

# LISSET 2.0

NEW GREEN GENERATION

disano

illuminazione

M A D E I N I T A L Y

Liset 2.0 is a linear and modular lighting system that is easily customisable and capable of offering a series of lighting solutions in any setting, including retailing, artistic and cultural spaces or in entrance lobbies and/or hospitality facilities. Compact, elegant, flexible and small, Liset 2.0 is simple to install as a recessed, ceiling, suspension or track lamp. It is available in versions with polycarbonate HE optics including dark light lamellar optics with  $URG < 19$ , or with either white or black polycarbonate comfort optics and polycarbonate opal diffuser. The entire range has latest generation 3000K/4000K LED sources with 80 CRI, making these products easy to fit into any lighting design project.



Housing: made of extruded aluminium.

Terminal ends: in die-cast aluminium.

Standard: 3000K and 4000K.

ON-OFF wiring and DALI digital dimmable.

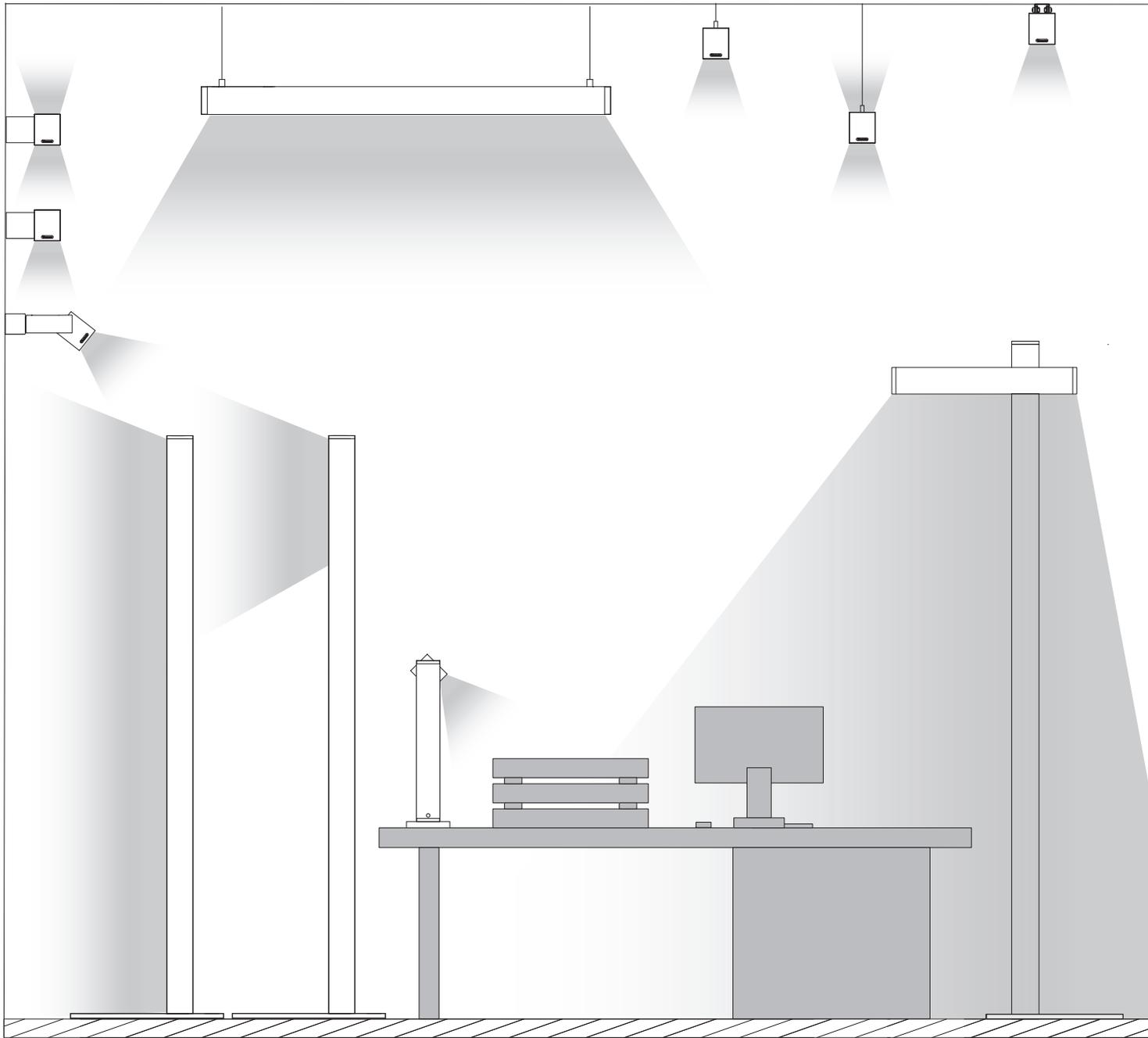
Low Flicker.

LED: luminous flux maintenance 80%: 50.000h (L80B20).

Power factor:  $\geq 0,92$ .

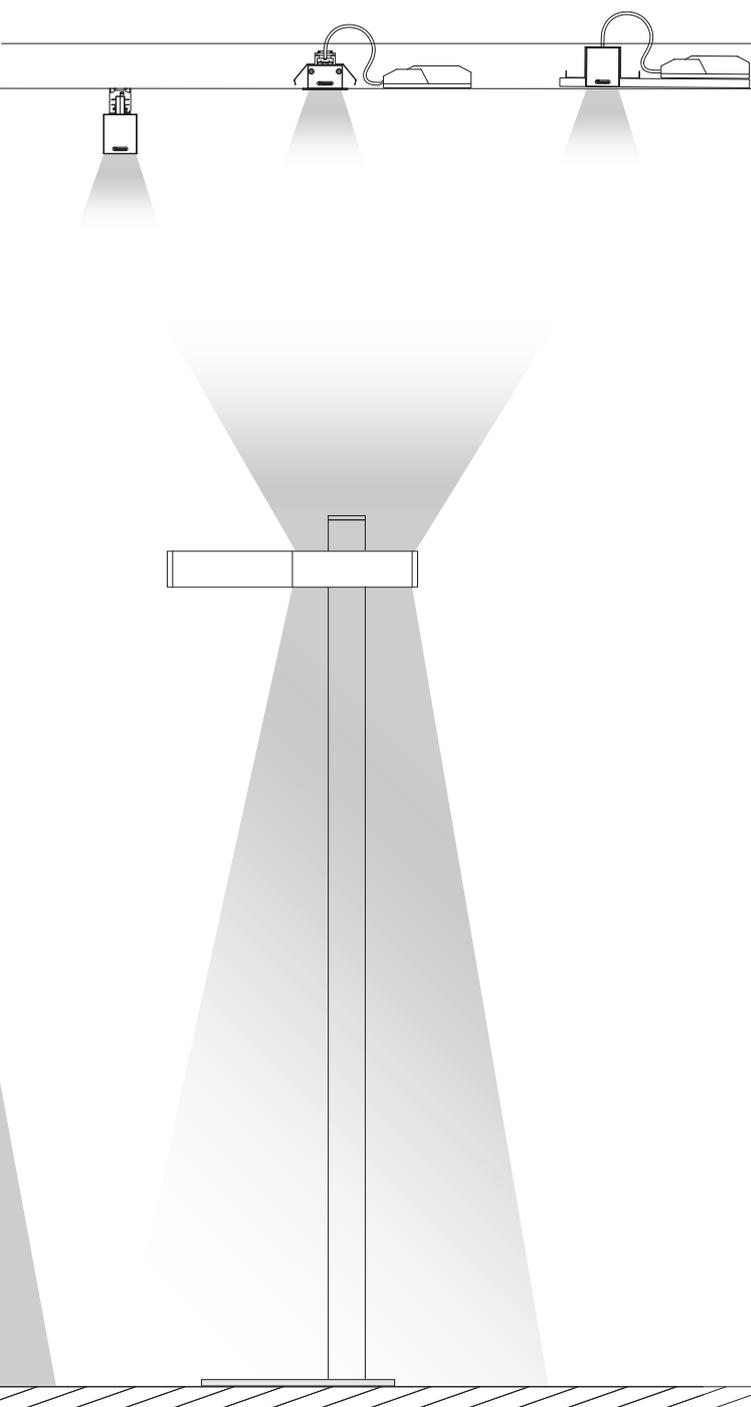
Photobiological safety class: exempt group.





## The new frontier of human centric lighting

The new LED lighting fixtures have features that allow artificial lights to mimic the quality of natural light, and have the necessary amount of light to allow us to complete, as best as possible, different work and study activities, as well as create a pleasant environment where lights can follow the natural trend of daylight. Designers who follow the principles of Human Centric Lighting using the new LED fixtures will achieve:



## E

fficient light control

The possibility to adjust lights via more accurate and programmable control systems can dim lights during the day in order to reproduce the rhythm of outdoor light or automatically adjust them to the amount of daylight. Moreover, it is possible to choose the best amount of light for a certain type of activity, whether it is reading, working at the PC or a business meeting.

## G

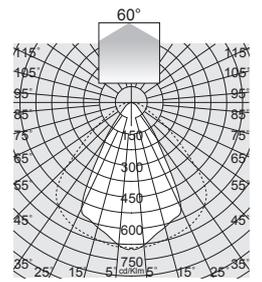
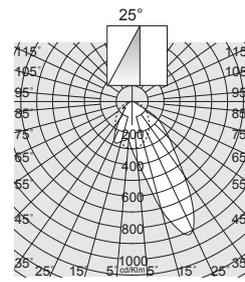
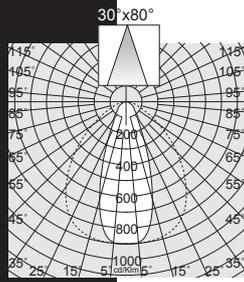
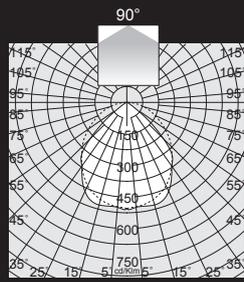
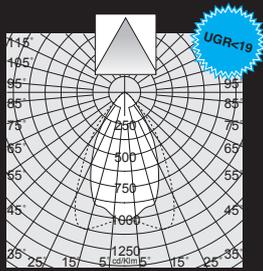
reater amount of light

LED sources cut down energy costs while achieving a high luminous flux in accordance with sustainable consumption patterns.

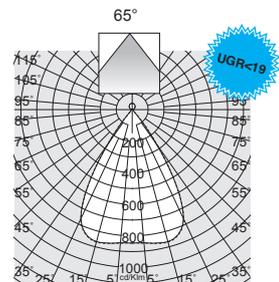
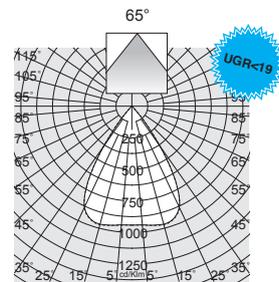
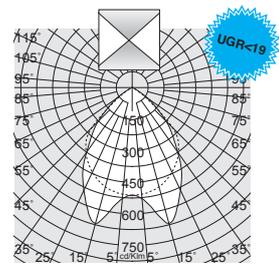
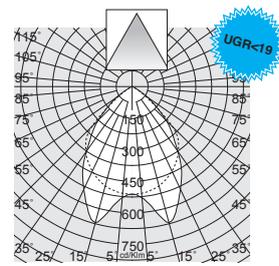
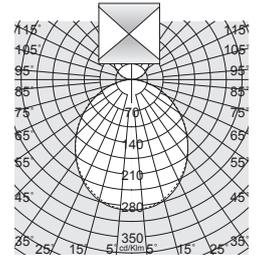
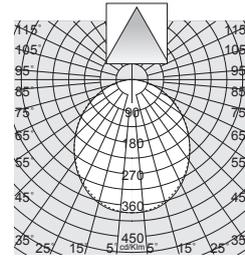
## I

mproved light quality

The new sources combine high colour rendering and correct light distribution, guaranteeing maximum visual comfort; while anti-glare optics and the low-flicker sources protect human eyesight.



Upon request: 60°



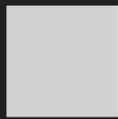
Colours and finishes:



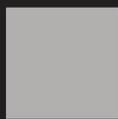
smooth matt white



smooth matt black



smooth anodic ice



smooth silver



smooth golden beach



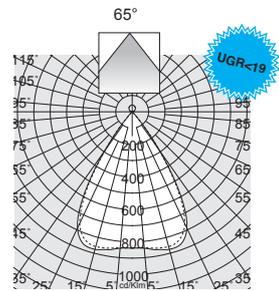
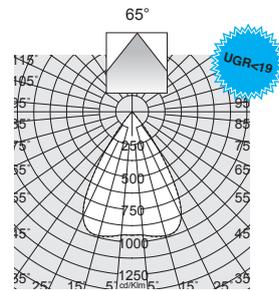
smooth bronze

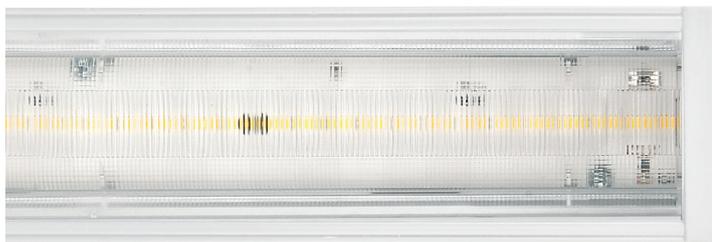


natural light wood



natural dark wood





High-efficiency polycarbonate optics with very low glare coefficient, resistant to high temperature and UV radiation.



Diffuser in opal polycarbonate, anti-glare, shatterproof and self-extinguishing V2 polycarbonate, UV-stabilised.



Dark light louvre: double parabolic louvres, in high-gloss 99.99 aluminium, anti-glare and anti-iridescence, very low luminance with PVD treatment.



Dark comfort optics: in metallized anti-glare polycarbonate for improved visual comfort.



Comfort optics: in black anti-glare polycarbonate for improved visual comfort (the white colour version is available upon request).

Upon request



UGR<19



**UGR**

Is the international unified glare rating developed by the CIE (International Commission on Illumination), to assess the direct glare deriving from a lighting system.

The UNI-EN 12464-1 standard regarding the lighting of indoor workplaces requires a specific UGR value for each application, ranging between 10 and 30. The lower the value, the lower the glare.

The exact value of this rate is to be calculated with a lighting design test, as it depends on the arrangement of the lighting fixtures, on the features of the room (dimensions, reflections) and on the angle of observation (to be verified through a lighting project).



<13

No or minimal glare

<16

Very demanding applications (technical drawings)

<19

Offices and schools: reading, writing, meetings, computer work

<22

Industrial applications

<25

Transit areas (applications without special needs)

### **Low Flicker**

Do you want to avoid headaches or eye strain?

All Liset 2.0 luminaires have low flicker (< 5%) for safe and comfortable lighting. Prolonged exposure to high flicker frequencies (between 70 and 160 Hz) can cause discomfort, headaches, eye strain and impaired visual performance.

### **Colour Quality - CRI**

Indicates how the artificial source can reproduce the colour of an illuminated object. It is a scale from 0 to 100, where 0 represents the lowest accuracy and 100 is the maximum accuracy. Daylight is the best source of light from the physiological point of view thanks to the completeness of its colour spectrum. This is why the choice of fixtures with a high colour index is very important to enhance people's sense of wellbeing and comfort, and it is particularly needed in rooms where a faithful reproduction of colours is required.





Whether it's for indoor, public or private offices, commercial or industrial spaces, Fosnova offers a WIDE RANGE OF LIGHTING MANAGEMENT SOLUTIONS that can help increase energy savings, visual comfort and safety.

### MEDIUM SOLUTION

CABLED solutions for DALI dimmable fixtures:



#### Push DIMM

- The lighting fixture is equipped with a DALI PUSH DIM LED driver
- Simple additional cabling and possibility to use a standard NO switch

#### Presence sensor



### ADVANCED SOLUTION

High-tech WIRELESS solutions to be managed via app:

#### Basic DIM



#### ActiveAhead



- System equipped with smart sensors with high level of automation
- Easy-to-use app and software that do not require skills from specialists (e.g. DALI commissioning or software engineer)
- Built-in or external sensors and, if requested, additional cabling that does not require complex circuitry

available soon

### CASAMBI VOICE:

an innovative interface to control DALI devices at the same time using the CASAMBI app through Bluetooth and voice control using assistants, such as AMAZON ALEXA/GOOGLE HOME/MATTER through Wi-Fi. CASAMBI and AMAZON ALEXA/GOOGLE HOME/MATTER are independent systems that are designed to communicate with and update each other.



Google Assistant



amazon alexa



matter

## Upon request: versions with *Casambi* advanced lighting control solution are available

*Casambi* is an advanced automation lighting control system that offers the simplest and most natural way to control your lamps. It is based on the Bluetooth Low Energy (BLE) wireless technology that allows you to control and automate individual or groups of lighting fixtures via a simple and intuitive app directly from your smartphone or mobile device. The *Casambi* technology can be integrated into luminaires, LED drivers and even within LED modules or bulbs, creating an optimal solution in terms of easy installation and functionality with minimal additional hardware and low costs.

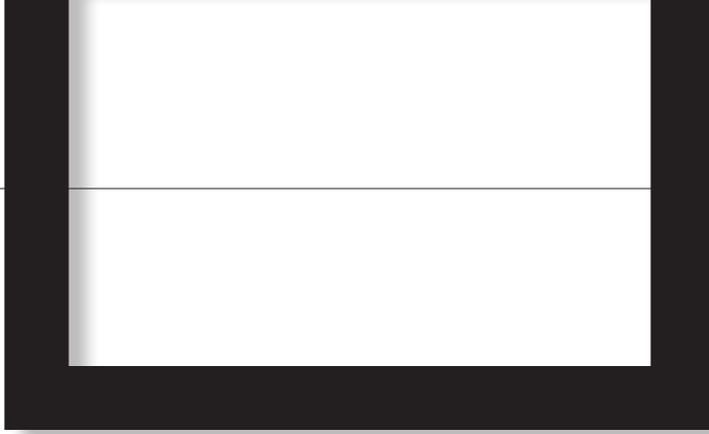
## App and features

With *Casambi*, lighting can be controlled via smartphones, tablets, smart watches, push buttons, switches or wireless controllers. To access all the functionalities of the *Casambi* network an app is needed. The app can be downloaded for free from Apple App Store or Google Play Store by entering Casambi.

The *Casambi* app is continuously updated to maintain compatibility with operating systems. It can:

- Turn lights on/off
- Dim lights
- Dim groups of lights or turn them on/off
- Configure, save and recall light scenes
- Configure, save and recall light animations
- Fade time adjustments for light scenes and animations
- Control light scenes and animation via a timer
- Adjust light colours
- Adjust colour temperatures
- Use motion sensors
- Bluetooth signal strength for geo-localization
- Take pictures of your spaces or upload your lighting layout drawings
- Add lighting control directly to your pictures
- Take sunrise and sunset into account while defining timers
- Get status information from the system
- Receive latest firmware updates over-the-air
- Receive latest system functionality updates over-the-air
- Request support via the app





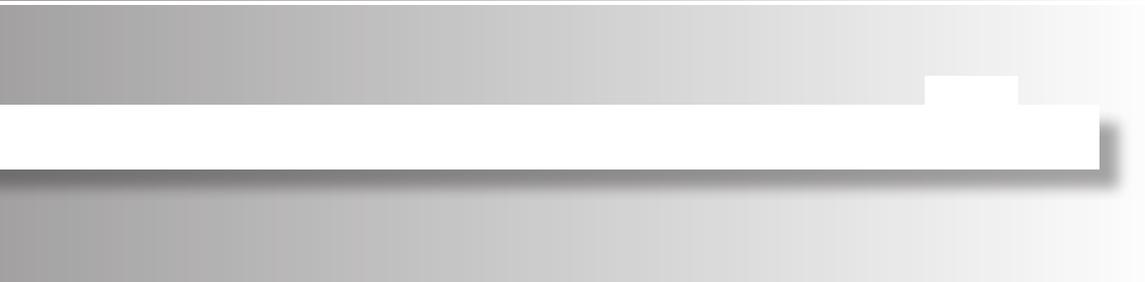


Shapes in freedom!

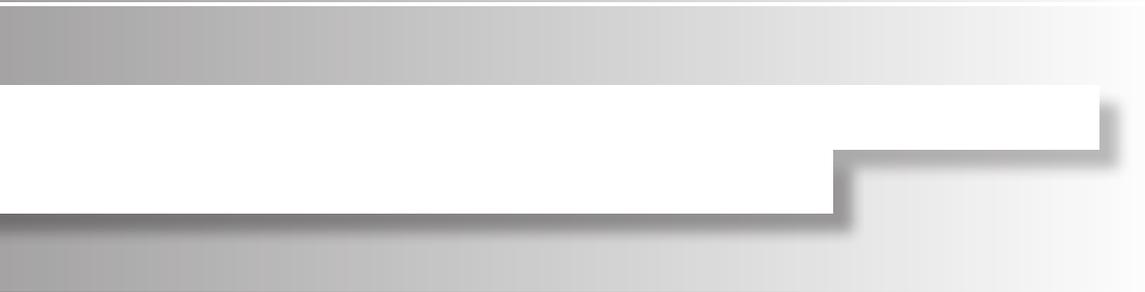
p. 14



Suspension:  
p. 24



Ceiling/wall:  
p. 44



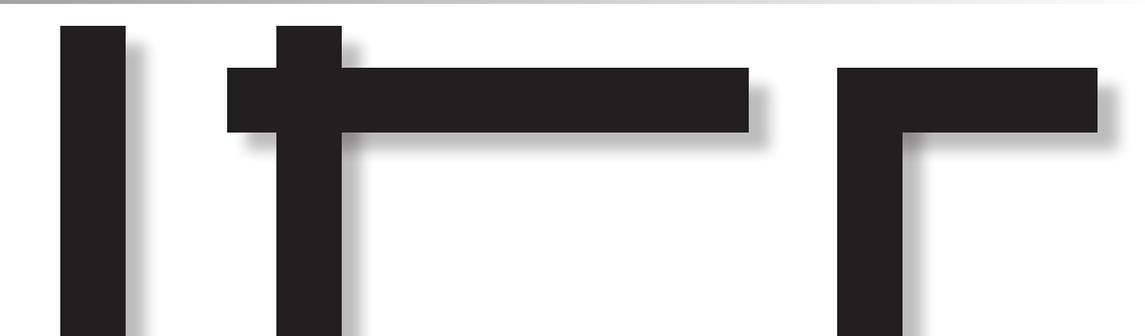
For track:  
p. 64



Recessed:  
p. 86



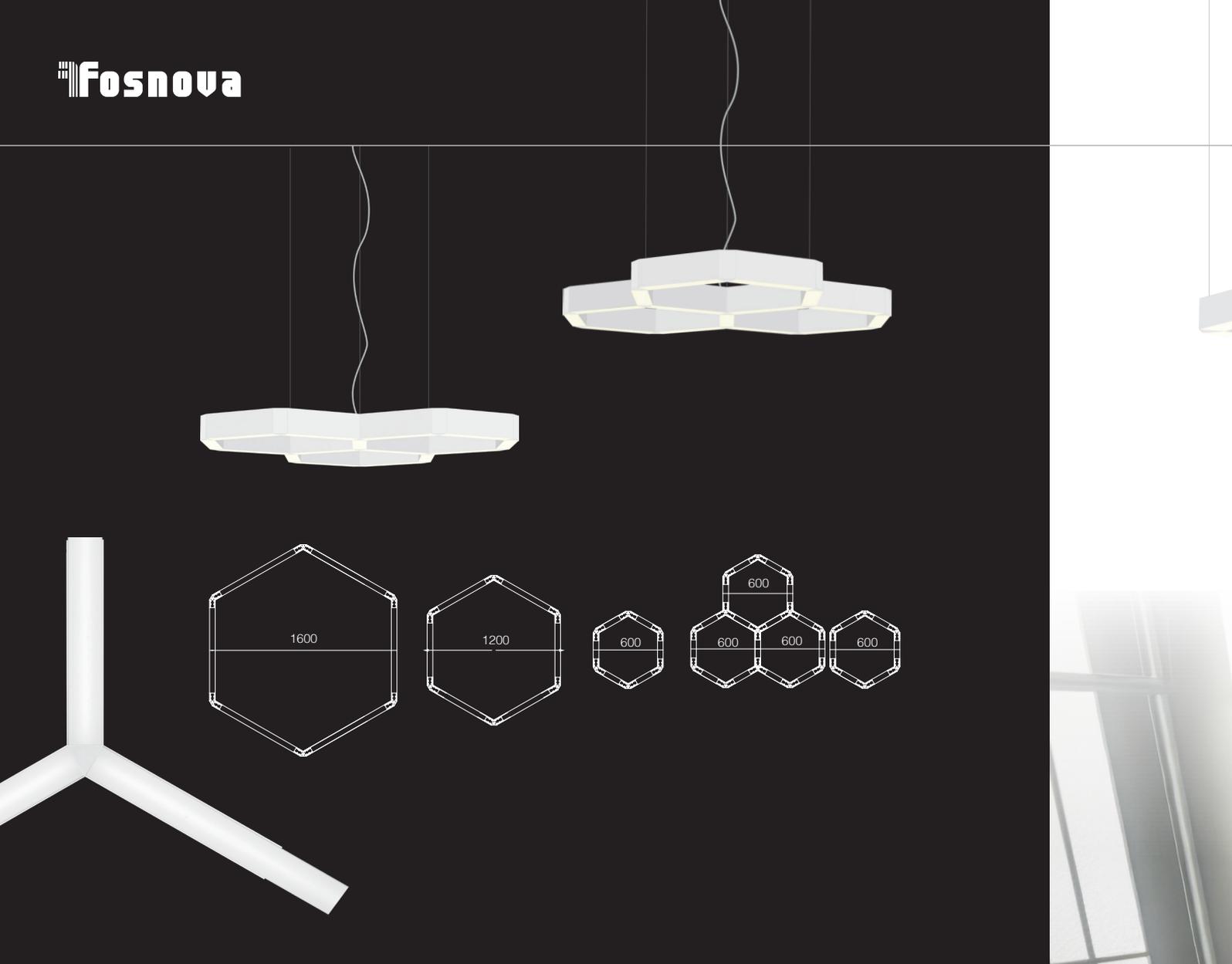
HCL/TW:  
p. 102



Luminaires:  
p. 118

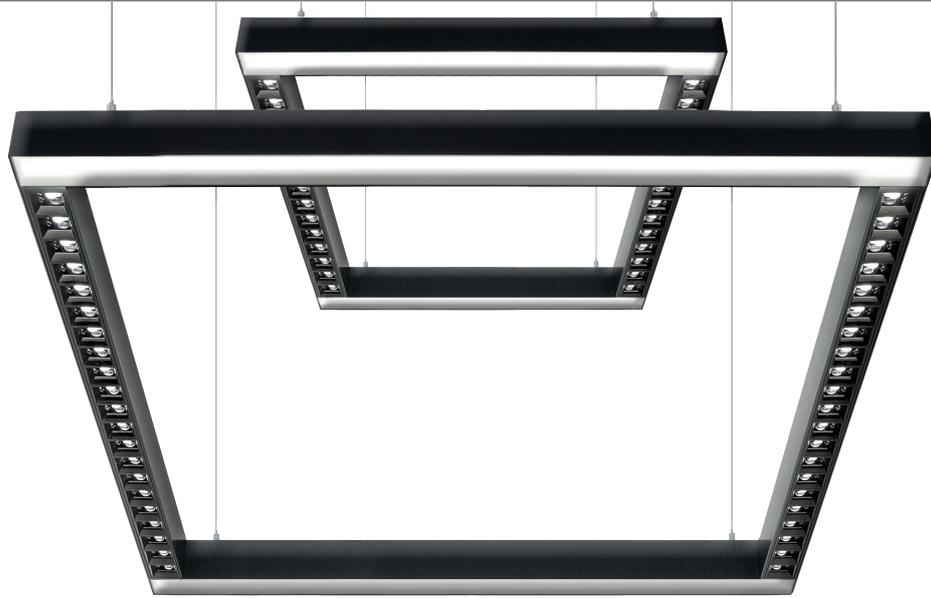
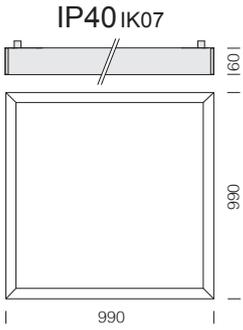












**Liset 2.0 "SQ" - 4D**

		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED	white	990	8,50	22302710-00	46	4000K - 4750lm - CRI 80
	black			22302730-00		
LED	white		8,50	22302710-39	46	3000K - 4420lm - CRI 80
	black			22302730-39		

Diffuser: in polycarbonate.

**Liset 2.0 "SQ" - 2D+2M**

		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED	white	990	10,00	22302810-00	51	4000K - 5320lm - CRI 80
	black			22302830-00		
LED	white		10,00	22302810-39	51	3000K - 4948lm - CRI 80
	black			22302830-39		

Diffuser: in polycarbonate.

Comfort optics: in black anti-glare polycarbonate (white colour version is available upon request).

**Liset 2.0 "SQ" - 4M - UGR<19**



		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED	white	990	10,00	22302910-00	55	4000K - 6320lm - CRI 80
	black			22302930-00		
LED	white		10,00	22302910-39	55	3000K - 5878lm - CRI 80
	black			22302930-39		

Comfort optics: in black anti-glare polycarbonate (white colour version is available upon request).

**Upon request:**

- **CRI 90** - 3000K and 4000K
- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K).
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)

**Upon request:**

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze

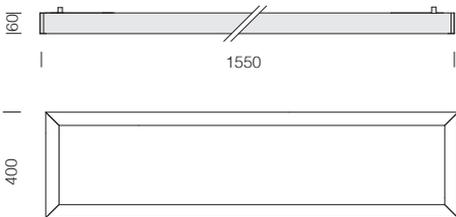
The product offers the possibility to choose the correct drive current for LEDs and have the right power and the luminous flux under specific design conditions.

Other size and colors upon request



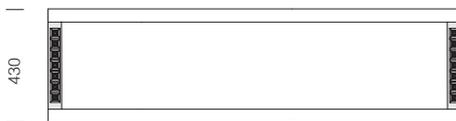


IP40 IK07



**Liset 2.0 "RT" - 4D - opal diffuser**

		CLD		LUMEN OUTPUT (tq= 25 °C)		
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED	white	1550	8,30	22305010-00	45	4000K - 4750lm - CRI>80
	black			22305030-00		
LED	white	1550	8,30	22305010-39	45	3000K - 4420lm - CRI>80
	black			22305030-39		



**Liset 2.0 "RT" - 2M+2D - opal diffuser + comfort optics**

		CLD		LUMEN OUTPUT (tq= 25 °C)		
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED	white	1550	9,50	22305110-00	51	4000K - 5185lm - CRI>80
	black			22305130-00		
LED	white	1550	9,50	22305110-39	51	3000K - 4822lm - CRI>80
	black			22305130-39		



**Liset 2.0 "RT" - 4M - comfort optics - UGR<19**

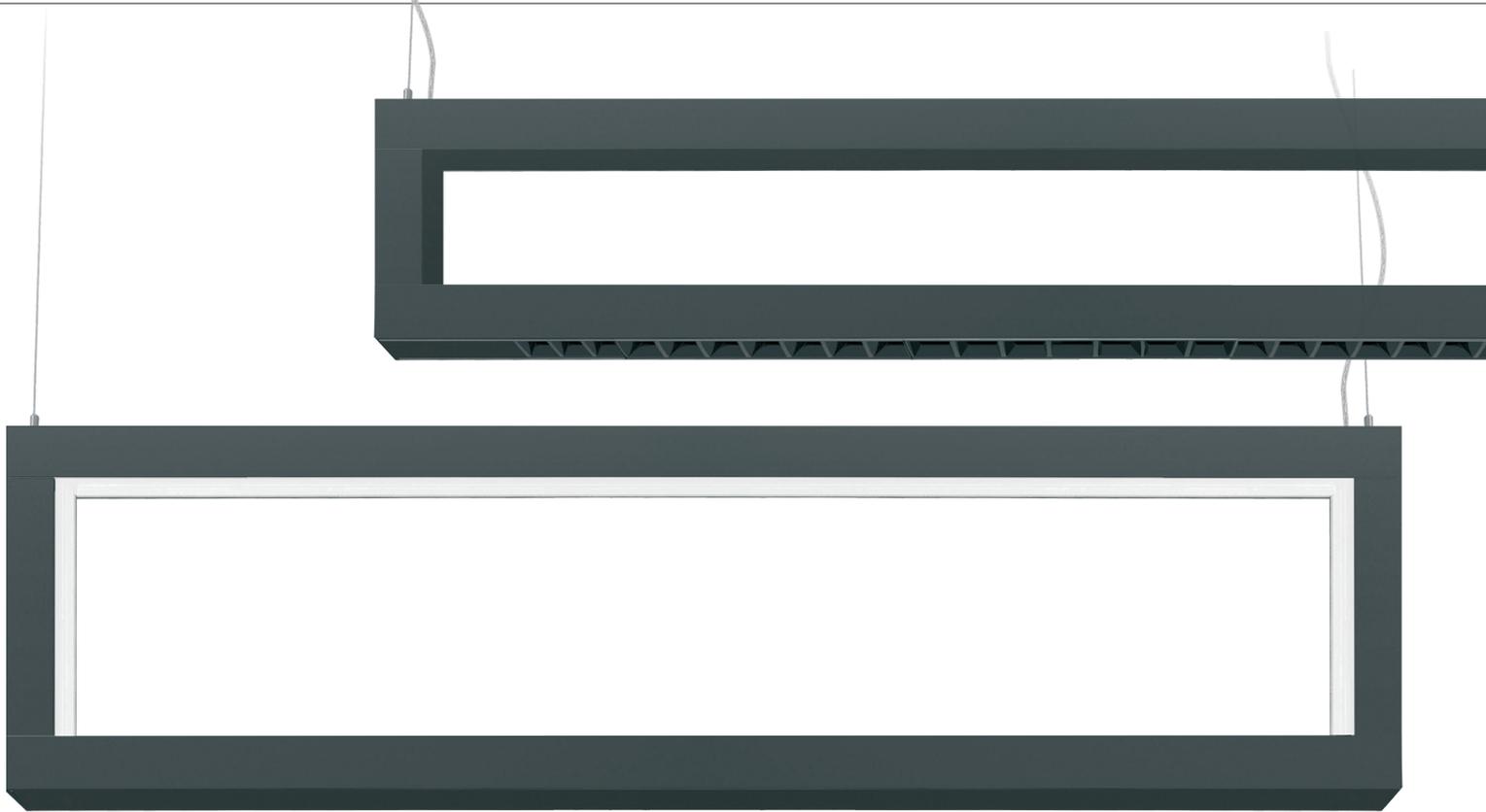
		CLD		LUMEN OUTPUT (tq= 25 °C)		
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED	white	1550	10,00	22305210-00	48	4000K - 6385lm - CRI>80
	black			22305230-00		
LED	white	1550	10,00	22305210-39	48	3000K - 5938lm - CRI>80
	black			22305230-39		

**Suspension**

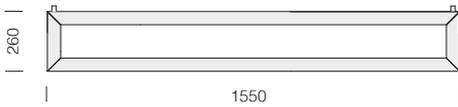
galvanised | 22003166-00  
 Supplied with steel wire (l=1,75m) and millimetre adjustment device. Max load: 20 kg.







