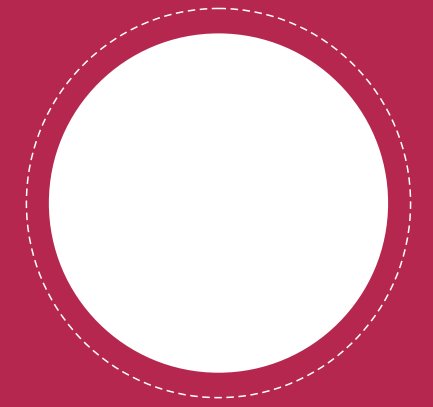




Architectural LED Lighting & Control



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2023-2024



Professional
Unique
Comfortable

LED LIGHTING & CONTROL

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Luminaire



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Phase cut
ON/OFF



1-10V



Phase cut



Phase cut/1-10V/NON-DIM

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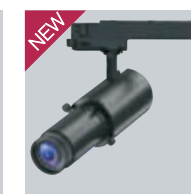
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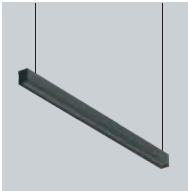
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Kinglumi profile

Founded in 2005, Kinglumi Co., Ltd. (K&L, Kinglumi) is a leading manufacturer of cutting-edge LED luminaires and lighting control solutions. Over the years, we have earned a reputation for delivering innovative, customized, and energy-efficient lighting solutions worldwide. Headquartered in Shenzhen, China, with a dedicated team of approximately 350 employees, Kinglumi has proudly distributed its LED luminaires and lighting control devices to more than 80 countries. We take pride in consistently delivering exceptional value to customers and partners across the globe.

With a wealth of experience and R&D expertise stemming from our team of around 35 engineers, we consistently produce premium LED lighting products that stand out in the market. From industrial design and optics to mechanical structure and LED drivers, each component of Kinglumi LED lights, except for the LED Chips, is developed in-house, adhering to the highest design standards and quality control.

At Kinglumi, we are dedicated to creating glare-free and energy-efficient LED luminaires and control systems. Our commitment is to illuminate the world in an environmentally friendly and sustainable manner. We provide LED lighting products that are

not only durable and user-friendly but also contribute to creating a more positive, valuable, and inspirational lighting environment

In 2022, Kinglumi introduced its groundbreaking Full Spectrum with Auto Enhancement technology. The META 1 series, featuring an automatic color recognition system, was born. In 2023, we took innovation a step further with the META 2 series, now equipped with big data functions, unlocking limitless possibilities for lighting solutions.

To cater to the unique requirements of our customers for specific applications, we proudly offer ODM (Original Design Manufacturer) services. With our extensive experience in designing innovative, exceptional, and high-quality customized LED lighting solutions, we are dedicated to bringing your customized lighting projects to life.

FIGURES & FACTS



15,000m² Production Facility



Registered Capital
¥50,000,000



Staffs 350
Engineers 35



Annual R&D INV
6% of revenue



ISO9001:2015



187 Patents & PCT



\$30,000,000
Revenue



CHINA High and
New Technology
Enterprises

PARTNERS



Diamond Strategy
Partner



LED Thermal Design
Joint Research Center



Postgraduate Student
Practice Base



Strategy partner
on SMD LED



Strategy partner
on COB LED

MEMBERS



DALI/DiiA Associate
Members



BSCI/SA8000
FFC/FLA/WRAP

TRADEMARKS

LEDGEAR® **CAMETA®** **K&L®** **caimeta®**

CERTIFICATIONS



Kinglumi History



2006
Honored to be the first company showcasing the high power PAR30 light fitting at the Frankfurt Lighting Fair(Light + Building).



2008
Designed and released the first triac dimmable LED light which's highly recognized in industry and protected by many patents around the world.



2010
The patented anti glare CAMETA lens was a big breakthrough made by Kinglumi to provide exceptionally glare-free and uniform lighting.



2012
Took pride in establishing strategic partnership with Sharp Corporation, a famous Japanese multinational corporation in Japan.



2014
Become a DALI Member & launch LEDGEAR® Brand.



2015
Made remarkable sales achievements in the third generation Water-drop track lights that benefit customers for its aesthetic appearance, high energy efficiency and durability.



2017
Kinglumi made a big breakthrough again in lighting innovation and developed modular, recycling and UGR<16 APOLLO panel light.



2019
LEDGEAR®led drivers approved by ENEC, also expand with DALI DT8 and Bluetooth smart control functions. Facility expanded 5000 sqm.



2021
Expands lighting control product range with Tuya platform and DALI. Facility upgraded with more automatic production machines and production capacity increased 30%.



2023
The META 2 series is equipped with big data functions, allowing lights to have unlimited possibilities.

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

2020

2021

2022

2023

Established

2005.08.08
Kinglumi Co., Ltd.
was established.



2007
The 1000LM PAR38 lamp was developed and launched with great sales success, effectively improving Kinglumi brand influence worldwide.



2009
Moved to a new factory covering 10,000sqm; Self-developed CRI>95 LED lamps were successfully utilized in some commercial applications.



2011
Cooperated with Harbin Institute of Technology to establish the first domestic LED thermal design joint research center; CAMETA lamps achieved sales success of 1,500,000pcs in 2011.



2013
Kinglumi was the first company in China to combine anti-glare reflector design with CAMETA 2.0 lens technology for optimizing energy efficiency and glare-free performance.



2016
The UGR<19 and energy-efficient Annulight™ LED high bay lighting was designed by Kinglumi, taking industrial lighting to a higher level.



2018
Kinglumi unveils the LEDGEAR® DALI-2 standard LED drivers and lights, which comes after other three lighting manufacturers in China.

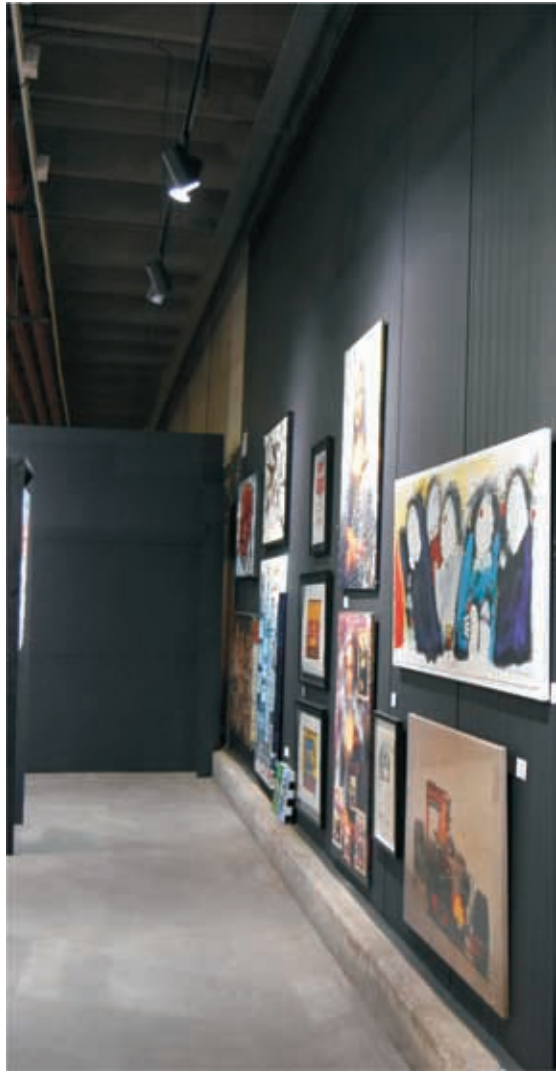


2020
Kaiware was established and introduced cutting-edge technologies, including AI Lighting Control, adaptive full spectrum lighting solutions, and wireless control capabilities. And launched the CAIMETA AI control APP.



2022
Kinglumi caimeta META 1 series was launching, we are stepping into the world of AI lighting with the Auto color sensing, full Spectrum lighting solution.

Looking forward to the next exciting happen



◀ META AI track light apply in Art Gallery

Art galleries demand adaptable, high-CRI lighting to showcase art effectively, protect against UV damage, and ensure uniformity. Kinglumi's META AI Spotlight offers dynamic color adjustments AUTOMATICALLY, catering to diverse artwork palettes and materials. Its full-spectrum lighting enhances the vibrancy and allure of each painting, creating a captivating gallery experience

Paul Arnold Art Gallery ▶ in Darwin

We used the META AI Trackspot to bring out the true colours of these stunning paintings in the Art Gallery. With excellent lighting effect & flexibility.

