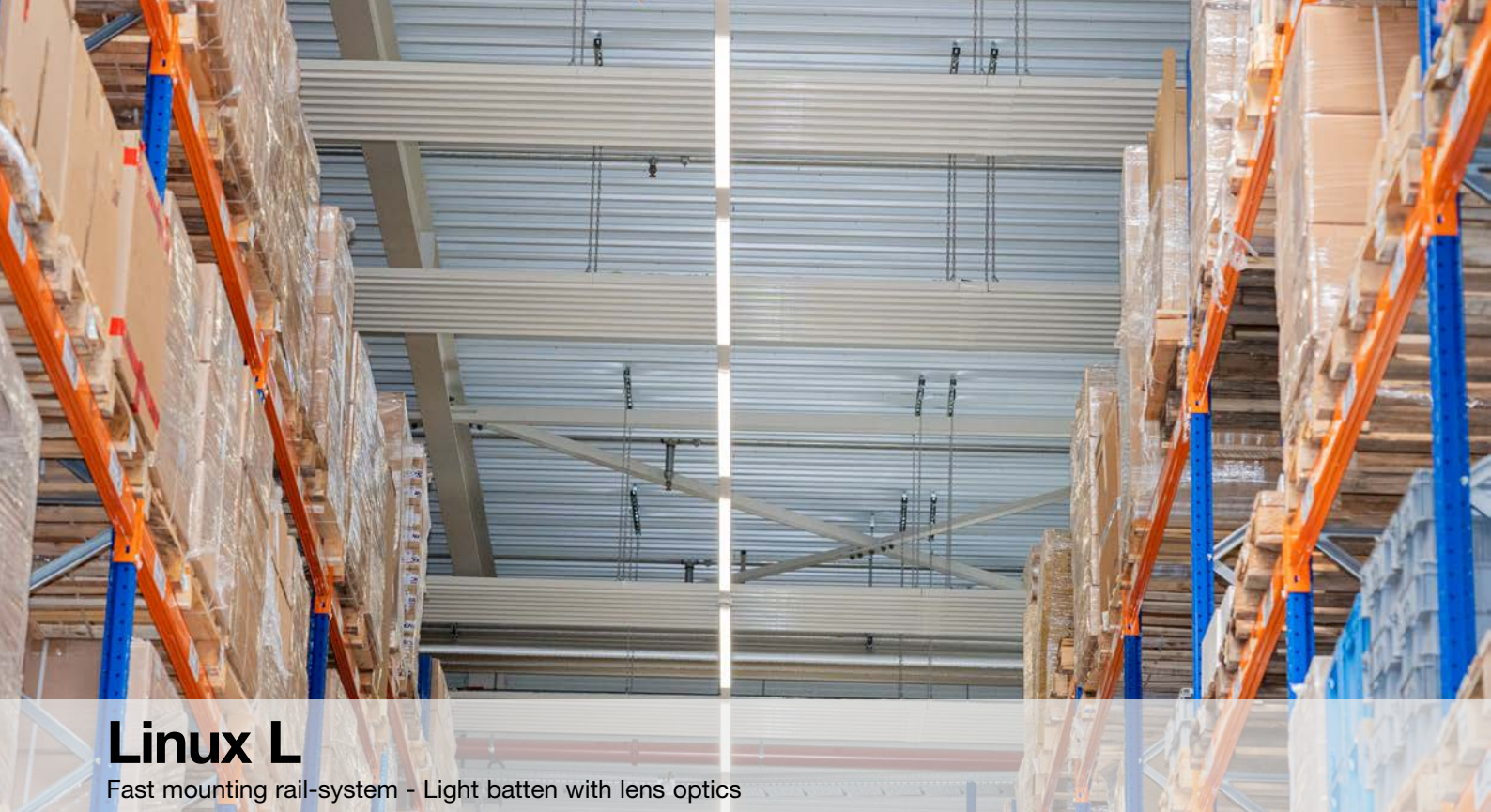
Order No.	Item	PU	Dimensions L x W x H
<b>LIX263036H</b>	Linux S 7P L1778	1	1778x62x38
<b>LIA20026</b>	Linux S 7P L1778	2	1778x62x38
<b>LIX264038H</b>	Linux S 11P L1778	1	1778x62x38
<b>LIA20040</b>	Linux S 11P L1778	2	1778x62x38
<b>LIX262035H</b>	Linux S 7P L3556 Mechanic connector are pre-assembled for 2-length mounting rails (3556mm)	1	3556x62x38
<b>LIA20024</b>	Linux S 7P L3556 Mechanic connector are pre-assembled for 2-length mounting rails (3556mm)	2	3556x62x38
<b>LIX264037H</b>	Linux S 11P L3556 Mechanic connector are pre-assembled for 2-length mounting rails (3556mm)	1	3556x62x38
<b>LIA20039</b>	Linux S 11P L3556 Mechanic connector are pre-assembled for 2-length mounting rails (3556mm)	2	3556x62x38

## Linux S-NL | IP40



Supporting structure WITHOUT power supply line.  
Polycarbonate reinforced cable supports (for use every 500 mm approx.).  
Feeding input on top (at the beginning or in the middle of the structure).  
Suitable for mounting Linda moisture-proof diffuser luminaires in conjunction with the mounting bracket LIA20489.

Order No.	Item	PU	Dimensions L x W x H
<b>LIX259032H</b>	Linux S NL L1778	1	1778x62x38
<b>LIA20012</b>	Linux S NL L1778	2	1778x62x38
<b>LIX258031H</b>	Linux S NL L3556 Mechanic connector are pre-assembled for 2-length mounting rails (3556mm)	1	3556x62x38
<b>LIA20011</b>	Linux S NL L3556 Mechanic connector are pre-assembled for 2-length mounting rails (3556mm)	2	3556x62x38



# Linux L

Fast mounting rail-system - Light batten with lens optics

## Construction characteristics

### Illuminotechnical characteristics

Direct distribution.

Lifetime (L92/B10): 30000 h. (tq+25°C)

Lifetime (L85/B10): 50000 h. (tq+25°C)

Lifetime (L80/B10): 80000 h. (tq+25°C)

Lifetime (L75/B10): 100000 h. (tq+25°C)

Photobiological safety RG0 unlimited, risk exempt, in compliance with IEC 62471, IEC/TR 62778.