IP40 IK07



**Liset 2.0 "light blade small" -  
comfort optics direct light + opal diffuser indirect light**

LED		CLD			LUMEN OUTPUT (tq= 25 °C)	
colour	weight	code		W tot	K - ølm - CRI	
LED	white	8,50	22307010-00	36	4000K - 4515lm - CRI>80	
	black		22307030-00			
LED	white	8,50	22307010-39	36	3000K - 4199lm - CRI>80	
	black		22307030-39			



**Liset 2.0 "light blade medium" - interior light with opal diffuser**

LED		CLD			LUMEN OUTPUT (tq= 25 °C)	
colour	weight	code		W tot	K - ølm - CRI	
LED	white	8,50	22307110-00	42	4000K - 4171lm - CRI>80	
	black		22307130-00			
LED	white	8,50	22307110-39	42	3000K - 3880lm - CRI>80	
	black		22307130-39			

**Suspension**

galvanised	22003166-00
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Supplied with steel wire (l=1,75m) and millimetre adjustment device. Max load: 20 kg.







**L**ighting of excellence for stylish interiors.

The product's mounting freedom offers the possibility to create elegant and sophisticated lighting atmospheres.

The clean-cut geometry of Liset 2.0 blends seamlessly into any modern, refined setting.

Carefree Design!



**S suspension  
angle module**  
150x150 mm

- black 22302630-03
- white 22302610-03



**S suspension T  
mounting module**  
150x250 mm

- black 22302634-03
- white 22302614-03



**S suspension X  
mounting module**  
250x250 mm

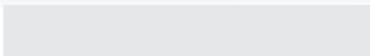
- black 22302635-03
- white 22302615-03





The mechanical accessories that make the difference!

**Linear module for suspension mounting S**  
560 mm



black 22385632-03  
white 22385612-03

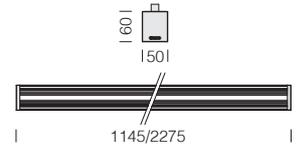
**Connecting bracket**  
It permits mechanical connection of the profiles in a continuous line.



galvanized 22025877-00

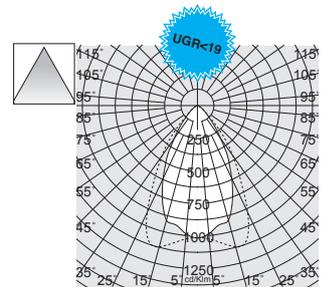


IP40 IK07



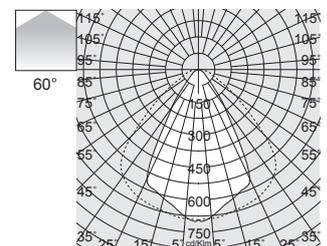
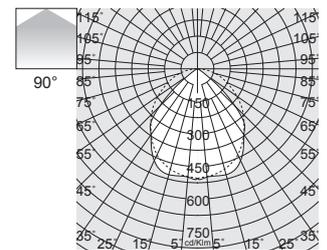
Liset 2.0 HE - suspension - direct light - UGR<19

		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED 2 modules	white	1145	2,70	22303406-00	26	4000K - 3673lm - CRI 80
	black			22303436-00		
LED 2 modules	white	1145	2,70	22303406-39	26	3000K - 3416lm - CRI 80
	black			22303436-39		
LED 4 modules	white	2275	5,30	22303407-00	52	4000K - 7346lm - CRI 80
	black			22303437-00		
LED 4 modules	white	2275	5,30	22303407-39	52	3000K - 6832lm - CRI 80
	black			22303437-39		
CLD D-DIG (DALI)						
LED 2 modules	white	1145	2,70	22303406-1241	26	4000K - 3673lm - CRI 80
	black			22303436-1241		
LED 2 modules	white	1145	2,70	22303406-3941	26	3000K - 3416lm - CRI 80
	black			22303436-3941		
LED 4 modules	white	2275	5,30	22303407-1241	52	4000K - 7346lm - CRI 80
	black			22303437-1241		
LED 4 modules	white	2275	5,30	22303407-3941	52	3000K - 6832lm - CRI 80
	black			22303437-3941		



Liset 2.0 HE - suspension - direct light - 90°

		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED 4 modules	white	1145	2,70	22303008-00	29	4000K - 3336lm - CRI 80
	black			22303038-00		
LED 4 modules	white	1145	2,70	22303008-39	29	3000K - 3103lm - CRI 80
	black			22303038-39		
LED 8 modules	white	2275	5,30	22303009-00	56	4000K - 6673lm - CRI 80
	black			22303039-00		
LED 8 modules	white	2275	5,30	22303009-39	56	3000K - 6206lm - CRI 80
	black			22303039-39		
CLD D-DIG (DALI)						
LED 4 modules	white	1145	2,70	22303008-1241	29	4000K - 3336lm - CRI 80
	black			22303038-1241		
LED 4 modules	bianco	1145	2,70	22303008-3941	29	3000K - 3103lm - CRI 80
	nero			22303038-3941		
LED 8 modules	bianco	2275	5,30	22303009-1241	56	4000K - 6673lm - CRI 80
	nero			22303039-1241		
LED 8 modules	bianco	2275	5,30	22303009-3941	56	3000K - 6206lm - CRI 80
	black			22303039-3941		



Upon request:

- version with pass-through wiring for continuous line mounting with subcode -0072
- PUSH-DIMM version with sub-code -1245 or -3945 (3000K)

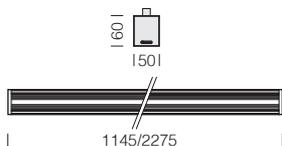
Upon request:

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze

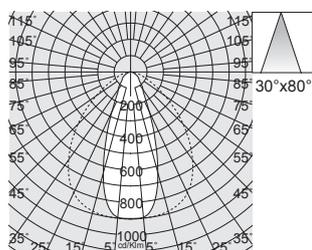
Accessories: see p. 26-27/42-43

Upon request:  
60° beam angle

IP40 IK07

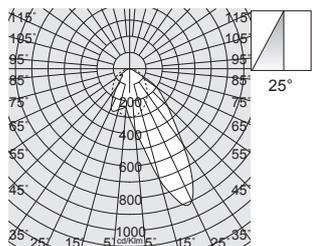


### Liset 2.0 HE - suspension - direct light - 30° x 80°



		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED 4 modules	white	1145	2,70	22303110-00	29	4000K - 3319lm - CRI 80
	black			22303130-00		
LED 4 modules	white	1145	2,70	22303110-39	29	3000K - 3087lm - CRI 80
	black			22303130-39		
LED 8 modules	white	2275	5,30	22303111-00	56	4000K - 6638lm - CRI 80
	black			22303131-00		
LED 8 modules	white	2275	5,30	22303111-39	56	3000K - 6174lm - CRI 80
	black			22303131-39		
<b>CLD D-DIG (DALI)</b>						
LED 4 modules	white	1145	2,70	22303110-1241	29	4000K - 3319lm - CRI 80
	black			22303130-1241		
LED 4 modules	white	1145	2,70	22303110-3941	29	3000K - 3087lm - CRI 80
	black			22303130-3941		
LED 8 modules	white	2275	5,30	22303111-1241	56	4000K - 6638lm - CRI 80
	black			22303131-1241		
LED 8 modules	white	2275	5,30	22303111-3941	56	3000K - 6174lm - CRI 80
	black			22303131-3941		

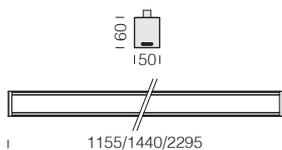
### Liset 2.0 HE - suspension - direct light - 25° asymmetric optics



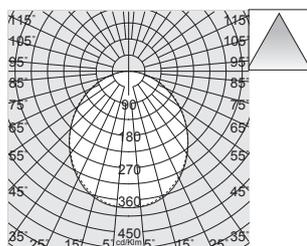
		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED 4 modules	white	1145	2,70	22303208-00	29	4000K - 3091lm - CRI 80
	black			22303238-00		
LED 4 modules	white	1145	2,70	22303208-39	29	3000K - 2875lm - CRI 80
	black			22303238-39		
LED 8 modules	white	2275	5,30	22303209-00	56	4000K - 6182lm - CRI 80
	black			22303239-00		
LED 8 modules	white	2275	5,30	22303209-39	56	3000K - 5794lm - CRI 80
	black			22303239-39		
<b>CLD D-DIG (DALI)</b>						
LED 4 modules	white	1145	2,70	22303208-1241	29	4000K - 3091lm - CRI 80
	black			22303238-1241		
LED 4 modules	white	1145	2,70	22303208-3941	29	3000K - 2875lm - CRI 80
	black			22303238-3941		
LED 8 modules	white	2275	5,30	22303209-1241	56	4000K - 6182lm - CRI 80
	black			22303239-1241		
LED 8 modules	white	2275	5,30	22303209-3941	56	3000K - 5794lm - CRI 80
	black			22303239-3941		



IP40 IK07

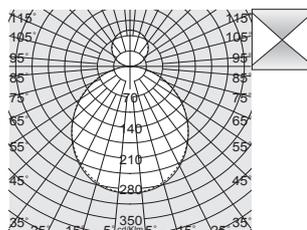


Accessories: see p. 42-43



### Liset 2.0 - suspension - direct light - with polycarbonat diffuser

LED		CLD		LUMEN OUTPUT (tq= 25 °C)		
housing	L (mm)	weight	code	W tot	K - ølm - CRI	
LED 4 modules	white	1155	2,50	22302208-00	28	4000K - 2783lm - CRI 80
	black			22302238-00		
LED 5 modules	white	1440	3,10	22302209-00	35	4000K - 3479lm - CRI 80
	black			22302239-00		
LED 8 modules	white	2295	4,70	22302210-00	55	4000K - 5566lm - CRI 80
	black			22302230-00		
CLD D-DIG (DALI)						
LED 4 modules	white	1155	2,50	22302208-1241	28	4000K - 2783lm - CRI 80
	black			22302238-1241		
LED 5 modules	white	1440	3,10	22302209-1241	35	4000K - 3479lm - CRI 80
	black			22302239-1241		
LED 8 modules	white	2295	4,70	22302210-1241	55	4000K - 5566lm - CRI 80
	black			22302230-1241		



### Liset 2.0 - suspension - direct/indirect light - with polycarbonat diffuser

LED		CLD		LUMEN OUTPUT (tq= 25 °C)		
housing	L (mm)	weight	code	W tot	K - ølm - CRI	
LED 5 modules	white	1440	4,70	22302211-00	42	4000K - 4157lm - CRI 80
	black			22302231-00		
LED 8 modules	white	2295	5,10	22302212-00	72	4000K - 7328lm - CRI 80
	black			22302232-00		
CLD D-DIG (DALI)						
LED 5 modules	white	1440	4,70	22302211-1241	42	4000K - 4157lm - CRI 80
	black			22302231-1241		
LED 8 modules	white	2295	5,10	22302212-1241	72	4000K - 7328lm - CRI 80
	black			22302232-1241		

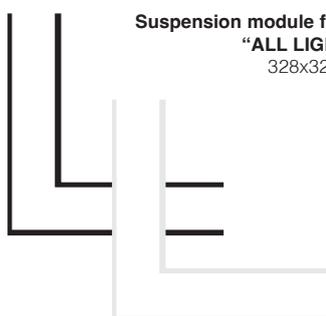
Upon request:

- **CRI 90** - 4000K
- 3000K version with sub-code **-39**
- pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245**

• **Upon request:**

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze

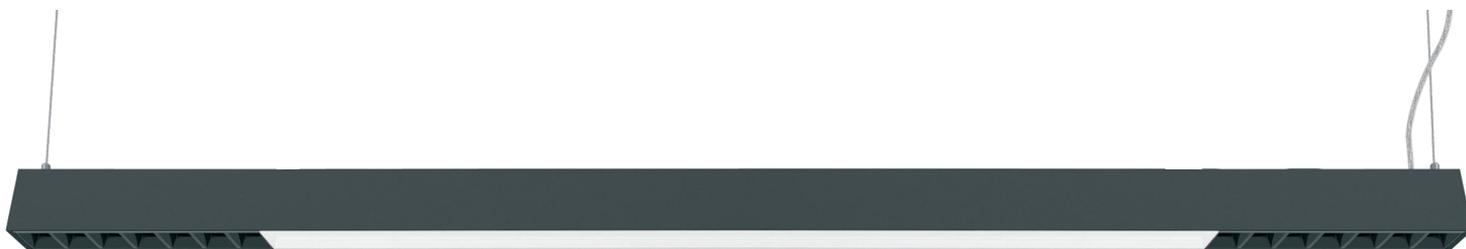
## “ALL LIGHT” accessories that make the difference!



Suspension module for angular mounting  
“ALL LIGHT” 14W  
328x328 mm

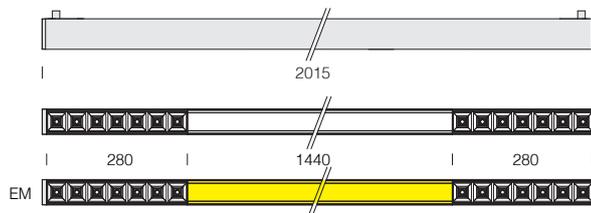
black 22302632-00  
white 22302612-00

Upon request: DIMM DALI version with sub-code **-1241**.  
3000K version with sub-code **-39**.



IP40 IK07

160  
1501



## Liset 2.0 - C+2M - suspension

		CLD		LUMEN OUTPUT (tq= 25 °C)		
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED	white	2015	4,50	22302510-00	53	4000K - 3479lm - CRI 80
	black			22302530-00		4000K - 2x1243lm - CRI 80 - 65°
<b>CLD D-DIG (DALI)</b>						
LED	white	2015	4,50	22302510-1241	53	4000K - 3479lm - CRI 80
	black			22302530-1241		4000K - 2x1243lm - CRI 80 - 65°
						4000K - 2x1243lm - CRI 80 - 65°

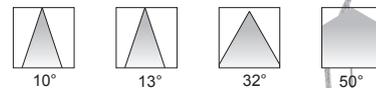
**Standard composition:** Liset 2.0 with diffuser + 2 modules with 65° black comfort optics (upon request with 76° beam angle). Standard version includes double switching.

### Upon request:

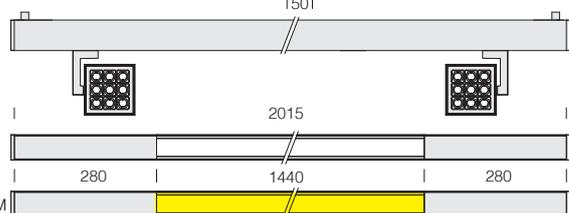
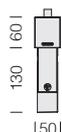
- **CRI 90** - 4000K
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- version 1h EM with subcode **-09**
- version 3h EM with subcode **-31**

Upon request: special versions with other spotlights of the Matrix Q series are available

**CRI 90** - 3000K or 4000K with different beam openings



IP40 IK07



**Standard composition:** Liset 2.0 with diffuser + 2 modules with 32° spotlight (upon request with 50° beam angles). Standard version includes double switching.

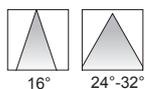
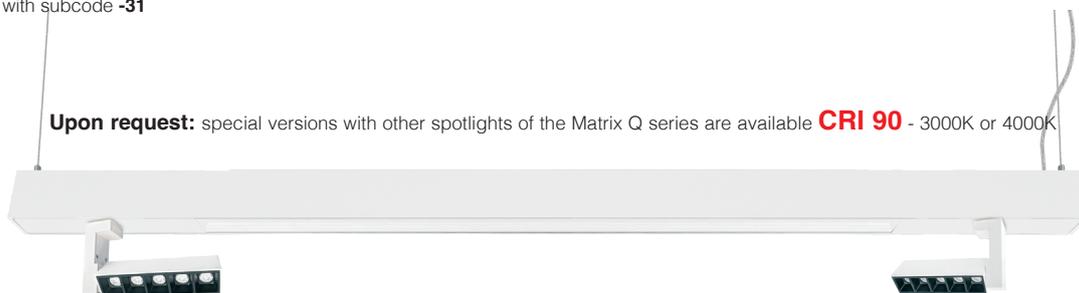
Upon request:

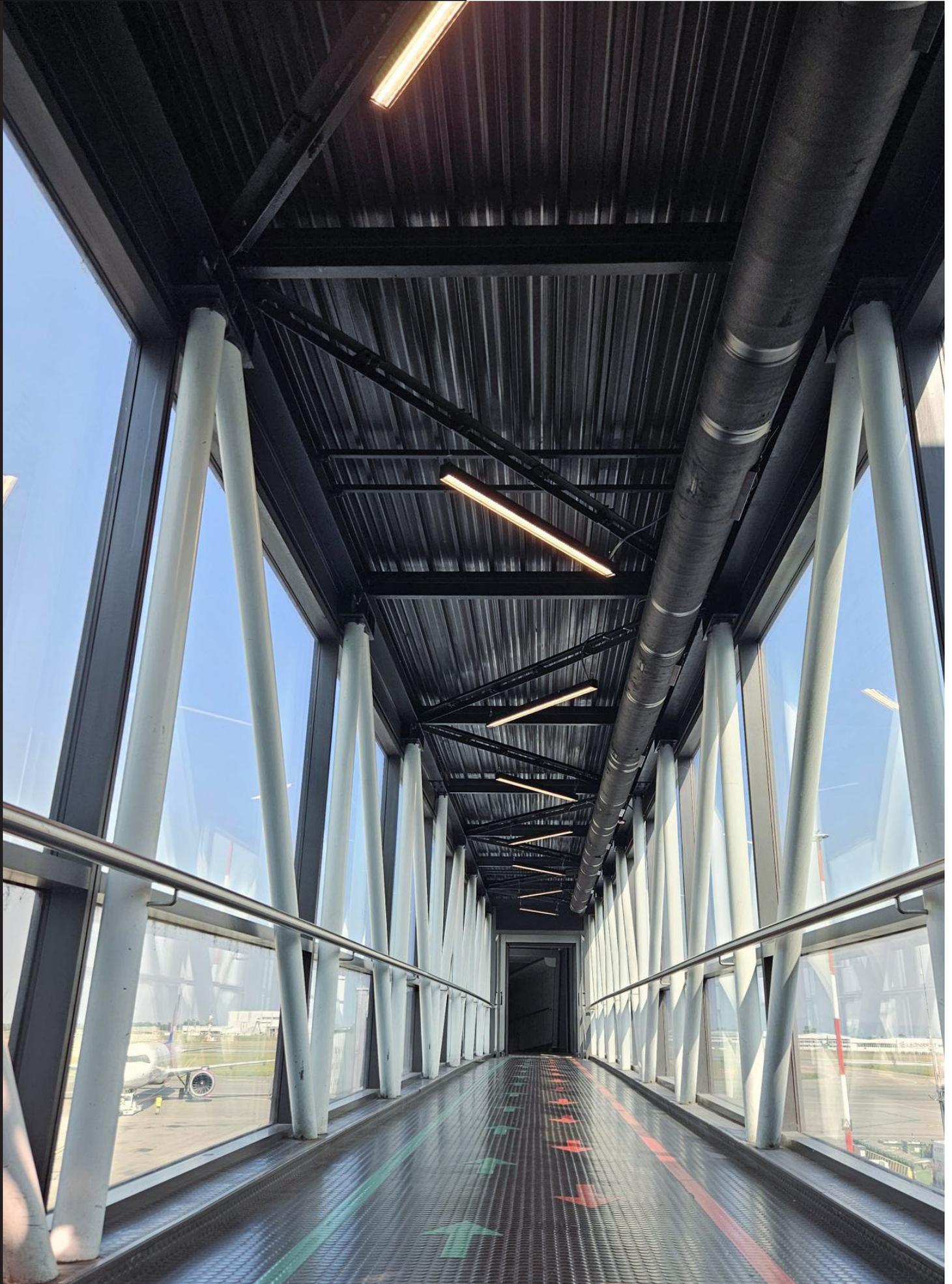
- **CRI 90** - 3000 K - 4000K
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- version 1h EM with subcode **-09**
- version 3h EM with subcode **-31**

## Liset 2.0 - C+2S - suspension

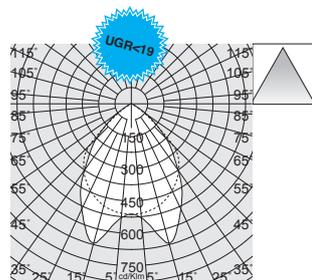
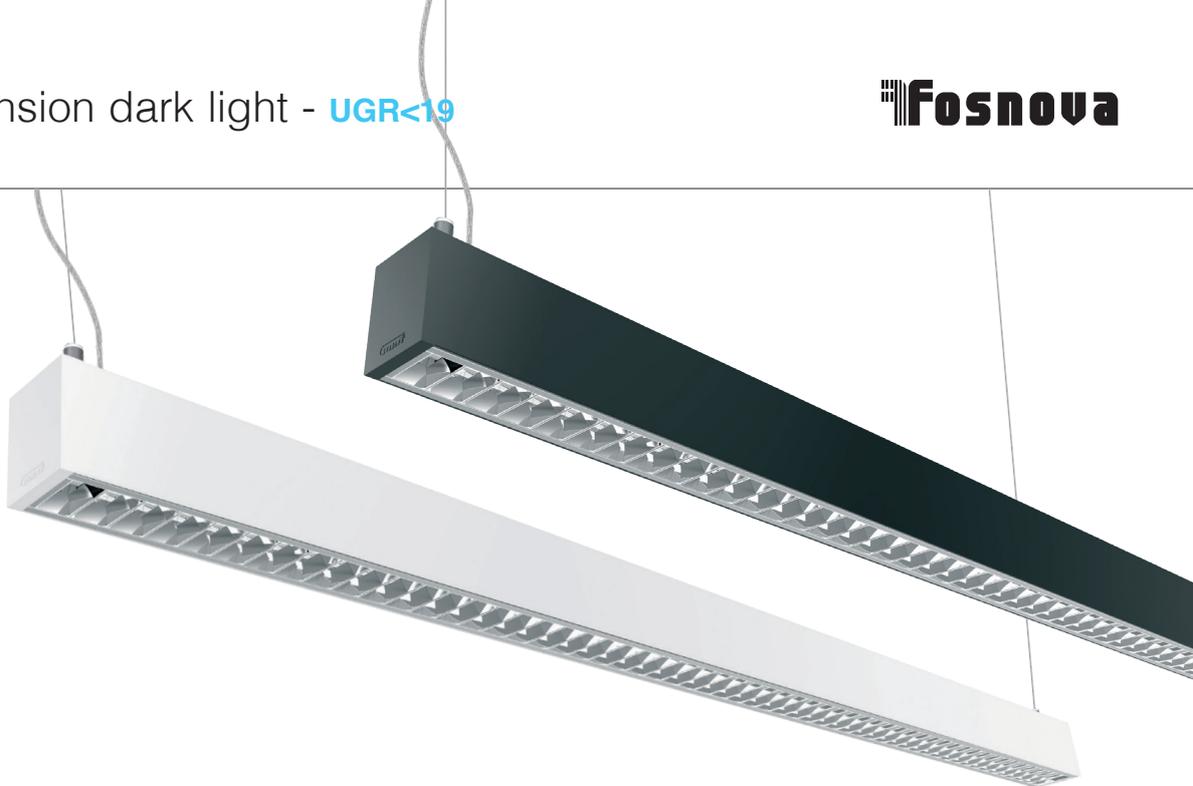
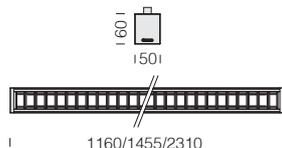
		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED	white	2015	5,00	22302511-00	101	4000K - 3479lm - CRI>80
	black			22302531-00		4000K - 2x2220lm - CRI>80 - 32°
<b>CLD D-DIG (DALI)</b>						
LED	white	2015	5,00	22302511-1241	101	4000K - 3479lm - CRI>80
	black			22302531-1241		4000K - 2x2220lm - CRI>80 - 32°

Upon request: special versions with other spotlights of the Matrix Q series are available **CRI 90** - 3000K or 4000K





IP40 IK07



**Liset 2.0 - suspension - direct light - Dark light - UGR<19**

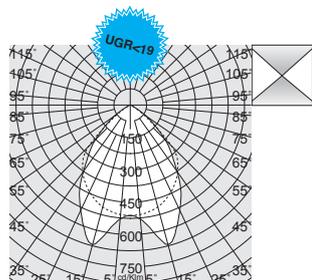
LED	housing	L (mm)	weight	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)	
				code			K - ølm - CRI	
LED 4 modules	white	1160	2,50	22302008-00		25	4000K - 2700lm - CRI>80	
	black			22302038-00				
LED 5 modules	white	1455	3,20	22302009-00		30	4000K - 3240lm - CRI>80	
	black			22302039-00				
LED 8 modules	white	2310	4,50	22302010-00		44	4000K - 4752lm - CRI>80	
	black			22302030-00				
CLD D-DIG (DALI)								
LED 4 moduli	white	1160	2,50	22302008-1241		25	4000K - 2700lm - CRI>80	
	black			22302038-1241				
LED 5 moduli	white	1455	3,20	22302009-1241		30	4000K - 3240lm - CRI>80	
	black			22302039-1241				
LED 8 moduli	white	2310	4,50	22302010-1241		44	4000K - 4752lm - CRI>80	
	black			22302030-1241				

Upon request:

- **CRI 90** - 4000K
- pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245**

Upon request:

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze



**Liset 2.0 - suspension - direct/indirect light - Dark light - UGR<19**

LED	housing	L (mm)	weight	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)	
				code			K - ølm - CRI	
LED 5 modules	white	1455	3,30	22302011-00		38	4000K - 4104lm - CRI>80	
	black			22302031-00				
LED 8 modules	white	2310	4,90	22302012-00		73	4000K - 7884lm - CRI>80	
	black			22302032-00				
CLD D-DIG (DALI)								
LED 5 modules	white	1455	3,30	22302011-1241		38	4000K - 4104lm - CRI>80	
	black			22302031-1241				
LED 8 modules	white	2310	4,90	22302012-1241		73	4000K - 7884lm - CRI>80	
	black			22302032-1241				

Upon request:

- **CRI 90** - 4000K
- pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245**

Upon request:

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze



IP40 IK07



575/1135/1415

**Liset 2.0 - suspension - direct light - comfort optics - UGR<19**

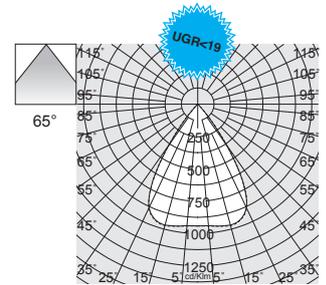
LED	housing	L (mm)	weight	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)	
				code			K - ølm - CRI - degrees	
<b>LED 14 lenses</b>	white	575	1,70	22303910-00		<b>18</b>	4000K - 2578lm - CRI>80 - 65°	
	black			22303930-00				
<b>LED 28 lenses</b>	white	1135	3,00	22303911-00		<b>22</b>	4000K - 3446lm - CRI>80 - 65°	
	black			22303931-00				
<b>LED 35 lenses</b>	white	1415	4,00	22303912-00		<b>30</b>	4000K - 4804lm - CRI>80 - 65°	
	black			22303932-00				
<b>CLD D-DIG (DALI)</b>								
<b>LED 14 lenses</b>	white	575	1,70	22303910-1241		<b>18</b>	4000K - 2578lm - CRI>80 - 65°	
	black			22303930-1241				
<b>LED 28 lenses</b>	white	1135	3,00	22303911-1241		<b>22</b>	4000K - 3446lm - CRI>80 - 65°	
	black			22303931-1241				
<b>LED 35 lenses</b>	white	1415	4,00	22303912-1241		<b>30</b>	4000K - 4804lm - CRI>80 - 65°	
	black			22303932-1241				

**Upon request:**

- **CRI 90** - 4000K
- 3000K version with sub-code **-39**
- Pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245**
- 76° beam version

**Upon request:**

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze



**Liset 2.0 - suspension - direct/indirect light - DARK comfort optics - UGR<19**

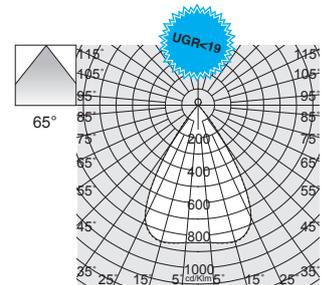
LED	housing	L (mm)	weight	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)	
				code			K - ølm - CRI - degrees	
<b>LED 35 lenses</b>	white	1415	4,50	22303913-00		<b>37</b>	4000K - 5420lm - CRI>80 - 65°	
	black			22303933-00				
<b>CLD D-DIG (DALI)</b>								
<b>LED 35 lenses</b>	white	1415	4,50	22303913-1241		<b>37</b>	4000K - 5420lm - CRI>80 - 65°	
	black			22303933-1241				

**Upon request:**

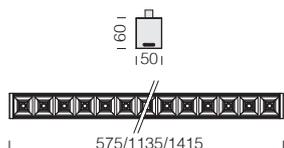
- **CRI 90** - 4000K
- 3000K version with sub-code **-39**
- Pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245**
- 76° beam version

**Upon request:**

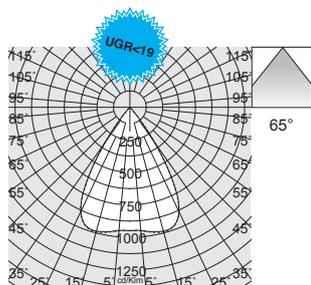
natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze



IP40 IK07



**Liset 2.0 - suspension - direct light - comfort optics - UGR<19**



		CLD		LUMEN OUTPUT (tq= 25 °C)		
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI - degrees
<b>LED 14 lenses</b>	white	575	1,70	22302110-00	<b>18</b>	4000K - 2486lm - CRI 80 - 65°
	black			22302130-00		
<b>LED 28 lenses</b>	white	1135	3,00	22302111-00	<b>22</b>	4000K - 3250lm - CRI 80 - 65°
	black			22302131-00		
<b>LED 35 lenses</b>	white	1415	4,00	22302112-00	<b>30</b>	4000K - 4561lm - CRI 80 - 65°
	black			22302132-00		
CLD D-DIG (DALI)						
<b>LED 14 lenses</b>	white	575	1,70	22302110-1241	<b>18</b>	4000K - 2486lm - CRI 80 - 65°
	black			22302130-1241		
<b>LED 28 lenses</b>	white	1135	3,00	22302111-1241	<b>22</b>	4000K - 3250lm - CRI 80 - 65°
	black			22302131-1241		
<b>LED 35 lenses</b>	white	1415	4,00	22302112-1241	<b>30</b>	4000K - 4561lm - CRI 80 - 65°
	black			22302132-1241		

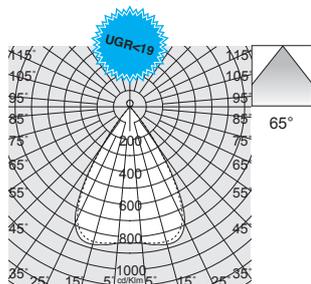
Upon request:

- **CRI 90** - 4000K
- 3000K version with sub-code **-39**
- Pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245**
- 76° beam version

Upon request:

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze

**Liset 2.0 - suspension - direct/indirect light - comfort optics - UGR<19**



		CLD		LUMEN OUTPUT (tq= 25 °C)		
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
<b>LED 35 lenses</b>	white	1415	4,50	22302113-00	<b>37</b>	4000K - 5177lm - CRI 80
	black			22302133-00		
CLD D-DIG (DALI)						
<b>LED 35 lenses</b>	white	1415	4,50	22302113-1241	<b>37</b>	4000K - 5177lm - CRI 80
	black			22302133-1241		

Upon request:

- **CRI 90** - 4000K
- 3000K version with sub-code **-39**
- Pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245**
- 76° beam version

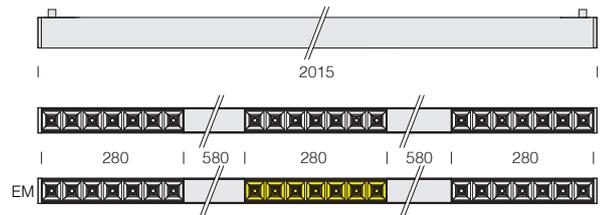
Upon request:

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze



IP40 IK07

160  
1501



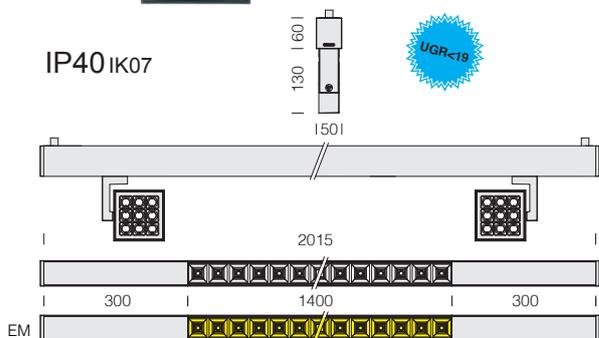
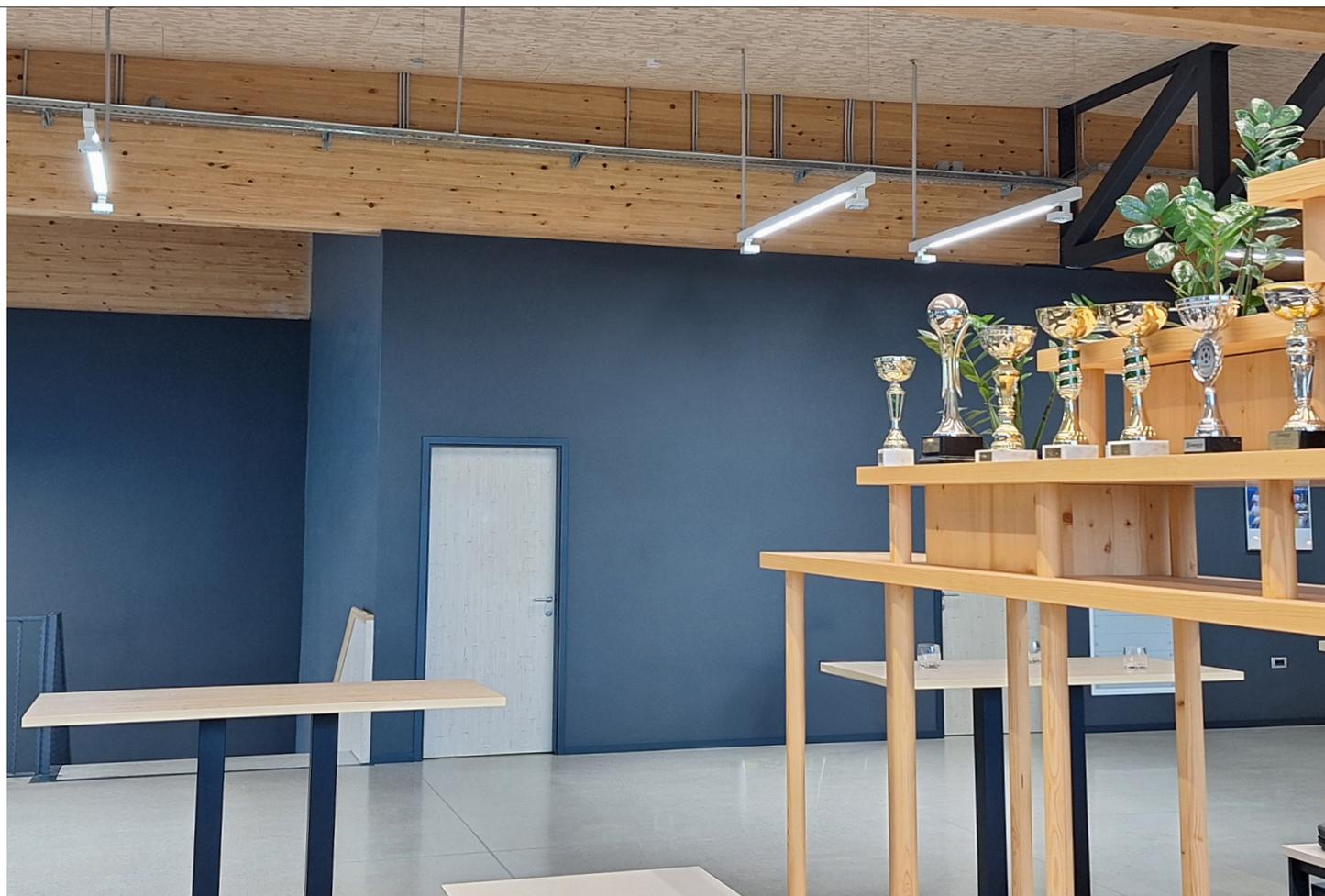
**Liset 2.0 - C+H+3M - suspension - UGR<19**

		CLD		LUMEN OUTPUT (tq= 25 °C)		
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI - degrees
LED	white	2015	4,60	22302512-00	27	4000K - 3x1243lm - CRI 80 - 65°
	black			22302532-00		
		CLD D-DIG (DALI)				
LED	white	2015	4,60	22302512-1241	27	4000K - 3x1243lm - CRI 80 - 65°
	black			22302532-1241		

**Standard composition:** 3 modules with 65° black comfort optics (upon request with 76° beam angle).

**Upon request:**

- **CRI 90** - 4000K
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**
- RADAR SENSOR with sub-code **-19**



**Standard composition:** Liset 2.0 with 65° black comfort optics + 2 modules with 32° spotlight (upon request with 76° comfort optics + 50° spotlights).  
Standard version includes double switching.