Supplied in partnership with Ark Lighting



Kinglumi Projects



Flagship store of Addias in Sydney ▲

In the transformation of the Adidas, Pitt St, Sydney store, we integrated state-of-the-art lighting solutions like the META AI Trackspot, harnessing its smart technology to amplify colour, vibrancy and create an engaging and dynamic retail environment. Supplied in partnership with Ark Lighting



Xline Linear Track Light used in car showroom ▲

Designing lighting for car showrooms presents a unique challenge, as the metallic surfaces tend to reflect light extensively. Achieving even and precise light distribution is crucial. Kinglumi Xline linear track offers a slim design with an integrated driver, coupled with an 85°85° louver design. This combination ensures precise light distribution and a comfortable ambiance for customers as they walking around the showroom /project picture supported by Netherland exclusive partner



Waterdrop track light used in Netherland Restaurant ▲

Restaurants require high-quality lighting to keep food looking fresh and customers delighted. Kinglumi's Waterdrop Track Light Series, boasting a CRI of 98 and BBBL technology, ensures food appears in perfect, appetizing colors. Project picture supported by Netherland exclusive partner



META AI Tracklight for Dafeng Oil painting village

Use the cut-edge technology create a beautiful, well-lit display that showcases the beauty and detail of the oil painting.



Light up clothing in people's avenue store

Kinglumi track lights worked well in one of People's Avenue retail store in Amsterdam, sparking the interest of people to walk through the door and have an enjoyable in-store shopping experience.



Kinglumi Projects

Residential area lighting solution in sweden

A combination of Kinglumi led surface mount downlight and round track LED lighting has transformed one of residential area in Sweden into a pleasing and magnificent place by casting excellent colors throughout the home and on the surroundings.

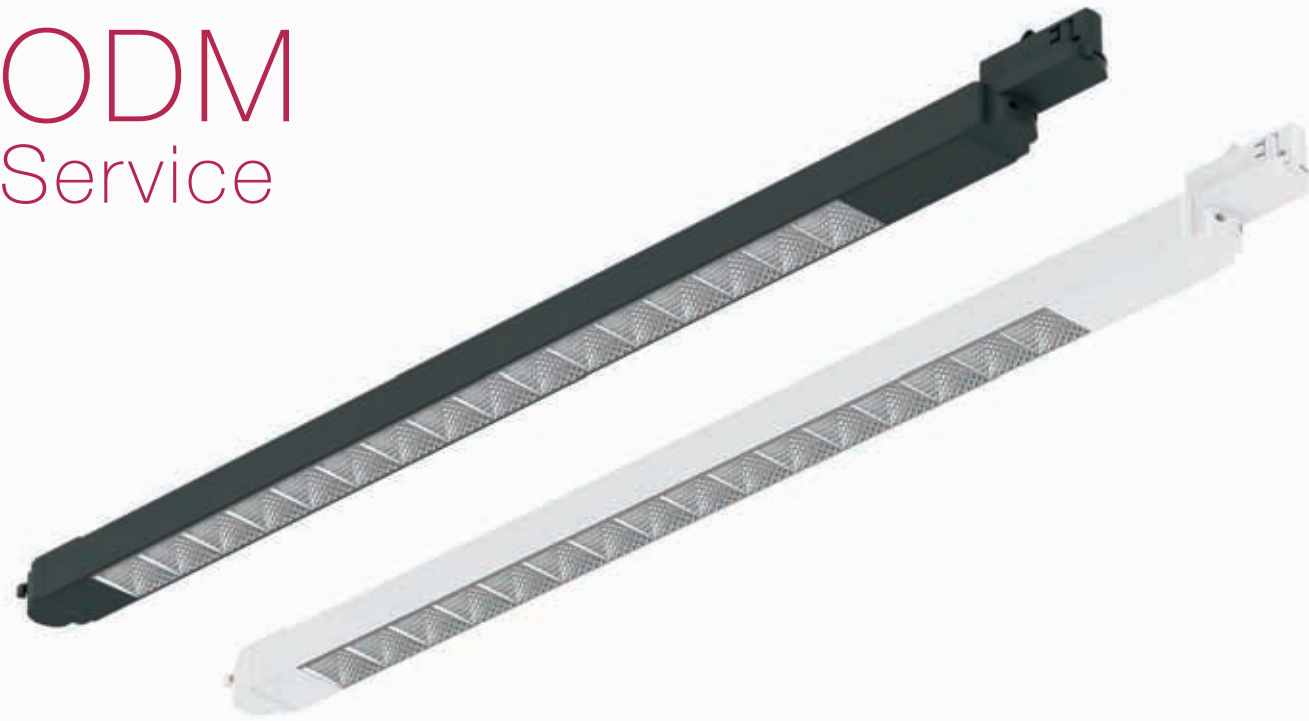


Xline linear project in CBD Office application

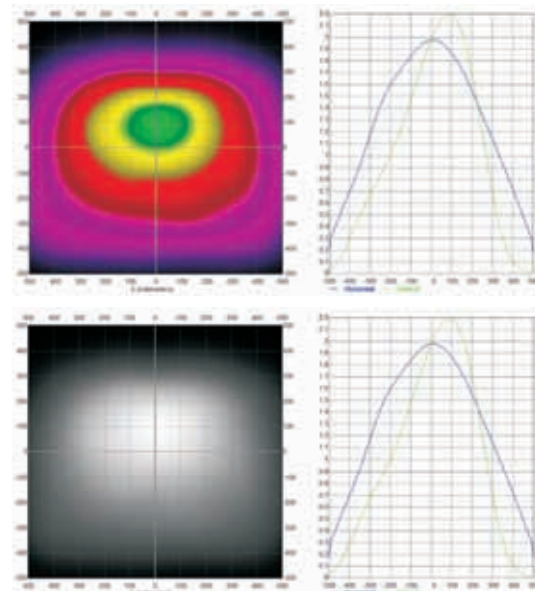
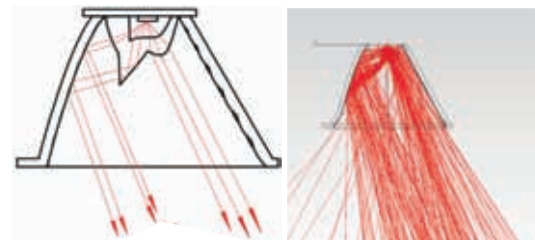
Office lighting necessitates a harmonious blend of brightness and comfort. Kinglumi Xline Plus linear series excels in delivering both. With an impressive 120lm/w output, it ensures ample brightness for productivity. Moreover, its distinctive 85°85° beam design eradicates side glare, fostering a comfortable and visually pleasing work environment that enhances concentration and well-being. /project picture supported by Netherland exclusive partner.



ODM Service



Glare-free and energy-efficient LED Lighting solution is not the only thing we provide , Kinglumi also put customized service for different market/customer in strategic position . To satisfy customers' individual needs for specific LED lighting applications, Kinglumi offers outstanding ODM services for customized lighting projects with extensive experience and know-how on designing innovative, exceptional and high-quality custom LED luminaires. With a strong R&D capability and engineering excellence, Kinglumi is able to help customers turn their creative and unique ideas into lucrative new products and help resolve technical problems and challenges.



Strong R&D capability

Focused on delivering one-of-a-kind led light fittings with a R&D team of approximately 35 professionals, Kinglumi insists on designing each component of luminaires on our own, which plays an important role ensuring the good quality from the very beginning.

.Kinglumi eestablished a high efficient ODM service team, and looking forward to offer our best customized products of LED luminaire and lighting control devices.

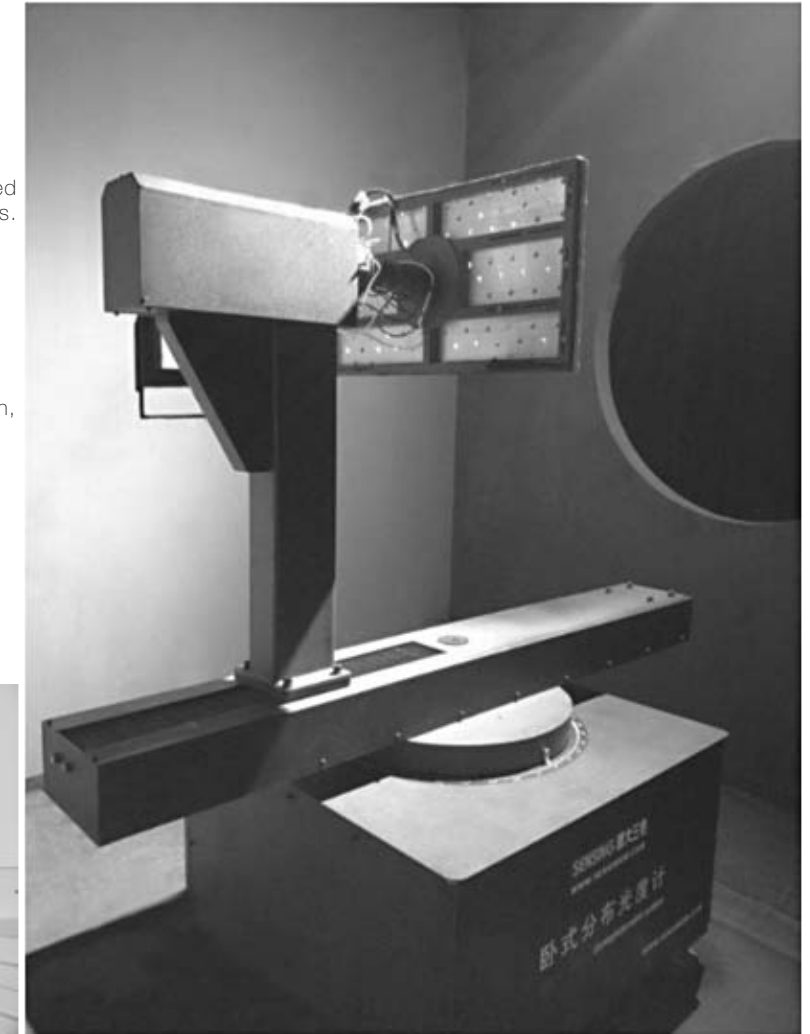
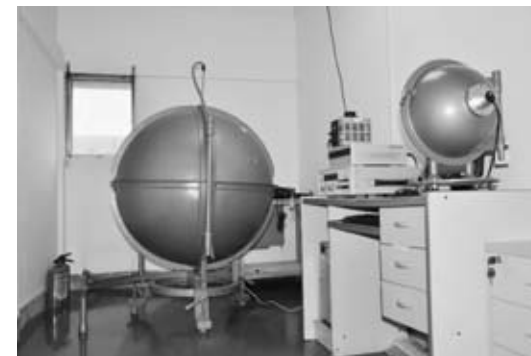
– Sales+PM: The passionate and experienced sales&product manager, who speak fluent English, French and Spanish, are committed to putting customer needs first and doing their utmost to maximize the added value for customers.