### Mechanical characteristics

Light unit in hot-galvanized steel, painted in white polyester base with fixing springs and retractable safety hooks in stainless steel.

PMMA lenses with external flat surface (superimposed to obtain full protection of LED modules).

### Electrical characteristics

Connection to the structure with mobile plug with phase selection (H05Z-U

Halogen Free cable section 0,5 mm<sup>2</sup> HT90).

## Source characteristics

- Linear LED modules.
- Color initial tolerance (MacAdam): SDCM 3.

## On request

- different powers
- LED sources with different colour temperatures
- maintained emergency
- integrated light sensor
- HACCP versions for use in the food industry
- housing in different RAL colours

## Accessories

Accessories on page 28.

## Applications

Environments: industrial, commercial, exhibition areas, transit areas, lobbies or waiting rooms, shops.

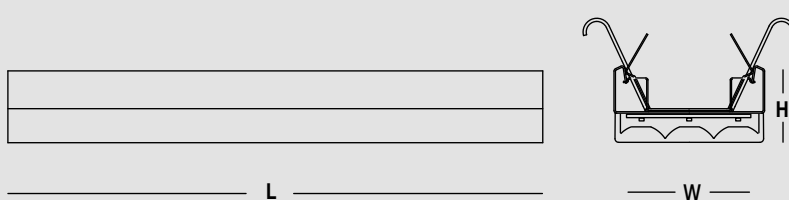
### UGR version

Environments: staterooms, with VDTs, offices.

## Installation

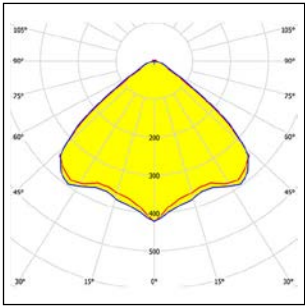
This lighting unit can be installed on profile Linux S | IP40 (see dedicated product pages).

## Dimensions



# Linux L AMPIO (Wide)

Order No. LIA20127



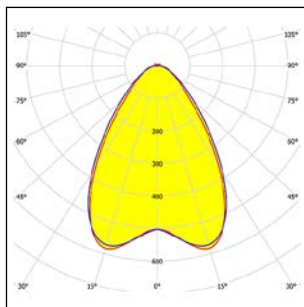
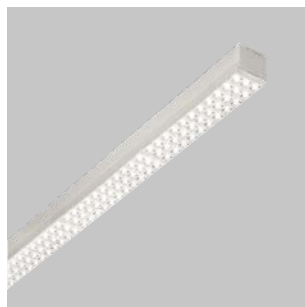
Wide distribution.  
Structure height (Linux S | IP40 + Linux L) equal to 65 mm.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
EVG 230V-50/60Hz						
LIA20127	Linux L 40 LED AMPIO L1778	42	6936	4000	>80	1778x62x32
LIA20126	Linux L 50 LED AMPIO L1778	53	8247	4000	>80	1778x62x32
LIA20125	Linux L 60 LED AMPIO L1778	64	9855	4000	>80	1778x62x32
LIA20124	Linux L 85 LED AMPIO L1778	97	14086	4000	>80	1778x62x32
EVG DALI 230V-50/60Hz						
LIA20141	Linux L 40 LED DALI AMPIO L1778	42	6936	4000	>80	1778x62x32
LIA20140	Linux L 50 LED DALI AMPIO L1778	53	8247	4000	>80	1778x62x32
LIA20139	Linux L 60 LED DALI AMPIO L1778	64	9855	4000	>80	1778x62x32
LIA20138	Linux L 85 LED DALI AMPIO L1778	97	14086	4000	>80	1778x62x32



## Linux L MEDIO (Medium)

Art.-Nr. LI A20755



Medium distribution.

Structure height (Linux S | IP40 + Linux L) equal to 65 mm.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
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### EVG 230V-50/60Hz

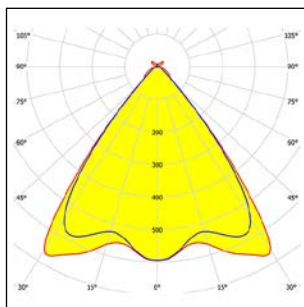
LIA20757	Linux L 40 LED MEDIO L1778	42	6843	4000	>80	1778x62x32
LIA20756	Linux L 50 LED MEDIO L1778	53	8136	4000	>80	1778x62x32
LIA20755	Linux L 60 LED MEDIO L1778	64	9723	4000	>80	1778x62x32
LIA20754	Linux L 85 LED MEDIO L1778	97	13898	4000	>80	1778x62x32

### EVG DALI 230V-50/60Hz

LIA20762	Linux L 40 LED DALI MEDIO L1778	42	6843	4000	>80	1778x62x32
LIA20761	Linux L 50 LED DALI MEDIO L1778	53	8136	4000	>80	1778x62x32
LIA20760	Linux L 60 LED DALI MEDIO L1778	64	9723	4000	>80	1778x62x32
LIA20759	Linux L 85 LED DALI MEDIO L1778	97	13898	4000	>80	1778x62x32

## Linux L UGR (Glare-free)

Order No. LIA20661



$L < 3000 \text{ cd/m}^2 \text{ } 65^\circ$



Controlled symmetric distribution.

Average luminance  $< 3000 \text{ cd/m}^2$  for radial angles  $> 65^\circ$ .