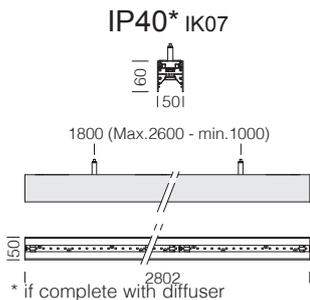
**Upon request:**

- **CRI 90** - 3000K - 4000K
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**

**Liset 2.0 - C+M+2S - suspension - UGR<19**

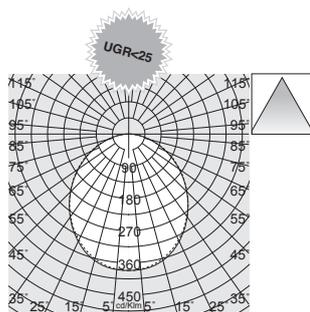
		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI - degrees
LED	white	2015	6,50	22302513-00	96	4000K - 4561lm - CRI>80 - 65°
	black			22302533-00		4000K - 2x2220lm - CRI>80 - 32°
<b>CLD D-DIG (DALI)</b>						
LED	white	2015	6,50	22302513-1241	96	4000K - 4561lm - CRI>80 - 65°
	black			22302533-1241		4000K - 2x2220lm - CRI>80 - 32°





To be completed with acc.:  
220**28010**-00 - 220**28030**-00  
end cap

To be completed with acc.:  
220**25843**-00  
diffuser roll



## Liset 2.0 "INFINITY" - suspension - to be completed with diffuser roll

LED	housing	L (mm)	weight	CLD		LUMEN OUTPUT (tq= 25 °C)	
				code	W tot	K - ølm - CRI	
<b>LED 10 modules</b>	white	2802	5,80	22307410-0072	<b>60</b>	4000K - 6120lm - CRI 80	
	black			22307430-0072			
<b>LED 10 modules</b>	white	2802	5,80	22307410-3972	<b>60</b>	3000K - 5814lm - CRI 80	
	black			22307430-3972			

"INFINITY" light module that enables continuous and uninterrupted light lines. To be completed with:

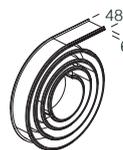
- opal polycarbonate film roll (upon request, UGR<19 roll is available)
- end cap
- brackets for continuous light line

Standard: with 2 millimetre adjustment device.

### Opal polycarbonate roll

opal	L = 30m	220 <b>25843</b> -00
------	---------	----------------------

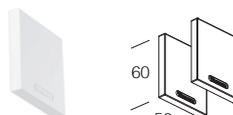
Opal polycarbonate Roll must always be used on Liset 2.0 "INFINITY" for continuous and uninterrupted "all light" lines. Upon request, UGR<19 prismatic roll is available.



### End cap

white	220 <b>28010</b> -00
black	220 <b>28030</b> -00

To be used to close the two terminal ends.



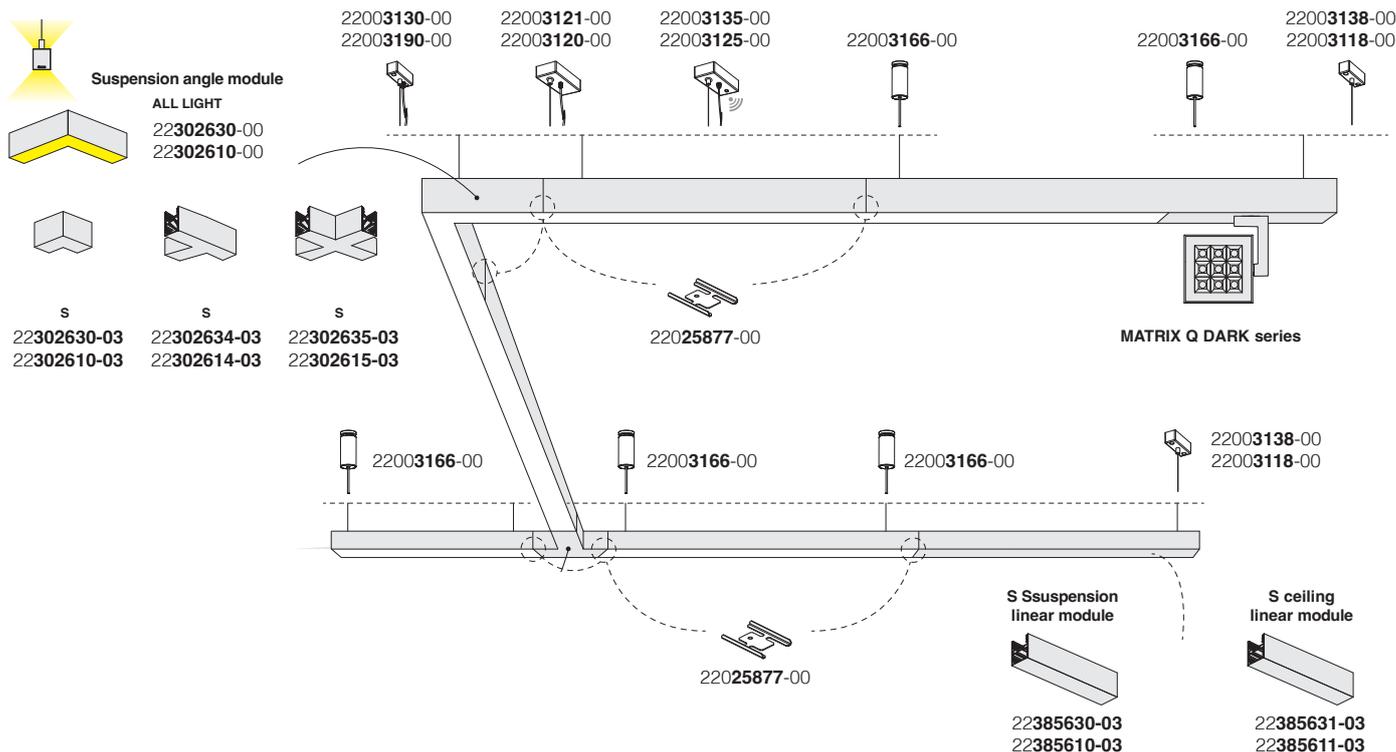
### Connecting bracket

220 <b>25877</b> -00
----------------------

It permits mechanical connection of the profiles.







**Suspension with wire**

black	22003138-00
white	22003118-00

Complete with steel wire (L = 100cm) and millimetre adjustment device. Max load: 20 kg.

**Powered suspension with wire**

black	22003130-00
white	22003190-00

Supplied with steel wire (L = 100cm) and millimetre adjustment device and power cord. Max loading: 20Kg.

**Suspension**

galvanised	22003166-00
------------	-------------

Supplied with steel wire (L=1,75m) and millimetre adjustment device. Max load: 20 kg.

**S suspension linear module**

black	22385630-03
white	22385610-03

It permits linear connection of Liset 2.0.

**Connecting bracket**

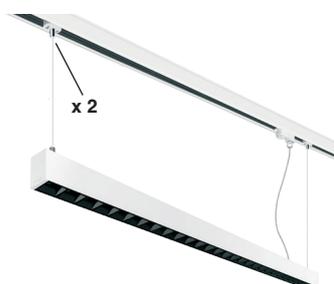
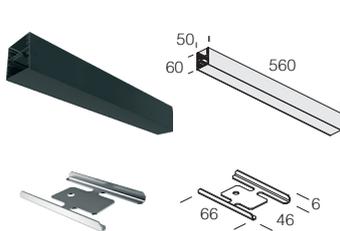
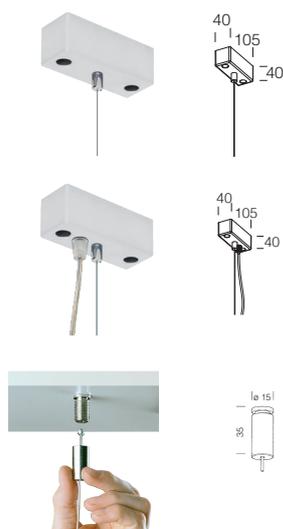
22025877-00
-------------

It permits mechanical connection of the profiles.

**3P/5P suspension attachment for track**

black	3P	22091432-00
white	3P	22091412-00
black	5P	22091432-1241
white	5P	22091412-1241
black	5P	22091432-09
white	5P	22091412-09

Supplied with steel wire, mechanical adapter (2 per pack), power adapter with 3P power cord for Omintrack, DALI 5P power cord for Omintrack Plus, 5P power cord + EM KIT (to be purchased separately) for Omintrack Plus.



**5P Powered suspension**

black	22003121-00
white	22003120-00

Supplied with steel wire (L = 100cm) and power cord. Max loading: 20Kg. For electric gear in **EM and DIMM DALI** versions.

**5P WIRELESS Powered suspension**

black	22003135-00
white	22003125-00

Supplied with steel wire (L = 100cm) and power cord. Max loading: 20Kg. For the **WIRELESS management of DIMM DALI** versions (**Out DALI : Max 7mA**).

**Suspension angle module "ALL LIGHT"**

black	22302630-00	14W
white	22302610-00	14W

It permits angle connection of Liset 2.0. **Upon request: DIMM DALI (-1241).** Kg= 1,1. **Only for Liset 2.0 version with opal diffusers.**

**S suspension angle module**

black	22302630-03
white	22302610-03

It permits angle connection of Liset 2.0.

**S suspension T angle module**

black	22302634-03
white	22302614-03

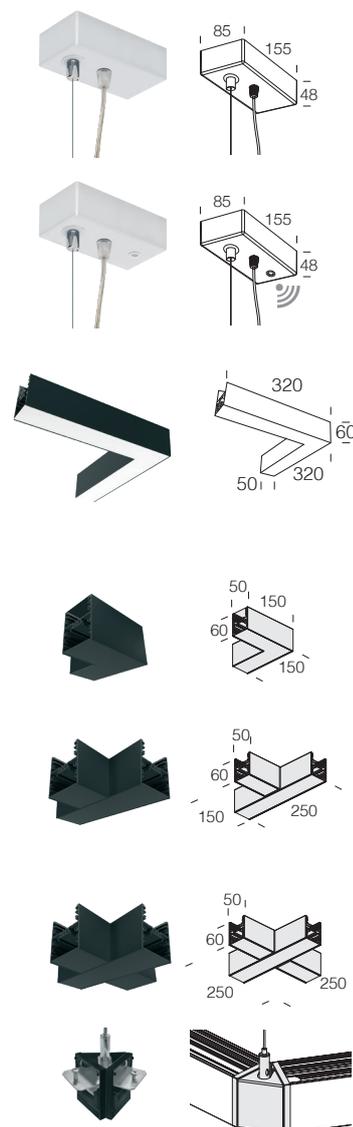
It permits T angle connection of Liset 2.0. Use with acc. 22025877-00.

**S suspension X angle module**

nero	22302635-03
bianco	22302615-03

It permits X angle connection of Liset 2.0. Use with acc. 22025877-00.

**Upon request: 120° suspension angle module**







**A**s simple as that!

Liset 2.0 is available also in the ceiling mount version.

All it takes is just a few wall anchors and the fixture is up and ready.

And that's not all! Thanks to the many different accessories available, you can create artistic designs like squares, rectangles, ecc.



The mechanical accessories that make the difference!

**S ceiling  
angle module**  
150x150 mm

- black 22302630-03
- white 22302610-03



**S ceiling T  
mounting module**  
150x250 mm

- black 22302634-03
- white 22302614-03



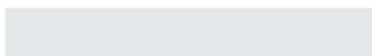
**S ceiling X  
mounting module**  
250x250 mm

- black 22302635-03
- white 22302615-03





**Linear module for ceiling mounting S**  
560 mm



black      **22385632-03**  
white      **22385612-03**

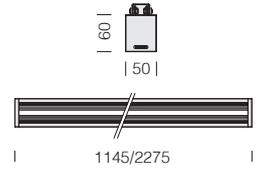
**Connecting bracket**  
It permits mechanical connection of the profiles in a continuous line.



galvanized      **22025877-00**

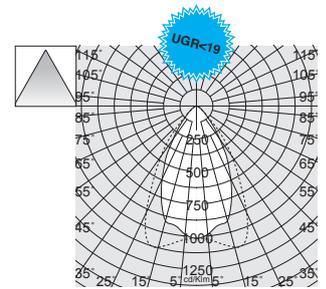


IP40 IK07



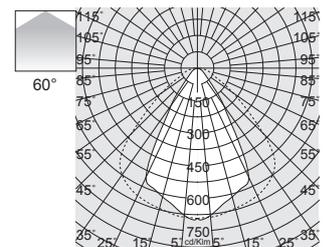
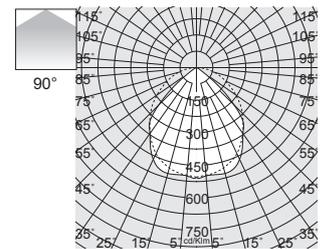
**Liset 2.0 HE - ceiling - UGR<19**

LED		housing	L (mm)	weight	code	W tot	LUMEN OUTPUT (tq= 25 °C)
CLD (ON-OFF)							
K - ølm - CRI							
LED 2 modules	white	1145	2,70	22303403-00	26	4000K - 3673lm - CRI 80	
	black			22303433-00			
LED 2 modules	white	1145	2,70	22303403-39	26	3000K - 3416lm - CRI 80	
	black			22303433-39			
LED 4 modules	white	2275	5,30	22303404-00	52	4000K - 7346lm - CRI 80	
	black			22303434-00			
LED 4 modules	white	2275	5,30	22303404-39	52	3000K - 6832lm - CRI 80	
	black			22303434-39			
CLD D-DIG (DALI)							
LED 2 modules	white	1145	2,70	22303403-1241	26	4000K - 3673lm - CRI 80	
	black			22303433-1241			
LED 2 modules	white	1145	2,70	22303403-3941	26	3000K - 3416lm - CRI 80	
	black			22303433-3941			
LED 4 modules	white	2275	5,30	22303404-1241	52	4000K - 7346lm - CRI 80	
	black			22303434-1241			
LED 4 modules	white	2275	5,30	22303404-3941	52	3000K - 6832lm - CRI 80	
	black			22303434-3941			



**Liset 2.0 HE - ceiling - 90°**

LED		housing	L (mm)	weight	code	W tot	LUMEN OUTPUT (tq= 25 °C)
CLD (ON-OFF)							
K - ølm - CRI							
LED 4 modules	white	1145	2,70	22303003-00	29	4000K - 3336lm - CRI 80	
	black			22303033-00			
LED 4 modules	white	1145	2,70	22303003-39	29	3000K - 3103lm - CRI 80	
	black			22303033-39			
LED 8 modules	white	2275	5,30	22303004-00	56	4000K - 6673lm - CRI 80	
	black			22303034-00			
LED 8 modules	white	2275	5,30	22303004-39	56	3000K - 6206lm - CRI 80	
	black			22303034-39			
CLD D-DIG (DALI)							
LED 4 modules	white	1145	2,70	22303003-1241	29	4000K - 3336lm - CRI 80	
	black			22303033-1241			
LED 4 modules	white	1145	2,70	22303003-3941	29	3000K - 3103lm - CRI 80	
	black			22303033-3941			
LED 8 modules	white	2275	5,30	22303004-1241	56	4000K - 6673lm - CRI 80	
	black			22303034-1241			
LED 8 modules	white	2275	5,30	22303004-3941	56	3000K - 6206lm - CRI 80	
	black			22303034-3941			



Upon request:  
60° beam angle

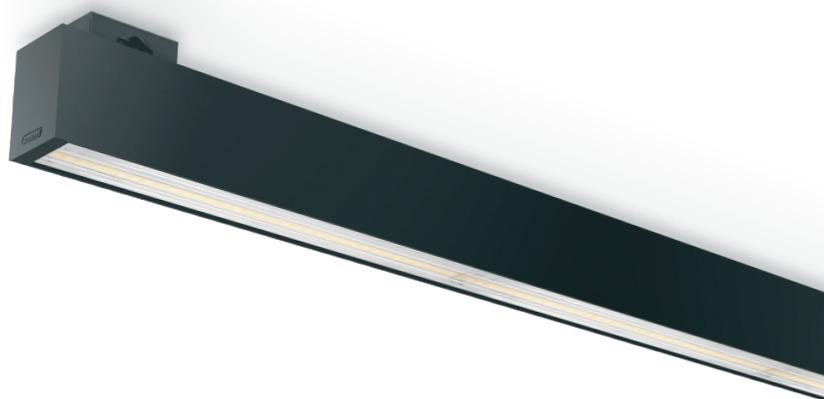
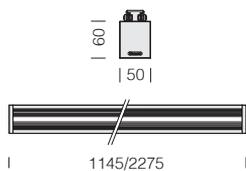
**Upon request:**

- version with pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)

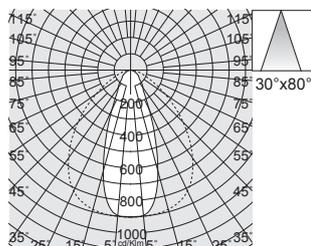
**Upon request:**

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze

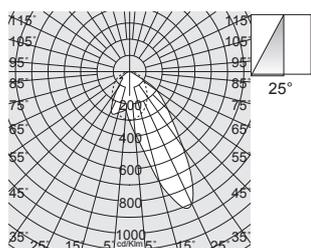
IP40 IK07



### Liset 2.0 HE - ceiling - 30° x 80°



		CLD (ON-OFF)				LUMEN OUTPUT (tq= 25 °C)
LED	housing	L (mm)	peso	code	W tot	K - ølm - CRI
LED 4 modules	white	1145	2,70	22303104-00	29	4000K - 3319lm - CRI 80
	black			22303134-00		
LED 4 modules	white	1145	2,70	22303104-39	29	3000K - 3087lm - CRI 80
	black			22303134-39		
LED 8 modules	white	2275	5,30	22303105-00	56	4000K - 6638lm - CRI 80
	black			22303135-00		
LED 8 modules	white	2275	5,30	22303105-39	56	3000K - 6174lm - CRI 80
	black			22303135-39		
		CLD D-DIG (DALI)				
LED 4 modules	white	1145	2,70	22303104-1241	29	4000K - 3319lm - CRI 80
	black			22303134-1241		
LED 4 modules	white	1145	2,70	22303104-3941	29	3000K - 3087lm - CRI 80
	black			22303134-3941		
LED 8 modules	white	2275	5,30	22303105-1241	56	4000K - 6638lm - CRI 80
	black			22303135-1241		
LED 8 modules	white	2275	5,30	22303105-3941	56	3000K - 6174lm - CRI 80
	black			22303135-3941		

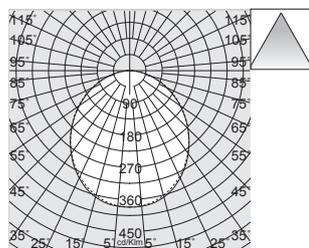
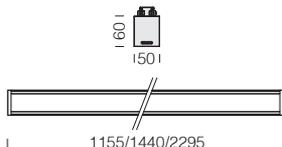


### Liset 2.0 HE - ceiling - 25° asymmetric optics

		CLD (ON-OFF)				LUMEN OUTPUT (tq= 25 °C)
LED	housing	L (mm)	peso	code	W tot	K - ølm - CRI
LED 4 modules	white	1145	2,70	22303203-00	29	4000K - 3091lm - CRI 80
	black			22303233-00		
LED 4 modules	white	1145	2,70	22303203-39	29	3000K - 2875lm - CRI 80
	black			22303233-39		
LED 8 modules	white	2275	5,30	22303204-00	56	4000K - 6182lm - CRI 80
	black			22303234-00		
LED 8 modules	white	2275	5,30	22303204-39	56	3000K - 5794lm - CRI 80
	black			22303234-39		
		CLD D-DIG (DALI)				
LED 4 modules	white	1145	2,70	22303203-1241	29	4000K - 3091lm - CRI 80
	black			22303233-1241		
LED 4 modules	white	1145	2,70	22303203-3941	29	3000K - 2875lm - CRI 80
	black			22303233-3941		
LED 8 modules	white	2275	5,30	22303204-1241	56	4000K - 6182lm - CRI 80
	black			22303234-1241		
LED 8 modules	white	2275	5,30	22303204-3941	56	3000K - 5794lm - CRI 80
	black			22303234-3941		



IP40 IK07



Accessories: see p. 46-47

**Liset 2.0 - ceiling - with polycarbonate diffuser**

		CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED 4 modules	white	1155	2,50	22302203-00	28	4000K - 2783lm - CRI 80
	black			22302233-00		
LED 4 modules	white	1155	2,50	22302203-39	28	3000K - 2588lm - CRI 80
	black			22302233-39		
LED 5 modules	white	1440	3,10	22302204-00	35	4000K - 3479lm - CRI 80
	black			22302234-00		
LED 5 modules	white	1440	3,10	22302204-39	35	3000K - 3263lm - CRI 80
	black			22302234-39		
LED 8 modules	white	2295	4,70	22302205-00	55	4000K - 5566lm - CRI 80
	black			22302235-00		
LED 8 modules	white	2295	4,70	22302205-39	55	3000K - 5177lm - CRI 80
	black			22302235-39		
		CLD D-DIG (DALI)				
LED 4 modules	white	1155	2,50	22302203-1241	28	4000K - 2783lm - CRI 80
	black			22302233-1241		
LED 4 modules	white	1155	2,50	22302203-3941	28	3000K - 2588lm - CRI 80
	black			22302233-3941		
LED 5 modules	white	1440	3,10	22302204-1241	35	4000K - 3479lm - CRI 80
	black			22302234-1241		
LED 5 modules	white	1440	3,10	22302204-3941	35	3000K - 3263lm - CRI 80
	black			22302234-3941		
LED 8 modules	white	2295	4,70	22302205-1241	55	4000K - 5566lm - CRI 80
	black			22302235-1241		
LED 8 modules	white	2295	4,70	22302205-3941	55	3000K - 5177lm - CRI 80
	black			22302235-3941		

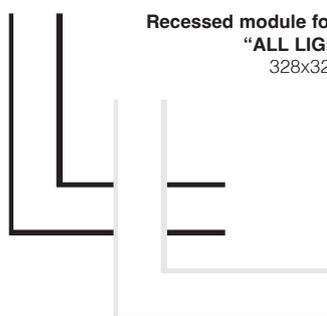
Upon request:

- **CRI 90** - 3000K and 4000K
- pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)

Upon request:

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze

“ALL LIGHT” accessories that make the difference!



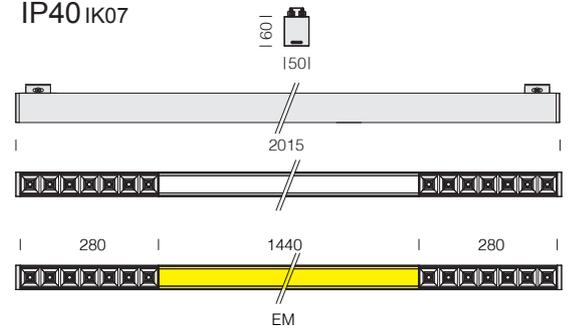
Recessed module for angular mounting  
“ALL LIGHT” 14W  
328x328 mm

black 22302631-00  
white 22302611-00

Upon request: DIMM DALI version with sub-code **-1241**.  
3000K version with sub-code **-39**.



IP40 IK07



**Liset 2.0 - B+2M - ceiling**

		CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
<b>LED</b>	white	2015	4,80	22302410-00	<b>53</b>	4000K - 3479lm - CRI 80 4000K - 2x1243lm - CRI 80 - 65°
<b>LED</b>	black	2015	4,80	22302430-00	<b>53</b>	4000K - 3479lm - CRI 80 4000K - 2x1243lm - CRI 80 - 65°
		CLD D-DIG (DALI)				
<b>LED</b>	white	2015	4,80	22302410-1241	<b>53</b>	4000K - 3479lm - CRI 80 4000K - 2x1243lm - CRI 80 - 65°
<b>LED</b>	black	2015	4,80	22302430-1241	<b>53</b>	4000K - 3479lm - CRI 80 4000K - 2x1243lm - CRI 80 - 65°

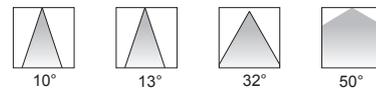
**Standard composition:** Liset 2.0 with diffuser + 2 modules with 65° black comfort optics (upon request with 76° beam angle). Standard version includes double switching.

**Upon request:**

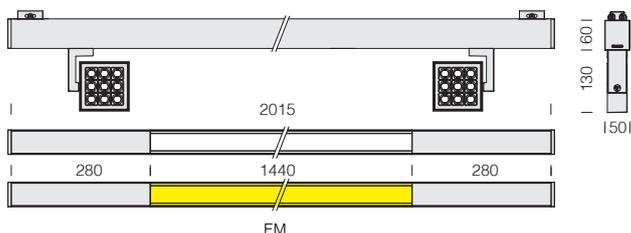
- **CRI 90** - 4000K
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**

Upon request: special versions with other spotlights of the Matrix Q series are available

**CRI 90** - 3000K or 4000K with different beam openings



IP40 IK07



**Standard composition:** Liset 2.0 with diffuser + 2 modules with 32° spotlight (upon request with 50° beam angles). Standard version includes double switching.

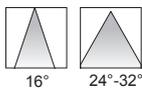
Upon request: a

- **CRI 90** - 3000K - 4000K
- 3000K version with sub-code **-39**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**

### Liset 2.0 - B+2S - ceiling

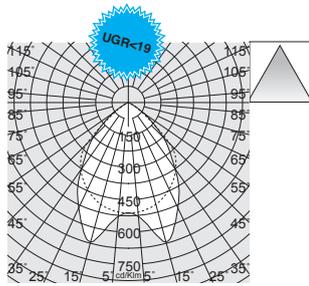
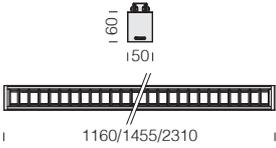
		CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI - degrees
LED	white	2015	6,50	22302411-00	101	4000K - 3479lm - CRI>80
						4000K - 2x2220lm - CRI>80 - 32°
LED	black	2015	6,50	22302431-00	101	4000K - 3479lm - CRI>80
						4000K - 2x2220lm - CRI>80 - 32°
CLD D-DIG (DALI)						
LED	white	2015	6,50	22302411-1241	101	4000K - 3479lm - CRI>80
						4000K - 2x2220lm - CRI>80 - 32°
LED	black	2015	6,50	22302431-1241	101	4000K - 3479lm - CRI>80
						4000K - 2x2220lm - CRI>80 - 32°

Upon request: special versions with other spotlights of the Matrix Q series are available **CRI 90** - 3000K or 4000K





IP40 IK07



Accessories: see p. 46-47

Liset 2.0 - ceiling - Dark light - UGR<19

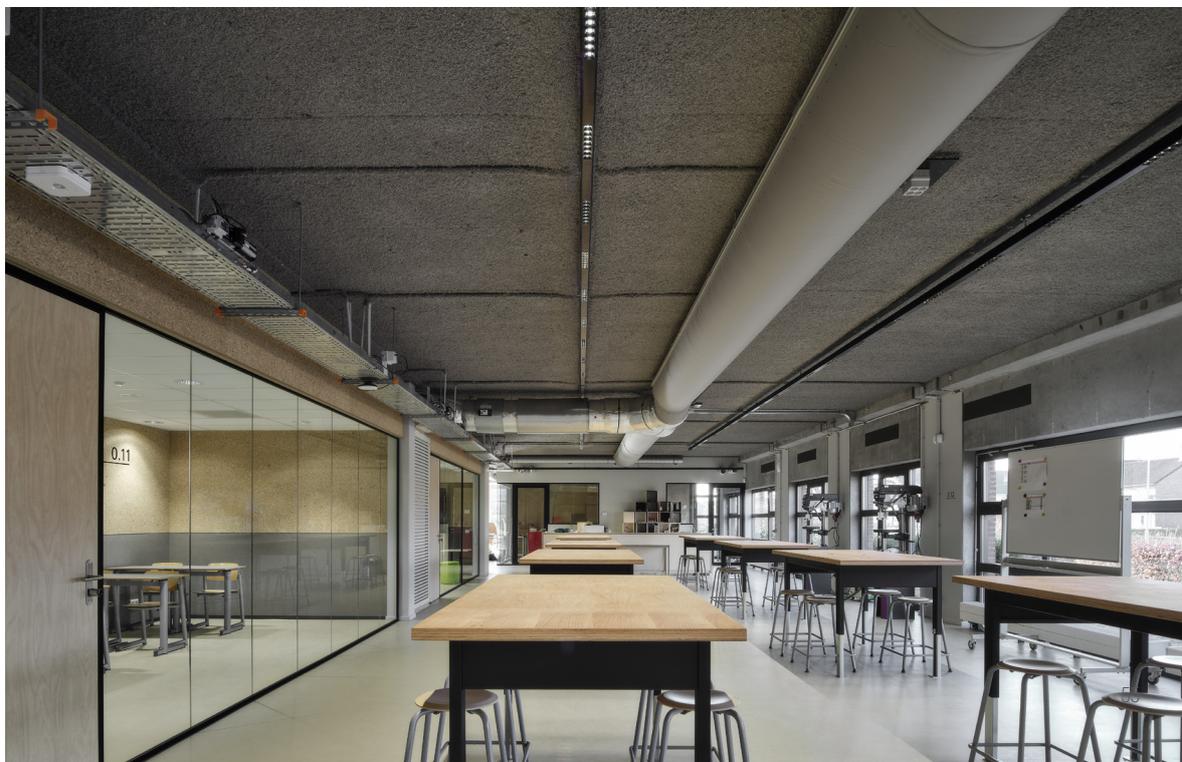
		CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED 4 modules	white	1160	2,50	22302003-00	25	4000K - 2700lm - CRI>80
	black			22302033-00		
LED 5 modules	white	1455	3,20	22302004-00	30	4000K - 3240lm - CRI>80
	black			22302034-00		
LED 8 modules	white	2310	4,50	22302005-00	44	4000K - 4752lm - CRI>80
	black			22302035-00		
		CLD D-DIG (DALI)				
LED 4 modules	white	1160	2,50	22302003-1241	25	4000K - 2700lm - CRI>80
	black			22302033-1241		
LED 5 modules	white	1455	3,20	22302004-1241	30	4000K - 3240lm - CRI>80
	black			22302034-1241		
LED 8 modules	white	2310	4,50	22302005-1241	44	4000K - 4752lm - CRI>80
	black			22302035-1241		

Upon request:

- **CRI 90** - 4000K
- pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**

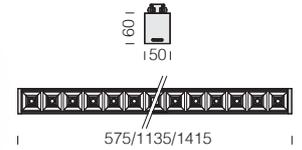
Upon request:

natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze



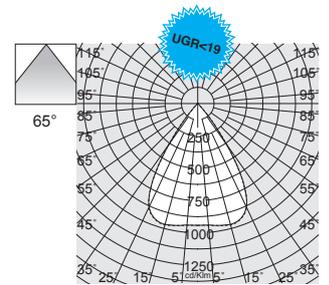


IP40 IK07



**Liset 2.0 - ceiling - DARK comfort optics - UGR<19**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI - degrees
		L (mm)	weight	code		
<b>LED 14 lenses</b>	white	575	1,70	22303904-00	<b>18</b>	4000K - 2578lm - CRI>80 - 65°
	black			22303934-00		
<b>LED 28 lenses</b>	white	1135	3,00	22303905-00	<b>22</b>	4000K - 3446lm - CRI>80 - 65°
	black			22303935-00		
<b>LED 35 lenses</b>	white	1415	4,00	22303906-00	<b>30</b>	4000K - 4804lm - CRI>80 - 65°
	black			22303936-00		
<b>CLD D-DIG (DALI)</b>						
<b>LED 14 lenses</b>	white	575	1,70	22303904-1241	<b>18</b>	4000K - 2578lm - CRI>80 - 65°
	black			22303934-1241		
<b>LED 28 lenses</b>	white	1135	3,00	22303905-1241	<b>22</b>	4000K - 3446lm - CRI>80 - 65°
	black			22303935-1241		
<b>LED 35 lenses</b>	white	1415	4,00	22303906-1241	<b>30</b>	4000K - 4804lm - CRI>80 - 65°
	black			22303936-1241		



**Upon request:**

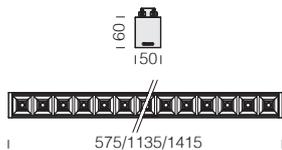
- 3000K version with subcode **-39**.
- **CRI 90** - 3000K and 4000K
- pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)
- 76° beam version

**Upon request:**

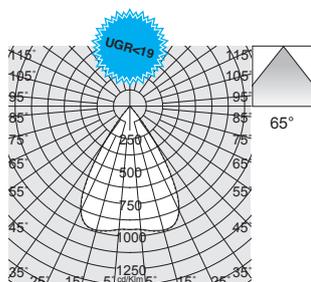
natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze



IP40 IK07



**Liset 2.0 - ceiling - comfort optics - UGR<19**



		CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI - degrees
<b>LED 14 lenses</b>	white	575	1,70	22302104-00	<b>18</b>	4000K - 2486lm - CRI 80 - 65°
	black			22302134-00		
<b>LED 14 lenses</b>	white	575	1,70	22302104-39	<b>18</b>	3000K - 2405lm - CRI 80 - 65°
	black			22302134-39		
<b>LED 28 lenses</b>	white	1135	3,00	22302105-00	<b>22</b>	4000K - 3250lm - CRI 80 - 65°
	black			22302135-00		
<b>LED 28 lenses</b>	white	1135	3,00	22302105-39	<b>22</b>	3000K - 3144lm - CRI 80 - 65°
	black			22302135-39		
<b>LED 35 lenses</b>	white	1415	4,00	22302106-00	<b>30</b>	4000K - 4561lm - CRI 80 - 65°
	black			22302136-00		
<b>LED 35 lenses</b>	white	1415	4,00	22302106-39	<b>30</b>	3000K - 4413lm - CRI 80 - 65°
	black			22302136-39		
		CLD D-DIG (DALI)				
<b>LED 14 lenses</b>	white	575	1,70	22302104-1241	<b>18</b>	4000K - 2486lm - CRI 80 - 65°
	black			22302134-1241		
<b>LED 14 lenses</b>	white	575	1,70	22302104-3941	<b>18</b>	3000K - 2405lm - CRI 80 - 65°
	black			22302134-3941		
<b>LED 28 lenses</b>	white	1135	3,00	22302105-1241	<b>22</b>	4000K - 3250lm - CRI 80 - 65°
	black			22302135-1241		
<b>LED 28 lenses</b>	white	1135	3,00	22302105-3941	<b>22</b>	3000K - 3144lm - CRI 80 - 65°
	black			22302135-3941		
<b>LED 35 lenses</b>	white	1415	4,00	22302106-1241	<b>30</b>	4000K - 4561lm - CRI 80 - 65°
	black			22302136-1241		
<b>LED 35 lenses</b>	white	1415	4,00	22302106-3941	<b>30</b>	3000K - 4413lm - CRI 80 - 65°
	black			22302136-3941		

**Upon request:**

- **CRI 90** - 3000K and 4000K
- pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)
- 76° beam version

**Upon request:**

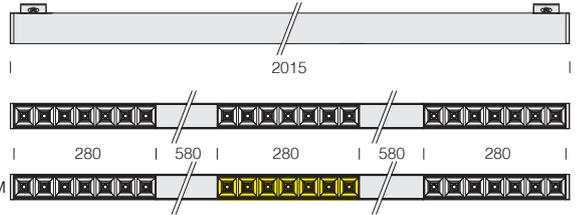
natural light wood, natural dark wood  
smooth: silver, anodic ice, golden beach, bronze



IP40 IK07

160  
1501

UGR<19



### Liset 2.0 - B+H+3M - ceiling - UGR<19

		CLD (ON-OFF)			LUMEN USCENTI (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI - degrees
LED	white	2015	4,90	22302412-00	27	4000K - 3x1243lm - CRI 80 - 65°
	black			22302432-00		
		CLD D-DIG (DALI)				
LED	white	2015	4,90	22302412-1241	27	4000K - 3x1243lm - CRI 80 - 65°
	black			22302432-1241		

**Standard composition:** 3 modules with 65° black comfort optics (upon request with 76° beam angle).

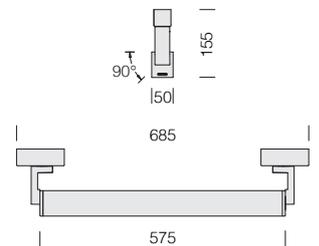
**Upon request:**

- **CRI 90** - 4000K
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**
- With RADAR SENSOR: sub-code **-19**



IP40 IK07

UGR<19



### Liset 2.0 - OR3 - adjustable on ceiling/wall - comfort optics - UGR<19

		CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	weight	W tot	K - ølm - CRI - degrees
LED 14 lenses	white	575	2,10	22304110-00	18	4000K - 2486lm - CRI 80 - 65°
	black			22304130-00		
LED 14 lenses	white	575	2,10	22304110-39	18	3000K - 2405lm - CRI 80 - 65°
	black			22304130-39		

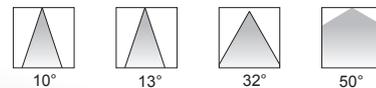
**Upon request:**

- **CRI 90** - 4000K
- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K)
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 76° beam version

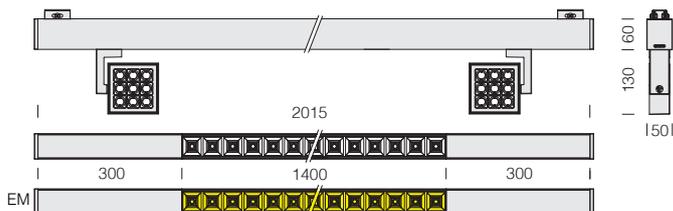


Upon request: special versions with other spotlights of the Matrix Q series are available

**CRI 90** - 3000K or 4000K with different beam openings



IP40 IK07



**Standard composition:** Liset 2.0 with 65° black comfort optics + 2 modules with 32° spotlight (upon request with 76° comfort optics + 50° spotlights).