– Innovation Team: ID(Industrial Design), Optic Design, EFD Thermal Evaluation

– Mechanism Design Team: Mechanism Design and Packaging Design

– Power Supply Design Team: DALI, Zigbee, Bluetooth, Z-wave, 1-10V, Phase-cut

– Software in used: 3D Max, Pro E, AI, RHINO, Lighttool, Tracepro, Zemax, Dialux, EFD



The Basic Knowledge of DALI Dimming & Troubleshooting

1. What is DALI?

DALI stands for "Digital Addressable Lighting Interface" and is an interface protocol for digital communication between electronic control devices for lighting technology. The underlying technology was established by a consortium of lighting equipment manufacturers, and as an open standard alternative to several proprietary protocols. DALI is "addressable," allowing it to control individual fixtures as well as groups of fixtures easily. It was designed for a single control or "broadcast" to control up to 64 lighting fixtures in a single DALI bus or "loop."

DALI is specified by a series of technical standards in IEC 62386. Standards conformance ensures that equipment from different manufacturers will interoperate. The DALI trademark is allowed on devices that comply with the DiIA testing and certification requirements, and are certified (DALI-2) on the DiIA website(www.dali-alliance.org).

Since Dec. 2014, Kinglumi became the DALI associate member, and has the ability and experience to design, produce, certificate and control the quality of DALI LED drivers, DALI Luminaires, and DALI control devices.

2. Important information about DALI

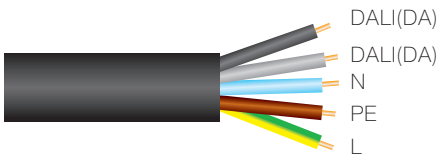
Parameter	Parameter Value
Communication	Two-way communication (feedback)
Polarity-free	The polarity (+/-) of the DALI control line does not have to be minded
Max. count of DALI operating devices per DALI subnet	64 +64 addresses (64 pieces of control gear and 64 control devices connected at the same time, assuming the bus power supply is sufficient)
Max. count of DALI groups	16 / 32 (16 groups for control gear; 32 groups for control devices)
Max. count of DALI scenes	16
DALI voltage	9.5 V - 22.5 V, typical 16VDC -> Non SELV, because no galvanic isolation
DALI bus power supply	max. 250 mA (depending on installed DALI power supply)
Max. bus current consumption of load interface(e.g. driver)	2 mA per unit
Data transfer speed	1,200 Baud
Max. wire length	300 m for a wire-cross-section (Q) of 1.5 mm2 (Between furthest-apart devices. The smaller the Q, the shorter the wire length has to be)

!NOTICE

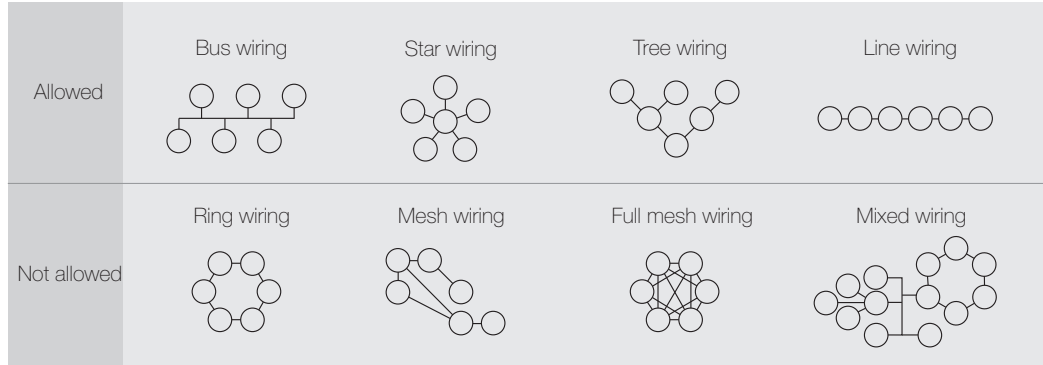
A DALI power supply is always required for each DALI line.

3. DALI Networks Installation

The installation of the DALI system takes place with customary installation material for mains voltage. For the DALI control circuit 2 wires are required (DALI is protected against polarity reversal). Mains voltage and bus line can be led in the same cable. For example, a cable with 5 cores (L, N, PE, DA, DA) like a NYM-J 5 x 1.5 can be used (see figure below).



There are also several kinds of wiring for these systems:

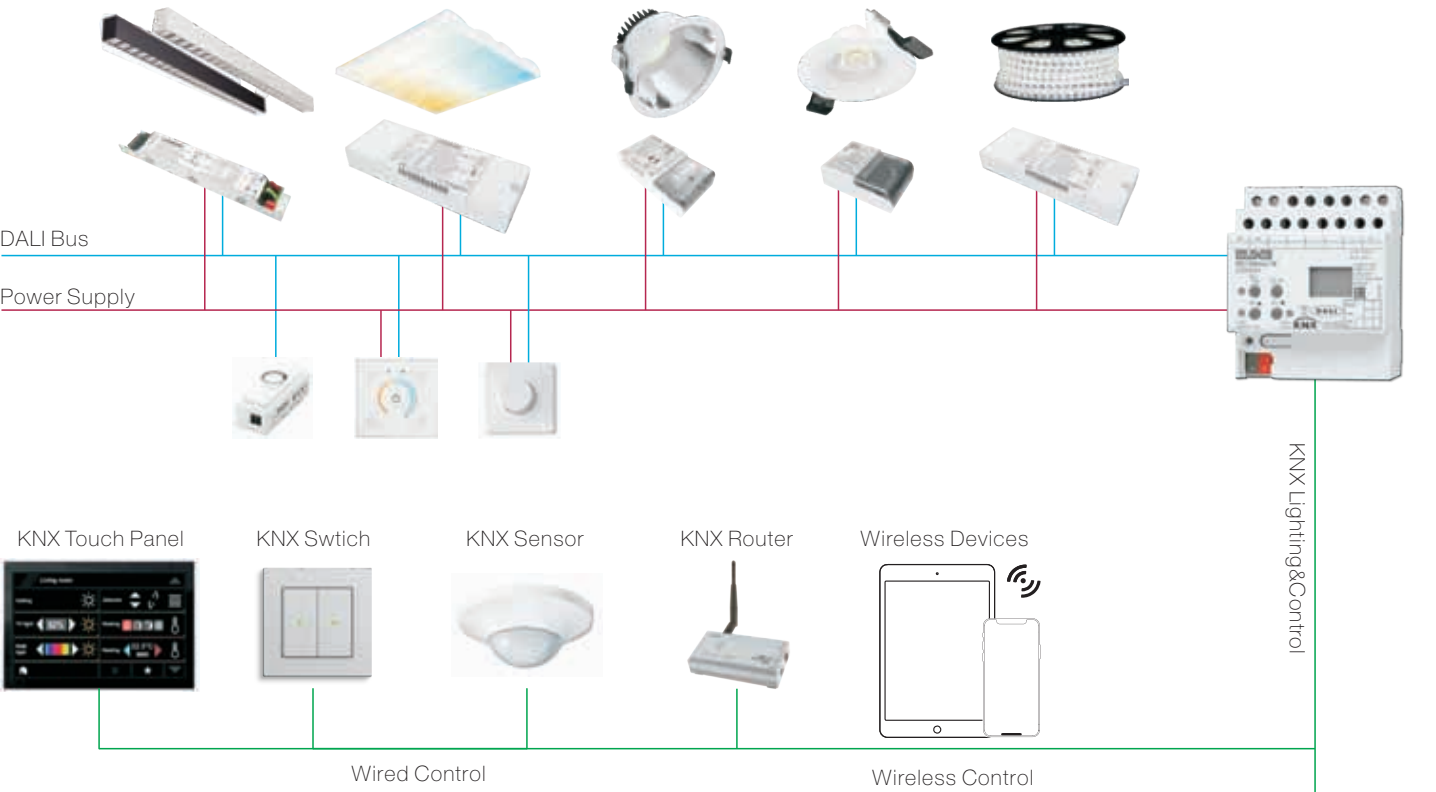


!NOTICE

Connection points or deformed cables increase the resistance of the cable and thus lead to shorter permissible cable lengths.