Structure height (Linux S | IP40 + Linux L) equal to 65 mm.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
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### EVG 230V-50/60Hz

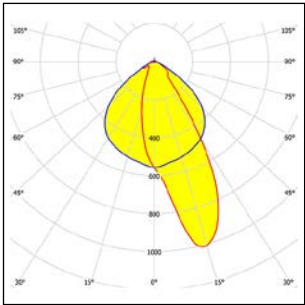
LIA20661	Linux L 50 LED UGR L1778	53	8230	4000	>80	1778x62x32
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### EVG DALI 230V-50/60Hz

LIA20667	Linux L 50 LED DALI UGR L1778	53	8230	4000	>80	1778x62x32
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# Linux L AS (Asymmetric)

Order No. LIA20744

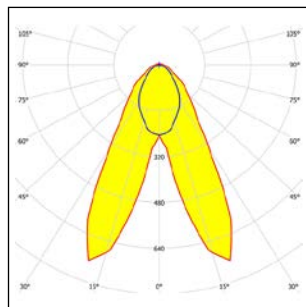


Asymmetric distribution.  
Structure height (Linux S | IP40 + Linux L) equal to 65 mm.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
<b>EVG 230V-50/60Hz</b>						
LIA20747	Linux L 40 LED AS L1778	42	6957	4000	>80	1778x62x32
LIA20746	Linux L 50 LED AS L1778	53	8272	4000	>80	1778x62x32
LIA20745	Linux L 60 LED AS L1778	64	9886	4000	>80	1778x62x32
LIA20744	Linux L 85 LED AS L1778	97	14130	4000	>80	1778x62x32
<b>EVG DALI 230V-50/60Hz</b>						
LIA20752	Linux L 40 LED DALI AS L1778	42	6957	4000	>80	1778x62x32
LIA20751	Linux L 50 LED DALI AS L1778	53	8272	4000	>80	1778x62x32
LIA20750	Linux L 60 LED DALI AS L1778	64	9886	4000	>80	1778x62x32
LIA20749	Linux L 85 LED DALI AS L1778	97	14130	4000	>80	1778x62x32

## Linux L BAT (Double, asymmetric)

Order No. LIA20085



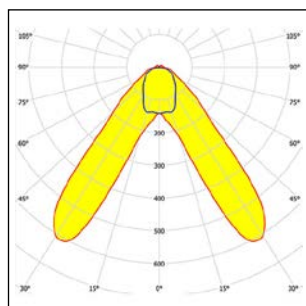
Double asymmetrical distribution.

Structure height (Linux S | IP40 + Linux L) equal to 65 mm.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
<b>EVG 230V-50/60Hz</b>						
LIA20085	Linux L 40 LED BAT L1778	42	6950	4000	>80	1778x62x32
LIA20084	Linux L 50 LED BAT L1778	53	8264	4000	>80	1778x62x32
LIA20083	Linux L 60 LED BAT L1778	64	9876	4000	>80	1778x62x32
<b>EVG DALI 230V-50/60Hz</b>						
LIA20099	Linux L 40 LED DALI BAT L1778	42	6950	4000	>80	1778x62x32
LIA20098	Linux L 50 LED DALI BAT L1778	53	8264	4000	>80	1778x62x32
LIA20097	Linux L 60 LED DALI BAT L1778	64	9876	4000	>80	1778x62x32

## Linux L BAT WD (Wide, double, asymmetric)

Order No. LIA20610



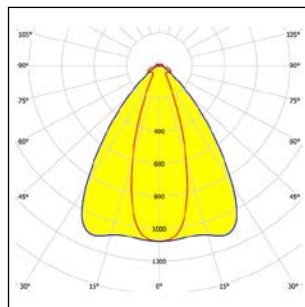
Wide double asymmetric distribution.

Structure height (Linux S | IP40 + Linux L) equal to 65 mm.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
<b>EVG 230V-50/60Hz</b>						
LIA20610	Linux L 40 LED BAT WD L1778	42	6928	4000	>80	1778x62x32
LIA20609	Linux L 50 LED BAT WD L1778	53	8238	4000	>80	1778x62x32
LIA20608	Linux L 60 LED BAT WD L1778	64	9845	4000	>80	1778x62x32
<b>EVG DALI 230V-50/60Hz</b>						
LIA20624	Linux L 40 LED DALI BAT WD L1778	42	6928	4000	>80	1778x62x32
LIA20623	Linux L 50 LED DALI BAT WD L1778	53	8238	4000	>80	1778x62x32
LIA20622	Linux L 60 LED DALI BAT WD L1778	64	9845	4000	>80	1778x62x32

## Linux L CONC (Narrow beam)

Order No. LIA20167



Wide distribution with rectangular shape.

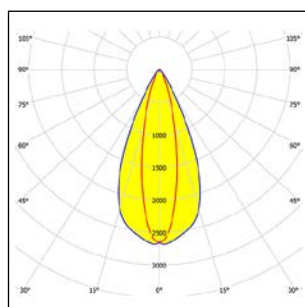
Structure height (Linux S | IP40 + Linux L) equal to 65 mm.

Recommended minimum installation height: 5 meters from the ground.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
<b>EVG 230V-50/60Hz</b>						
LIA20167	Linux L 60 LED CONC L1778	64	9662	4000	>80	1778x62x32
LIA20166	Linux L 85 LED CONC L1778	97	13810	4000	>80	1778x62x32
<b>EVG DALI 230V-50/60Hz</b>						
LIA20181	Linux L 60 LED DALI CONC L1778	64	9662	4000	>80	1778x62x32
LIA20180	Linux L 85 LED DALI CONC L1778	97	13810	4000	>80	1778x62x32

## Linux L IPERCONC (Extremely narrow beam)

Order No. LIA20684



Symmetrical elliptical hyperconcentrated distribution.

Structure height (Linux S | IP40 + Linux L) equal to 65 mm.

Recommended minimum installation height: 5 meters from the ground.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
<b>EVG 230V-50/60Hz</b>						
LIA20685	Linux L 60 LED IPERCONC L1778	64	9418	4000	>80	1778x62x32
LIA20684	Linux L 85 LED IPERCONC L1778	97	13462	4000	>80	1778x62x32
<b>EVG DALI 230V-50/60Hz</b>						
LIA20699	Linux L 60 LED DALI IPERCONC L1778	64	9418	4000	>80	1778x62x32
LIA20698	Linux L 85 LED DALI IPERCONC L1778	97	13462	4000	>80	1778x62x32

# Linux L

## Design reference tables - Installation **ACROSS** aisles



### Design data:

Maintenance factor	K = 0.90
Reflection	ceiling 50% walls 50% floor 40%
Shelves	height 2.20 metres reflection 40%
Work surface height	0.85 metres
Aisle width	2 metres