Standard version includes double switching.

**Upon request:**

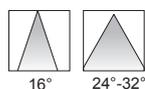
- **CRI 90** - 3000K - 4000K
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**

**Liset 2.0 - B+M+2S - ceiling - UGR<19**

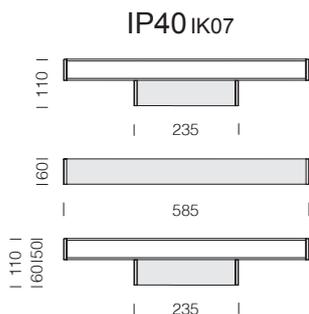
LED	housing	L (mm)	weight	CLD (ON-OFF)		LUMEN USCENTI (tq= 25 °C)	
				code	W tot	K - ølm - CRI - degrees	
LED	white	2015	6,50	22302413-00	96	4000K - 4561lm - CRI>80 - 65° 4000K - 2x2220lm - CRI>80 - 32°	
LED	black	2015	6,50	22302433-00	96	4000K - 4561lm - CRI>80 - 65° 4000K - 2x2220lm - CRI>80 - 32°	
CLD D-DIG (DALI)							
LED	white	2015	6,50	22302413-1241	96	4000K - 4561lm - CRI>80 - 65° 4000K - 2x2220lm - CRI>80 - 32°	
LED	black	2015	6,50	22302433-1241	96	4000K - 4561lm - CRI>80 - 65° 4000K - 2x2220lm - CRI>80 - 32°	



Upon request: special versions with other spotlights of the Matrix Q series are available **CRI 90** - 3000K or 4000K

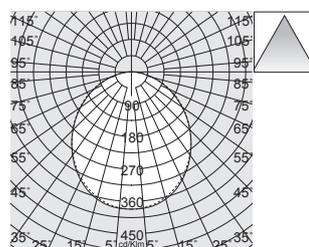






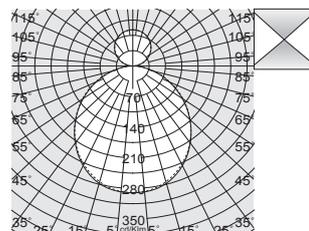
**Liset 2.0 - wall - opal diffuser direct light**

LED	housing	CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code	W tot	K - ølm - CRI
<b>LED 2 modules</b>	white	585	1,80	22 <b>303510-00</b>	<b>14</b>	4000K - 1250lm - CRI>80
	black			22 <b>303530-00</b>		
<b>LED 2 modules</b>	white	585	1,80	22 <b>303510-39</b>	<b>14</b>	3000K - 1202lm - CRI>80
	black			22 <b>303530-39</b>		



**Liset 2.0 - wall - opal diffuser direct/indirect light**

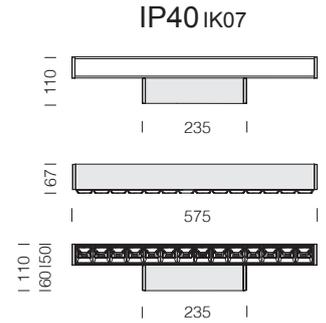
LED	housing	CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code	W tot	K - ølm - CRI
<b>LED 2+2 modules</b>	white	585	2,10	22 <b>303610-00</b>	<b>28</b>	4000K - 2530lm - CRI>80
	black			22 <b>303630-00</b>		
<b>LED 2+2 modules</b>	white	585	2,10	22 <b>303610-39</b>	<b>28</b>	3000K - 2404lm - CRI>80
	black			22 <b>303630-39</b>		



Complete with mounting brackets for wall mount applications.

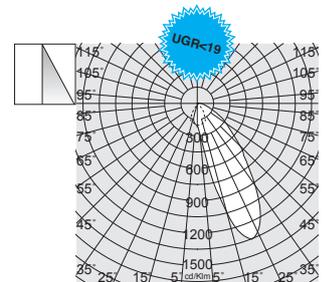
**Upon request:**

- **CRI 90** - 3000K and 4000K
- DIMM-DALI version with subcode **-1241** (4000K) or **-3941** (3000K)
- PUSH-DIMM version with subcode **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)



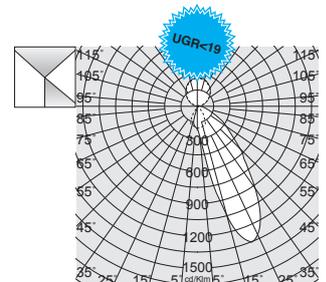
**Liset 2.0 - asymmetric wall - DARK comfort optics direct light - UGR<19**

LED	housing	L (mm)	weight	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)	
				code			K - ølm - CRI	
LED 14 lenses	white	585	1,80	22304910-00	13	4000K - 1670lm - CRI>80		
	black			22304930-00				
LED 14 lenses	white	585	1,80	22304910-39	13	3000K - 1560lm - CRI>80		
	black			22304930-39				



**Liset 2.0 - asymmetric wall - DARK comfort optics dir. +diffuser ind. - UGR<19**

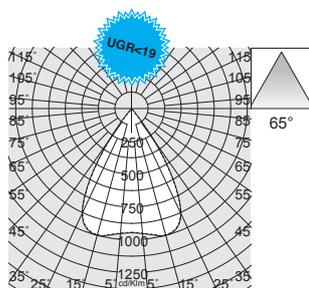
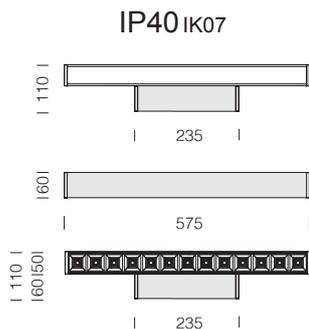
LED	housing	L (mm)	weight	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)	
				code			K - ølm - CRI	
LED 14 lenses	white	575	2,10	22304810-00	26	4000K - 2710lm - CRI>80		
	black			22304830-00				
LED 14 lenses	white	575	2,10	22304810-39	26	3000K - 2540lm - CRI>80		
	black			22304830-39				



Complete with mounting brackets for wall mount applications.

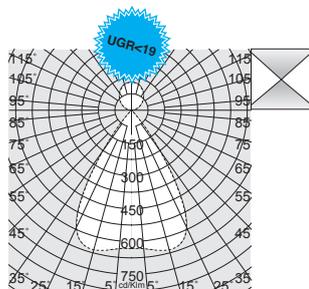
Upon request:

- **CRI 90** - 3000K and 4000K
- DIMM-DALI version with subcode **-1241** (4000K) or **-3941** (3000K)
- PUSH-DIMM version with subcode **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)



**Liset 2.0 - wall - comfort optics direct light - UGR<19**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI - degrees
<b>LED 14 lenses</b>	white	575	1,80	22303710-00	<b>13</b>	4000K - 1926lm - CRI>80 - 65°
	black			22303730-00		
<b>LED 14 lenses</b>	white	575	1,80	22303710-39	<b>13</b>	3000K - 1830lm - CRI>80 - 65°
	black			22303730-39		



**Liset 2.0 - wall - comfort optics direct light + diffuser indirect light - UGR<19**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI - degrees
<b>LED 14 lenses</b>	white	575	2,10	22303810-00	<b>26</b>	4000K - 2891lm - CRI>80 - 65°
	black			22303830-00		
<b>LED 14 lenses</b>	white	575	2,10	22303810-39	<b>26</b>	3000K - 2747lm - CRI>80 - 65°
	black			22303830-39		



Complete with mounting brackets for wall mount applications.

Upon request:

- **CRI 90** - 3000K and 4000K
- DIMM-DALI version with subcode **-1241** (4000K) or **-3941** (3000K)
- PUSH-DIMM version with subcode **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)

Upon request:  
version with white optical lenses





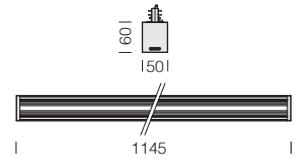
## Best deal for the retail sector

Thanks to the versions made for Omnitrack Plus track systems, installation in large rooms is quick and easy.

The product can be equipped with adjustable spotlights for accent lighting solutions.



IP40 IK07

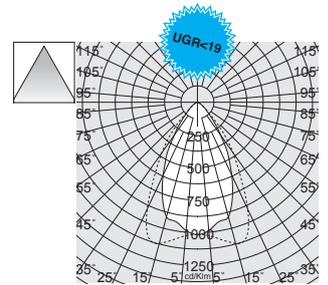


**Liset 2.0 HE - track - UGR<19**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
LED 2 modules	white	1145	2,70	22303405-00	26	4000K - 3673lm - CRI 80
	black			22303435-00		
LED 2 modules	white	1145	2,70	22303405-39	26	3000K - 3416lm - CRI 80
	black			22303435-39		

**Upon request:**

- DIMM-DALI version with sub-code **-124** (4000K) or **-3941** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)
- KIT EM for OMINTRACK PLUS to be purchased separately

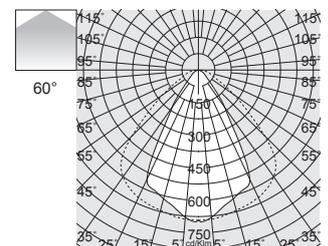
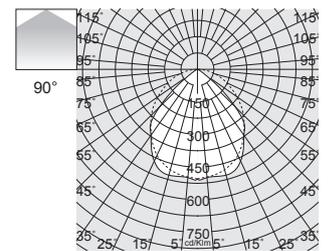


**Liset 2.0 HE - track - 90°**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
LED 4 modules	white	1145	2,70	22303006-00	29	4000K - 3336lm - CRI 80
	black			22303036-00		
LED 4 modules	white	1145	2,70	22303006-39	29	3000K - 3103lm - CRI 80
	black			22303036-39		

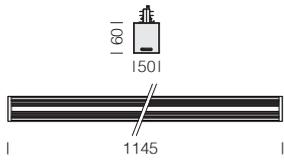
**Upon request:**

- DIMM-DALI version with sub-code **-124** (4000K) or **-3941** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)
- KIT EM for OMINTRACK PLUS to be purchased separately



**Upon request:**  
60° beam angle

IP40 IK07

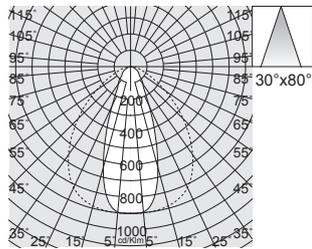


**Liset 2.0 HE - track - 30° x 80°**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
<b>LED 4 modules</b>	white	1145	2,70	22 <b>303107</b> -00	<b>29</b>	4000K - 3319lm - CRI 80
	black			22 <b>303137</b> -00		
<b>LED 4 modules</b>	white	1145	2,70	22 <b>303107</b> -39	<b>29</b>	3000K - 3087lm - CRI 80
	black			22 <b>303137</b> -39		

**Upon request:**

- DIMM-DALI version with sub-code **-124** (4000K) or **-3941** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)
- KIT EM for OMINTRACK PLUS to be purchased separately

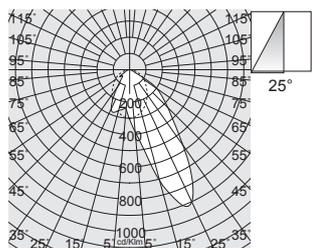


**Liset 2.0 HE - track - asymmetric 25°**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
<b>LED 4 modules</b>	white	1145	2,70	22 <b>303206</b> -00	<b>29</b>	4000K - 3091lm - CRI 80
	black			22 <b>303236</b> -00		
<b>LED 4 modules</b>	white	1145	2,70	22 <b>303206</b> -39	<b>29</b>	3000K - 2875lm - CRI 80
	black			22 <b>303236</b> -39		

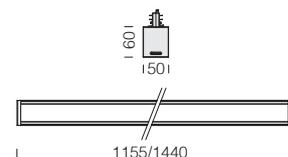
**Upon request:**

- DIMM-DALI version with sub-code **-124** (4000K) or **-3941** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)
- KIT EM for OMINTRACK PLUS to be purchased separately



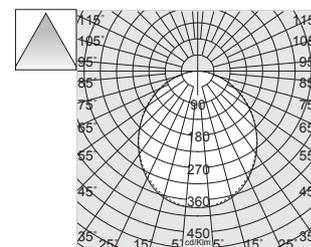


IP40 IK07



**Liset 2.0 - track - with polycarbonate diffuser**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
LED 4 modules	white	1155	2,50	22302206-00	28	4000K - 2783lm - CRI 80
	black			22302236-00		
LED 4 modules	white	1155	2,50	22302206-39	28	3000K - 2588lm - CRI 80
	black			22302236-39		
LED 5 modules	white	1440	3,10	22302207-00	35	4000K - 3479lm - CRI 80
	black			22302237-00		
LED 5 modules	white	1440	3,10	22302207-39	35	3000K - 3263lm - CRI 80
	black			22302237-39		

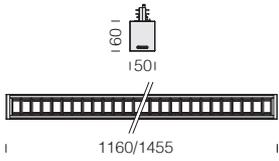


**Upon request:**

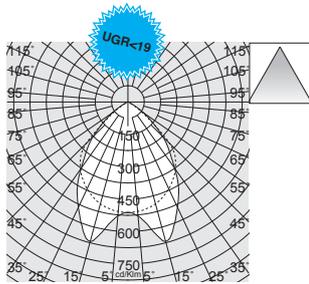
- **CRI 90** - 3000K and 4000K
- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K)
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)
- KIT EM for OMINTRACK PLUS to be purchased separately



IP40 IK07



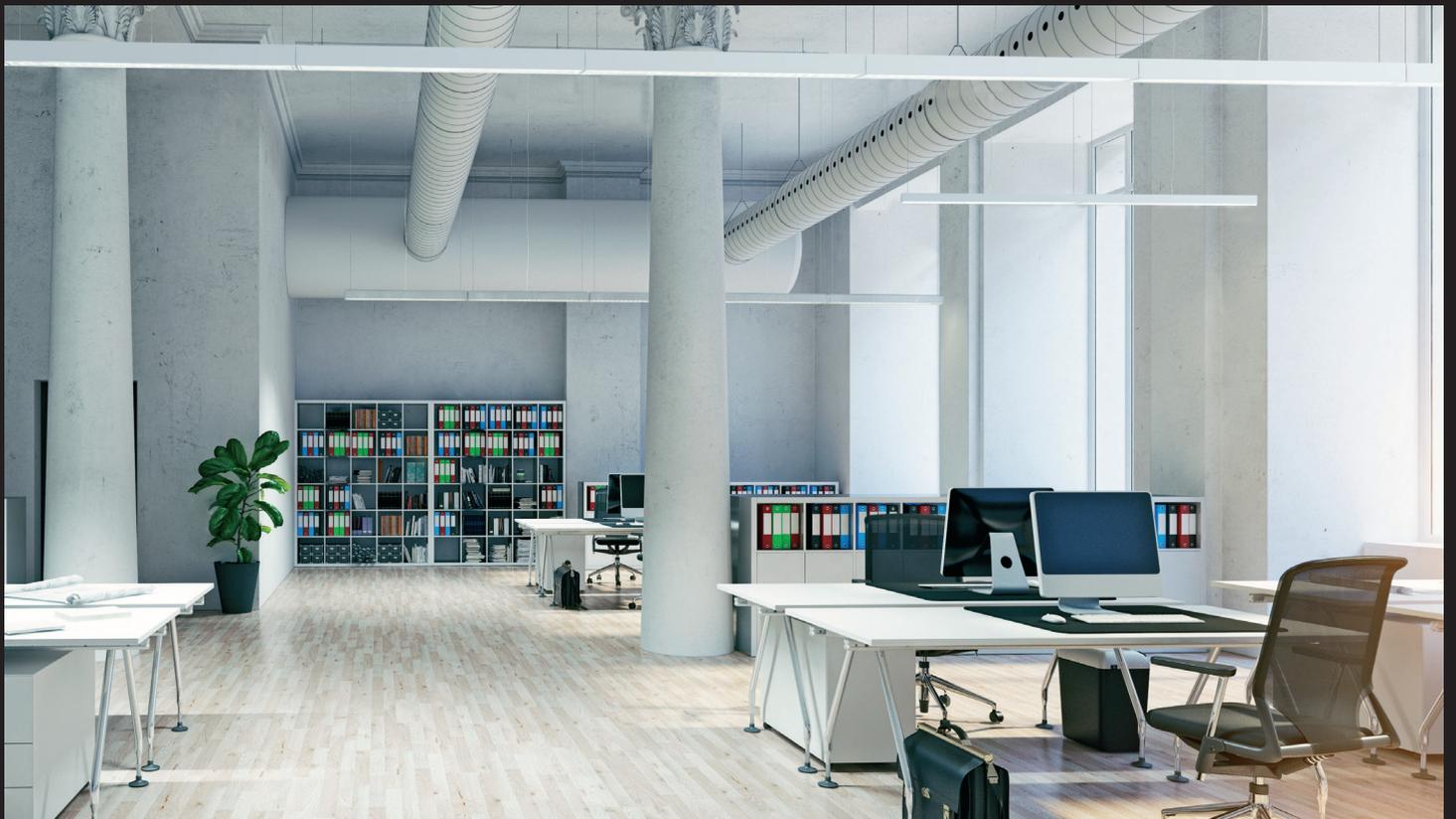
**Liset 2.0 - track - Dark light - UGR<19**



LED	housing	CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code	W tot	K - ølm - CRI
<b>LED 4 modules</b>	white	1160	2,50	22302006-00	<b>25</b>	4000K - 2700lm - CRI>80
	black			22302036-00		
<b>LED 5 modules</b>	white	1455	3,20	22302007-00	<b>30</b>	4000K - 3240lm - CRI>80
	black			22302037-00		

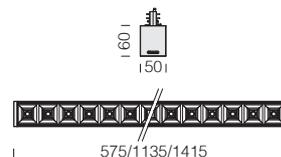
**Upon request:**

- **CRI 90** - 4000K
- DIMM-DALI version with sub-code **-1241**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09** (4000K)
- 3h EM version with subcode **-31** (4000K)
- KIT EM for OMINTRACK PLUS to be purchased separately





IP40 IK07

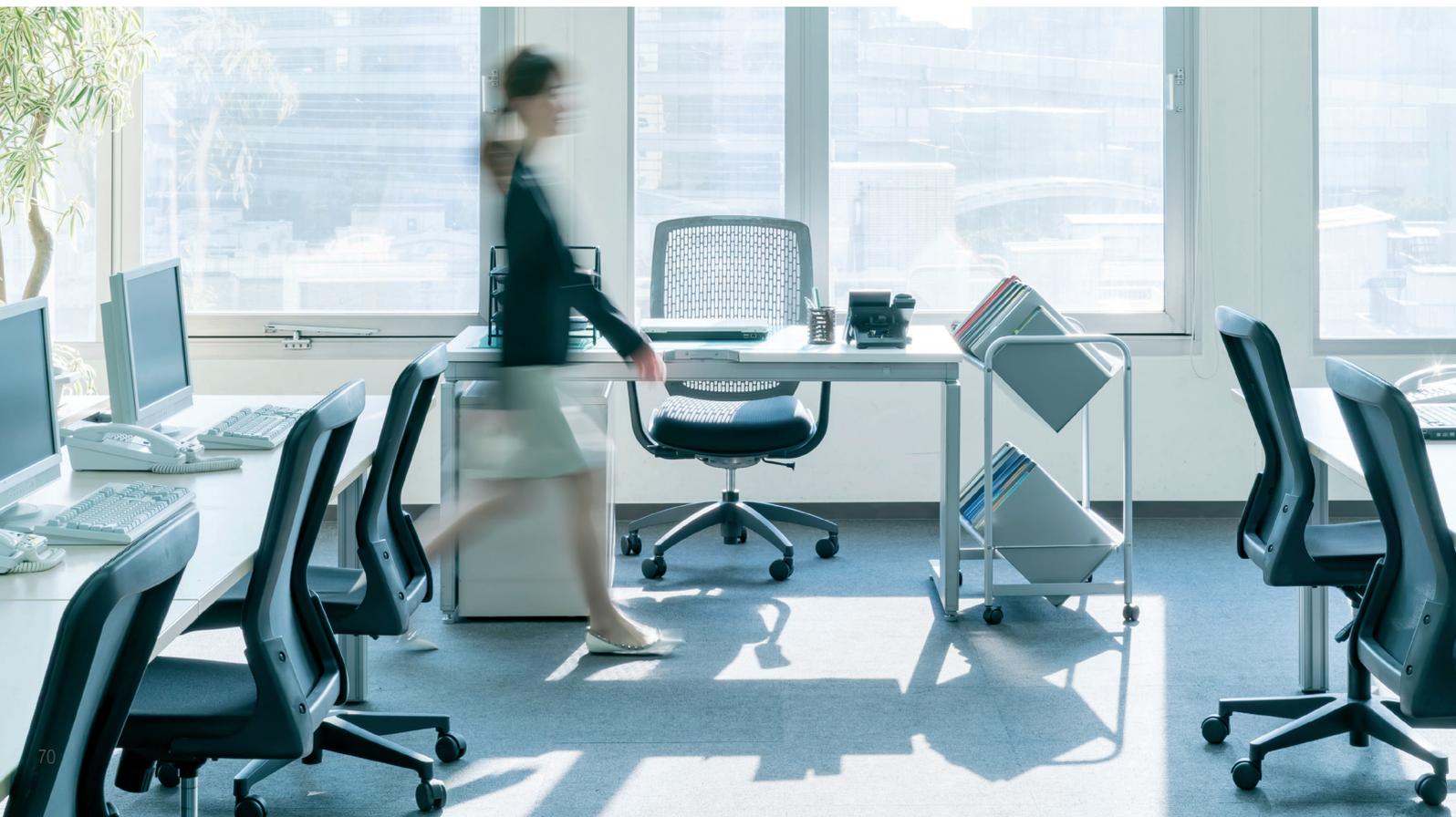
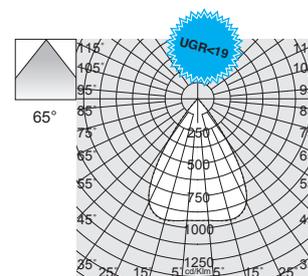


**Liset 2.0 - track - DARK comfort optics - UGR<19**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI - degrees
<b>LED 14 lenses</b>	white	575	1,70	22303907-00	<b>18</b>	4000K - 2578lm - CRI>80 - 65°
	black			22303937-00		
<b>LED 28 lenses</b>	white	1135	3,00	22303908-00	<b>22</b>	4000K - 3446lm - CRI>80 - 65°
	black			22303938-00		
<b>LED 35 lenses</b>	white	1415	4,00	22303909-00	<b>30</b>	4000K - 4804lm - CRI>80 - 65°
	black			22303939-00		

**Upon request:**

- **CRI 90** - 4000K
- DIMM-DALI version with sub-code **-1241** (4000K)
- PUSH-DIMM version with sub-code **-1245** (4000K)
- 1h EM version with subcode **-09** (4000K)
- 3h EM version with subcode **-31** (4000K)
- KIT EM for OMINTRACK PLUS to be purchased separately



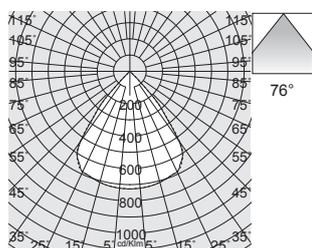
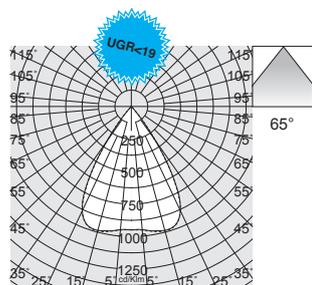
IP40 IK07



575/1135/1415



Liset 2.0 - track - comfort optics - UGR<19



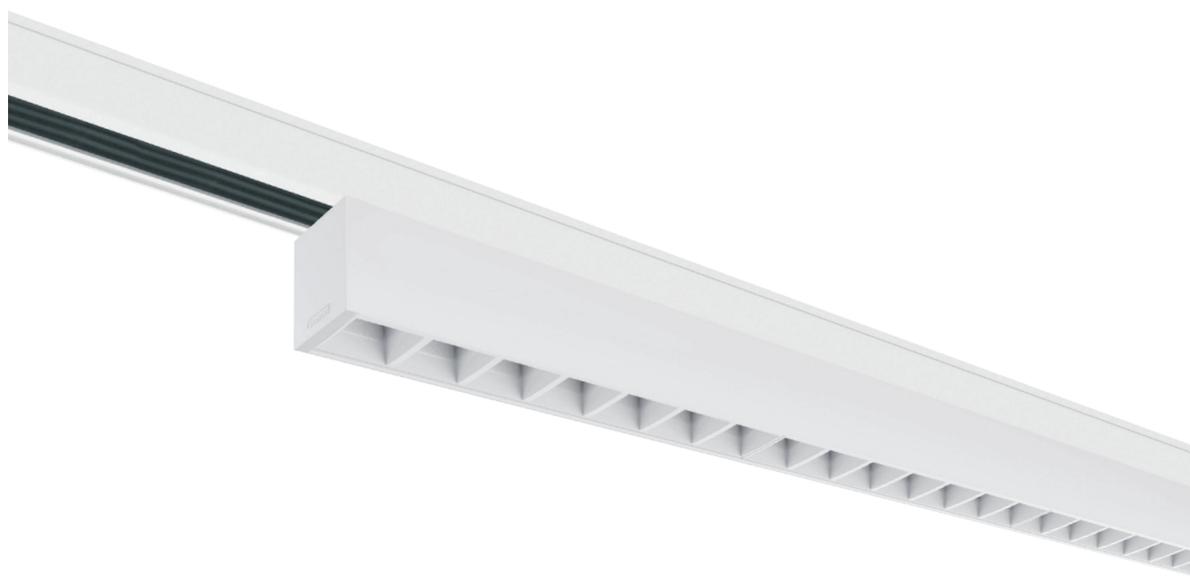
Upon request:  
76° beam

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI - degrees
LED 14 lenses	white	575	1,70	22302107-00	18	4000K - 2486lm - CRI 80 - 65°
	black			22302137-00		
LED 14 lenses	white	575	1,70	22302107-39	18	3000K - 2405lm - CRI 80 - 65°
	black			22302137-39		
LED 28 lenses	white	1135	3,00	22302108-00	22	4000K - 3250lm - CRI 80 - 65°
	black			22302138-00		
LED 28 lenses	white	1135	3,00	22302108-39	22	3000K - 3144lm - CRI 80 - 65°
	black			22302138-39		
LED 35 lenses	white	1415	4,00	22302109-00	30	4000K - 4561lm - CRI 80 - 65°
	black			22302139-00		
LED 35 lenses	white	1415	4,00	22302109-39	30	3000K - 4413lm - CRI 80 - 65°
	black			22302139-39		

Upon request:

- CRI 90 - 3000K and 4000K
- DIMM-DALI version with sub-code -1241 (4000K) or -3941 (3000K)
- PUSH-DIMM version with sub-code -1245 (4000K) or -3945 (3000K)
- 1h EM version with subcode -09 (4000K) or -0928 (3000K)
- 3h EM version with subcode -31 (4000K) or -3957 (3000K)
- KIT EM for OMINTRACK PLUS to be purchased separately

Upon request: version with white optics





Track projectors that make the difference!



Matrix Q9

Matrix Q4

Matrix Q10

Matrix Q5

Focus SLIM  
"T" 5.0

Focus SLIM  
"T" 7.0

Focus SLIM  
"T" 111

Focus SLIM  
"Q" 5.0

Focus SLIM  
"Q" 7.0

Focus SLIM  
"Q" 111

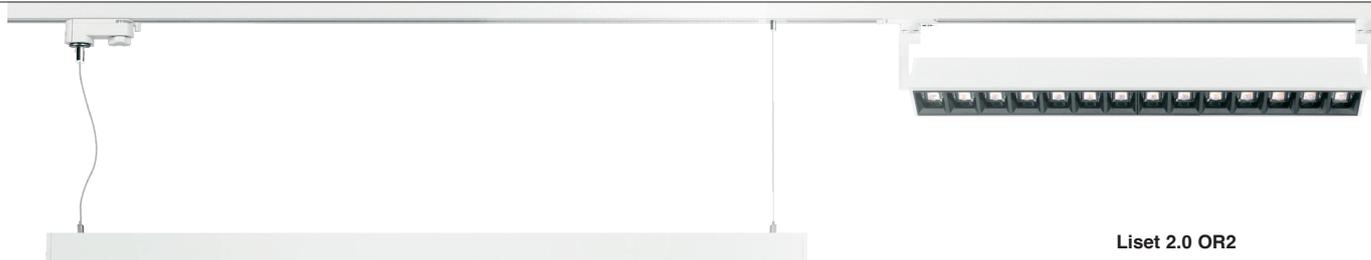


**F**or all your accent lighting needs!

When you install spotlights on a track or rail system, you may end up with empty spaces between one Liset spotlight and the next.

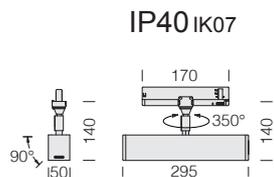
This creates an excellent opportunity to add adjustable complementary spotlights to achieve accent lighting effects.

Omnitrack Plus



Liset 2.0 OR2



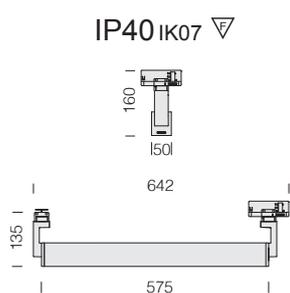


**Liset 2.0 - OR1 - adjustable on track - comfort optics - UGR<19**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI - degrees
LED 7 lenses	white	295	1,00	22304010-00	14	4000K - 2125lm - CRI 80 - 65°
	black			22304030-00		
LED 7 lenses	white	295	1,00	22304010-39	14	3000K - 2033lm - CRI 80 - 65°
	black			22304030-39		

**Upon request:**

- **CRI 90** - 3000K and 4000K
- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K)

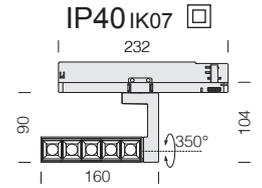
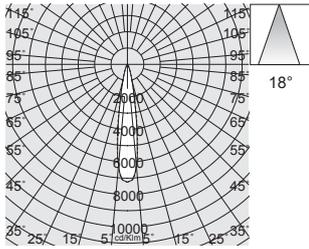


**Liset 2.0 - OR2 - adjustable on track - comfort optics - UGR<19**

LED	housing	CLD (ON-OFF)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI - degrees
LED 14 lenses	white	575	2,50	22304210-00	18	4000K - 2486lm - CRI 80 - 65°
	black			22304230-00		
LED 14 lenses	white	575	2,50	22304210-39	18	3000K - 2405lm - CRI 80 - 65°
	black			22304230-39		

**Upon request:**

- **CRI 90** - 3000K and 4000K
- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K)
- 76° beam version



**Matrix Q5 Dark "C" - universal adapter - CRI>90**

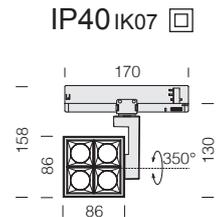
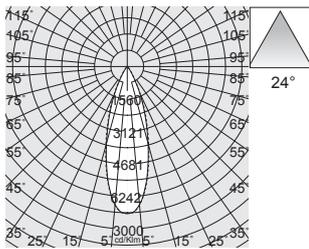
LED	colour	poids	CLD		LUMEN OUTPUT (tq= 25 °C)	
			code	I out	W tot	K - ølm - CRI - degrees
LED	white	0,50	22103311-39	700	12	3000K - 874lm - CRI>90 - 18°
			22103311-00			4000K - 920lm - CRI>90 - 18°

**Upon request:**

- DIMM-DALI version with sub-code -1241 (4000K) or -3941 (3000K) to be used with OMNITRACK PLUS track-mounted system.