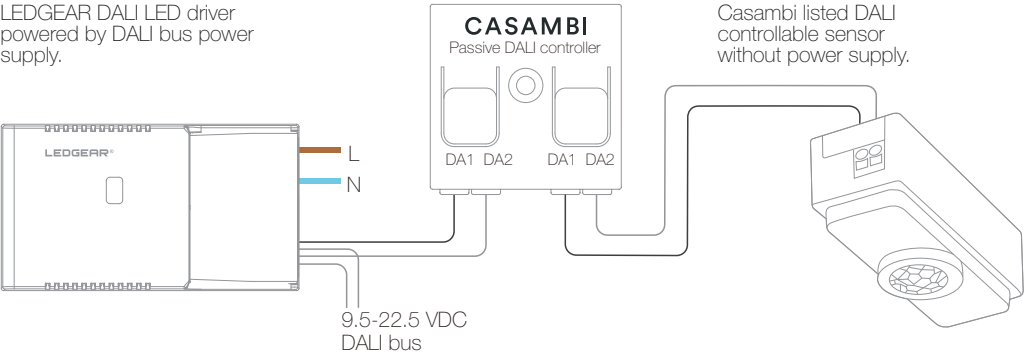
4. DALI with KNX in residential and building control application

KNX is very popular in Europe and evolved from three earlier standards. And has plenty control interface, and control devices, which can manage lighting(limited, not professional enough), blinds and shutters, HVAC, security systems, energy management, audio video, white goods, displays, remote control, etc. While DALI is well known as a professional commercial lighting control protocol, when DALI connected to the KNX, the whole buildings houses can be totally controlled by KNX systems. And there are KNX-DALI gateway that works perfectly as the bridge of DALI and KNX. The question is why and how can DALI be used for lighting control?



5. **Wireless control of LEDGEAR® DALI with Casambi Bluetooth**
LEDGEAR® DALI drivers seamlessly integrates with Casambi for wireless lighting control. With Casambi, you can effortlessly manage the brightness, color temperature, and light color of your LEDGEAR® DALI enabled luminaires using the Casambi app on your smart devices. You can pair Bluetooth-controllable DALI controllers like CBU-DCS(1ch) and CBU-A2D(2ch) with LEDGEAR® DALI LED drivers.

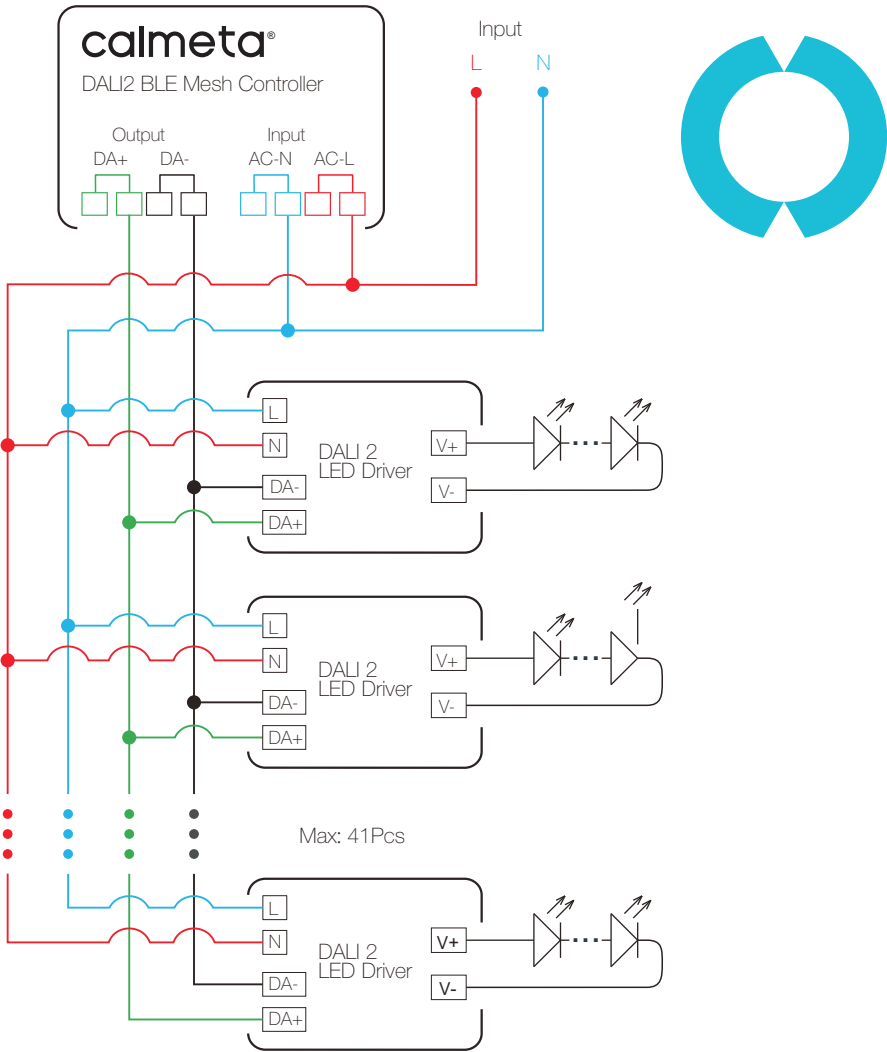
Casambi wiring diagram with LEDGEAR® DALI LED driver and DALI sensor



6. **Wireless control of LEDGEAR® DALI with CAIMETA® BLE MESH**
Experience seamless wireless control with CAIMETA®. Effortlessly adjust the brightness, color tune settings, and switch your DALI 2 luminaires directly from your smartphone or tablet, whether you're using iOS or Android.

Connect your DALI 2 DT6 and DT8 Tc luminaires and drivers seamlessly using the cutting-edge CAIMETA® wireless technology. The Bluetooth-enabled DALI controller R94004 is fully compatible with all DALI 2 approved LED drivers, including the trusted LEDGEAR® brand. Upgrade your lighting control experience today.

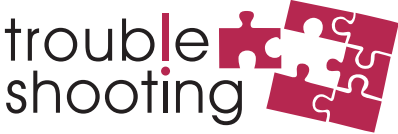
CAIMETA® wiring diagram with LEDGEAR® DALI LED driver and DALI sensor



7. **Troubleshooting: DALI check list**

If you are having problems with (the first things to check if you are having problems)

- Check number of addresses: 63 or fewer
- Check total current consumption of all the devices connected is not more than 250 mA.
- Check cable length: total cable length should not be more than 300m.
- Check DALI signal voltage
Use a suitable multi-meter check the DALI signal voltage.
Ideally the measured voltage should be between 16 V DC and 22.5 V DC with no more than a 2 V DC drop along the cable length. If you read less than 14 V DC, it is likely that you have, or will have, a problem with your DALI system.