### Luminaire: **Linux L 85 AMPIO**

Installation pitch (metres)	Calculation surface	Installation height (metres)				
		3	3.5	4	4.5	5
3	Horizontal aisle	1601	1598	1571	1561	1569
	Vertical shelf	813	802	800	792	798
3.5	Horizontal aisle		1353	1348	1336	1341
	Vertical shelf		684	687	679	686
4	Horizontal aisle		1181	1177	1167	1172
	Vertical shelf		599	600	594	598
4.5	Horizontal aisle			1050	1042	1043
	Vertical shelf			540	529	532
5	Horizontal aisle				939	937
	Vertical shelf				481	478
5.5	Horizontal aisle					859
	Vertical shelf					439

### Luminaire: **Linux L 60 AMPIO**

Installation pitch (metres)	Calculation surface	Installation height (metres)				
		3	3.5	4	4.5	5
3	Horizontal aisle	1196	1194	1173	1166	1171
	Vertical shelf	607	599	598	591	596
3.5	Horizontal aisle		1010	1007	997	1002
	Vertical shelf		511	513	508	512
4	Horizontal aisle		882	879	871	876
	Vertical shelf		447	448	443	446
4.5	Horizontal aisle			784	778	779
	Vertical shelf			403	395	398
5	Horizontal aisle				702	700
	Vertical shelf				359	357
5.5	Horizontal aisle					641
	Vertical shelf					328

### Luminaire: **Linux L 50 AMPIO**

Installation pitch (metres)	Surface	Installation height (metres)				
		3	3.5	4	4.5	5
3	Horizontal aisle	1014	1012	995	989	993
	Vertical shelf	515	508	507	501	506
3.5	Horizontal aisle		856	854	846	849
	Vertical shelf		434	435	430	435
4	Horizontal aisle		748	745	739	743
	Vertical shelf		379	381	376	378
4.5	Horizontal aisle			666	660	660
	Vertical shelf			341	335	337
5	Horizontal aisle				595	594
	Vertical shelf				305	303
5.5	Horizontal aisle					544
	Vertical shelf					278

### Luminaire: **Linux L 40 AMPIO**

Installation pitch (metres)	Surface	Installation height (metres)				
		3	3.5	4	4.5	5
3	Horizontal aisle	854	852	838	833	836
	Vertical shelf	434	428	427	423	425
3.5	Horizontal aisle		722	719	712	716
	Vertical shelf		365	367	363	366
4	Horizontal aisle		630	628	622	625
	Vertical shelf		319	320	317	319
4.5	Horizontal aisle			561	555	557
	Vertical shelf			287	282	284
5	Horizontal aisle				501	499
	Vertical shelf				257	255
5.5	Horizontal aisle					458
	Vertical shelf					234

### Notes:

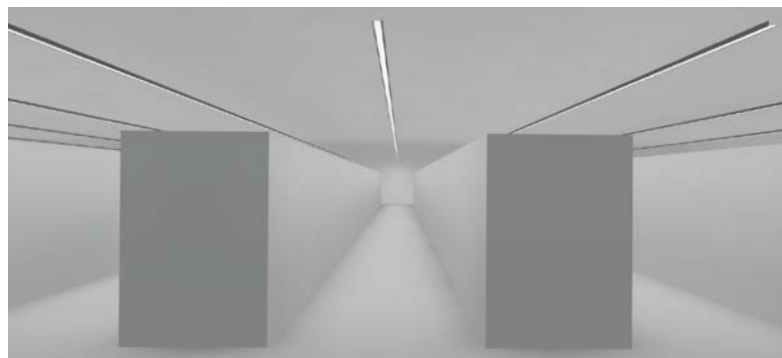
The values in the tables are given in lux (lx).

■ Wide distrib.

■ Not recommended



## Design reference tables - Installation **ALONG** aisles Up to 5 metres height



### Design data:

Maintenance factor	K = 0.90
Reflection	ceiling 50% walls 50% floor 40%
Shelves	height 2.20 metres reflection 40%
Work surface height	0.85 metres
Aisle width	2 metres

### Luminaire: **Linux L AMPIO**

Luminaire power	Calculation surface	Installation height (metres)				
		3	3.25	3.5	3.75	4
85 AMPIO	Horizontal aisle	1946	1728	1604	1483	1416
	Vertical shelf	1161	1064	947	855	782
60 AMPIO	Horizontal aisle	1453	1290	1198	1108	1058
	Vertical shelf	867	795	707	639	584
50 AMPIO	Horizontal aisle	1233	1094	1015	939	897
	Vertical shelf	736	674	600	542	495
40 AMPIO	Horizontal aisle	1038	921	855	791	756
	Vertical shelf	619	568	505	457	418

### Luminaire: **Linux L MEDIUM**

Luminaire power	Calculation surface	Installation height (metres)				
		3	3.25	3.5	3.75	4
85 MEDIUM	Horizontal aisle	2513	2331	2170	2032	1918
	Vertical shelf	1050	1060	1034	988	934
60 MEDIUM	Horizontal aisle	1877	1741	1621	1518	1432
	Vertical shelf	784	792	772	738	697
50 MEDIUM	Horizontal aisle	1592	1477	1375	1287	1215
	Vertical shelf	666	672	654	625	591
40 MEDIUM	Horizontal aisle	1341	1243	1158	1084	1023
	Vertical shelf	561	566	551	527	498

### Luminaire: **Linux L BAT**

Luminaire power	Calculation surface	Installation height (metres)				
		3	3.25	3.5	3.75	4
60 BAT	Horizontal aisle	1408	1251	1116	995	923
	Vertical shelf	890	863	825	792	740
50 BAT	Horizontal aisle	1194	1061	947	844	783
	Vertical shelf	755	731	700	672	628
40 BAT	Horizontal aisle	1005	894	797	711	659
	Vertical shelf	636	616	589	566	529

### Luminaire: **Linux BAT WD**

Luminaire power	Calculation surface	Installation height (metres)				
		3	3.25	3.5	3.75	4
60 BAT WD	Horizontal aisle	1073	915	803	699	616
	Vertical shelf	1028	969	869	763	655
50 BAT WD	Horizontal aisle	909	776	682	593	523
	Vertical shelf	872	822	737	648	555
40 BAT WD	Horizontal aisle	766	653	573	499	440
	Vertical shelf	735	692	621	545	467

### Notes:

The values in the tables are given in lux (lx).