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
600	10	3000K - 722lm - CRI>90 - 18°
650	11	3000K - 779lm - CRI>90 - 18°
700	12	3000K - 874lm - CRI>90 - 18°

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
600	10	4000K - 760lm - CRI>90 - 18°
650	11	4000K - 820lm - CRI>90 - 18°
700	12	4000K - 920lm - CRI>90 - 18°



**Matrix Q4 DARK "C" - universal adapter - CRI>90**

LED	colour	poids	CLD		LUMEN OUTPUT (tq= 25 °C)	
			code	I out	W tot	K - ølm - CRI - degrees
LED	white	0,50	22103710-39	500	19	3000K - 1353lm - CRI>90 - 17°
			22103710-00			4000K - 1424lm - CRI>90 - 17°

LED	white	0,50	22103711-39	500	19	3000K - 1528lm - CRI>90 - 24°
			22103711-00			4000K - 1608lm - CRI>90 - 24°

LED	white	0,50	22103712-39	500	19	3000K - 1622lm - CRI>90 - 38°
			22103712-00			4000K - 1707lm - CRI>90 - 38°

**Upon request:**

- DIMM-DALI version with sub-code -1241 (4000K) or -3941 (3000K) to be used with OMNITRACK PLUS track-mounted system.

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
450	17	3000K - 1244lm - CRI>90 - 17°
500	19	3000K - 1353lm - CRI>90 - 17°
550	21	3000K - 1447m - CRI>90 - 17°

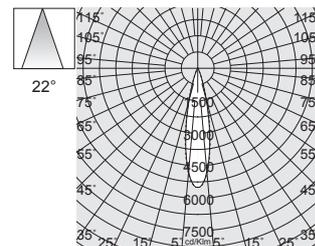
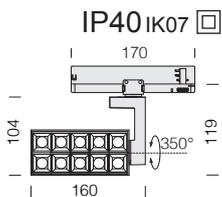
DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
450	17	4000K - 1310lm - CRI>90 - 17°
500	19	4000K - 1424lm - CRI>90 - 17°
550	21	4000K - 1523lm - CRI>90 - 17°

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
450	17	3000K - 1405lm - CRI>90 - 24°
500	19	3000K - 1528lm - CRI>90 - 24°
550	21	3000K - 1634lm - CRI>90 - 24°

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
450	17	4000K - 1479lm - CRI>90 - 24°
500	19	4000K - 1608lm - CRI>90 - 24°
550	21	4000K - 1720lm - CRI>90 - 24°

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
450	17	3000K - 1492lm - CRI>90 - 38°
500	19	3000K - 1622lm - CRI>90 - 38°
550	21	3000K - 1735lm - CRI>90 - 38°

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
450	17	4000K - 1570lm - CRI>90 - 38°
500	19	4000K - 1707lm - CRI>90 - 38°
550	21	4000K - 1826lm - CRI>90 - 38°



## Matrix Q10 Dark "C" - universal adapter - CRI>90

		CLD				LUMEN OUTPUT (tq= 25 °C)	
LED	colour	poids	code	I out	W tot	K - ølm - CRI - degrees	
LED	white	0,60	22103611-39	600	20	3000K - 1779lm - CRI>90 - 22°	
			22103611-00			4000K - 1873lm - CRI>90 - 22°	

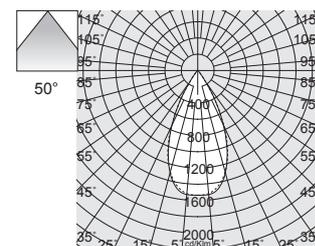
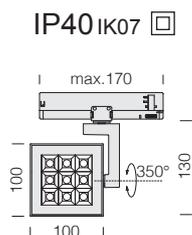
**Upon request:**

- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K) to be used with OMNITRACK PLUS track-mounted system.



		CLD				LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees					
500	17	3000K - 1511lm - CRI>90 - 22°					
550	19	3000K - 1682lm - CRI>90 - 22°					
600	20	3000K - 1779lm - CRI>90 - 22°					

		CLD				LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees					
500	17	4000K - 1590lm - CRI>90 - 22°					
550	19	4000K - 1770lm - CRI>90 - 22°					
600	20	4000K - 1873lm - CRI>90 - 22°					



## Matrix Q9 DARK "A" - DIP SWITCH - universal adapter - CRI>90

		CLD				LUMEN OUTPUT (tq= 25 °C)	
LED	couleur	poids	code	I out	W tot	K - ølm - CRI - degrees	
LED	white	0,70	22103010-00	1050	28	3000K - 2109lm - CRI>80 - 32°	
	black		22103030-00			4000K - 2220lm - CRI>80 - 32°	
LED	white	0,70	22103011-00	1050	28	3000K - 2043lm - CRI>80 - 32°	
	black		22103031-00			4000K - 2150lm - CRI>80 - 32°	

LED	white	0,70	22103014-00	1050	28	3000K - 2183lm - CRI>80 - 50°	
	black		22103034-00			4000K - 2298lm - CRI>80 - 50°	
LED	white	0,70	22103015-00	1050	28	3000K - 2032lm - CRI>80 - 50°	
	black		22103035-00			4000K - 2114lm - CRI>80 - 50°	

**Upon request:**

- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K) to be used with OMNITRACK PLUS track-mounted system.



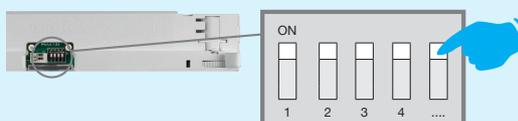
		CLD				LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees					
900	25	3000K - 1885lm - CRI>80 - 32°					
950	26	3000K - 1964lm - CRI>80 - 32°					
1000	27	3000K - 2043lm - CRI>80 - 32°					
1050	28	3000K - 2109lm - CRI>80 - 32°					

		CLD				LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees					
900	25	4000K - 1984lm - CRI>80 - 32°					
950	26	4000K - 2067lm - CRI>80 - 32°					
1000	27	4000K - 2150lm - CRI>80 - 32°					
1050	28	4000K - 2220lm - CRI>80 - 32°					

		CLD				LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees					
900	25	3000K - 1951lm - CRI>80 - 50°					
950	26	3000K - 2032lm - CRI>80 - 50°					
1000	27	3000K - 2114lm - CRI>80 - 50°					
1050	28	3000K - 2183lm - CRI>80 - 50°					

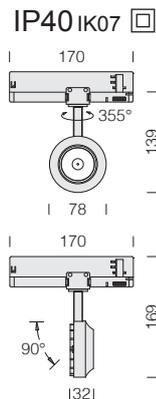
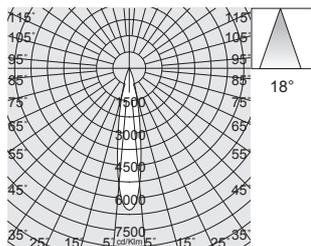
		CLD				LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees					
900	25	4000K - 2054lm - CRI>80 - 50°					
950	26	4000K - 2140lm - CRI>80 - 50°					
1000	27	4000K - 2226lm - CRI>80 - 50°					
1050	28	4000K - 2298lm - CRI>80 - 50°					

## ADAPT THE CURRENT TO ACHIEVE OPTIMAL LUMINOUS FLUX



**DIP SWITCH SETTING:** the fixture comes with a *DIP SWITCH* driver for **THE SETTING OF THE OUTPUT CURRENT**. In this way you, can **ENSURE THE BEST LUMINOUS FLUX** for any lighting design.

The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.



Focus SLIM "T" 5.0 - universal adapter - CRI 92

LED	colour	weight	CLD		LUMEN OUTPUT (tq= 25 °C)	
			code	I out	W tot	K - ølm - CRI - degrees
COB	white	0,30	22106510-00	350	14	3000K - 1332lm - CRI 92 - 18°
	black		22106530-00			
COB	white	0,30	22106510-68	350	14	4000K - 1403lm - CRI 92 - 18°
	black		22106530-68			

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	3000K - 1001lm	CRI 92 - 18°
300	12	3000K - 1170lm	CRI 92 - 18°
350	14	3000K - 1332lm	CRI 92 - 18°

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	4000K - 1054lm	CRI 92 - 18°
300	12	4000K - 1232lm	CRI 92 - 18°
350	14	4000K - 1403lm	CRI 92 - 18°

COB	white	0,30	22106511-00	350	14	3000K - 1297lm - CRI 92 - 34°
	black		22106531-00			
COB	white	0,30	22106511-68	350	14	4000K - 1365lm - CRI 92 - 34°
	black		22106531-68			

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	3000K - 974lm	CRI 92 - 34°
300	12	3000K - 1139lm	CRI 92 - 34°
350	14	3000K - 1297lm	CRI 92 - 34°

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	4000K - 1026lm	CRI 92 - 34°
300	12	4000K - 1199lm	CRI 92 - 34°
350	14	4000K - 1365lm	CRI 92 - 34°

COB	white	0,30	22106512-00	350	14	3000K - 1405m - CRI 92 - 58°
	black		22106532-00			
COB	white	0,30	22106512-68	350	14	4000K - 1479lm - CRI 92 - 58°
	black		22106532-68			

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	3000K - 1056lm	CRI 92 - 58°
300	12	3000K - 1234lm	CRI 92 - 58°
350	14	3000K - 1405lm	CRI 92 - 58°

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	4000K - 1111lm	CRI 92 - 58°
300	12	4000K - 1299lm	CRI 92 - 58°
350	14	4000K - 1479lm	CRI 92 - 58°

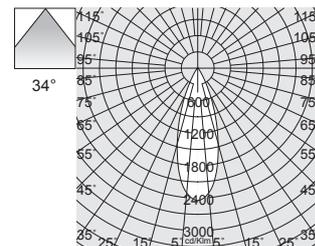
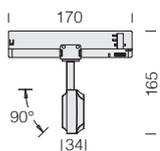
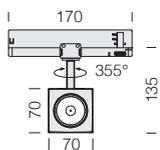
Version complete with concealed adapter to be used only with OMNITRACK PLUS track-mounted system

Upon request:

- DIMM-DALI version with sub-code -1241 (4000K) or -3941 (3000K) - max. 500mA



IP40 IK07



## Focus SLIM "Q" 5.0 - universal adapter - CRI 92

LED	colour	weight	CLD		LUMEN OUTPUT (tq= 25 °C)	
			code	I out	W tot	K - ølm - CRI - degrees
COB	white	0,30	22108710-00	350	14	3000K - 1332lm - CRI 92 - 18°
	black		22108730-00			
COB	white	0,30	22108710-68	350	14	4000K - 1403lm - CRI 92 - 18°
	black		22108730-68			

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	3000K - 1001lm	CRI 92 - 18°
300	12	3000K - 1170lm	CRI 92 - 18°
350	14	3000K - 1332lm	CRI 92 - 18°

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	4000K - 1054lm	CRI 92 - 18°
300	12	4000K - 1232lm	CRI 92 - 18°
350	14	4000K - 1403lm	CRI 92 - 18°

COB	white	0,30	22108711-00	350	14	3000K - 1297lm - CRI 92 - 34°
	black		22108731-00			
COB	white	0,30	22108711-68	350	14	4000K - 1365lm - CRI 92 - 34°
	black		22108731-68			

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	3000K - 974lm	CRI 92 - 34°
300	12	3000K - 1139lm	CRI 92 - 34°
350	14	3000K - 1297lm	CRI 92 - 34°

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	4000K - 1026lm	CRI 92 - 34°
300	12	4000K - 1199lm	CRI 92 - 34°
350	14	4000K - 1365lm	CRI 92 - 34°

COB	white	0,30	22108712-00	350	14	3000K - 1405lm - CRI 92 - 58°
	black		22108732-00			
COB	white	0,30	22108712-68	350	14	4000K - 1479lm - CRI 92 - 58°
	black		22108732-68			

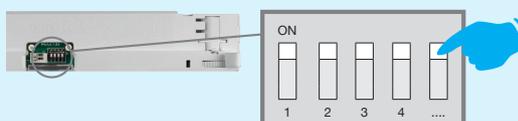
DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	3000K - 1056lm	CRI 92 - 58°
300	12	3000K - 1234lm	CRI 92 - 58°
350	14	3000K - 1405lm	CRI 92 - 58°

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	10	4000K - 1111lm	CRI 92 - 58°
300	12	4000K - 1299lm	CRI 92 - 58°
350	14	4000K - 1479lm	CRI 92 - 58°

### Upon request:

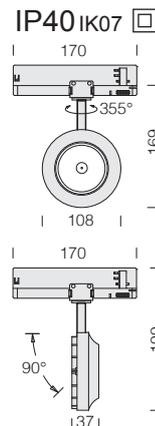
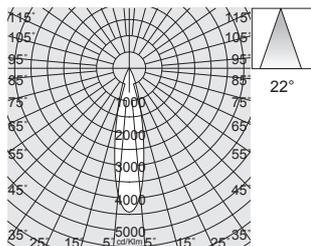
- DIMM-DALI version with sub-code -1241 (4000K) or -3941 (3000K) to be used only with OMNITRACK PLUS track-mounted system

## ADAPT THE CURRENT TO ACHIEVE OPTIMAL LUMINOUS FLUX



**DIP SWITCH SETTING:** the fixture comes with a *DIP SWITCH* driver for **THE SETTING OF THE OUTPUT CURRENT**. In this way you, can **ENSURE THE BEST LUMINOUS FLUX** for any lighting design.

The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.



**Focus SLIM "T" 7.0 - universal adapter - CRI 92**

LED	colour	weight	CLD		LUMEN OUTPUT (tq= 25 °C)	
			code	I out	W tot	K - ølm - CRI - degrees
COB	white	0,40	22106710-00	600	23	3000K - 2332lm - CRI 92 - 22°
	black		22106730-00			
COB	white	0,40	22106710-68	600	23	4000K - 2455lm - CRI 92 - 22°
	black		22106730-68			

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
500	19	3000K - 1988lm - CRI 92 - 22°
550	21	3000K - 2166lm - CRI 92 - 22°
600	23	3000K - 2332lm - CRI 92 - 22°

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
500	19	4000K - 2092lm - CRI 92 - 22°
550	21	4000K - 2280lm - CRI 92 - 22°
600	23	4000K - 2455lm - CRI 92 - 22°

COB	white	0,40	22106711-00	600	23	3000K - 2277lm - CRI 92 - 37°
	black		22106731-00			
COB	white	0,40	22106711-68	600	23	4000K - 2397lm - CRI 92 - 37°
	black		22106731-68			

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
500	19	3000K - 1941lm - CRI 92 - 37°
550	21	3000K - 2115lm - CRI 92 - 37°
600	23	3000K - 2277lm - CRI 92 - 37°

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
500	19	4000K - 2043lm - CRI 92 - 37°
550	21	4000K - 2226lm - CRI 92 - 37°
600	23	4000K - 2397lm - CRI 92 - 37°

COB	white	0,40	22106712-00	600	23	3000K - 2267lm - CRI 92 - 55°
	black		22106732-00			
COB	white	0,40	22106712-68	600	23	4000K - 2386lm - CRI 92 - 55°
	black		22106732-68			

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
500	19	3000K - 1932lm - CRI 92 - 55°
550	21	3000K - 2105lm - CRI 92 - 55°
600	23	3000K - 2267lm - CRI 92 - 55°

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees
500	19	4000K - 2034lm - CRI 92 - 55°
550	21	4000K - 2216lm - CRI 92 - 55°
600	23	4000K - 2386lm - CRI 92 - 55°

Version complete with concealed adapter to be used only with OMNITRACK PLUS track-mounted system

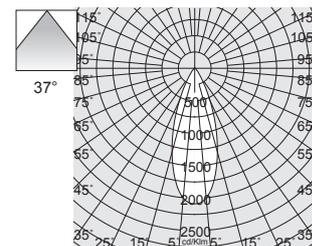
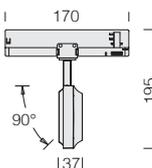
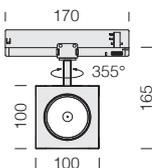
**Upon request:**

- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K) - max. 500mA





IP40 IK07



## Focus SLIM "Q" 7.0 - universal adapter - CRI 92

LED	couleur	weight	CLD		LUMEN OUTPUT (tq= 25 °C)	
			code	I out	W tot	K - ølm - CRI - degrees
COB	white	0,40	22108810-00	600	23	3000K - 2332lm - CRI 92 - 22°
	black		22108830-00			
COB	white	0,40	22108810-68	600	23	4000K - 2455lm - CRI 92 - 22°
	black		22108830-68			

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees		
500	19	3000K - 1988lm - CRI 92 - 22°		
550	21	3000K - 2166lm - CRI 92 - 22°		
600	23	3000K - 2332lm - CRI 92 - 22°		

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees		
500	19	4000K - 2092lm - CRI 92 - 22°		
550	21	4000K - 2280lm - CRI 92 - 22°		
600	23	4000K - 2455lm - CRI 92 - 22°		

COB	white	0,40	22108811-00	600	23	3000K - 2277lm - CRI 92 - 37°
	black		22108831-00			
COB	white	0,40	22108811-68	600	23	4000K - 2397lm - CRI 92 - 37°
	black		22108831-68			

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees		
500	19	3000K - 1941lm - CRI 92 - 37°		
550	21	3000K - 2115lm - CRI 92 - 37°		
600	23	3000K - 2277lm - CRI 92 - 37°		

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees		
500	19	4000K - 2043lm - CRI 92 - 37°		
550	21	4000K - 2226lm - CRI 92 - 37°		
600	23	4000K - 2397lm - CRI 92 - 37°		

COB	white	0,40	22108812-00	600	23	3000K - 2267lm - CRI 92 - 55°
	black		22108832-00			
COB	white	0,40	22108812-68	600	23	4000K - 2386lm - CRI 92 - 55°
	black		22108832-68			

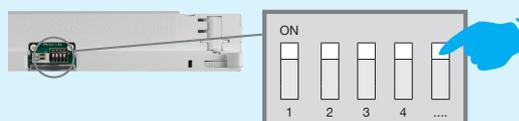
DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees		
500	19	3000K - 1932lm - CRI 92 - 55°		
550	21	3000K - 2105lm - CRI 92 - 55°		
600	23	3000K - 2267lm - CRI 92 - 55°		

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees		
500	19	4000K - 2034lm - CRI 92 - 55°		
550	21	4000K - 2216lm - CRI 92 - 55°		
600	23	4000K - 2386lm - CRI 92 - 55°		

**Upon request:**

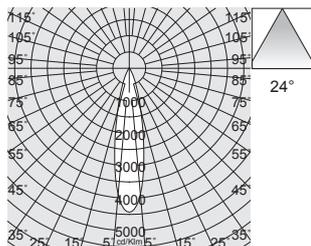
- DIMM-DALI version with sub-code -1241 (4000K) or -3941 (3000K) to be used only with OMNITRACK PLUS track-mounted system

## ADAPT THE CURRENT TO ACHIEVE OPTIMAL LUMINOUS FLUX

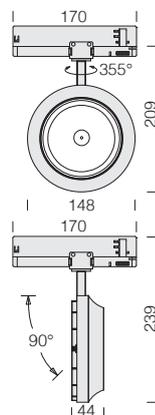


**DIP SWITCH SETTING:** the fixture comes with a *DIP SWITCH* driver for **THE SETTING OF THE OUTPUT CURRENT**. In this way you, can **ENSURE THE BEST LUMINOUS FLUX** for any lighting design.

The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.



IP40 IK07



**Focus SLIM "T" 111 - universal adapter - CRI 92**

LED	colour	weight	CLD		LUMEN OUTPUT (tq= 25 °C)	
			code	I out	W tot	K - ølm - CRI - degrees
COB	white	0,70	22106910-00	700	26	3000K - 3085lm - CRI 92 - 24°
	black		22106930-00			
COB	white	0,70	22106910-68	700	26	4000K - 3284lm - CRI 92 - 24°
	black		22106930-68			

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	3000K - 2272lm - CRI 92 - 24°	500	18	3000K - 2272lm - CRI 92 - 24°
600	22	3000K - 2696lm - CRI 92 - 24°	600	22	3000K - 2696lm - CRI 92 - 24°
700	26	3000K - 3085lm - CRI 92 - 24°	700	26	3000K - 3085lm - CRI 92 - 24°

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	4000K - 2391lm - CRI 92 - 24°	500	18	4000K - 2391lm - CRI 92 - 24°
600	22	4000K - 2838lm - CRI 92 - 24°	600	22	4000K - 2838lm - CRI 92 - 24°
700	26	4000K - 3284lm - CRI 92 - 24°	700	26	4000K - 3284lm - CRI 92 - 24°

COB	white	0,70	22106911-00	700	26	3000K - 2938lm - CRI 92 - 38°
	black		22106931-00			
COB	white	0,70	22106911-68	700	26	4000K - 3093lm - CRI 92 - 38°
	black		22106931-68			

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	3000K - 2164lm - CRI 92 - 38°	500	18	3000K - 2164lm - CRI 92 - 38°
600	22	3000K - 2568lm - CRI 92 - 38°	600	22	3000K - 2568lm - CRI 92 - 38°
700	26	3000K - 2938lm - CRI 92 - 38°	700	26	3000K - 2938lm - CRI 92 - 38°

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	4000K - 2277lm - CRI 92 - 38°	500	18	4000K - 2277lm - CRI 92 - 38°
600	22	4000K - 2703lm - CRI 92 - 38°	600	22	4000K - 2703lm - CRI 92 - 38°
700	26	4000K - 3093lm - CRI 92 - 38°	700	26	4000K - 3093lm - CRI 92 - 38°

COB	white	0,70	22106912-00	700	26	3000K - 2791lm - CRI 92 - 56°
	black		22106932-00			
COB	white	0,70	22106912-68	700	26	4000K - 2938lm - CRI 92 - 56°
	black		22106932-68			

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	3000K - 2056lm - CRI 92 - 56°	500	18	3000K - 2056lm - CRI 92 - 56°
600	22	3000K - 2440lm - CRI 92 - 56°	600	22	3000K - 2440lm - CRI 92 - 56°
700	26	3000K - 2791lm - CRI 92 - 56°	700	26	3000K - 2791lm - CRI 92 - 56°

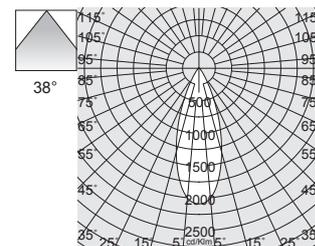
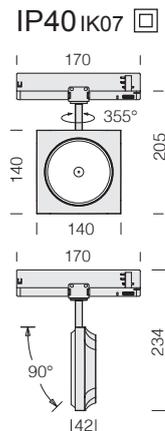
DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	4000K - 2163lm - CRI 92 - 56°	500	18	4000K - 2163lm - CRI 92 - 56°
600	22	4000K - 2568lm - CRI 92 - 56°	600	22	4000K - 2568lm - CRI 92 - 56°
700	26	4000K - 2938lm - CRI 92 - 56°	700	26	4000K - 2938lm - CRI 92 - 56°

Version complete with concealed adapter to be used only with OMNITRACK PLUS track-mounted system

**Upon request:**

- DIMM-DALI version with sub-code **-1241** (4000K) or **-3941** (3000K) - max. 500mA





## Focus SLIM "Q" 111 - universal adapter - CRI 92

LED	colour	weight	CLD		I out	W tot	LUMEN OUTPUT (tq= 25 °C)
			code				K - ølm - CRI - degrees
COB	white	0,70	22109310-00		700	26	3000K - 3085lm - CRI 92 - 24°
	black		22109330-00				4000K - 3284lm - CRI 92 - 24°
COB	white	0,70	22109310-68		700	26	3000K - 3085lm - CRI 92 - 24°
	black		22109330-68				4000K - 3284lm - CRI 92 - 24°

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	3000K - 2272lm - CRI 92 - 24°	500	18	3000K - 2272lm - CRI 92 - 24°
600	22	3000K - 2696lm - CRI 92 - 24°	600	22	3000K - 2696lm - CRI 92 - 24°
700	26	3000K - 3085lm - CRI 92 - 24°	700	26	3000K - 3085lm - CRI 92 - 24°

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	4000K - 2391lm - CRI 92 - 24°	500	18	4000K - 2391lm - CRI 92 - 24°
600	22	4000K - 2838lm - CRI 92 - 24°	600	22	4000K - 2838lm - CRI 92 - 24°
700	26	4000K - 3284lm - CRI 92 - 24°	700	26	4000K - 3284lm - CRI 92 - 24°

COB	white	0,70	22109311-00		700	26	3000K - 2938lm - CRI 92 - 38°
	black		22109331-00				4000K - 3093lm - CRI 92 - 38°
COB	white	0,70	22109311-68		700	26	3000K - 2938lm - CRI 92 - 38°
	black		22109331-68				4000K - 3093lm - CRI 92 - 38°

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	3000K - 2164lm - CRI 92 - 38°	500	18	3000K - 2164lm - CRI 92 - 38°
600	22	3000K - 2568lm - CRI 92 - 38°	600	22	3000K - 2568lm - CRI 92 - 38°
700	26	3000K - 2938lm - CRI 92 - 38°	700	26	3000K - 2938lm - CRI 92 - 38°

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	4000K - 2277lm - CRI 92 - 38°	500	18	4000K - 2277lm - CRI 92 - 38°
600	22	4000K - 2703lm - CRI 92 - 38°	600	22	4000K - 2703lm - CRI 92 - 38°
700	26	4000K - 3093lm - CRI 92 - 38°	700	26	4000K - 3093lm - CRI 92 - 38°

COB	white	0,70	22109312-00		700	26	3000K - 2791lm - CRI 92 - 56°
	black		22109332-00				4000K - 2938lm - CRI 92 - 56°
COB	white	0,70	22109312-68		700	26	3000K - 2791lm - CRI 92 - 56°
	black		22109332-68				4000K - 2938lm - CRI 92 - 56°

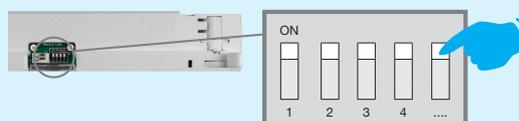
DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	3000K - 2056lm - CRI 92 - 56°	500	18	3000K - 2056lm - CRI 92 - 56°
600	22	3000K - 2440lm - CRI 92 - 56°	600	22	3000K - 2440lm - CRI 92 - 56°
700	26	3000K - 2791lm - CRI 92 - 56°	700	26	3000K - 2791lm - CRI 92 - 56°

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI - degrees	I out	W tot	K - ølm - CRI - degrees
500	18	4000K - 2163lm - CRI 92 - 56°	500	18	4000K - 2163lm - CRI 92 - 56°
600	22	4000K - 2568lm - CRI 92 - 56°	600	22	4000K - 2568lm - CRI 92 - 56°
700	26	4000K - 2938lm - CRI 92 - 56°	700	26	4000K - 2938lm - CRI 92 - 56°

**Upon request:**

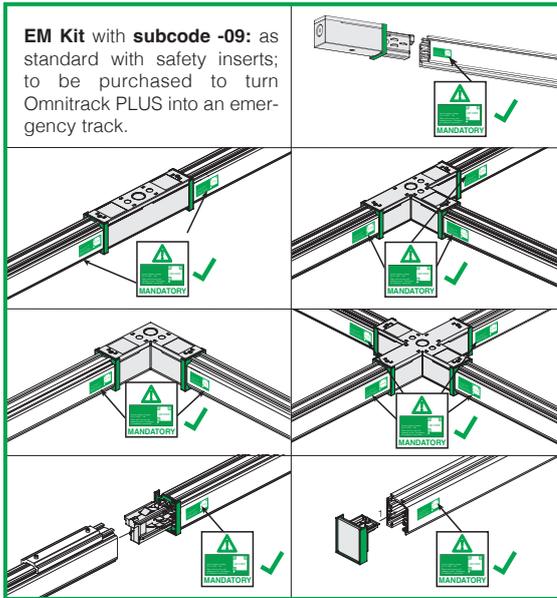
- DIMM-DALI version with sub-code -1241 (4000K) or -3941 (3000K) to be used only with OMNITRACK PLUS track-mounted system

## ADAPT THE CURRENT TO ACHIEVE OPTIMAL LUMINOUS FLUX

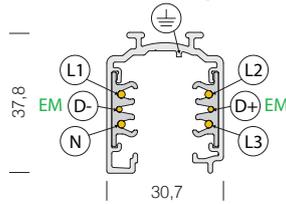


**DIP SWITCH SETTING:** the fixture comes with a *DIP SWITCH* driver for **THE SETTING OF THE OUTPUT CURRENT**. In this way you, can **ENSURE THE BEST LUMINOUS FLUX** for any lighting design.

The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.

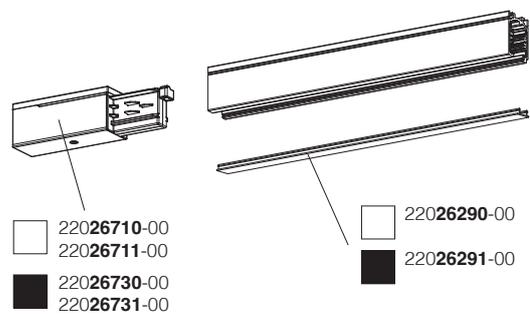


**EM Kit with subcode -09:** as standard with safety inserts; to be purchased to turn Omnitrack PLUS into an emergency track.



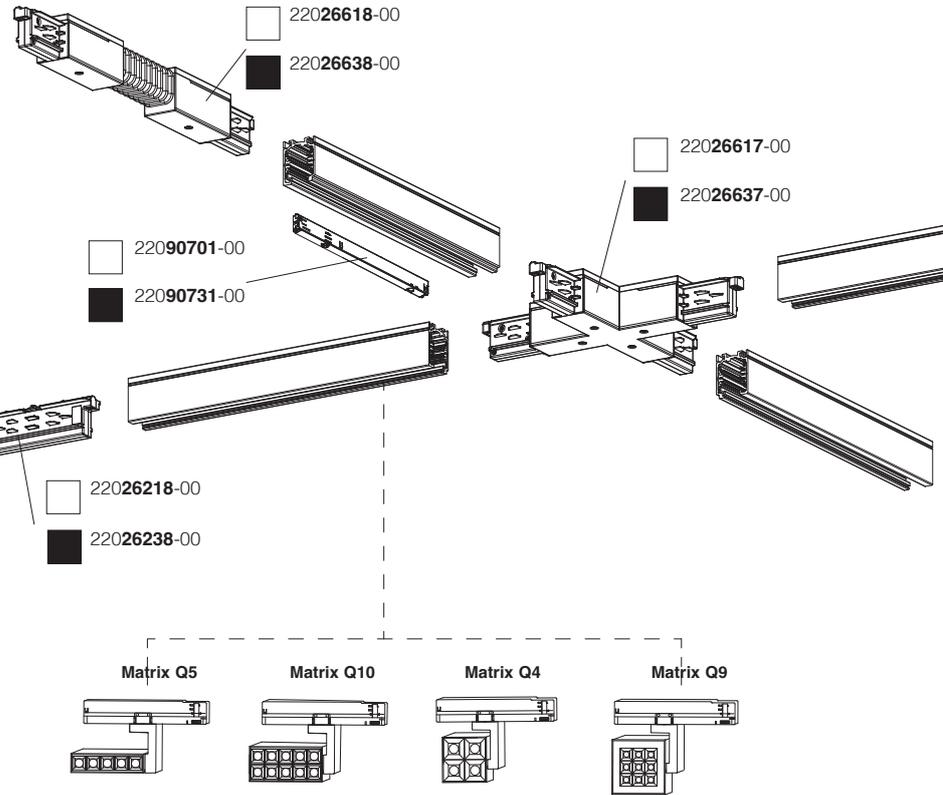
### Omnitrack PLUS - DIMM - 6 conductors

colour	L	S	
		code	
white	1500	22013310-00	
	3000	22013313-00	
black	1500	22013330-00	
	3000	22013333-00	



22026710-00  
22026711-00  
22026730-00  
22026731-00

22026290-00  
22026291-00



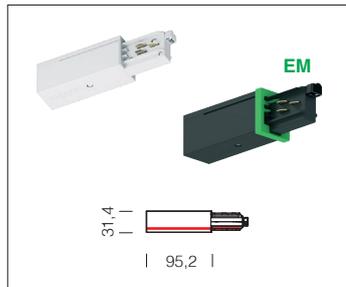
22026618-00  
22026638-00

22090701-00  
22090731-00

22026617-00  
22026637-00

22026218-00  
22026238-00

Red line: polarity ridge – top-down view



#### Power supply - sx

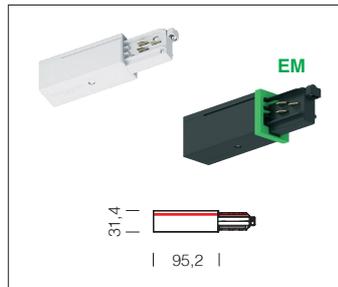
white	22026710-00
black	22026730-00

For track power supply.

#### EM Power supply - sx

white	22026710-09
black	22026730-09

For track power supply.



#### Power supply - dx

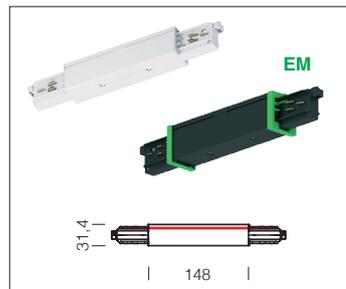
white	22026711-00
black	22026731-00

For track power supply.

#### EM Power supply - dx

white	22026711-09
black	22026731-09

For track power supply.



#### Linear joint

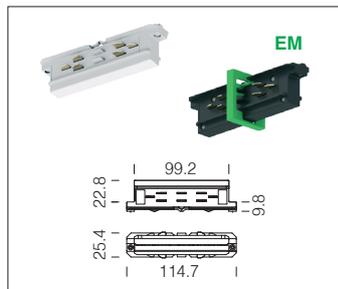
white	22026612-00
black	22026632-00

It permits electric and mechanical connection.

#### EM Linear joint

white	22026612-09
black	22026632-09

It permits electric and mechanical connection.