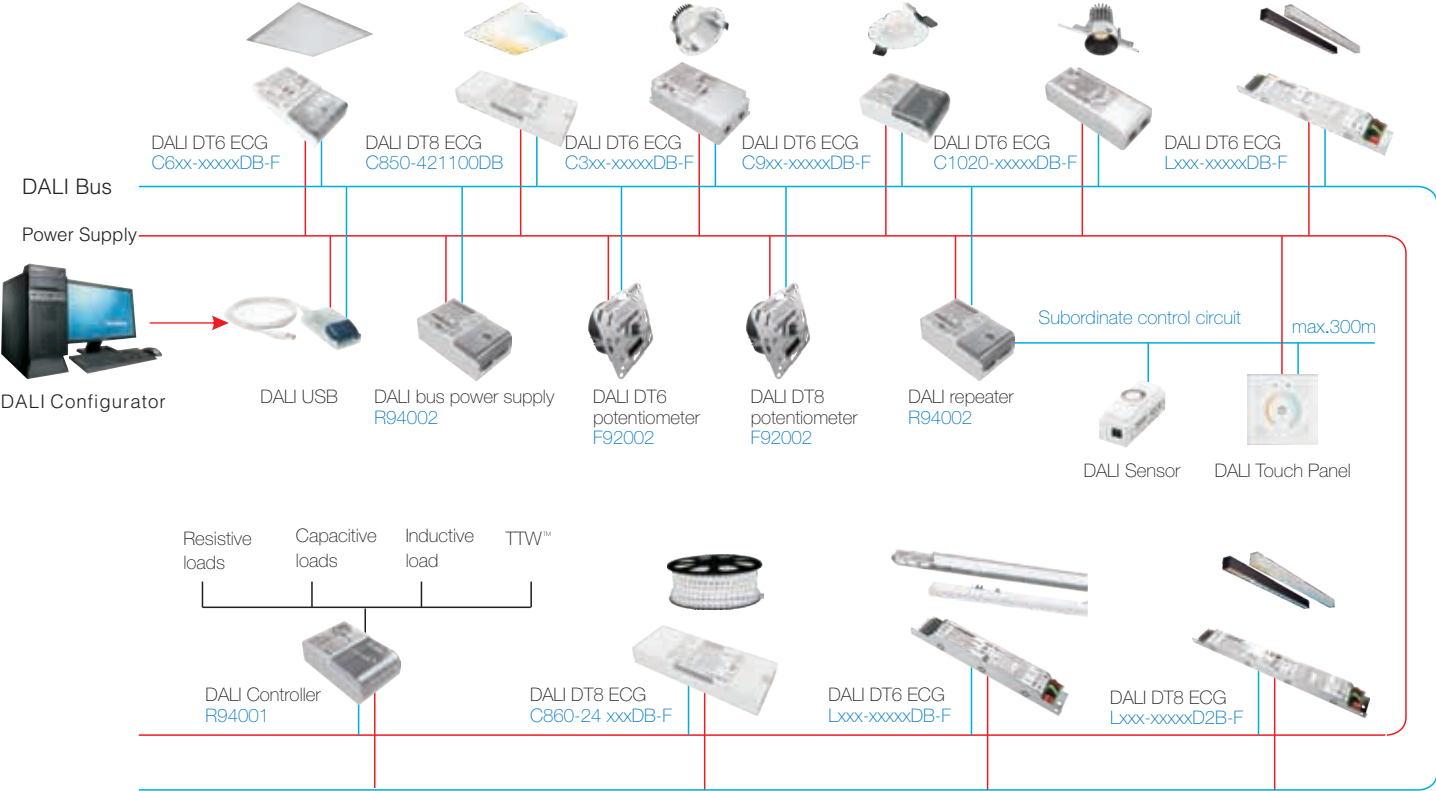
8. **What to do if there is no response to DALI broadcast from system**

If your system / connected loads do not respond correctly to your DALI broadcast command you can start to diagnose the problem from the observations you make.
Below you will find some tips to get you started. (these are not 100% guaranteed solutions, they are meant as helpful hints)

1. None of my loads responds
 - Check the DALI signal by measuring between 16V DC and 22.5V DC on the DALI cable
 - If lights are off check mains power is connected to the loads2.
2. Only some of my loads respond
 - Check mains power is connected to the loads that are off
 - Check the DALI signal with your multi-meter at the terminals of the loads that are not working
 - Check the lamp(s)
3. Only one load does not respond, everything else is OK
 - Check mains power is connected to the load that is off
 - Check the DALI signal with your multi-meter at the terminal of the load that does not respond
 - Check the lamp(s)

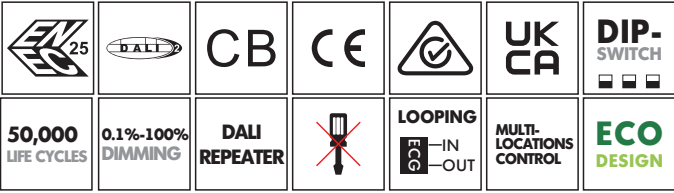
These tips are for basic fault finding covering the most common site issues. If you are in doubt and need further assistance, please contact your local LEDGEAR sale representative, or KL37@Kinglumi.com

9. **LEDGEAR® DALI System Components**



DALI 2 control devices

Repeater, Bus power supply,
Controller, Potentiometer



DALI repeater & PS

DALI repeater and DALI bus power supply 2in1 design,
through wiring at primary side; universal input



Product code	Housing	Max. load	Load type	Max. Wiring length	Reaper mode	DALI PS current	DALI PS voltage	Dimension
		pcs		m	m	mA	Vdc	mm
R94002	C4	64	DALI devices	300	extendto 600	Max.200	9.5-18	85x52x29.5



DALI controller

DALI2 & Push-DIM to Universal load(RCL + TTW™)
integrated DALI power supply

Product code	Housing	Max. load	Load type	Dimming range	DALI PS current	DALI PS voltage	Standby power	Dimension
		w		%	mA	Vdc	w	mm
R94001	C9	250	R, C, L, TTW	1-100	Max.92	9.5-16.5	0.5	87.5x60x27

DALI potentiometer

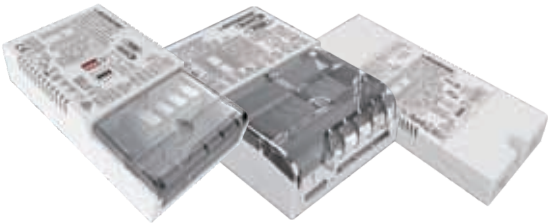
DALI2 DT6 & DT8 Tc 2in1; integrated DALI power supply;
mater & slave mode



Product code	Working mode	Max.load	Load type	Dimming range	DALI PS current	DALI PS voltage	Standby power	Dimension
		pcs		%	mA	Vdc	w	mm
F92002	Maser,slave	46	Dt6, DT8Tc	0.1-100	Max.92	10-16.5	0.5	70.8x70.8x45.8

DALI 2 Pro Collection

DALI 2, Push-DIM, with looping, quick installation;
adjust output current; ErP 2024



Features

- Premium Dimming: Supports DALI and Push-DIM.
- Wide dimming range: 1%-100%
- DALI member: Compatible with universal DALI approved devices.
- Looping Design: At primary side, DALI and Push-DIM connection
- Adjustable current output: Customizable via DIP switches.
- Constant Light Output (CLO) function on request.
- Flicker-Free Lighting: <3% flicker, IEEE1789 compliant.
- Independent ECG with tool-less strain-relief for enhanced durability.
- Enhanced amplitude dimming technology for superior lighting control.
- Permanent memory for DALI & Push dimming settings.
- High-temperature resistance: Tested up to 850°C for 5 seconds.
- Reliable & safe: Complies with Class II, SELV, EN 61347.
- Wide operating temperature: -25°C to +45°C.
- Long lifespan: 50,000 hours.
- Warranty & support: 5-year guarantee, lifetime technical assistance.

Benefits

- Customizable output current for inventory efficiency
- Energy savings(standby<0.5W)
- Flicker free,< 3% flicker percentage
- Easy, quick installation
- Convenient through wiring
- CLO with L100 for environmental and energy benefits

Connection Interfaces

- DALI DT6, Push-DIM
- Strain relief with through wiring function
- Terminal blocks: push-fit terminals

Protection Functions

- Over current
- Over voltage
- Short circuit
- Over temperature

Application

Suitable for spotlights, downlights, panel lights, pendant lights, wall sconces, ceiling lights, cove lighting, and more.

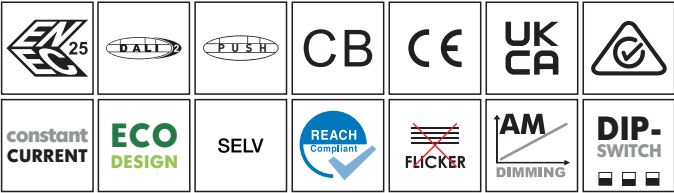
NFC, PCR Housing
version under development

Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Output levels	Pst	SVM	Flicker %	Dimension
		W	%	mA	Vdc					mm
C916-40350DB-F	C9	14	1-100	120-350	14-40	7	<0.8	<0.3	<3%	87.5x60x27
C922-40500DB-F	C9	19	1-100	300-500	14-40	7	<0.8	<0.3	<3%	87.5x60x27
C628-42600DB-F	C6	25	1-100	250-600	14-42	8	<0.8	<0.3	<3%	130.5x73x29.8
C650-421100DB-F	C6	42	1-100	650-1100	14-42	10	<0.8	<0.3	<3%	130.5x73x29.8
C665-421500DB-F	C6	57	1-100	1150-1500	14-40	8	<0.8	<0.3	<3%	130.5x73x29.8
C850-421100DB-F	C8	42	1-100	350-1100	14-42	9	<0.8	<0.3	<3%	200x73x29.8

DT8

One4all Collection

DALI 2, Push-DIM, 1-10V, 10V PWM, Rx;
adjust output current; w/o looping; ErP 2024



Features

- Versatile Dimming: Supports DALI, Push-DIM, 1-10V, Resistance.
- Wide dimming range: 0.1%-100% (DALI, Push); 5%-100% (others).
- DALI member: Compatible with universal DALI approved devices.
- Adjustable current output: Customizable via DIP switches.
- Constant Light Output (CLO) function on request.
- Flicker-Free Lighting: <3% flicker, IEEE1789 compliant.
- Independent ECG with tool-less strain-relief for enhanced durability.
- Enhanced amplitude dimming technology for superior lighting control.
- Permanent memory for DALI & Push dimming settings.
- High-temperature resistance: Tested up to 850°C for 5 seconds.
- Reliable & safe: Complies with Class II, SELV, EN 61347.
- Wide operating temperature: -25°C to +45°C.
- Long lifespan: 50,000 hours.
- Warranty & support: 5-year guarantee, lifetime technical assistance.
- Sustainable packaging without plastic.