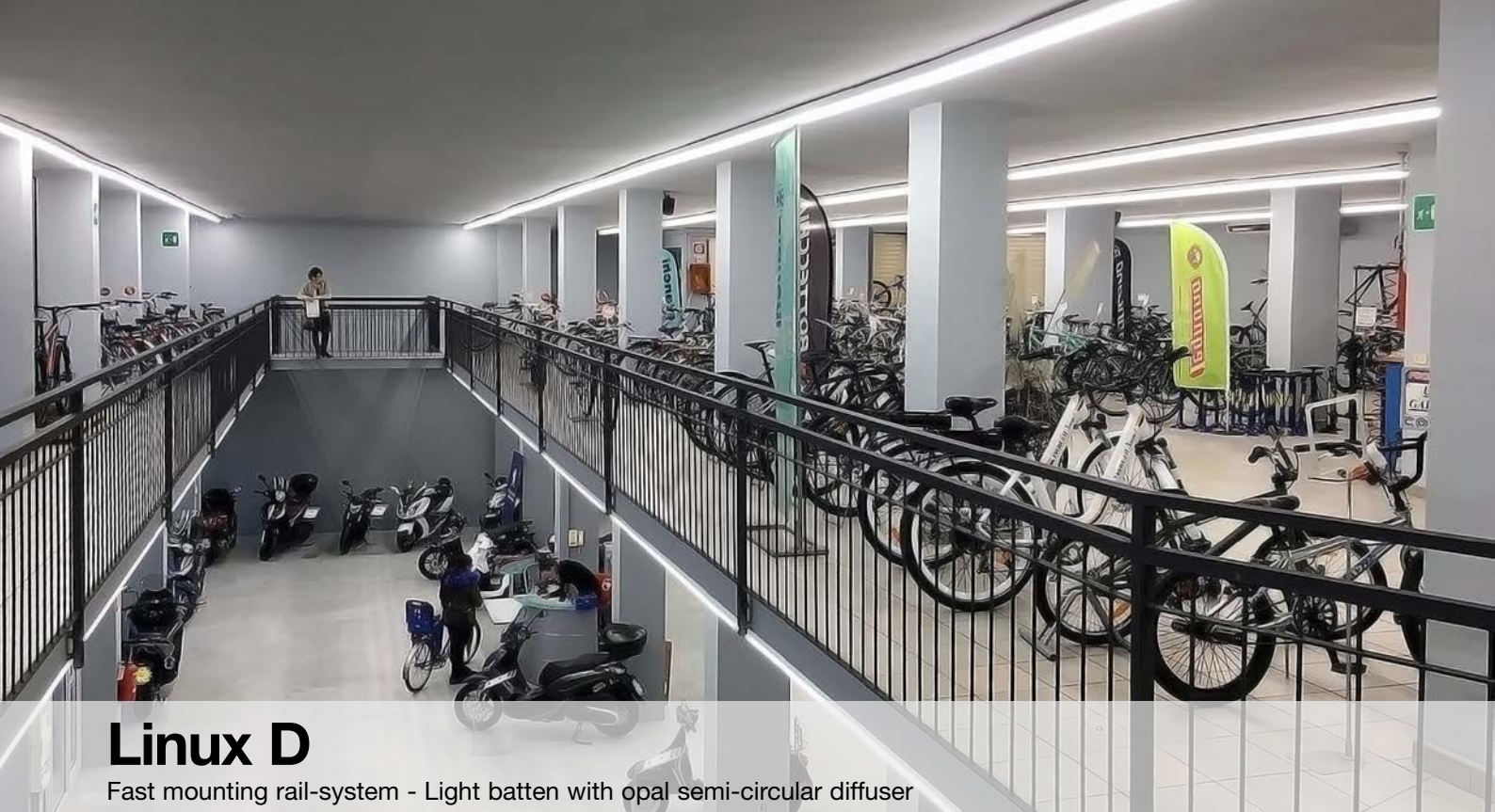
## Design reference tables - Installation **ALONG** aisles Over 5 metres height

### Design data:

<b>Reflection</b>		<b>Shelves</b>		<b>Work surface height</b>	0.85 metres
ceiling	50%	height	4.5 / 5.5 / 6.5 / 7.5 metres	<b>Aisle width</b>	2 metres
walls	50%	reflection	40%		
floor	40%				

### Luminaire: **Linux L CONC**

Luminaire power	Calculation surface	Installation height (metres)			
		5	6	7	8
85 CONC	Horizontal aisle	2106	1830	1595	1403
	Vertical shelf	541	506	473	439
60 CONC	Horizontal aisle	1573	1366	1191	1048
	Vertical shelf	404	377	353	328



# Linux D

Fast mounting rail-system - Light batten with opal semi-circular diffuser

## Construction characteristics

### Illuminotechnical characteristics

Diffused symmetric distribution.

Lifetime (L92/B10): 30000 h. (tq+25°C)

Lifetime (L85/B10): 50000 h. (tq+25°C)

Lifetime (L80/B10): 80000 h. (tq+25°C)

Lifetime (L75/B10): 100000 h. (tq+25°C)

Photobiological safety RG0 unlimited, risk exempt, in compliance with IEC 62471, IEC/TR 62778.

### Mechanical characteristics

Light unit in hot-galvanized steel, painted in white polyester base with fixing springs and retractable safety hooks in stainless steel.

Curved screen in self-extinguishing polycarbonate, UV stabilized, opal, with smooth outer surface.

### Electrical characteristics

Connection to the structure with mobile

plug with phase selection (H05Z-U

Halogen Free cable section 0,5 mm<sup>2</sup>

HT90).

## Source characteristics

- Linear LED modules.
- Color initial tolerance (MacAdam): SDCM 3.

## On request

- asymmetric lighting distribution
- different powers
- LED sources with different colour temperatures
- maintained emergency
- housing in different RAL colours

## Accessories

Accessories on page 28.

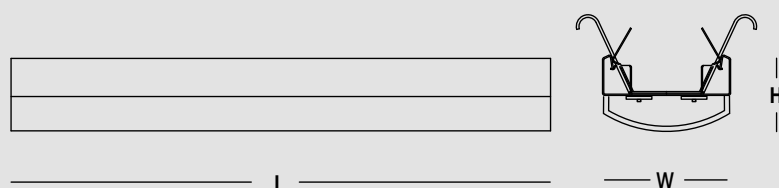
## Applications

Environments: commercial, exhibition areas, transit areas, lobbies or waiting rooms, shops, schools.