#### Linear joint

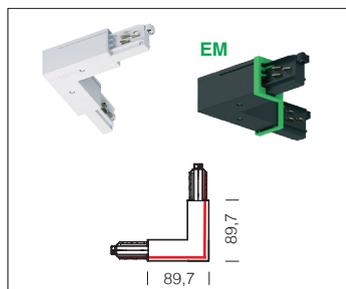
white	22026218-00
black	22026238-00

For perfect alignment of powered tracks and power connection. Use with acc. 22026619-00.

#### EM Linear joint

white	22026218-09
black	22026238-09

For perfect alignment of powered tracks and power connection. Use with acc. 22026619-00.



#### External L-shaped Joint

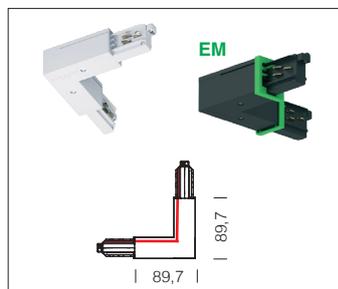
white	22026610-00
black	22026630-00

It provides "external" electric connection and mechanical connection.

#### EM External L-shaped Joint

white	22026610-09
black	22026630-09

It provides "external" electric connection and mechanical connection.



#### Internal L-shaped joint

white	22026611-00
black	22026631-00

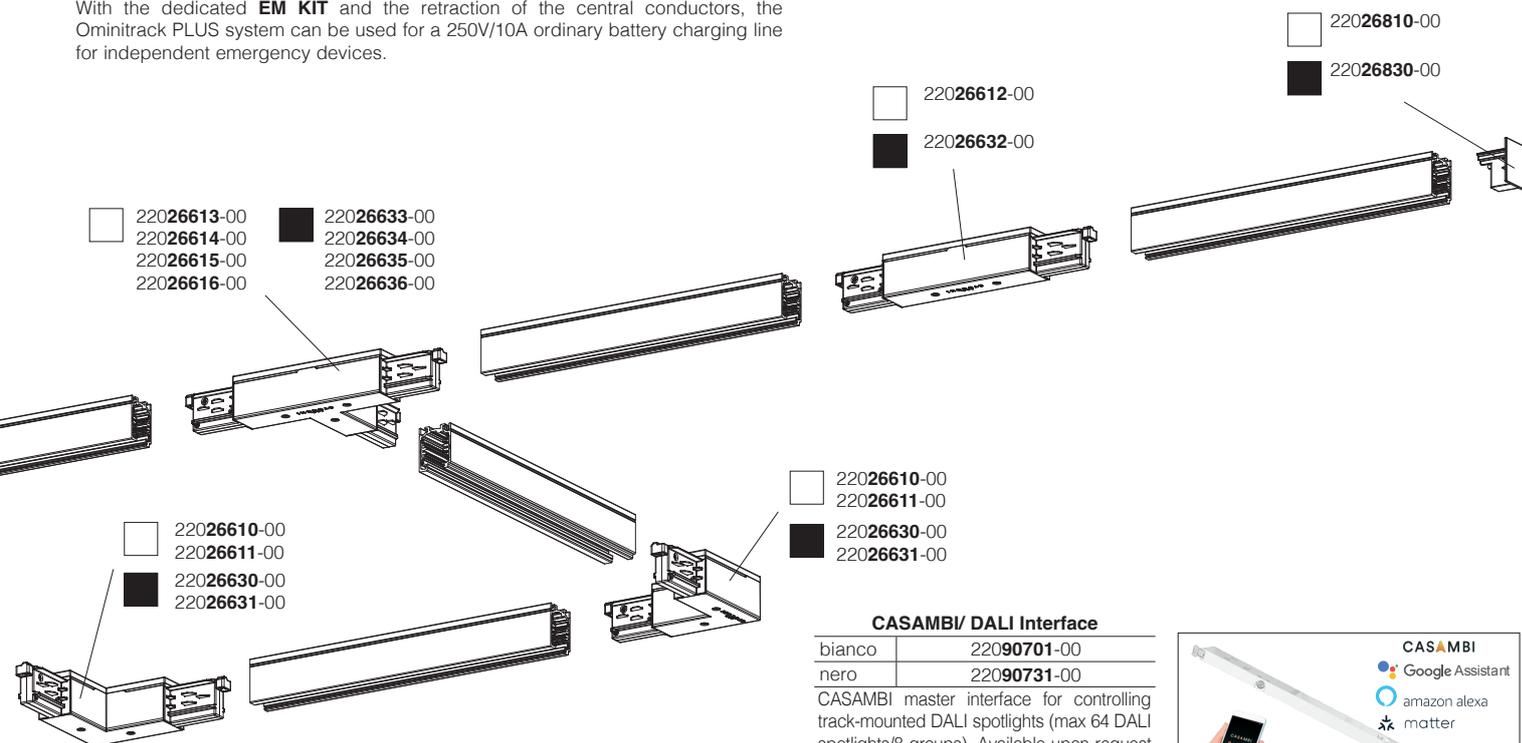
It provides "internal" electric connection and mechanical connection.

#### EM Internal L-shaped joint

white	22026611-09
black	22026631-09

It provides "internal" electric connection and mechanical connection.

With the dedicated **EM KIT** and the retraction of the central conductors, the Omnitrack PLUS system can be used for a 250V/10A ordinary battery charging line for independent emergency devices.



- 22026613-00
- 22026614-00
- 22026615-00
- 22026616-00
- 22026633-00
- 22026634-00
- 22026635-00
- 22026636-00

- 22026612-00
- 22026632-00

- 22026810-00
- 22026830-00

- 22026610-00
- 22026611-00
- 22026630-00
- 22026631-00

- 22026610-00
- 22026611-00
- 22026630-00
- 22026631-00

### End cap

white	22026810-00
black	22026830-00

End cap for track with locking screw.

### EM End cap

white	22026810-09
black	22026830-09

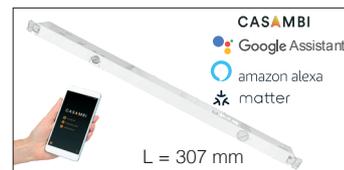
End cap for track with locking screw.



### CASAMBI/ DALI Interface

bianco	22090701-00
nero	22090731-00

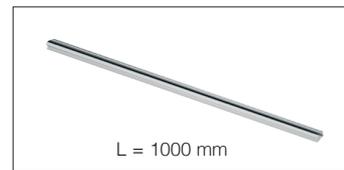
CASAMBI master interface for controlling track-mounted DALI spotlights (max 64 DALI spotlights/8 groups). Available upon request with built-in VOICE activation for Alexa, Google Home (Wi-Fi) and Matter devices.



### Additional cover strip

bianco	22026290-00
black	22026291-00

To be applied to track as additional cover.



### T-shaped, right sided joint

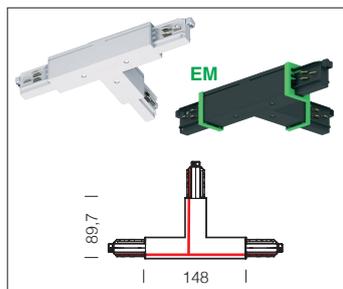
white	22026613-00
black	22026633-00

It provides "right-sided" electric connection and mechanical connection.

### EM T-shaped, right sided joint

white	22026613-09
black	22026633-09

It provides "right-sided" electric connection and mechanical connection.



### T-shaped, right sided joint

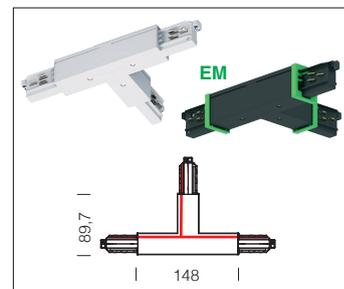
white	22026614-00
black	22026634-00

It provides "right-sided" electric connection and mechanical connection.

### EM T-shaped, right sided joint

white	22026614-09
black	22026634-09

It provides "right-sided" electric connection and mechanical connection.



### T-shaped, left sided joint

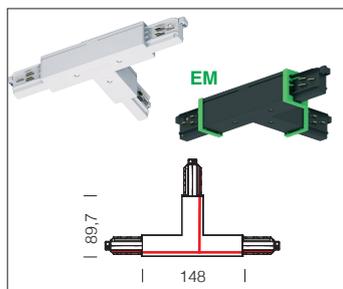
white	22026616-00
black	22026636-00

It provides "left-sided" electric connection and mechanical connection.

### EM T-shaped, left sided joint

white	22026616-09
black	22026636-09

It provides "left-sided" electric connection and mechanical connection.



### T-shaped, left sided joint

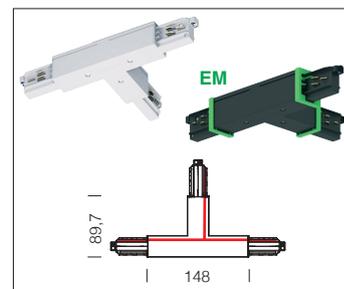
white	22026615-00
black	22026635-00

It provides "left-sided" electric connection and mechanical connection.

### EM T-shaped, left sided joint

white	22026615-09
black	22026635-09

It provides "left-sided" electric connection and mechanical connection.



### Cross joint

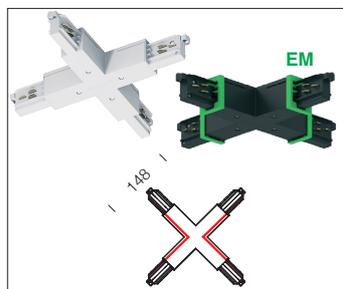
white	22026617-00
black	22026637-00

It provides "cross-shaped" electric connection and mechanical connection.

### EM Cross joint

white	22026617-09
black	22026637-09

It provides "cross-shaped" electric connection and mechanical connection.



### Flexible joint

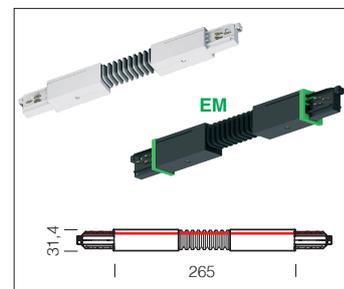
white	22026618-00
black	22026638-00

It provides electric connection and mechanical connection.

### EM Flexible joint

white	22026618-09
black	22026638-09

It provides electric connection and mechanical connection.







**A**nanything is possible!

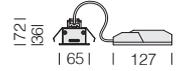
Creating lighting scenarios with Liset 2.0 has never been so exciting!

Thanks to the seamless material manufacturing, you can design ALL LIGHT linear patterns, with hidden 45° intersections for maximum freedom and creativity.

Upon request: version with black housing



v.a. IP20 IK07  
v.l. IP40 IK07

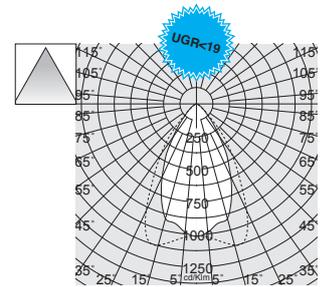


**Liset 2.0 HE - recessed - UGR<19**

LED	housing	CLD			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
LED 2 modules	white	1150	1,80	22303401-00	26	4000K - 3673lm - CRI 80
				22303401-39		3000K - 3416lm - CRI 80
LED 4 modules	white	2280	3,80	22303402-00	52	4000K - 7346lm - CRI 80
				22303402-39		3000K - 6832lm - CRI 80
<b>CLD D-DIG (DALI)</b>						
LED 2 modules	white	1150	1,80	22303401-1241	26	4000K - 3673lm - CRI 80
				22303401-3941		3000K - 3416lm - CRI 80
LED 4 modules	white	2280	3,80	22303402-1241	52	4000K - 7346lm - CRI 80
				22303402-3941		3000K - 6832lm - CRI 80

Upon request:

- **CRI 90:** 3000K - 4000K
- version with black housing
- version with pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)

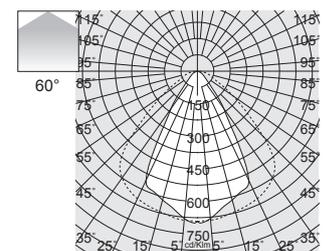
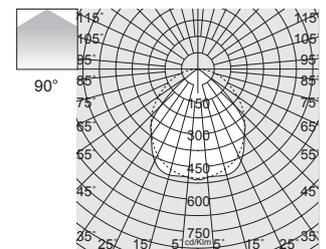


**Liset 2.0 HE - recessed - 90°**

LED	housing	CLD			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
LED 4 modules	white	1150	1,80	22303001-00	29	4000K - 3336lm - CRI 80
				22303001-39		3000K - 3103lm - CRI 80
LED 8 modules	white	2280	3,80	22303002-00	56	4000K - 6673lm - CRI 80
				22303002-39		3000K - 6206lm - CRI 80
<b>CLD D-DIG (DALI)</b>						
LED 4 modules	white	1150	1,80	22303001-1241	29	4000K - 3336lm - CRI 80
				22303001-3941		3000K - 3103lm - CRI 80
LED 8 modules	white	2280	3,80	22303002-1241	56	4000K - 6673lm - CRI 80
				22303002-3941		3000K - 6206lm - CRI 80

Upon request:

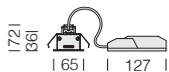
- **CRI 90:** 3000K - 4000K
- version with black housing
- version with pass-through wiring for continuous line mounting with subcode **-0072**
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)



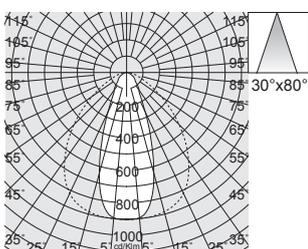
Upon request:  
60° beam angle

v.a. IP20 IK07  
v.l. IP40 IK07

55 x 1140  
55 x 2270



Upon request: version with black housing

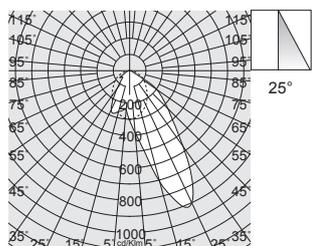


## Liset 2.0 HE - recessed - 30° x 80°

LED	housing	L (mm)	weight	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)	
				code			K - ølm - CRI	
LED 4 modules	white	1150	1,80	22303101-00	29	4000K - 3319lm - CRI 80	3000K - 3087lm - CRI 80	
				22303101-39				
LED 8 modules	white	2280	3,80	22303102-00	56	4000K - 6638lm - CRI 80	3000K - 6174lm - CRI 80	
				22303102-39				
CLD D-DIG (DALI)								
LED 4 modules	white	1150	1,80	22303101-1241	29	4000K - 3319lm - CRI 80	3000K - 3087lm - CRI 80	
				22303101-3941				
LED 8 modules	white	2280	3,80	22303102-1241	56	4000K - 6638lm - CRI 80	3000K - 6174lm - CRI 80	
				22303102-3941				

Upon request:

- version with black housing
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)



## Liset 2.0 HE - recessed - 25° asymmetric optics

LED	housing	L (mm)	weight	CLD		W tot	LUMEN OUTPUT (tq= 25 °C)	
				code			K - ølm - CRI	
LED 4 modules	white	1150	1,80	22303201-00	29	4000K - 3091lm - CRI 80	3000K - 2875lm - CRI 80	
				22303201-39				
LED 8 modules	white	2280	3,80	22303202-00	56	4000K - 6182lm - CRI 80	3000K - 5794lm - CRI 80	
				22303202-39				
CLD D-DIG (DALI)								
LED 4 modules	white	1150	1,80	22303201-1241	29	4000K - 3091lm - CRI 80	3000K - 2875lm - CRI 80	
				22303201-3941				
LED 8 modules	white	2280	3,80	22303202-1241	56	4000K - 6182lm - CRI 80	3000K - 5794lm - CRI 80	
				22303202-3941				

Upon request:

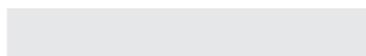
- version with black housing
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)

Recessed module for angular mounting S  
158x158 mm



black 22302632-03  
white 22302612-03

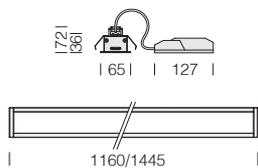
Linear module for recessed mounting S  
560 mm



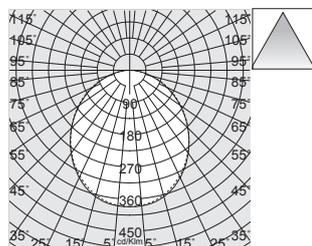
black 22385632-03  
white 22385612-03



v.a. IP20 IK07   
 v.l. IP40 IK07   
 55 x 1150  
 55 x 1435



Upon request: version with black housing



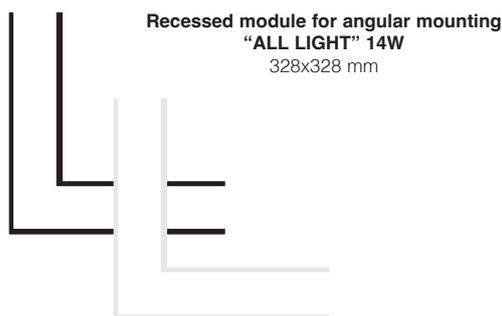
### Liset 2.0 - recessed

LED		CLD		LUMEN OUTPUT (tq= 25 °C)		
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED 4 modules	white	1160	1,60	22302201-00	28	4000K - 2783lm - CRI 80
				22302201-39		3000K - 2588lm - CRI 80
LED 5 modules	white	1445	2,00	22302202-00	35	4000K - 3479lm - CRI 80
				22302202-39		3000K - 3236lm - CRI 80
CLD D-DIG (DALI)						
LED 4 modules	white	1160	1,60	22302201-1241	28	4000K - 2783lm - CRI 80
				22302201-3941		3000K - 2588lm - CRI 80
LED 5 modules	white	1445	2,00	22302202-1241	35	4000K - 3479lm - CRI 80
				22302202-3941		3000K - 3236lm - CRI 80

**Upon request:**

- **CRI 90:** 3000K - 4000K
- version with black housing
- PUSH-DIMM version with sub-code **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)

## “ALL LIGHT” accessories that make the difference!

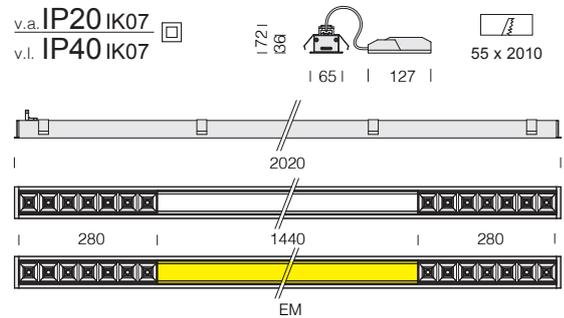


black 22302632-00  
 white 22302612-00

Upon request: DIMM DALI version with sub-code **-1241**.  
 3000K version with sub-code **-39**.



black 22302633-00  
 white 22302613-00



**Liset 2.0 - A+2M - recessed**

		CLD		LUMEN OUTPUT (tq= 25 °C)		
LED	housing	L (mm)	peso	code	W tot	K - ølm - CRI - degrees
LED	white	2020	3,00	22302301-00	53	4000K - 3479lm - CRI 80 4000K - 2x1295lm - CRI 80 - 65°
		CLD D-DIG (DALI)				
LED	white	2020	3,00	22302301-1241	53	4000K - 3479lm - CRI 80 4000K - 2x1295lm - CRI 80 - 65°

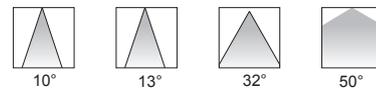
**Standard composition:** Liset 2.0 with diffuser + 2 modules with 65° white comfort optics (upon request with 76° beam angle). Standard version includes double switching.

**Upon request:**

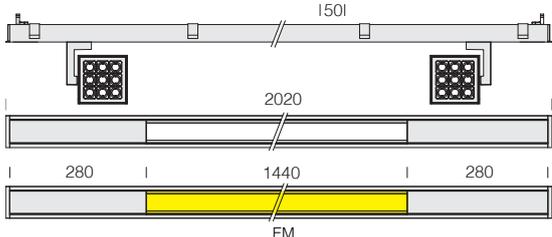
- **CRI 90 - 4000K**
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**

Upon request: special versions with other spotlights of the Matrix Q series are available

**CRI 90** - 3000K or 4000K with different beam openings



v.a. IP20 IK07  
v.l. IP40 IK07



**Standard composition:** Liset 2.0 with diffuser + 2 modules with 32° spotlight (upon request with 50° beam angles). Standard version includes double switching.

Upon request:

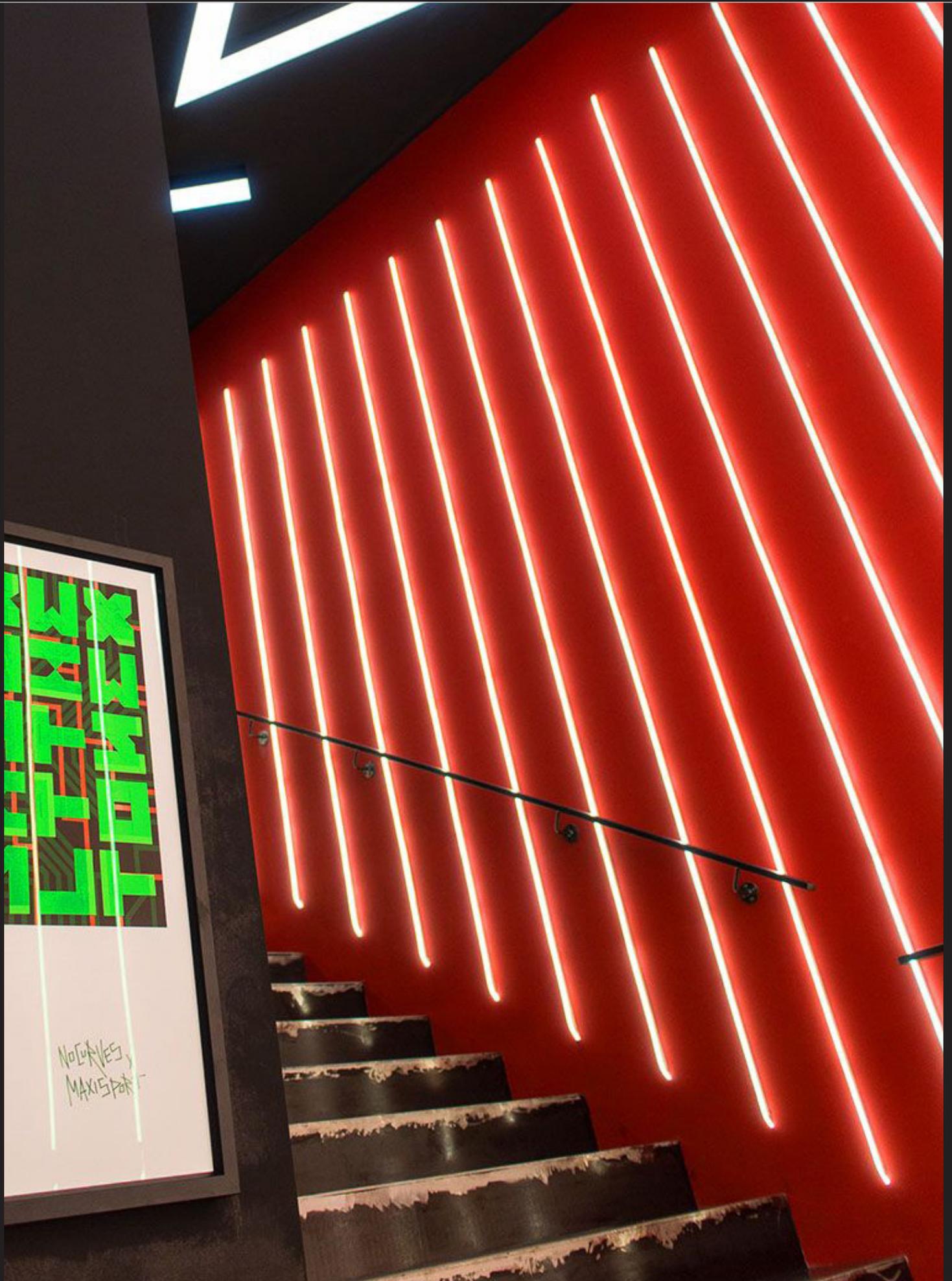
- **CRI 90** - 3000K - 4000K
- 3000K version with sub-code **-39**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**

### Liset 2.0 - A+2S - recessed

		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI - degrees
LED	white	2020	3,90	22302302-00	91	4000K - 3479lm - CRI>80
						4000K - 2x2220lm - CRI>80 - 32°
		CLD D-DIG (DALI)				
LED	white	2020	3,90	22302302-1241	91	4000K - 3479lm - CRI>80
						4000K - 2x2220lm - CRI>80 - 32°

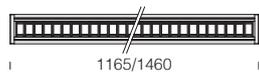
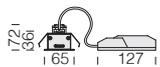
Upon request: special versions with other spotlights of the Matrix Q series are available **CRI 90** - 3000K or 4000K



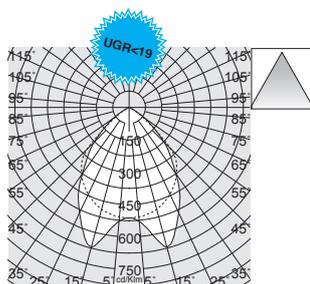
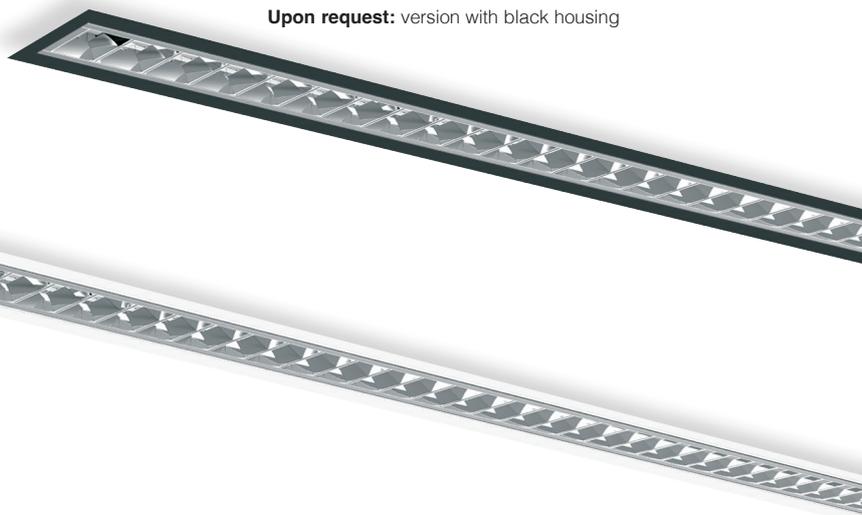


v.a. IP20 IK07  
v.l. IP40 IK07

55 x 1155  
55 x 1450



Upon request: version with black housing



**Liset 2.0 - recessed Dark Dark - UGR<19**

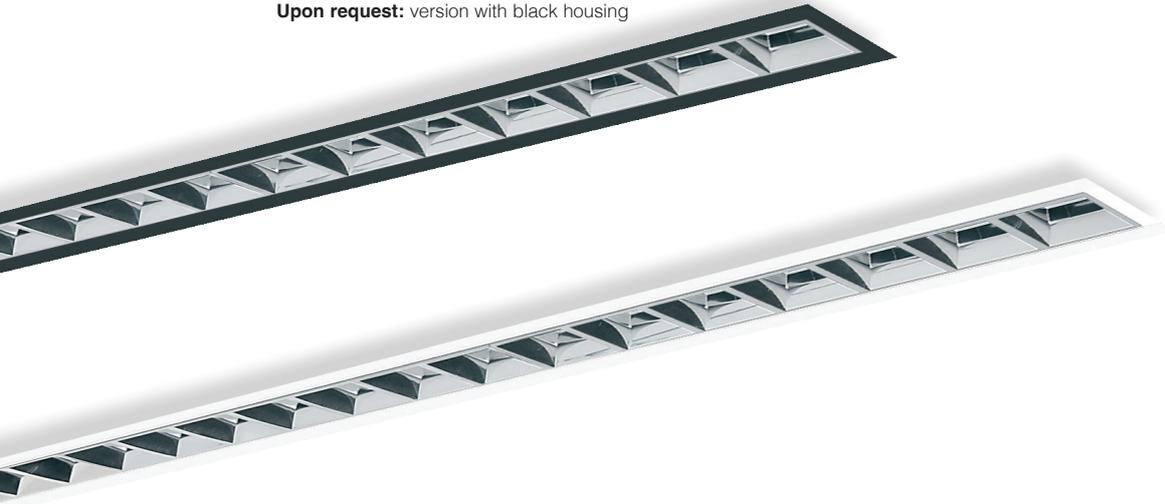
LED		CLD				LUMEN OUTPUT (tq= 25 °C)	
		housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED 4 modules	white	1165	1,60	22302001-00	25	4000K - 2700lm - CRI 80	
	white	1460	2,00	22302002-00	30	4000K - 3240lm - CRI 80	
<b>CLD D-DIG (DALI)</b>							
LED 4 modules	white	1165	1,60	22302001-1241	25	4000K - 2700lm - CRI 80	
	white	1460	2,00	22302002-1241	30	4000K - 3240lm - CRI 80	

Upon request:

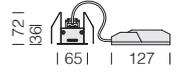
- **CRI 90** - 4000K
- version with black housing
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**



Upon request: version with black housing



v.a. **IP20 IK07**   
 v.l. **IP40 IK07**  55 x 570  
 55 x 1130  
 55 x 1410

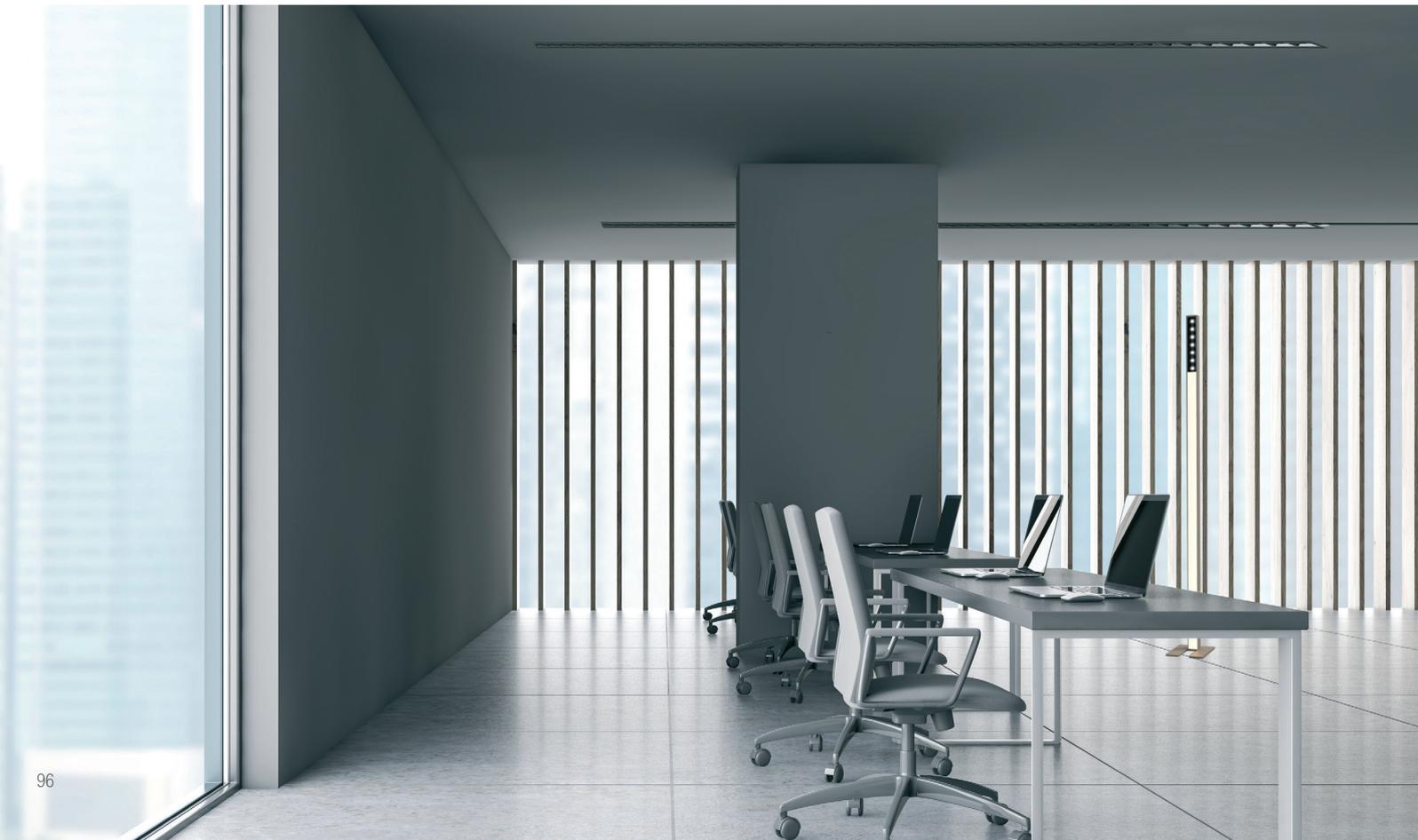
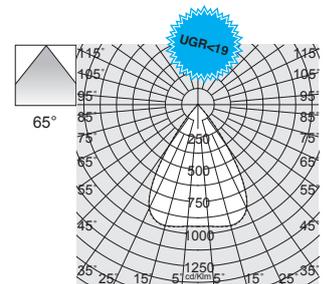


**Liset 2.0 - recessed - DARK comfort optics - UGR<19**

LED	housing	CLD				W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code	K - ølm - CRI - degrees		
<b>LED 14 lenses</b>	white	580	1,10	22303901-00	<b>18</b>	4000K - 2578lm - CRI>80 - 65°	
<b>LED 28 lenses</b>		1140	2,30	22303902-00	<b>22</b>	4000K - 3446lm - CRI>80 - 65°	
<b>LED 35 lenses</b>		1420	2,60	22303903-00	<b>30</b>	4000K - 4804lm - CRI>80 - 65°	
<b>CLD D-DIG (DALI)</b>							
<b>LED 14 lenses</b>	white	580	1,10	22303901-1241	<b>18</b>	4000K - 2578lm - CRI>80 - 65°	
<b>LED 28 lenses</b>		1140	2,30	22303902-1241	<b>22</b>	4000K - 3446lm - CRI>80 - 65°	
<b>LED 35 lenses</b>		1420	2,60	22303903-1241	<b>30</b>	4000K - 4804lm - CRI>80 - 65°	

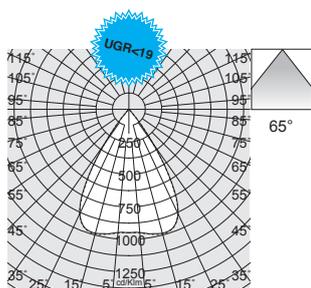
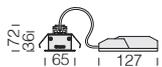
Upon request:

- **CRI 90** - 4000K
- black colour housing version
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)
- 76° beam version



v.a. IP20 IK07  
 v.l. IP40 IK07

55 x 570  
 55 x 1130  
 55 x 1410



Upon request: version with black housing

**Liset 2.0 - recessed - comfort optics - UGR<19**

		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI - degrees
<b>LED 14 lenses</b>	white	580	1,10	22302101-00	<b>18</b>	4000K - 2591lm - CRI 80 - 65°
<b>LED 28 lenses</b>		1140	2,30	22302102-00	<b>22</b>	4000K - 3463lm - CRI 80 - 65°
<b>LED 35 lenses</b>		1420	2,60	22302103-00	<b>30</b>	4000K - 4828lm - CRI 80 - 65°
		CLD D-DIG (DALI)				
<b>LED 14 lenses</b>	white	580	1,10	22302101-1241	<b>18</b>	4000K - 2591lm - CRI 80 - 65°
<b>LED 28 lenses</b>		1140	2,30	22302102-1241	<b>22</b>	4000K - 3463lm - CRI 80 - 65°
<b>LED 35 lenses</b>		1420	2,60	22302103-1241	<b>30</b>	4000K - 4828lm - CRI 80 - 65°

**Upon request:**

- **CRI 90** - 4000K
- black colour housing version
- version with black comfort optics
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09** (4000K)
- 3h EM version with subcode **-31** (4000K)
- 76° beam version

**Recessed module for angular mounting  
 "ALL LIGHT" 14W  
 328x328 mm**

black 22302632-00  
 white 22302612-00

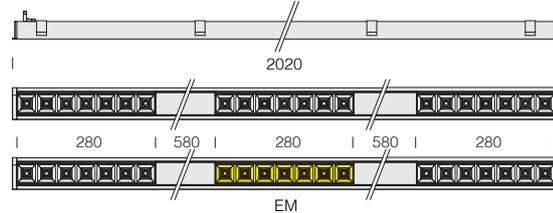
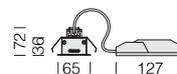
**Upon request: DIMM DALI** version with sub-code **-1241**.  
 3000K version with sub-code **-39**.