Benefits

- Customizable output current for inventory efficiency
- Energy savings(standby<0.5W)
- Flicker free,< 3% flicker percentage
- Easy, quick installation

Connection Interface

- DALI DT6, Push-DIM, 1-10V(10V PWM, Rx)
- Strain relief end cap
- Terminal blocks: push-fit terminals

Protection Functions

- Over current
- Over voltage
- Short circuit
- Over temperature

Application

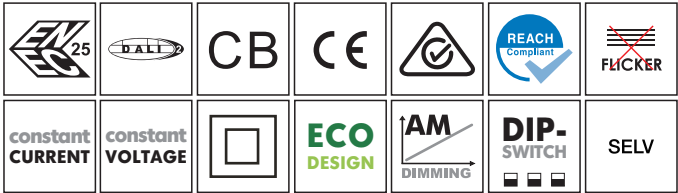
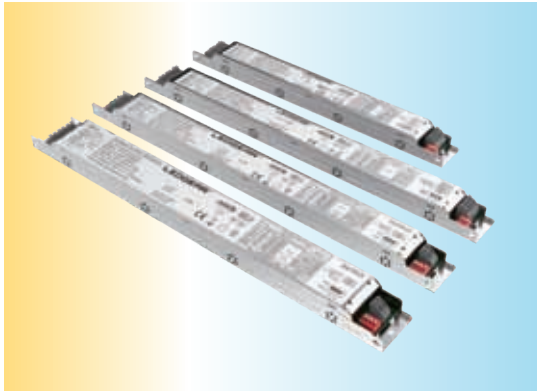
Suitable for spotlights, downlights, panel lights, pendant lights, wall sconces, ceiling lights, cove lighting, and more.

NFC, PCR Housing
version under development

Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Output levels	Pst	SVM	Flicker %	Dimension
		W	%	mA	Vdc					mm
C1020-361050DB-F	C10	20	0.1-100	300-1050	6-36	16	<0.8	<0.3	<3%	110x50x22
C1020-52550DB-F	C10	20	0.1-100	120-550	6-52	16	<0.8	<0.3	<3%	110x50x22
C328-42600DB-F	C3	25	1-100	250-600	14-42	10	<0.8	<0.3	<3%	125x76x30
C350-42110DB-F	C3	46	1-100	650-1100	14-42	10	<0.8	<0.3	<3%	125x76x30

DALI 2 Device Type 8 collection

DALI 2 ; adjust output current;
ErP 2024



Features

- For tunable white as well as for 2-channel DALI 2 DT6 use
- Tunable White from 1000K to 10000K
- 1%-100% dimming range
- Constant Light Output (CLO) function on request
- Adjustable constant output current by DIP switches
- EcoDesign Directive (EU) 2019/2020 compliant
- Flicker-Free Lighting: <3% flicker, IEEE1789 compliant.
- Permanent memory for DALI
- Enhanced amplitude dimming technology for superior lighting control
- Reliable & safe: Complies with Class II, SELV, EN 61347
- Wide operating temperature: -20°C ~ +50°C
- Warranty & support: 5-year guarantee, lifetime technical assistance
- Sustainable packaging without plastic.

Benefits

- Customizable output current for inventory efficiency
- Energy savings(standby<0.5W)
- Flicker free,< 3% flicker percentage
- Easy installation
- CLO with L100 benefits both the environment and your finances

Connection Interfaces

- DALI DT8 To
- WW+,WW-; CW+,CW-
- Terminal blocks: push-fit terminals

Protection Functions

- Over current
- Over voltage
- Short circuit
- Over temperature

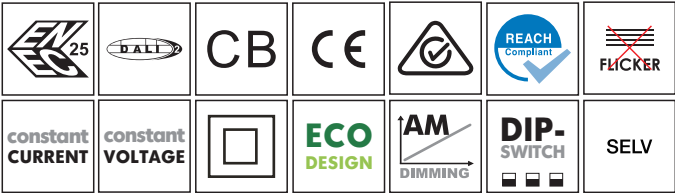
Application

Suitable for linear lighting fixtures, troffers, LED strips, architectural lighting, cove lighting, pendant lights, and more.

	Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Output levels	Pst	SVM	Flicker	Dimension
			W	%	mA	Vdc					mm
DT8	L530-50500D2B-F	L5	25	1-100	150-500	24-54	8	<0.8	<0.3	<3%	285x30x21
DT8	L650-50900D2B-F	L6	45	1-100	550-900	24-50	8	<0.8	<0.3	<3%	355x30x21
DT8	L665-501250D2B-F	L6	56	1-100	900-1250	24-50	8	<0.8	<0.3	<3%	355x30x21
DT8	L775-501500D2B-F	L7	68	1-100	1150-1500	24-50	8	<0.8	<0.3	<3%	355x36.5x23

DALI 2
Isolated constant current &
constant voltage collection

DALI 2, Push-DIM; adjust output current;
cc: 24-50V & cv: 48V; ErP 2024



Features

- Dimmable by DALI 2 DT6
- 1%-100% dimming range
- Constant Light Output (CLO) function on request
- Constant current output, and 48V constant voltage 2in1 design
- Adjustable output current by DIP switches
- EcoDesign Directive (EU) 2019/2020 compliant
- Flicker-Free Lighting: <3% flicker, IEEE1789 compliant.
- Permanent memory for DALI
- Enhanced amplitude dimming technology for superior lighting control
- Reliable & safe: Complies with Class II, SELV, EN 61347
- Wide operating temperature: -20°C ~ +50°C
- Warranty & support: 5-year guarantee, lifetime technical assistance
- Sustainable packaging without plastic.

Benefits

- Customizable output current for inventory efficiency
- Energy savings(standby<0.5W)
- Flicker free, < 3% flicker percentage
- Easy installation
- CLO with L100 benefits both the environment and your finances

Connection Interfaces

- DALI DT6
- Terminal blocks: push-fit terminals

Protection Functions

- Over current
- Over voltage
- Short circuit
- Over temperature

Application

Suitable for linear lighting fixtures, troffers, LED strips, architectural lighting, cove lighting, pendant lights, under-cabinet lighting, and more.

Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Output levels	Pst	SVM	Flicker	Dimension
		W	%	mA	Vdc					mm
L324-40500DB-F	L3	20	1-100	350-500	20-40	4	<0.8	<0.3	<3%	195x30x21
L438-40800DB-F	L4	32	1-100	500-800	20-40	7	<0.8	<0.3	<3%	245x30x21
L558-401250DB-F	L5	47.5	1-100	900-1250	20-40	8	<0.8	<0.3	<3%	285x30x21
L430-50500DB-F	L4	25	1-100	150-500	24-50;48V	8	<0.8	<0.3	<3%	245x30x21
L550-50900DB-F	L5	45	1-100	550-900	24-50;48V	8	<0.8	<0.3	<3%	285x30x21
L665-501250DB-F	L6	56	1-100	900-1250	24-50;48V	8	<0.8	<0.3	<3%	355x30x21
L775-501500DB-F	L7	68	1-100	1150-1500	24-50;48V	8	<0.8	<0.3	<3%	355x36.5x23

DALI 2
Non-isolated collection

DALI 2, Push-DIM; 16 levels adjust output current; ErP 2024;
the best solution for high voltage lighting systems.



Features

- Non-SELV Constant Current LED Drivers: 50W to 150W options.
- Dimmable by DALI 2 Dt6
- 1%-100% dimming range
- Constant Light Output (CLO) function on request
- Constant current output built-in linear led driver
- Adjustable output current by DIP switches
- EcoDesign Directive (EU) 2019/2020 compliant
- Flicker-Free Lighting: <3% flicker, IEEE1789 compliant.
- Permanent memory for DALI
- Enhanced amplitude dimming technology for superior lighting control
- Reliable & safe: Complies with Class II, SELV, EN 61347
- Wide operating temperature: -20°C ~ +50°C
- Warranty & support: 5-year guarantee, lifetime technical assistance
- Sustainable packaging without plastic.

Benefits

- Customizable output current for inventory efficiency
- Energy savings(standby<0.5W)
- Flicker free, < 3% flicker percentage
- Easy installation
- CLO with L100 benefits both the environment and your finances

Connection Interfaces

- DALI DT6
- Terminal blocks: push-fit terminals

Protection Functions

- Over current
- Over voltage
- Short circuit
- Over temperature

Application

Suitable for linear lighting fixtures, troffers, architectural lighting, cove lighting, pendant lights, and more.

Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Output levels	Pst	SVM	Flicker	Dimension
		W	%	mA	Vdc					mm
L440-50850DB-F	L4	35	1-100	100-850	20-50	16	<0.8	<0.3	<3%	245x30x21
L550-200500DB-F	L5	50	1-100	100-500	50-200	16	<0.8	<0.3	<3%	285x30x21
L575-250600DB-F	L5	75	1-100	150-600	50-250	16	<0.8	<0.3	<3%	285x30x21
L6100-300700DB-F	L6	100	1-100	250-700	80-300	16	<0.8	<0.3	<3%	355x30x21
L8150-300800DB-F	L8	150	1-100	350-800	80-300	16	<0.8	<0.3	<3%	359x30x28

For more information visit www.kinglumi.com/product/smart-lighting/dali-2-products

DALI 2 Luminaires with Integrated Drivers



230V AC 50Hz	DF 0.95	CE		CB		
UK CA	ECO DESIGN	ERPD 2024	DIP- SWITCH	C Ra 90 LS	D Ra 90 LS	E Ra 90 LS
	50,000hrs L90B50	100,000hrs L70B10				

Smarter G3



Product code	Power W	Lumen lm	Ra	Beam Angle °	DxLxH mm
4.TR.072.C32	15	1400	90	15/24/38/60	70x122x133
4.TR.073.C24	22	2200	90	15/24/38/60	85x155x150
4.TR.074.C32	35	3600	90	15/24/38/60	100x173x165
4.TR.074.C33	40	3800	90	15/24/38/60	100x173x165
4.TR.072.U32	15	1610	90	15/24/38/60	70x122x133
4.TR.073.U24	22	2390	90	15/24/38/60	85x155x150
4.TR.074.U32	35	3300	90	15/24/38/60	100x173x165
4.TR.074.U33	40	4070	90	15/24/38/60	100x173x165

Note:
CCT available in 3000K, 3500K, 4000K; System lumen measured at 4000K;
Finish available in texture black and texture white.
[Page 42 for Phase-cut control](#)

Waterdrop G3



Product code	Power W	Lumen lm	Ra	Beam Angle °	DxLxH mm
4.TR.068.C50	15	1400	90	15/24/38/60	100x108x184
4.TR.068.C43	22	2200	90	15/24/38/60	100x108x184
4.TR.069.C29	35	3600	90	24/38/60	111x141x199
4.TR.069.C30	40	3800	90	24/38/60	111x141x199
4.TR.068.U50	15	1610	90	15/24/38/60	100x108x184
4.TR.068.U43	22	2390	90	15/24/38/60	100x108x184
4.TR.069.U29	35	3300	90	24/38/60	111x141x199
4.TR.069.U30	40	4070	90	24/38/60	111x141x199

Note:
CCT available in 3000K, 3500K, 4000K; System lumen measured at 4000K;
Finish available in texture black and texture white.
[Page 55 for Phase-cut control](#)

Meta E



Product code	Power W	Lumen lm	Ra	Beam Angle °	DxLxH mm
4.TR.093.U05	15-10-5	1300	90	15/24/38/60	60x105x133
4.TR.094.U05	25-20-15	2420	90	15/24/38/60	70x135x160
4.TR.095.U05	35-30-25	3450	90	15/24/38/60	80x160x170
4.TR.093.D05	15-10-5	1250	90	15/24/38/60	60x105x133
4.TR.093.D05	25-20-15	2050	90	15/24/38/60	70x135x160
4.TR.093.D05	35-30-25	3000	90	15/24/38/60	80x160x170

Note:
CCT available in 3000K, 3500K, 4000K; System lumen measured at 4000K;
Finish available in texture black and texture white.
[Page 33 for Phase-cut control](#)

230V AC 50Hz	DF 0.95	CE		CB		
UK CA	ECO DESIGN	ERPD 2024	DIP- SWITCH	D Ra 82 LS	E Ra 90 LS	
50,000hrs L70B10						

Milo Wallwasher



Product code	Power W	Lumen lm	Ra	Beam Angle °	DxLxH mm
4.TR.078.P18	50-40-30	6000-4800-3900	82	60X90	237x64x198
4.TR.078.P18	50-40-30	5050-4000-3300	90	60X90	237x64x198

Note:
Other CCT available on request; System lumen measured at 4000K;
Finish available in texture black and texture white.
[Page 51 for ON/OFF control](#)

Xline Plus Linear Light System



Various Distributions Continuous Installation

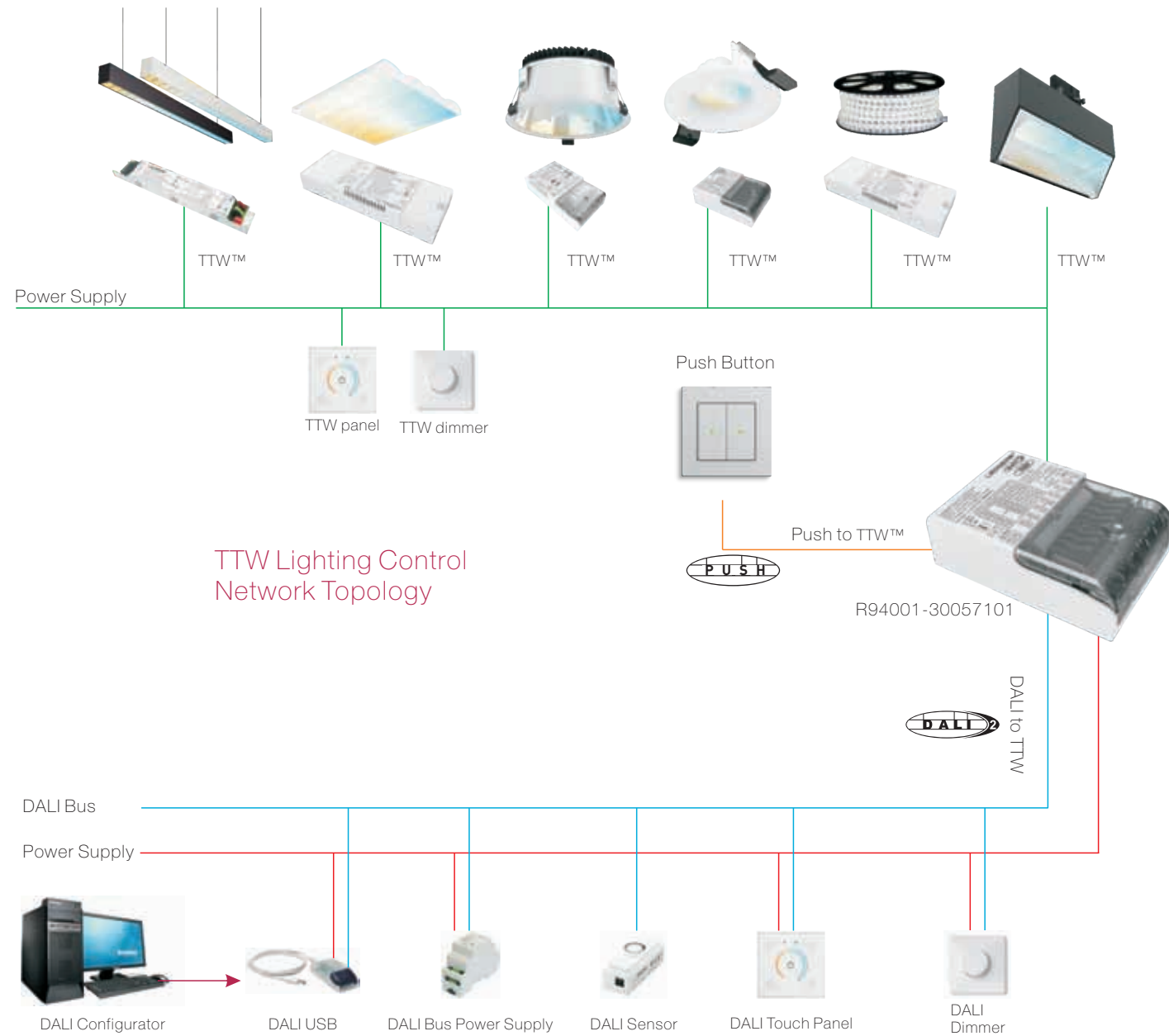
Product code	Length(mm)	System Power(W)	Lumen(lm)	Up/Down Light(%)	Down Light Beam Angle(°)	Up Light Beam Angle(°)	Continuous
4.TR.043.VT01	1167	30	3500	0% : 100%	110 85x85 80 30x70 55x90	110	Continuous Independent
4.TR.043.VT03	1167	30	3500	30% : 70%			
4.TR.043.VT05	1167	45	5300	0% : 100%			
4.TR.043.VT07	1167	45	5300	30% : 70%			
4.TR.043.VT09	2330	45	5300	0% : 100%			
4.TR.043.VT11	2330	45	5300	30% : 70%			
4.TR.043.VT13	2330	90	10500	0% : 100%			
4.TR.043.VT15	2330	90	10500	30% : 70%			

Note:
CCT available in 300K, 4000K, 5000K with Ra82; System lumen measured at 4000K;
Finish available in texture black and texture white.
[Page 79 for 1-10V control](#)

Kinglumi TTW™ smart tunable white technology and products

After years of development, Kinglumi launches its innovative & breakthrough of TTW™ technology, which enables easier to upgrading to tunable white lighting control for indoor application. With this technology, the existing Live and Neutral wires is already enough to achieve the dimming, colour tuning and switching, No extra cabling and NO commissioning required. To enjoy the latest human centric lighting, you just need to replace the luminarie or drivers & dimmer with TTW™ technology.