## Installation

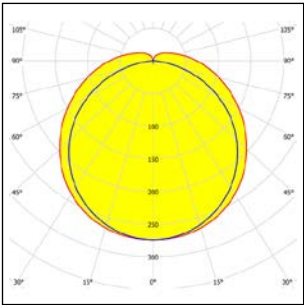
This lighting unit can be installed only on profile Linux S | IP40 (see dedicated product pages).


## Dimensions





# Linux D (Opal semi-circular diffuser)


Order No. LIA20336























Diffuse distribution.  
Structure height (Linux S + Linux D) equal to 81 mm.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
<b>EVG 230V-50/60Hz</b>						
LIA20336	Linux D 2x22 LED L1778	49	6214	4000	>80	1778x62x47
LIA20335	Linux D 2x30 LED L1778	70	7835	4000	>80	1778x62x47
<b>EVG DALI 230V-50/60Hz</b>						
LIA20350	Linux D 2x22 LED DALI L1778	49	6214	4000	>80	1778x62x47
LIA20349	Linux D 2x30 LED DALI L1778	70	7835	4000	>80	1778x62x47



# Linux DR

Fast mounting rail-system - Light batten with rectangular diffuser

## Construction characteristics

### Illuminotechnical characteristics

Direct distribution.

Lifetime (L92/B10): 30000 h. (tq+25°C)

Lifetime (L85/B10): 50000 h. (tq+25°C)

Lifetime (L80/B10): 80000 h. (tq+25°C)

Lifetime (L75/B10): 100000 h. (tq+25°C)

Photobiological safety RG0 unlimited, risk exempt, in compliance with IEC 62471, IEC/TR 62778.

### Mechanical characteristics

Light unit in hot-galvanized steel, painted in white polyester base with fixing springs and retractable safety hooks in stainless steel.

Rectangular screen in self-extinguishing polycarbonate, UV stabilized, with smooth outer surface.

### Electrical characteristics

Connection to the structure with mobile plug with phase selection (H05Z-U

Halogen Free cable section 0,5 mm<sup>2</sup> HT90).

## Source characteristics

- Linear LED modules.
- Color initial tolerance (MacAdam): SDCM 3.

## On request

- different powers
- LED sources with different colour temperatures
- maintained emergency
- housing in different RAL colours

## Accessories

Accessories on page 28.

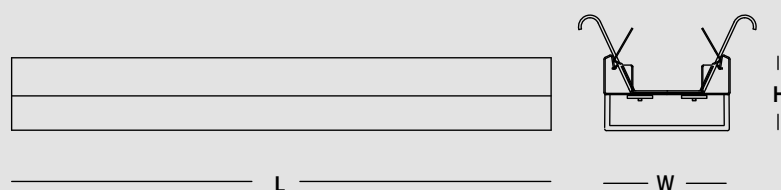
## Applications

Environments: commercial, exhibition areas, transit areas, lobbies or waiting rooms, shops, schools.

## Installation

This lighting unit can be installed only on profile Linux S | IP40 (see dedicated product pages).

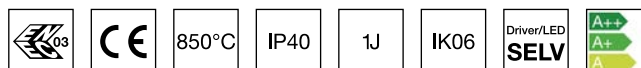
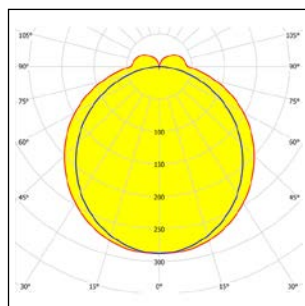
## Dimensions





## Linux RD (Rectangular opal diffuser)

Order No. LIA20512

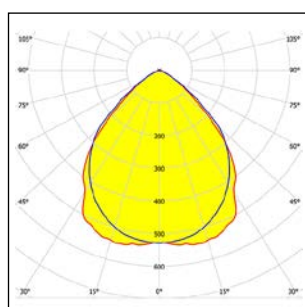


Diffused symmetric distribution.  
Rectangular opal polycarbonate diffuser.  
Structure height (Linux S + Linux DR) equal to 81 mm.

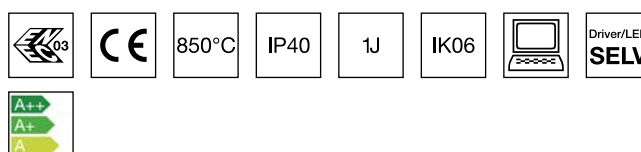
Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
<b>EVG 230V-50/60Hz</b>						
LIA20512	Linux DR 2x22 LED L1778	49	6230	4000	>80	1778x62x47
LIA20511	Linux DR 2x30 LED L1778	70	7856	4000	>80	1778x62x47
<b>EVG DALI 230V-50/60Hz</b>						
LIA20526	Linux DR 2x22 LED DALI L1778	49	6230	4000	>80	1778x62x47
LIA20525	Linux DR 2x30 LED DALI L1778	70	7856	4000	>80	1778x62x47

## Linux DR UGR (Aluminium internal louvre in rectangular PC diffuser)

Order No. LIA20596



$L < 3000 \text{ cd/m}^2 \text{ } 65^\circ$



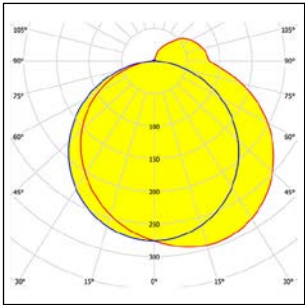
Controlled symmetric distribution.  
1x30 - Average luminance  $< 1500 \text{ cd/m}^2$  for radial angles  $> 65^\circ$ .  
2x22 - Average luminance  $< 3000 \text{ cd/m}^2$  for radial angles  $> 65^\circ$ .  
Rectangular transparent polycarbonate diffuser.  
Semi-specular aluminium internal louvre with prismatic methacrylate filter above the louvre blades for complete shielding of the louvre compartment.  
Structure height (Linux S + Linux DR) equal to 81 mm.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
<b>EVG 230V-50/60Hz</b>						
LIA20595	Linux DR 1x30 LED UGR L1778	35	3487	4000	>80	1778x62x47
LIA20596	Linux DR 2x22 LED UGR L1778	49	5341	4000	>80	1778x62x47
<b>EVG DALI 230V-50/60Hz</b>						
LIA20599	Linux DR 1x30 LED DALI UGR L1778	35	3487	4000	>80	1778x62x47
LIA20600	Linux DR 2x22 LED DALI UGR L1778	49	5341	4000	>80	1778x62x47



# Linux DR AS (Rectangular opal diffuser with asymmetric distribution)

Order No. LIA20674



Asymmetric distribution.  
Rectangular opal polycarbonate diffuser.  
Internal flow recuperator in white steel.  
Structure height (Linux S + Linux DR) equal to 81 mm.