**"WALL-TO-CEILING" recessed module  
 for angular mounting  
 "ALL LIGHT" 14W  
 320x320 mm**

black 22302633-00  
 white 22302613-00



v.a. IP20 IK07  
v.l. IP40 IK07



## Liset 2.0 - A+H+3M - recessed - UGR<19

		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI - degrees
LED	white	2020	3,00	22302303-00	27	4000K - 3x1295lm - CRI 80 - 65°
		CLD D-DIG (DALI)				
LED	white	2020	3,00	22302303-1241	27	4000K - 3x1295lm - CRI 80 - 65°

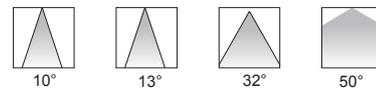
**Standard composition:** 3 modules with 65° white comfort optics (upon request with 76° beam angle).

### Upon request:

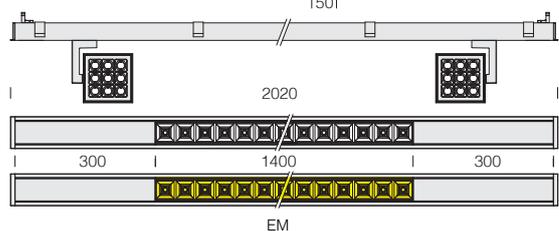
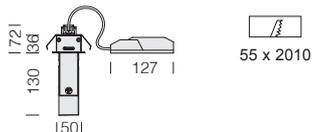
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**
- With RADAR SENSOR: sub-code **-19**

Upon request: special versions with other spotlights of the Matrix Q series are available

**CRI 90** - 3000K or 4000K with different beam openings



v.a. IP20 IK07  
v.l. IP40 IK07



**Standard composition:** Liset 2.0 with 65° white comfort optics + 2 modules with 32° spotlight (upon request with 76° comfort optics + 50° spotlights).  
Standard version includes double switching.

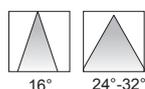
Upon request:

- **CRI 90** - 3000K and 4000K
- 3000K version with sub-code **-39**
- PUSH-DIMM version with sub-code **-1245**
- 1h EM version with subcode **-09**
- 3h EM version with subcode **-31**

**Liset 2.0 - A+M+2S - recessed - UGR<19**

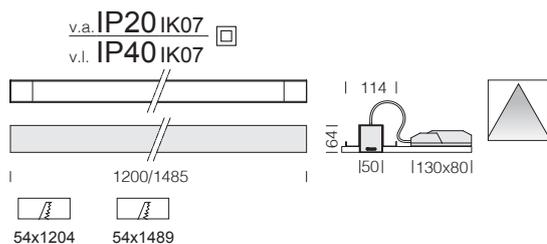
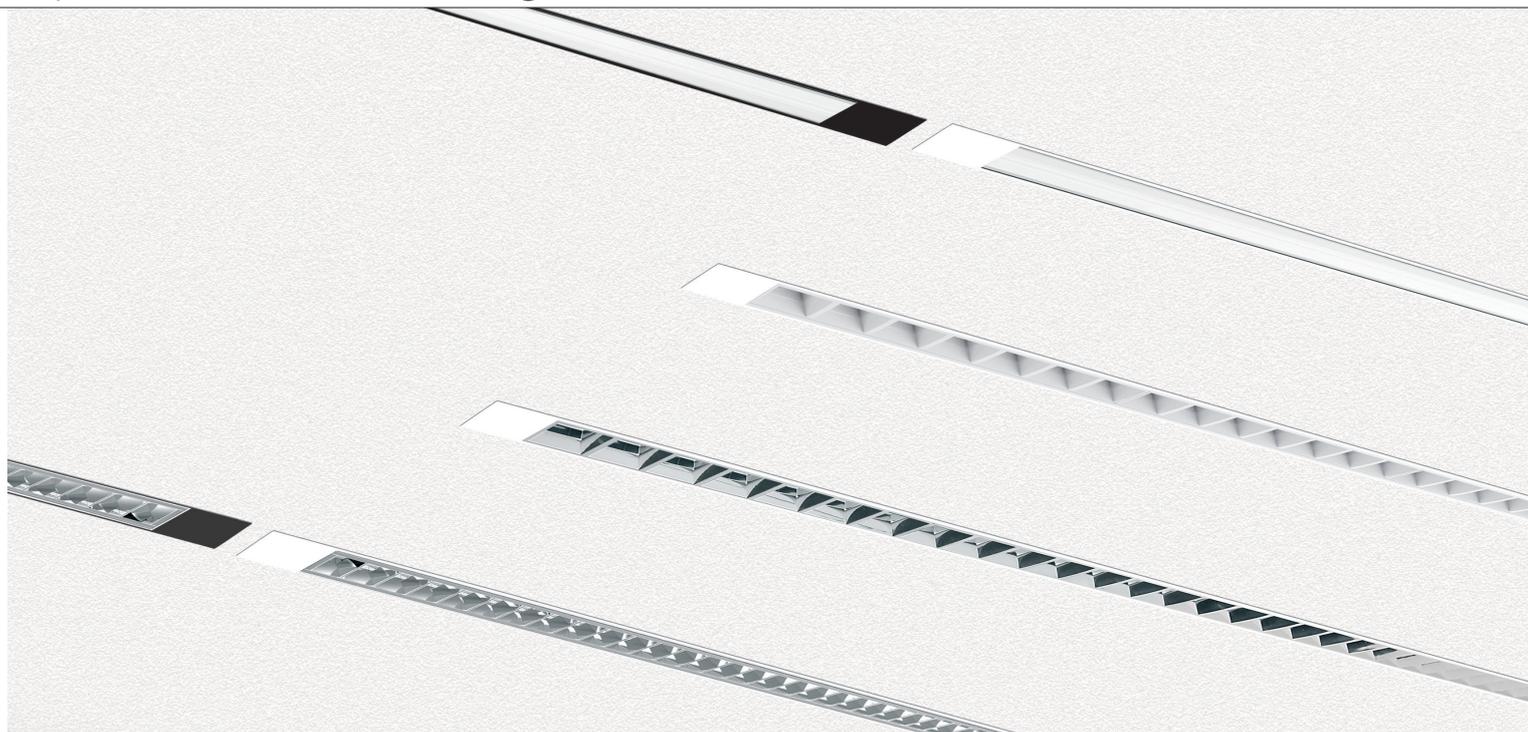
		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI - degrees
LED	white	2020	4,80	22302304-00	96	4000K - 4828lm - CRI>80 - 65°
						4000K - 2x2220lm - CRI>80 - 32°
		CLD D-DIG (DALI)				
LED	white	2020	4,80	22302304-1241	96	4000K - 4828lm - CRI>80 - 65°
						4000K - 2x2220lm - CRI>80 - 32°

Upon request: special versions with other spotlights of the Matrix Q series are available **CRI 90** - 3000K or 4000K



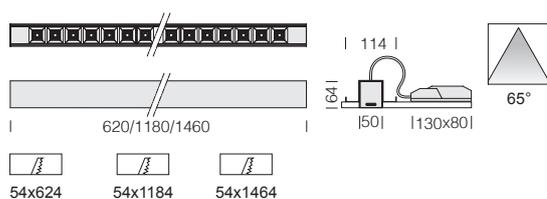


# Liset 2.0 Trimless recessed mounting in plasterboard false ceilings



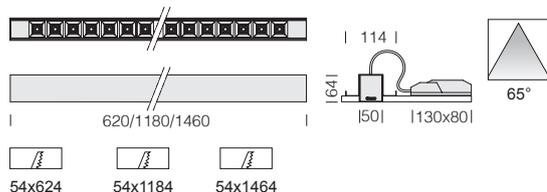
## Liset 2.0 Trimless - opal diffuser

LED		CLD				LUMEN OUTPUT (tq= 25 °C)	
housing	L (mm)	weight	code	W tot	K - ølm - CRI		
LED 4 modules	white	1200	2,50	22308010-00	28	4000K - 2783lm - CRI>80	
	black			22308030-00			
LED 4 modules	white	1200	2,50	22308010-39	28	3000K - 2588lm - CRI>80	
	black			22308030-39			
LED 5 modules	white	1485	2,90	22308011-00	35	4000K - 3475lm - CRI>80	
	black			22308031-00			
LED 5 modules	white	1485	2,90	22308011-39	35	3000K - 3236lm - CRI>80	
	black			22308031-39			



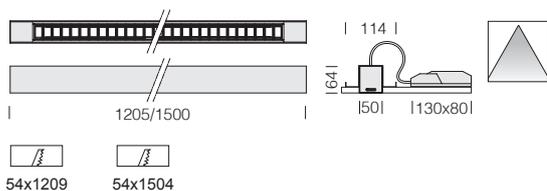
## Liset 2.0 Trimless - comfort optics - UGR<19

LED		CLD				LUMEN OUTPUT (tq= 25 °C)	
housing	L (mm)	weight	code	W tot	K - ølm - CRI- degrees		
LED 14 lenses	white	620	2,10	22308012-00	18	4000K - 2591lm - CRI>80 - 65°	
LED 28 lenses		1180	4,00	22308013-00	22	4000K - 3463lm - CRI>80 - 65°	
LED 35 lenses		1460	4,40	22308014-00	30	4000K - 4828lm - CRI>80 - 65°	



## Liset 2.0 Trimless - DARK comfort optics - UGR<19

LED		CLD				LUMEN OUTPUT (tq= 25 °C)	
housing	L (mm)	weight	code	W tot	K - ølm - CRI- degrees		
LED 14 lenses	white	620	2,10	22308017-00	18	4000K - 2578lm - CRI>80 - 65°	
LED 28 lenses		1180	4,00	22308018-00	22	4000K - 3446lm - CRI>80 - 65°	
LED 35 lenses		1460	4,40	22308019-00	30	4000K - 4804lm - CRI>80 - 65°	



## Liset 2.0 Trimless - DARK optics - UGR<19

LED		CLD				LUMEN OUTPUT (tq= 25 °C)	
housing	L (mm)	weight	code	W tot	K - ølm - CRI		
LED 4 modules	white	1205	2,50	22308015-00	25	4000K - 2700lm - CRI>80	
	black			22308035-00			
LED 5 modules	white	1500	2,90	22308016-00	30	4000K - 3240lm - CRI>80	
	black			22308036-00			

### Upon request:

- CRI 90 - 3000K and 4000K
- DIMM-DALI version with subcode **-1241** (4000K) or **-3941** (3000K)
- PUSH-DIMM version with subcode **-1245** (4000K) or **-3945** (3000K)
- 1h EM version with subcode **-09** (4000K) or **-0928** (3000K)
- 3h EM version with subcode **-31** (4000K) or **-3957** (3000K)

visual effects



emotional effects



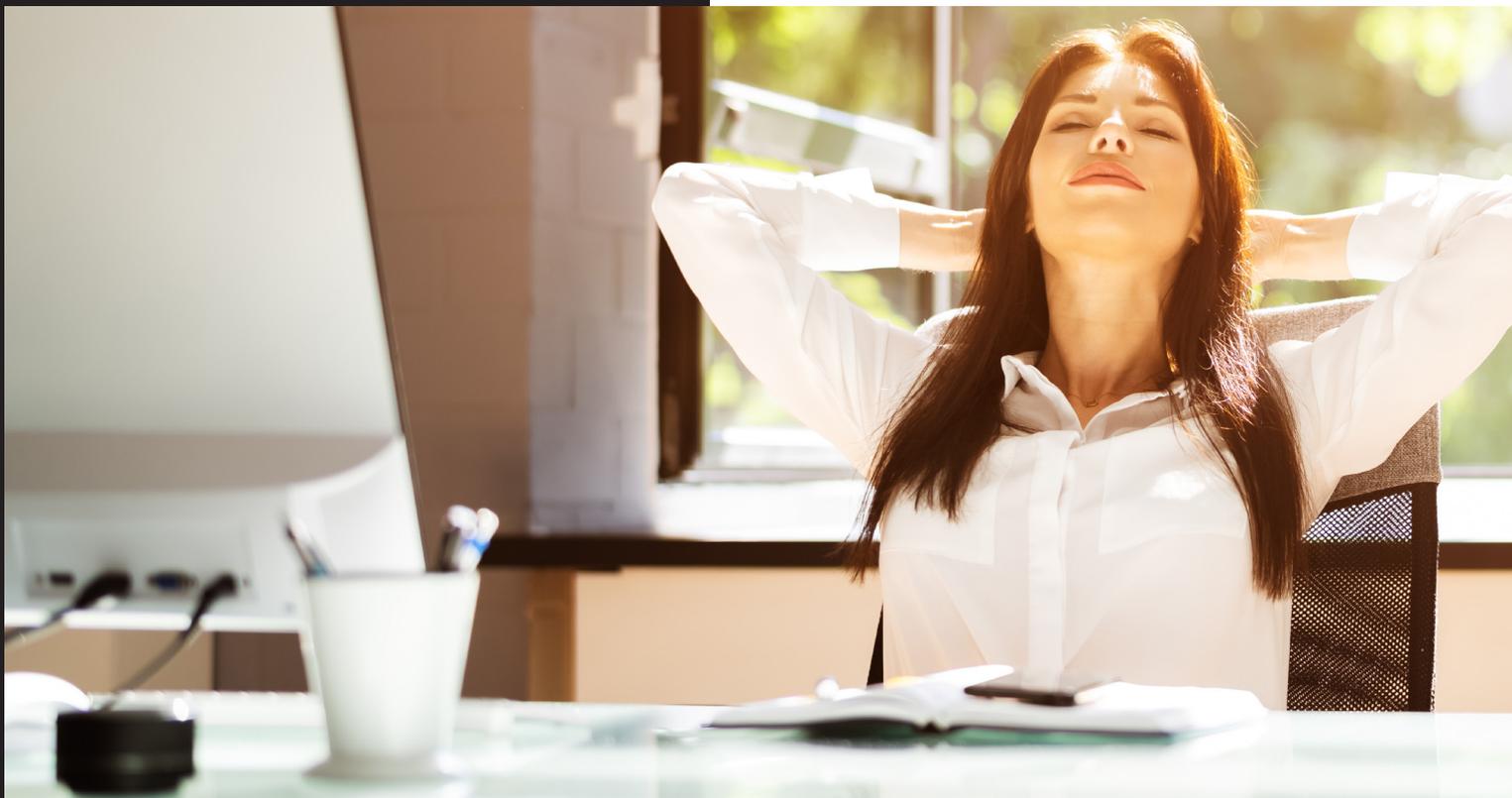
biological effects



**HCL** is a concept that represents a deep cultural change that aims to achieve a healthier and more balanced relationship with the spaces we live in. Our modern lifestyle is not aligned with nature's rhythms.

We spend most of our time indoors where artificial lighting has virtually abolished the difference between day and night.

Over the last decades, however, scientific research has made it clear that light isn't just for seeing, but also for governing how our body works from both the biological and psychological points of view.

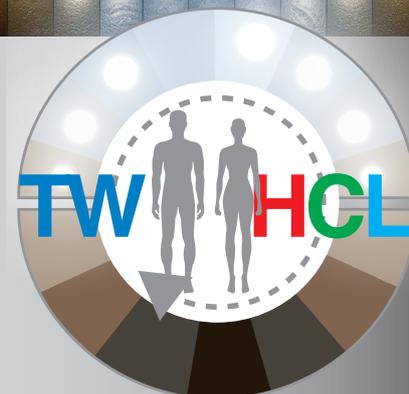


## The biologic clock

We use the definition of “biological clock” because, over the course of the day, the variations of light, from dawn to dusk, up to the dark of the night, send precise signals to our body, triggering specific psychological responses. Blood pressure, body temperature and the production of specific hormones vary over the course of 24 hours. When we wake up, the morning light triggers processes that stimulate attention span, which reaches its peak during the central hours of the day, to then decline with the arrival of the evening in order to prepare our body for night-time rest. This mechanism, which varies according to seasons and individual characteristics, is necessary for our body to work properly.



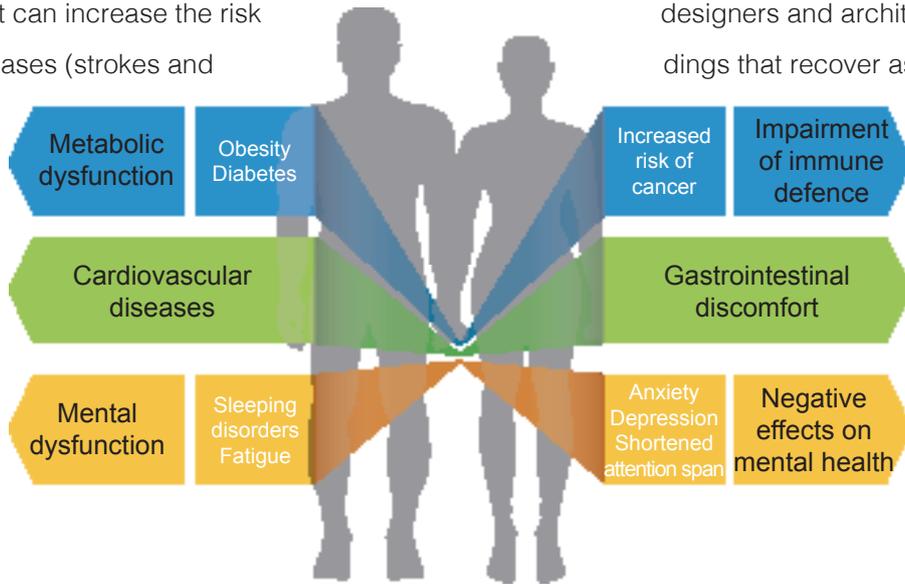
## Circadian rhythm



- 7:30 a.m. Melatonin secretion stops
- 10:00 a.m. High alertness
- 2:30 p.m. Best coordination
- 3:30 p.m. Fastest reaction time
- 7:00 p.m. Highest body temperature
- 9:00 p.m. Melatonin secretion starts
- 2:00 a.m. Deepest sleep
- 4:30 a.m. Lowest body temperature
- 6:00 a.m. Release of cortisol

# The effects of the circadian rhythm disruption on health

A systematic disruption of our biological clock has negative effects on our health. Numerous studies have shown that the disruption of our sleep-wake cycle provokes fatigue and sleeping disorders. It negatively affects our mood and psychological wellbeing, and may cause anxiety or depression, as well as gastrointestinal discomfort. Moreover, if prolonged over time, it can increase the risk of cardiovascular diseases (strokes and heart attacks) and metabolic dysfunctions (such as obesity and diabetes). Lastly, it can weaken the immune system favouring the outburst of some cancers.



According to research, it is important that our body receives signals like daylight and its variation throughout the day. Yet, we spend most of our time, whether at work or at home, in closed and artificially illuminated spaces.

So what can we do?

We can get a greater amount of daylight inside. This is why designers and architects are making buildings that recover as much as possible the relationship with the outside world. And a great help is given by the technological evolution of artificial lighting, including Human Centric Lighting.

relationship with the outside world. And a great help is given by the technological evolution of artificial lighting, including Human Centric Lighting.

## in the workplace

- Work facilitation
- Positive mood, increased productivity, greater corporate image
- Compliance with regulations e personnel protection
- Space modulation and customizable multipurpose workstations
- Positive effects on the human body and energy savings



## healthcare facilities

- Facilitation of concentration
- Improvement of psychophysical well-being
- Decreased fatigue at the end of the work shift
- Improvement of rest despite work shifts
- The hospital's image is improved

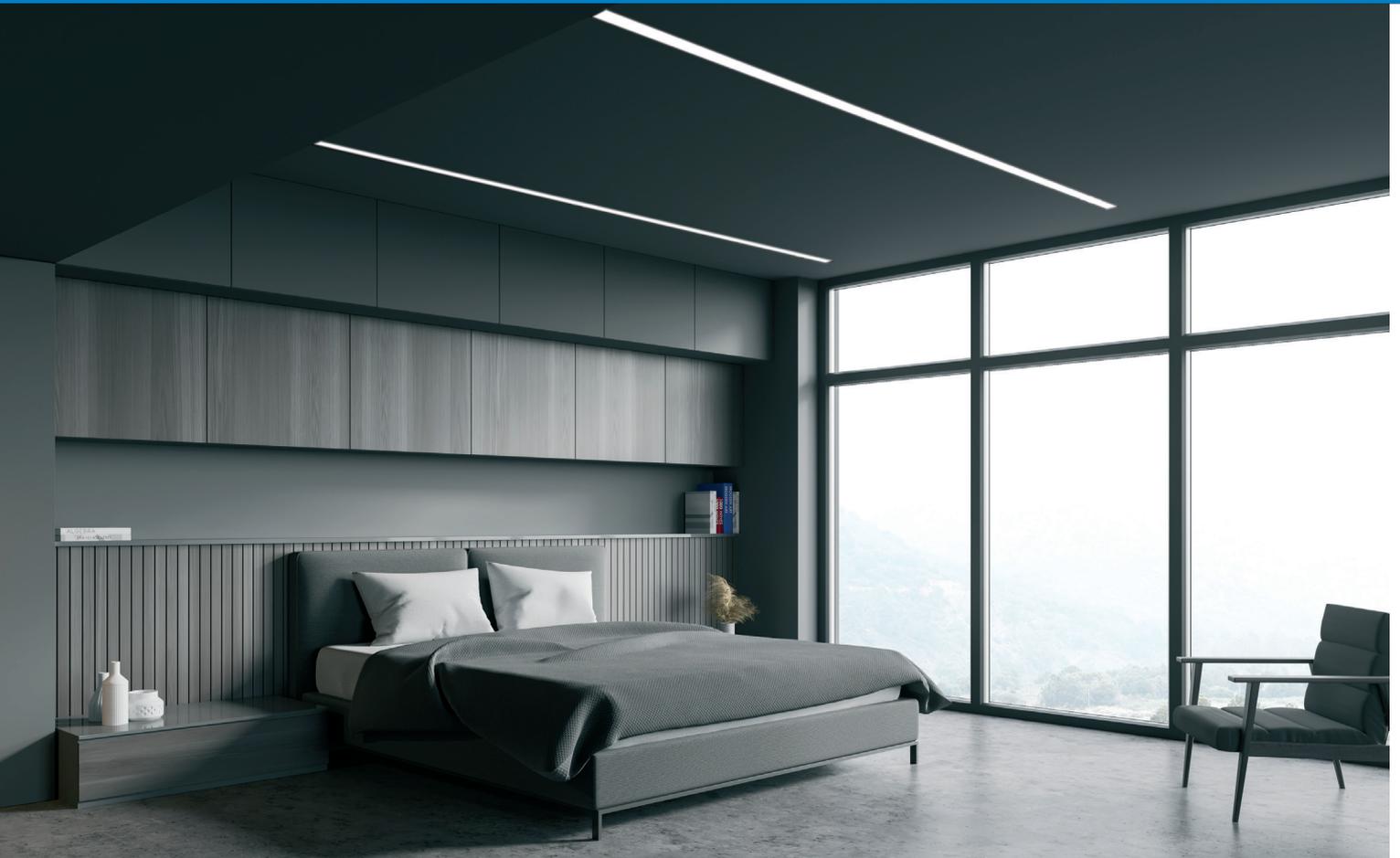


## in learning institutions

- Facilitates concentration in the class and increases school performance
- Increases attention and promotes correct behaviour
- Improves communication, facilitates communication relationship
- Improves attention and generates positive mood
- Positive effects on the human body and energy savings



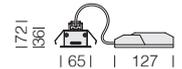




Upon request: version with black housing

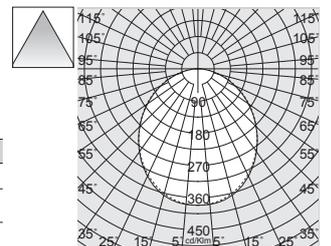


v.a. **IP20 IK07**  
 v.l. **IP40 IK07**  
 55 x 1130  
 55 x 1410

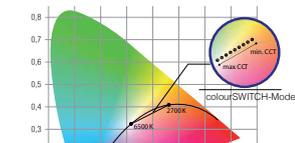


**Liset 2.0 TW- recessed - with polycarbonate diffuser - CRI 90**

LED	housing	CLD D-DIG (DALI)			W tot	LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code		K - ølm - CRI	
<b>LED 4 modules</b>	white	1140	1,60	<b>22302201-0024</b>	<b>40</b>	2700K÷6500K - 3250÷3220lm	<b>- CRI 90</b>
<b>LED 5 modules</b>		1420	2,00	<b>22302202-0024</b>	<b>40</b>	2700K÷6500K - 2984÷3176lm	<b>- CRI 90</b>



**TECHNICAL CHARACTERISTICS - TW BASIC VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- MacAdams 3
- Full 3% to 100% dimming range
- ≤4% flicker
- Constant colour temperature over the entire dimming range
- Constant luminous flux

**colourSWITCH function**

A conventional pushbutton can be used to control the system via colourSWITCH. Use of pushbutton with indicator lamp is not permitted. If the device is controlled via DALI/DSI, colourSWITCH is not available. For control via a pushbutton different settings can be made:

- Short press: setting the colour temperature via colourSWITCH mode with 9 values between 2,700 and 6,500 K.
- Long press (> 1 s): stepless setting of colour temperature. After completion the colour temperature direction will be inverted. In installations with LED Drivers with different colour temperature or opposite colour temperature directions (e.g. after a system extension), all LED Drivers can be synchronized to 4,500 K by a 10 s push.

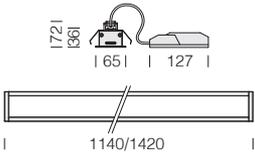
**switchDIM function**

Integrated switchDIM function allows a direct connection of a pushbutton for dimming and switching. Brief push (< 0.6 s) switches LED Driver ON and OFF. The dim level is saved at power-down and restored at power-up. When the pushbutton is held, LED modules are dimmed. After releasing and pushing the LED modules are dimmed in the opposite direction. In installations with LED Drivers with different dimming levels or opposite dimming directions (e.g. after a system extension), all LED Drivers can be synchronized to 50 % dimming level by a 10 s push. Use of pushbutton with indicator lamp is not permitted.

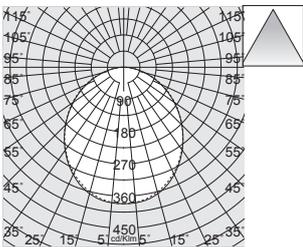


v.a. **IP20 IK07**  
 v.l. **IP40 IK07**

55 x 1130  
 55 x 1410



Upon request: version with black housing



**Liset 2.0 HCL - recessed - with polycarbonate diffuser - CRI 90**

LED	housing	CLD DW (HCL)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
<b>LED 4 modules</b>	white	1140	1,60	<b>22302201-89</b>	<b>38</b>	2700K÷6500K - 3250÷3220lm - <b>CRI 90</b>
<b>LED 5 modules</b>	white	1420	2,00	<b>22302202-89</b>	<b>46</b>	2700K÷6500K - 2984÷3176lm - <b>CRI 90</b>

**TECHNICAL CHARACTERISTICS - HCL WIRELESS VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- Full 3% to 100% dimming range
- Switch-off fading
- <4% flicker
- Constant colour temperature over the entire dimming range
- LED driver that automatically adjusts lights to the desired colour temperature and the required luminous flux

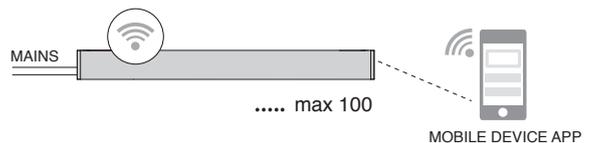


The Dynamic White function allows adjusting the colour temperature from 2700K to 6500K to create a sense of the passing of time (circadian rhythm) and to set the mood and ambiance of a space according to our daily activities. Circadian lighting obtained with the Dynamic White function is the best solution to implement Human Centric Lighting (HCL) in classrooms, university campuses, offices and hospitals where lights can mimic the

natural trend of daylight throughout the entire day.

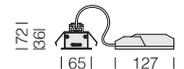
**HCL WIRELESS INSTALLATION EXAMPLE (POINT-TO-POINT)**

The standard version of the fixture comes with a wireless driver. Liset 2.0 can be easily controlled from a smartphone/tablet via a **free app**.





v.a. **IP20 IK07**  
 v.l. **IP40 IK07**  
 55 x 570  
 55 x 1130

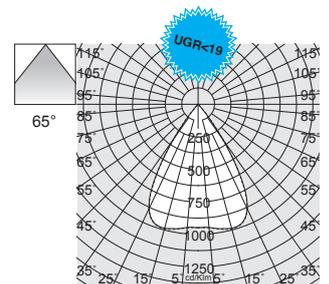


**Liset 2.0 TW - recessed - comfort optics - UGR<19**

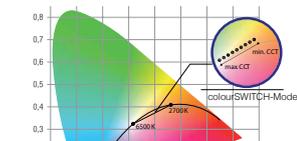
LED	housing	CLD CELLD-D (DALI)			W tot	LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code		K - ølm - CRI - degrees	
<b>LED 14 lenses</b>	white	580	1,10	22302101-0024	<b>16</b>	2700K±6500K - 2092lm - CRI 80 - 65°	
<b>LED 28 lenses</b>		1140	2,30	22302102-0024	<b>29</b>	2700K±6500K - 3603lm - CRI 80 - 65°	

**Upon request:**

- black colour housing version
- 76° beam version



**TECHNICAL CHARACTERISTICS - TW BASIC VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- MacAdams 3
- Full 3% to 100% dimming range
- ≤4% flicker
- Constant colour temperature over the entire dimming range
- Constant luminous flux

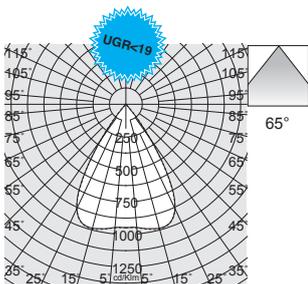
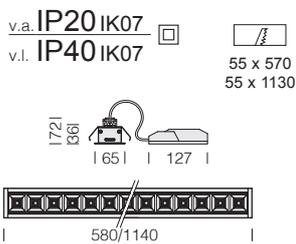
**colourSWITCH function**

A conventional pushbutton can be used to control the system via colourSWITCH. Use of pushbutton with indicator lamp is not permitted. If the device is controlled via DALI/DSI, colourSWITCH is not available. For control via a pushbutton different settings can be made:

- Short press: setting the colour temperature via colourSWITCH mode with 9 values between 2,700 and 6,500 K.
- Long press (> 1 s): stepless setting of colour temperature. After completion the colour temperature direction will be inverted. In installations with LED Drivers with different colour temperature or opposite colour temperature directions (e.g. after a system extension), all LED Drivers can be synchronized to 4,500 K by a 10 s push.

**switchDIM function**

Integrated switchDIM function allows a direct connection of a pushbutton for dimming and switching. Brief push (< 0.6 s) switches LED Driver ON and OFF. The dim level is saved at power-down and restored at power-up. When the pushbutton is held, LED modules are dimmed. After releasing and pushing the LED modules are dimmed in the opposite direction. In installations with LED Drivers with different dimming levels or opposite dimming directions (e.g. after a system extension), all LED Drivers can be synchronized to 50 % dimming level by a 10 s push. Use of pushbutton with indicator lamp is not permitted.



**Liset 2.0 HCL - recessed - comfort optics - UGR<19**

LED	housing	CLD DW (HCL)			LUMEN OUTPUT (tq= 25 °C)	
		L (mm)	weight	code	W tot	K - ølm - CRI - gradi
<b>LED 14 lenses</b>	white	580	1,10	<b>22302101-89</b>	<b>16</b>	2700K±6500K - 2092lm - CRI 80 - 65°
<b>LED 28 lenses</b>		1140	2,30	<b>22302102-89</b>	<b>29</b>	2700K±6500K - 3603lm - CRI 80 - 65°

- Upon request:**
- black colour housing version
  - 76° beam version

**TECHNICAL CHARACTERISTICS - HCL WIRELESS VERSION**



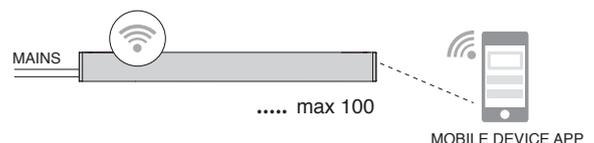
- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- Full 3% to 100% dimming range
- Switch-off fading
- <4% flicker
- Constant colour temperature over the entire dimming range
- LED driver that automatically adjusts lights to the desired colour temperature and the required luminous flux

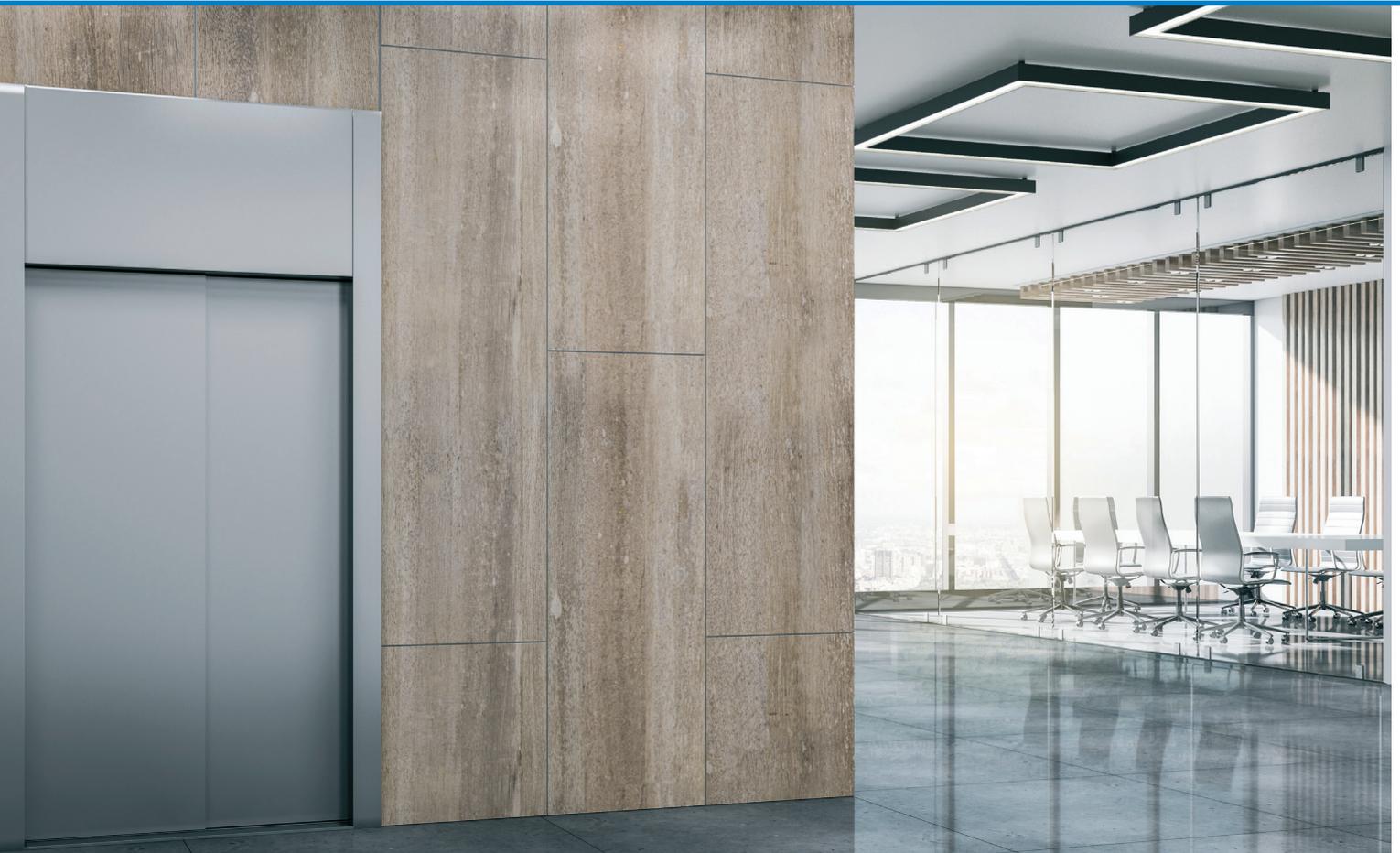


The Dynamic White function allows adjusting the colour temperature from 2700K to 6500K to create a sense of the passing of time (circadian rhythm) and to set the mood and ambiance of a space according to our daily activities. Circadian lighting obtained with the Dynamic White function is the best solution to implement Human Centric Lighting (HCL) in classrooms, university campuses, offices and hospitals where lights can mimic the natural trend of daylight throughout the entire day.