Order No.	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x W x H
<b>EVG 230V-50/60Hz</b>						
LIA20674	Linux DR 2x30 LED AS L1778	70	6403	4000	>80	1778x62x47
<b>EVG DALI 230V-50/60Hz</b>						
LIA20679	Linux DR 2x30 LED DALI AS L1778	70	6403	4000	>80	1778x62x47





# Linux Track

Fast mounting rail-system - Mounting rail with conductor rail

## Construction characteristics

### Mechanical characteristics

Light unit in hot-galvanized steel with white polyester powder coating, with retractable fastening clips and stainless steel safety hooks.

Electrified busbar made from extruded white aluminium, Eurostandard Plus compliant.

The wires are enclosed in rigid extruded profiles made of PVC insulating material with high dielectric strength.

Length of the electrified busbar: 1500 mm.

### Electrical characteristics

Connection to the structure with mobile 7-pin plug with phase selection (H05Z-U Halogen Free cable section 0.5 mm<sup>2</sup> HT90).

(L1/L2/L3/N/GRD/DA/DA) 16A/440V 2x1A/50V FELV AC (DALI).

Copper conductors.

## On request

- black electrified busbar

## Accessories

Accessories on page 28.

## Installation

This unit can be installed only on profile Linux S (see dedicated product pages).

Die Stromschiene ist passend für Leuchten mit Adapter welche dem Eurostandard Plus entsprechen. Nachstehende Adapter folgender Hersteller wurden getestet und sind kompatibel.

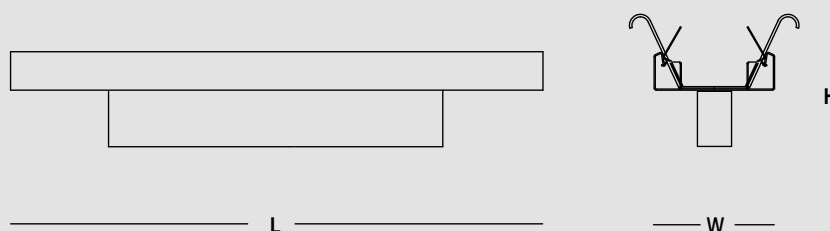
### 3-Phase Adapter

Manufacturer	Code
Eutrac	99-759
Iguzzini	K777
Ivela	7601
Lumisys Unipro	A75
Nordic Global	GA69
Nordic Global	GA100
Nordic Global	XTSA 68
Powergear	Pro-0440
Powergear	Pro-0440-S
Reggiani	2270
Stuchi	9000
Targetti	N55...
Zumtobel	T 12076

### 3-Phase + DALI Adapter

Manufacturer	Code
Nordic Global	GAC 69
Nordic Global	GAC 600
Stuchi	9000

## Dimensions



# Linux Track



Eurostandard Plus 6-conductor (plus earth) busbar (L1/L2/L3/N/GRD/DA/DA) 16A/440V with power supply cap and closing cap.

Order No.	Item	Dimensions L x W x H
LIA20424	Linux TK L1778	1778x62x57

# Linux

## Accessories



Sliding bracket with regulator for suspension installation.

**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
-----------	------

<b>LIA5AH</b>	LINUX GR Sliding bracket with regulator for suspension installation without Seal
---------------	--



Rope for LINUX GR Sliding bracket.

Order No.	Item
-----------	------

<b>LIGRSP1LG3</b>	LINUX GR Rope 3m long, Ø 1,5mm, with loop
-------------------	---



Rope for LINUX GR Sliding bracket.

Order No.	Item
-----------	------

<b>LIGRSP1LGH3</b>	LINUX GR Rope 3m long, Ø 1,5mm, for trapezoidal sheet
--------------------	---



Rope for LINUX GR Sliding bracket.

Order No.	Item
-----------	------

<b>LIGRSPBB6G</b>	LINUX GR Rope 5m long, Ø 1,5mm, with nipple and ceiling sleeve
-------------------	--

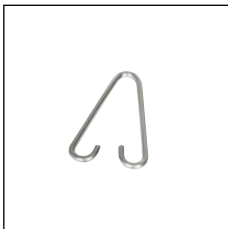


Free-position sliding bracket in stainless steel.

**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
-----------	------

<b>LIA20451</b>	LINUX Z MB-D Sliding bracket for ceiling installation
-----------------	---



Hook to suspended luminaires to a chain.

**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
-----------	------

LIA20452	LINUX Z MB Stainless steel hook for chain
----------	---

These accessories must ALWAYS be used with one of the following codes: LIA20451.



Free-position sliding bracket in stainless steel.

**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
-----------	------

<b>LIA20453</b>	LINUX Z MB-P S-shaped chain hook with sliding bracket Linux
-----------------	---

Supplied with S-hook for galvanized steel chain.





Safety screw for locking the sliding bracket, made of hot galvanized steel.  
**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
LIA20474	LINUX Z MB Safety screw for locking the sliding bracket

These accessories must ALWAYS be used with one of the following codes: LIA20450 - LIA20451 - LIA20453.



Element to connect in between them Linux S bars.  
**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
<b>LIA20433</b>	LINUX Z S Linear connecting element for Linux



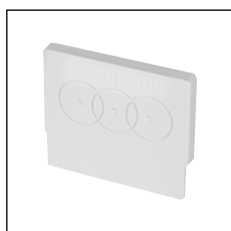
T-shaped connecting element for Linux S structures, in hot-galvanized steel.  
**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
LIA20434	LINUX Z S T-Connecting element for Linux



L-shaped connecting element for Linux S structures, in hot-galvanized steel.  
**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
LIA20436	LINUX Z S L-Connecting element for Linux



Pair of closing end Linux S, made of white polycarbonate.  
**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
<b>LIA20448</b>	LINUX Z S Pair of closing end Linux

850°C



Safety bracket in white painted steel to secure lighting elements if installed vertically.  
**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
LIA20478	LINUX Z Anti-slip terminal for inclined Linux installation

This accessory must always be used in combination with end terminals.



Electric cable support. One every 50 cm is recommended. Made of polycarbonate.  
**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
<b>LIA20475</b>	LINUX Z S Linux Cable Support (10 pcs) The pack contains 10 pieces.



High closing top, with a length of 1778 mm that can be cut to 889 mm, made of impact-resistant white PVC.

**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
LIA20442	LINUX Z BA Closing Top HIGH - L1778

650°C



Cuttable low closing top, with a length of 1778 mm that can be cut, made of impact-resistant white PVC.

**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
<b>LIA20428</b>	LINUX Z BA Closing Top LOW - L1778

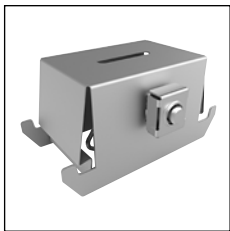
650°C



Brackets for the installation of luminaries on Linux S and S-NL bars, max. 16 kg load per bracket (5-fold safety), including: 2 x M5 x 12 mm threaded bolts + 2 x M5 nut + 2 x washers, made of hot galvanized steel (check the compatibility with our technical departments).

**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

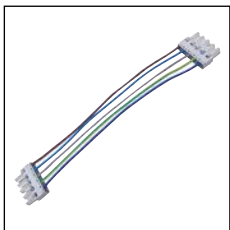
Order No.	Item
<b>LIA20470</b>	LINUX Z S MB Pair of mounting brackets devices on Linux S



Brackets for installation of Linda luminaries on Linux S structures. Made from hot-galvanized steel.

**Accessory compatible with Linux S-NL | IP40**

Order No.	Item
<b>LIA20498</b>	LINUX Z S MB Couple of brackets for Linda installation - Linux S



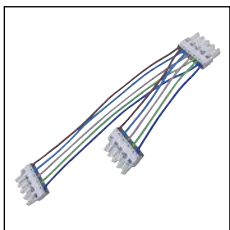
Electric branch with plug-socket to realize L-shaped connections.

**Accessory compatible with Linux S | IP40**

Order No.	Item
LIA20460	LINUX Z S 7-poles socket-pin branch (L-shaped) Linux S
LIA20462	LINUX Z S 11-poles socket-pin branch (L-shaped) Linux S

These accessories must always be used in conjunction with L connecting elements.

**Accessories not compatible with Linux S-NL (Order No.: LIA20011, LIA20012).**



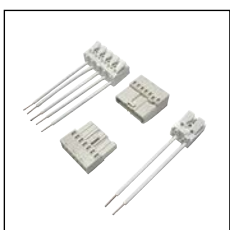
Electric branch with plug-socket to realize T-shaped connections.

**Accessory compatible with Linux S | IP40**

Order No.	Item
LIA20465	LINUX Z S 7-poles socket-pin branch (T-shaped) Linux S
LIA20467	LINUX Z S 11-poles socket-pin branch (T-shaped) Linux S

These accessories must always be used in conjunction with T connecting elements.

**Accessories not compatible with Linux S-NL (Order No.: LIA20011, LIA20012).**



Quick connection non-reversible plug-socket terminal block, for connection to the power line at the start or end of the channel.

**Accessory compatible with Linux S | IP40**

Order No.	Item
<b>LIA20455</b>	LINUX Z 7-poles socket-pin terminal block Linux S
<b>LIA20457</b>	LINUX Z 11-poles socket-pin terminal block Linux S

**Accessories not compatible with Linux S-NL (Order No.: LIA20011, LIA20012).**



Quick connection non-reversible plug-socket terminal block, for connection to the power line at the centre of the channel.

Note: The central supply is not possible with the 11-pole mounting rail for mechanical reasons/space requirements. Alternatively, the 7 pole (LIA20501) + 4 pole (LIA20499) center feed can be used. These must be fed in at various points on the continuous row system.

**Accessory compatible with Linux S | IP40**

Order No.	Item
<b>LIA20499</b>	LINUX Z S Central feeding 4-poles socket-pin terminal block Linux S
<b>LIA20501</b>	LINUX Z S Central feeding 7-poles socket-pin terminal block Linux S

**Accessories not compatible with Linux S-NL (Order No.: LIA20011, LIA20012).**



Connection to the earth, by means of galvanized M5 screw and nut, for Ø 6 mm hole at the end of every structure.

**Accessory compatible with Linux S | IP40 and Linux S-NL | IP40**

Order No.	Item
LIA0490	LINUX Z Connection to the earth M5

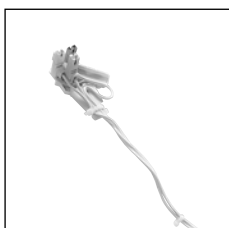


Power cable for luminaires not part of the Linux system.  
Length: approx. 90 cm, approx. 50 cm with black protective cable sheathing.

**Accessory compatible with Linux S | IP40**

Order No.	Item
LIA20479	LINUX Z Power cable for luminaires, 3-pole
LIA20480	LINUX Z Power cable for luminaires, 5-pole

**Accessories not compatible with Linux S-NL (Order No.: LIA20011, LIA20012).**



Extension cord to connect some light modules interspersed with blind covers with a length of 889 mm.  
As a rule, one cable extension is required for every fourth light batten - please contact our sales department.

**Accessory compatible with Linux S | IP40**

Order No.	Item
LIA0801	LINUX Z Electric extension with Linux plug DALI-EP
LIA0802	LINUX Z Electric extension with Linux plug

Attention: the code LIA0801 is supplied with a 5-pole electric line, while the code LIA0802 is supplied with a 3-pole electric line.



Additional contact for light unit plug.

**Accessory compatible with Linux S | IP40, Linux L, Linux D, Linux DR, Linux Track**

Order No.	Item
LIA20476	LINUX Z Single contact pin The pack contains 50 pieces.

**Accessories not compatible with Linux S-NL (werden: LIA20011, LIA20012).**

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