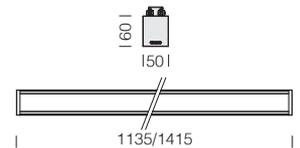
**HCL WIRELESS INSTALLATION EXAMPLE (POINT-TO-POINT)**

The standard version of the fixture comes with a wireless driver. Liset 2.0 can be easily controlled from a smartphone/tablet via a **free app**.



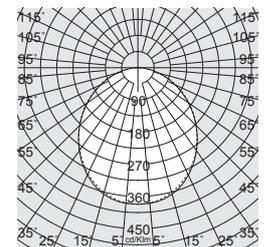


IP40 IK07

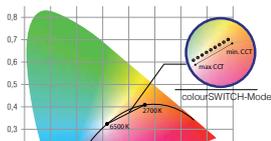


**Liset 2.0 TW - ceiling - with polycarbonate diffuser - CRI 90**

LED	housing	CLD D-DIG (DALI)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
<b>LED 4 modules</b>	white	1135	2,50	22302203-0024	40	2700K+6500K - 2899+3357lm - <b>CRI 90</b>
	black			22302233-0024		
<b>LED 5 modules</b>	white	1415	3,10	22302204-0024	40	2700K+6500K - 3044+3524lm - <b>CRI 90</b>
	black			22302234-0024		



**TECHNICAL CHARACTERISTICS - TW BASIC VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- MacAdams 3
- Full 3% to 100% dimming range
- ≤4% flicker
- Constant colour temperature over the entire dimming range
- Constant luminous flux

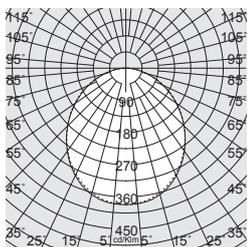
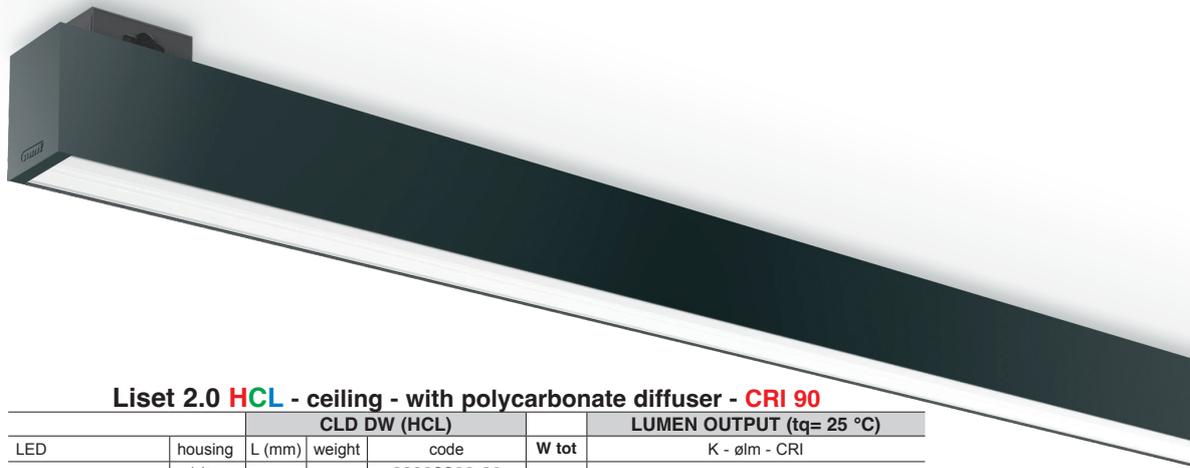
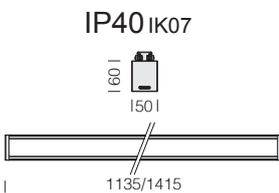
**colourSWITCH function**

A conventional pushbutton can be used to control the system via colourSWITCH. Use of pushbutton with indicator lamp is not permitted. If the device is controlled via DALI/DSI, colourSWITCH is not available. For control via a pushbutton different settings can be made:

- Short press: setting the colour temperature via colourSWITCH mode with 9 values between 2,700 and 6,500 K.
- Long press (> 1 s): stepless setting of colour temperature. After completion the colour temperature direction will be inverted. In installations with LED Drivers with different colour temperature or opposite colour temperature directions (e.g. after a system extension), all LED Drivers can be synchronized to 4,500 K by a 10 s push.

**switchDIM function**

Integrated switchDIM function allows a direct connection of a pushbutton for dimming and switching. Brief push (< 0.6 s) switches LED Driver ON and OFF. The dim level is saved at power-down and restored at power-up. When the pushbutton is held, LED modules are dimmed. After releasing and pushing the LED modules are dimmed in the opposite direction. In installations with LED Drivers with different dimming levels or opposite dimming directions (e.g. after a system extension), all LED Drivers can be synchronized to 50 % dimming level by a 10 s push. Use of pushbutton with indicator lamp is not permitted.



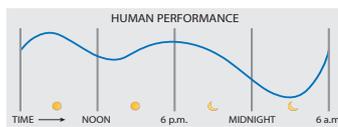
**Liset 2.0 HCL - ceiling - with polycarbonate diffuser - CRI 90**

		CLD DW (HCL)			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED 4 modules	white	1135	2,50	22302203-89	38	2700K±6500K - 2899±3357lm - <b>CRI 90</b>
	black			22302233-89		
LED 5 modules	white	1415	3,10	22302204-89	46	2700K±6500K - 3044±3524lm - <b>CRI 90</b>
	black			22302234-89		

**TECHNICAL CHARACTERISTICS - HCL WIRELESS VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- Full 3% to 100% dimming range
- Switch-off fading
- <4% flicker
- Constant colour temperature over the entire dimming range
- LED driver that automatically adjusts lights to the desired colour temperature and the required luminous flux

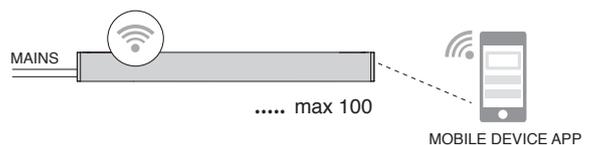


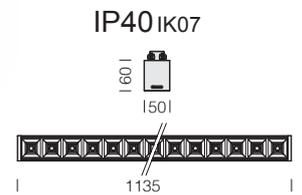
natural trend of daylight throughout the entire day.

The Dynamic White function allows adjusting the colour temperature from 2700K to 6500K to create a sense of the passing of time (circadian rhythm) and to set the mood and ambiance of a space according to our daily activities. Circadian lighting obtained with the Dynamic White function is the best solution to implement Human Centric Lighting (HCL) in classrooms, university campuses, offices and hospitals where lights can mimic the

**HCL WIRELESS INSTALLATION EXAMPLE (POINT-TO-POINT)**

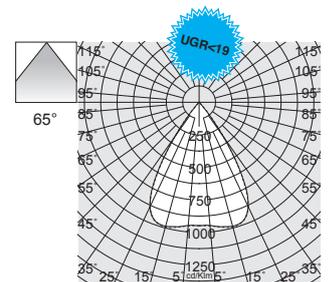
The standard version of the fixture comes with a wireless driver. Liset 2.0 can be easily controlled from a smartphone/tablet via a **free app**.



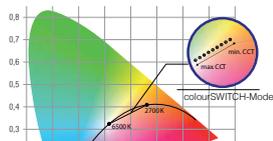


**Liset 2.0 TW - ceiling - comfort optics - UGR<19**

LED	housing	CLD CELLD-D (DALI)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		
LED 28 lenses	white	1135	3,00	22302105-0024	29	2700K+6500K - 3375lm - CRI 80 - 65°
	black			22302135-0024		



**TECHNICAL CHARACTERISTICS - TW BASIC VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- MacAdams 3
- Full 3% to 100% dimming range
- ≤4% flicker
- Constant colour temperature over the entire dimming range
- Constant luminous flux

**colourSWITCH function**

A conventional pushbutton can be used to control the system via colourSWITCH. Use of pushbutton with indicator lamp is not permitted. If the device is controlled via DALI/DSI, colourSWITCH is not available. For control via a pushbutton different settings can be made:

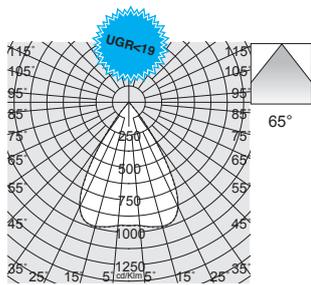
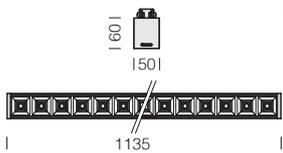
- Short press: setting the colour temperature via colourSWITCH mode with 9 values between 2,700 and 6,500 K.
- Long press (> 1 s): stepless setting of colour temperature. After completion the colour temperature direction will be inverted. In installations with LED Drivers with different colour temperature or opposite colour temperature directions (e.g. after a system extension), all LED Drivers can be synchronized to 4,500 K by a 10 s push.

**switchDIM function**

Integrated switchDIM function allows a direct connection of a pushbutton for dimming and switching. Brief push (< 0.6 s) switches LED Driver ON and OFF. The dim level is saved at power-down and restored at power-up. When the pushbutton is held, LED modules are dimmed. After releasing and pushing the LED modules are dimmed in the opposite direction. In installations with LED Drivers with different dimming levels or opposite dimming directions (e.g. after a system extension), all LED Drivers can be synchronized to 50 % dimming level by a 10 s push. Use of pushbutton with indicator lamp is not permitted.



IP40 IK07



**Liset 2.0 HCL - ceiling - comfort optics - UGR<19**

LED	housing	CLD DW (HCL)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI - degrees
LED 28 lenses	white	1135	3,00	22302105-89	29	2700K÷6500K - 3375lm - CRI 80 - 65°
	black			22302135-89		

**TECHNICAL CHARACTERISTICS - HCL WIRELESS VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- Full 3% to 100% dimming range
- Switch-off fading
- <4% flicker
- Constant colour temperature over the entire dimming range
- LED driver that automatically adjusts lights to the desired colour temperature and the required luminous flux

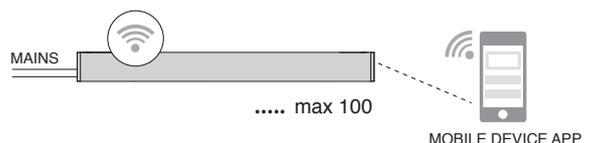


natural trend of daylight throughout the entire day.

The Dynamic White function allows adjusting the colour temperature from 2700K to 6500K to create a sense of the passing of time (circadian rhythm) and to set the mood and ambiance of a space according to our daily activities. Circadian lighting obtained with the Dynamic White function is the best solution to implement Human Centric Lighting (HCL) in classrooms, university campuses, offices and hospitals where lights can mimic the

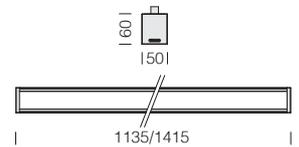
**HCL WIRELESS INSTALLATION EXAMPLE (POINT-TO-POINT)**

The standard version of the fixture comes with a wireless driver. Liset 2.0 can be easily controlled from a smartphone/tablet via a **free app**.



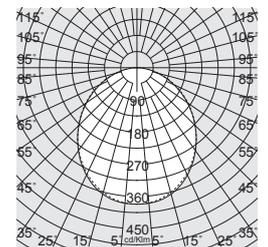


IP40 IK07

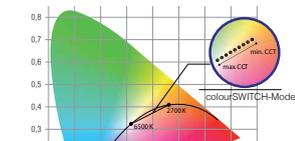


**Liset 2.0 TW - suspension - direct light - with polycarbonate diffuser - CRI 90**

LED	housing	CLD D-DIG (DALI)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI
<b>LED 4 modules</b>	white	1135	2,50	22302208-0024	40	2700K÷6500K - 2899÷3357lm - <b>CRI 90</b>
	black			22302238-0024		
<b>LED 5 modules</b>	white	1415	3,10	22302209-0024	40	2700K÷6500K - 3044÷3524lm - <b>CRI 90</b>
	black			22302239-0024		



**TECHNICAL CHARACTERISTICS - TW BASIC VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- MacAdams 3
- Full 3% to 100% dimming range
- ≤4% flicker
- Constant colour temperature over the entire dimming range
- Constant luminous flux

**colourSWITCH function**

A conventional pushbutton can be used to control the system via colourSWITCH. Use of pushbutton with indicator lamp is not permitted. If the device is controlled via DALI/DSI, colourSWITCH is not available. For control via a pushbutton different settings can be made:

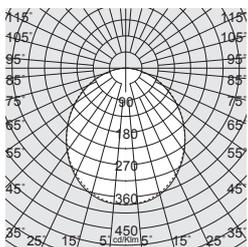
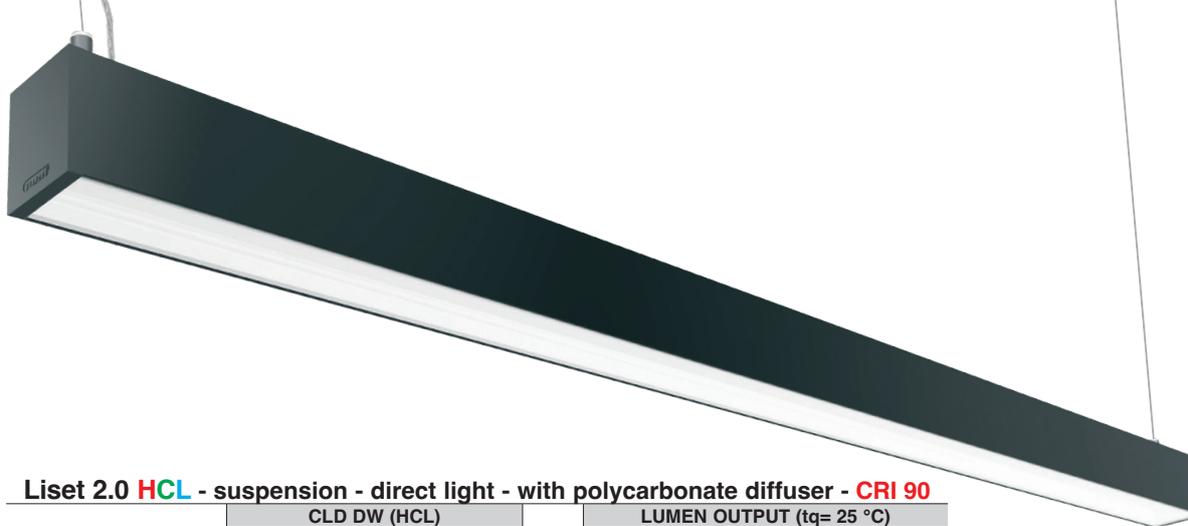
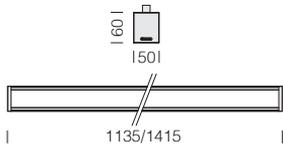
- Short press: setting the colour temperature via colourSWITCH mode with 9 values between 2,700 and 6,500 K.
- Long press (> 1 s): stepless setting of colour temperature. After completion the colour temperature direction will be inverted. In installations with LED Drivers with different colour temperature or opposite colour temperature directions (e.g. after a system extension), all LED Drivers can be synchronized to 4,500 K by a 10 s push.

**switchDIM function**

Integrated switchDIM function allows a direct connection of a pushbutton for dimming and switching. Brief push (< 0.6 s) switches LED Driver ON and OFF. The dim level is saved at power-down and restored at power-up. When the pushbutton is held, LED modules are dimmed. After releasing and pushing the LED modules are dimmed in the opposite direction. In installations with LED Drivers with different dimming levels or opposite dimming directions (e.g. after a system extension), all LED Drivers can be synchronized to 50 % dimming level by a 10 s push. Use of pushbutton with indicator lamp is not permitted.



IP40 IK07



**Liset 2.0 HCL - suspension - direct light - with polycarbonate diffuser - CRI 90**

		CLD DW (HCL)			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
<b>LED 4 modules</b>	white	1135	2,50	22302208-89	40	2700K+6500K - 2899÷3357lm - <b>CRI 90</b>
	black			22302238-89		
<b>LED 5 modules</b>	white	1415	3,10	22302209-89	40	2700K+6500K - 3044÷3524lm - <b>CRI 90</b>
	black			22302239-89		

**TECHNICAL CHARACTERISTICS - HCL WIRELESS VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- Full 3% to 100% dimming range
- Switch-off fading
- <4% flicker
- Constant colour temperature over the entire dimming range
- LED driver that automatically adjusts lights to the desired colour temperature and the required luminous flux

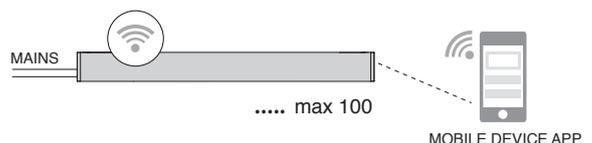


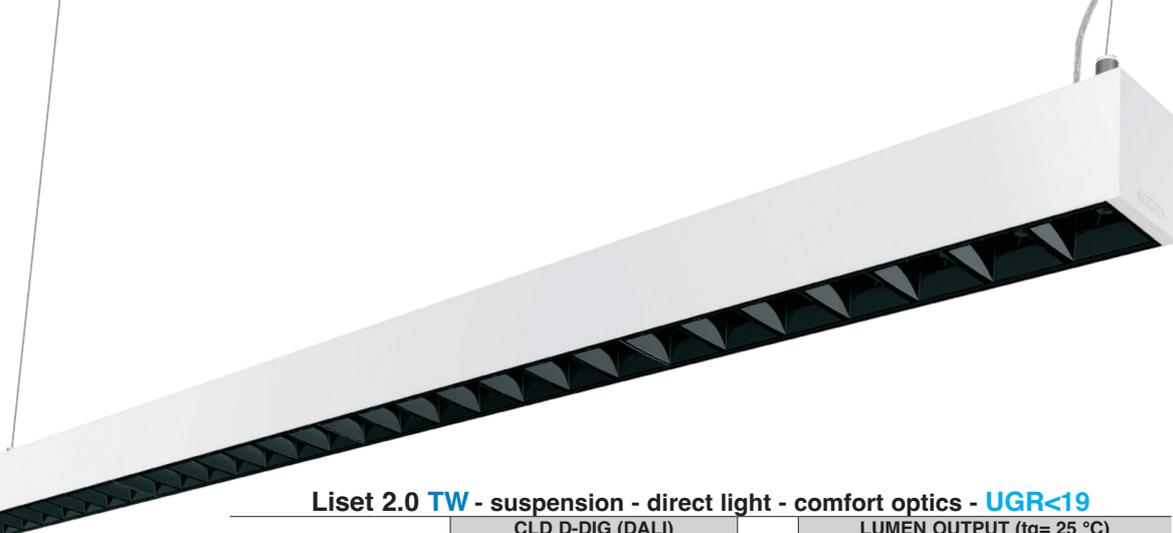
natural trend of daylight throughout the entire day.

The Dynamic White function allows adjusting the colour temperature from 2700K to 6500K to create a sense of the passing of time (circadian rhythm) and to set the mood and ambiance of a space according to our daily activities. Circadian lighting obtained with the Dynamic White function is the best solution to implement Human Centric Lighting (HCL) in classrooms, university campuses, offices and hospitals where lights can mimic the

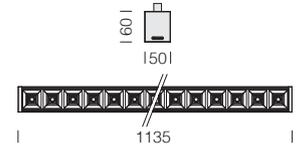
**HCL WIRELESS INSTALLATION EXAMPLE (POINT-TO-POINT)**

The standard version of the fixture comes with a wireless driver. Liset 2.0 can be easily controlled from a smartphone/tablet via a **free app**.



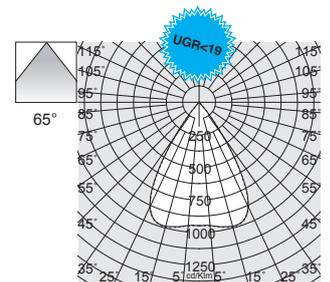


IP40 IK07

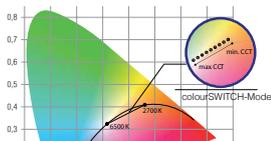


**Liset 2.0 TW - suspension - direct light - comfort optics - UGR<19**

LED	housing	CLD D-DIG (DALI)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		
LED 28 lenses	white	1135	3,00	22302111-0024	29	2700K+6500K - 3375lm - CRI 80 - 65°
	black			22302131-0024		



**TECHNICAL CHARACTERISTICS - TW BASIC VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- MacAdams 3
- Full 3% to 100% dimming range
- ≤4% flicker
- Constant colour temperature over the entire dimming range
- Constant luminous flux

**colourSWITCH function**

A conventional pushbutton can be used to control the system via colourSWITCH. Use of pushbutton with indicator lamp is not permitted. If the device is controlled via DALI/DSI, colourSWITCH is not available. For control via a pushbutton different settings can be made:

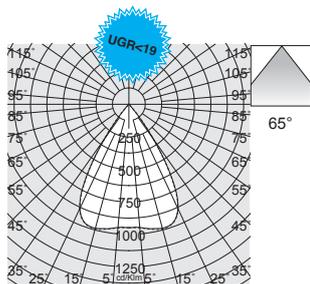
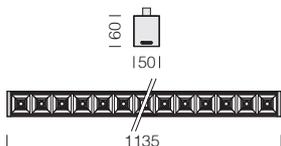
- Short press: setting the colour temperature via colourSWITCH mode with 9 values between 2,700 and 6,500 K.
- Long press (> 1 s): stepless setting of colour temperature. After completion the colour temperature direction will be inverted. In installations with LED Drivers with different colour temperature or opposite colour temperature directions (e.g. after a system extension), all LED Drivers can be synchronized to 4,500 K by a 10 s push.

**switchDIM function**

Integrated switchDIM function allows a direct connection of a pushbutton for dimming and switching. Brief push (< 0.6 s) switches LED Driver ON and OFF. The dim level is saved at power-down and restored at power-up. When the pushbutton is held, LED modules are dimmed. After releasing and pushing the LED modules are dimmed in the opposite direction. In installations with LED Drivers with different dimming levels or opposite dimming directions (e.g. after a system extension), all LED Drivers can be synchronized to 50 % dimming level by a 10 s push. Use of pushbutton with indicator lamp is not permitted.



IP40 IK07



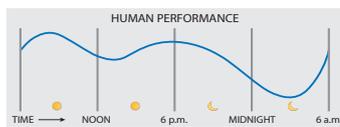
**Liset 2.0 HCL - suspension - direct light - comfort optics - UGR<19**

LED	housing	CLD DW (HCL)			W tot	LUMEN OUTPUT (tq= 25 °C)
		L (mm)	weight	code		K - ølm - CRI - degrees
LED 28 lenses	white	1135	3,00	22302111-89	29	2700K÷6500K - 3375lm - CRI 80 - 65°
	black			22302131-89		

**TECHNICAL CHARACTERISTICS - HCL WIRELESS VERSION**



- Colour temperature adjustment range from 2700K to 6500K on a linear scale
- Full 3% to 100% dimming range
- Switch-off fading
- <4% flicker
- Constant colour temperature over the entire dimming range
- LED driver that automatically adjusts lights to the desired colour temperature and the required luminous flux

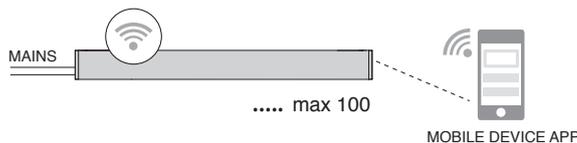


natural trend of daylight throughout the entire day.

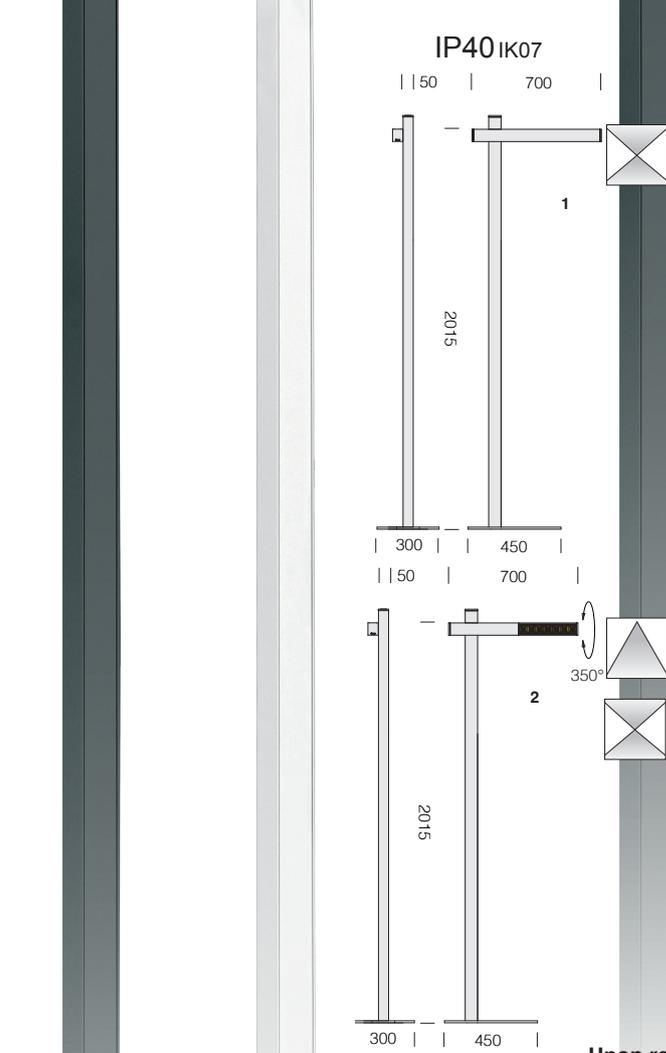
The Dynamic White function allows adjusting the colour temperature from 2700K to 6500K to create a sense of the passing of time (circadian rhythm) and to set the mood and ambiance of a space according to our daily activities. Circadian lighting obtained with the Dynamic White function is the best solution to implement Human Centric Lighting (HCL) in classrooms, university campuses, offices and hospitals where lights can mimic the

**HCL WIRELESS INSTALLATION EXAMPLE (POINT-TO-POINT)**

The standard version of the fixture comes with a wireless driver. Liset 2.0 can be easily controlled from a smartphone/tablet via a **free app**.







**Liset 2.0 OFFICE 1 - fixed**  
comfort optics direct light + opal diffuser indirect light

LED		CLD (ON-OFF)				LUMEN OUTPUT (tq= 25 °C)	
housing	h (mm)	weight	code		W tot	K - ølm - CRI	
LED	white	2015	13,00	22306010-00		32	4000K - 3990lm - CRI>80
	black			22306030-00			
LED	white	2015	13,00	22306010-39		32	3000K - 3711lm - CRI>80
	black			22306030-39			



**Liset 2.0 OFFICE 2 - adjustable - comfort optics**

LED		CLD (ON-OFF)				LUMEN OUTPUT (tq= 25 °C)	
housing	h (mm)	weight	code		W tot	K - ølm - CRI	
LED	white	2015	13,00	22306110-00		18	4000K - 2486lm - CRI>80
	black			22306130-00			
LED	white	2015	13,00	22306110-39		18	3000K - 2312lm - CRI>80
	black			22306130-39			

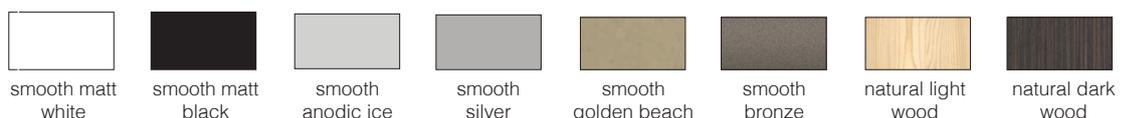
**Upon request: CASAMBI SYSTEM**

Casambi is an advanced home automation lighting management system with which users can easily and intuitively control their lights. It is based on the Bluetooth Low Energy (BLE) standard. BLE is the only wireless technology designed to consume less energy currently used in all modern smartphones. Thanks to its simple, user-friendly application, anyone can set up and manage their own lighting network from a smartphone or any mobile device to easily control each lighting fixture individually or in groups, depending on their needs and functions. This technology represents the ideal solution in terms of easy installation and functionality. With Casambi lights can be controlled from a smartphone, tablet, smart watch, push buttons and wired or wireless switches. It works with an app that can be downloaded for free from the Apple App Store or Google Play Store.



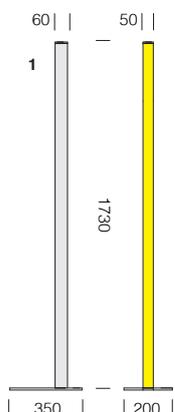
In the free-standing version, it is a floor lamp with compact dimensions that does not take up too much space and can create surprisingly elegant light scenes with proper management of the light beam. It is a particularly versatile lighting fixture with the option to choose from different combinations of input power and luminous flux output values and between comfort optics and polycarbonate diffuser.

Available colours:



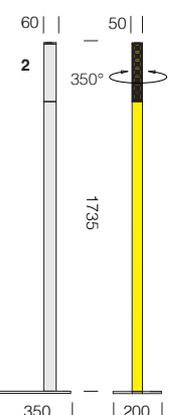


IP40 IK07



**Liset 2.0 HOME 1**

		CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	h (mm)	weight	code	W tot	K - ølm - CRI
LED	white	1730	11,00	22306210-00	20	4000K - 2088lm - CRI>80
	black			22306230-00		
LED	white	1730	11,00	22306210-39	20	3000K - 1943lm - CRI>80
	black			22306230-39		



**Liset 2.0 HOME 2 - adjustable**

		CLD (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	h (mm)	weight	code	W tot	K - ølm - CRI
LED	white	1735	11,00	22306310-00	30	4000K - 3136lm - CRI>80
	black			22306330-00		
LED	white	1735	11,00	22306310-39	30	3000K - 2916lm - CRI>80
	black			22306330-39		



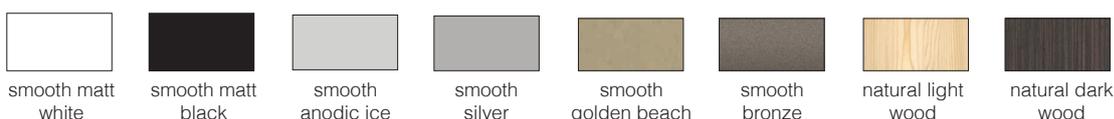
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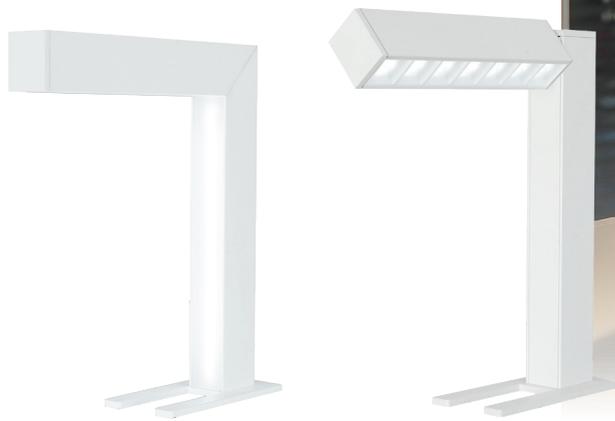


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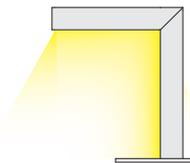
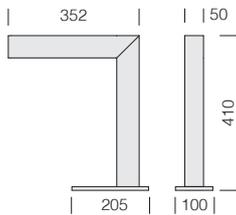
Available colours:







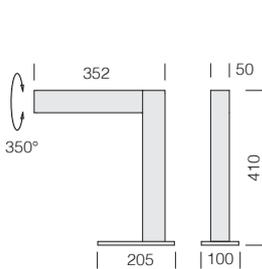
IP40 IK07



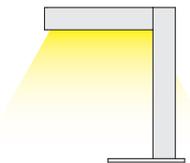
**Liset 2.0 tabletop - fixed - opal diffuser**

		CLD (ON-OFF)		LUMEN OUTPUT (tq= 25 °C)	
LED	housing	weight	code	W tot	K - ølm - CRI
LED	white	2.50	22307210-00	8	4000K - 825lm - CRI>80
	black		22307230-00		
LED	white	2.50	22307210-39	8	3000K - 768lm - CRI>80
	black		22307230-39		

Complete with power cable.



UGR<19



**Liset 2.0 tabletop - adjustable - comfort optics - UGR<19**

		CLD (ON-OFF)		LUMEN OUTPUT (tq= 25 °C)	
LED	housing	weight	code	W tot	K - ølm - CRI
LED	white	2.60	22307310-00	11	4000K - 1554lm - CRI>80
	black		22307330-00		
LED	white	2.60	22307310-39	11	3000K - 1445lm - CRI>80
	black		22307330-39		

Complete with power cable.

# LIST 2.0

## NEW GREEN GENERATION

 **Fosnova**

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