TTW™ is the best solution and highest performance-price ratio for tunable white lighting, especially for traditional house where there only have L/N. Compare to wireless or DALI control, it's more affordable thanks to the lower installation cost and products price. Using Kinglumi DALI controller(R94001-30057101), it will enable you to connect the TTW™ to the DALI system or Push-dim technology.

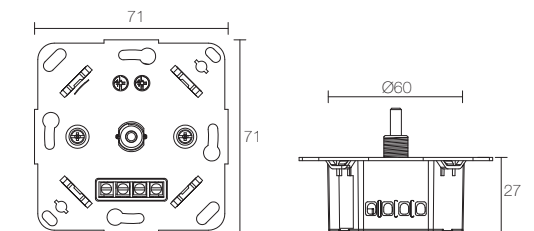
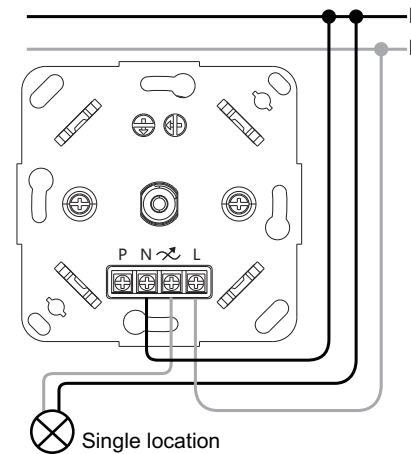
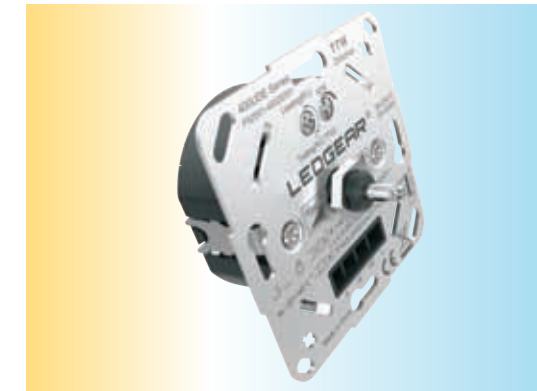


Benefits of TTW™

- **Simplicity:** Utilizes existing L and N cables for dimming.
- **Zero Commissioning:** Eliminates labor and cost for commissioning.
- **Cost Efficiency:** Reduces luminary and control system expenses.
- **Signal Reliability:** No need for antennas, avoids signal interference in metal conduits or luminaries.
- **Space-Saving:** Compact driver design for smaller cut-out holes.

LEDGEAR®

4in1 Flush Rotary Dimmer
Universal + Kinglumi TTW™



Product code	Load Type & Load Range @Ta=25°C	Dimming range	Standby power	No Load Power	Multi locations Control
	W	%	W	W	mm
F92002-04638301	Resistive: 3-400W; Leading/Trailing:3-300W; TDV/TM: 2-200W	0.1*-100	Typ. 0.5	Typ. 0.5	by Push-DIM

Note:
Dimming level depends on dimmer and LED driver compatibility.

- ## Features

- Compatibility: Works with leading, trailing, Kinglumi TTW™ systems.
- Customizable Dimming: Manual dimming for various loads.
- Extension Push-Button: Supports dimming/switching extensions.
- Dimming to OFF: Dims most LED luminaries completely OFF.
- Memory Function: Saves last/brightness settings.
- Soft Start: Customizable soft start (factory preset only).
- Wide Cable Compatibility: Accepts 0.75mm² to 2.5mm² AC wires.
- Compliance: Complies with EU EcoDesign Directive 2019/2020.
- European Compatibility: Fits European flush boxes.
- Operating Temperature: Works from 0°C to +50°C.
- Warranty and Support: 5-year factory guarantee, lifetime tech support.
- Sustainable packaging without plastic.

Benefits

- Efficient 4in1 design for reduced inventory management.
- Cost-effective tunable white lighting with top-tier performance.
- No need of additional wires(only needs L, N), simplifying installation.
- Energy-efficient standby power consumption below 0.40W.
- High compatibility with standard European dimmer covers.

Connection Interfaces

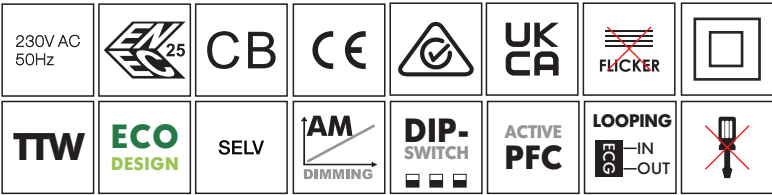
- L, x, N, Push-DIM

Protection Functions

- The device provides the following protective functions:
- Inrush current limitation through soft start
- Electronic overload, over temperature protection
- Electronic short-circuit protection
- Integrated thermal fuse
- Electronic over voltage

Application

Suitable for private homes, conference rooms, hotels, shop lighting, and restaurants.



Features

- Dimmable & Tunable with Kinglumi TTW™
- 1%-100% dimming range
- Looping at Primary (L, N)
- Adjustable constant current output
- EcoDesign compliant
- Tool-less installation, through wiring
- Permanent memory
- Enhanced amplitude dimming
- Wide operating range: -20°C to +40°C
- Reliable, Class II, SELV compliant
- 5-year factory guarantee, lifetime tech support
- Sustainable packaging without plastic.

Benefits

- Adjustable current cuts inventory
- Energy-efficient standby power (<0.50W)
- Flicker-free (less than 3% flicker)
- Through wiring for convenience
- Easy, quick installation
- Min. 66mm cut-out for recessed downlights

Connection Interfaces

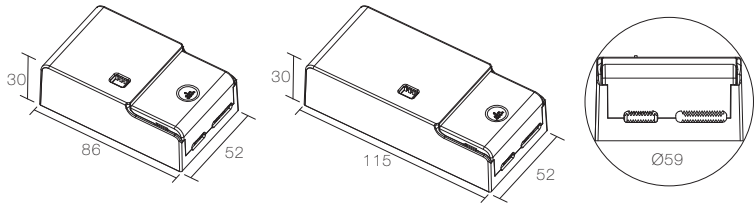
- Kinglumi TTW[2 x (L,N)]
- Strain relief with through wiring function
- Terminal blocks: push-fit terminals

Protection Functions

- Over current
- Over voltage
- Short circuit
- Over temperature

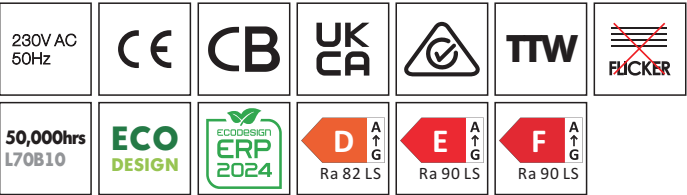
Application

For indoor lighting in residential, retail and hospitality settings



Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Output levels	Pst	SVM	Flicker %	Dimension
		W	%	mA	Vdc					mm
C410-40220DB-F	C4	8,8	1-100	120-350	14-40	4	<0.8	<0.3	<3%	86x52x30
C418-40350DB-F	C4	14	1-100	280-600	14-40	3	<0.8	<0.3	<3%	86x52x30
C528-40600DB-F	C5	24	1-100	400-600	14-40	3	<0.8	<0.3	<3%	115x52x30
C538-40900DB-F	C5	34.2	1-100	700-900	14-40	3	<0.8	<0.3	<3%	86x52x30

TTW™
Tunable White
Luminaires



Milo Downlight

K&L Code	Cut-out (mm)	Light Source Pon(W)	Beam Angle (°)	Lumen Output(lm) Specular Reflector	DxdxH(mm)
4.DL.153.V06	105	12.25	85	1322	124x102x84
4.DL.154.V06	125	12.25	85	1363	150x123x95
4.DL.155.V06	150	12.25	85	1411	172x144x106
4.DL.155.V06	165	12.25	85	1411	172x144x106
4.DL.156.V05	200	17.5	85	2074	221x192x109
4.DL.156.V06	200	28	85	3200	221x192x109
4.DL.156.V07	200	35	85	4009	221x192x109
4.DL.157.V05	250	17.5	85	2124	274x245x113
4.DL.157.V06	250	28	85	3412	274x245x113
4.DL.157.V07	250	35	85	4184	274x245x113
4.DL.158.V05	300	17.5	85	2293	320x291x113
4.DL.158.V06	300	28	85	3400	320x291x113
4.DL.158.V07	300	35	85	4348	320x291x113



Saturn Downlight

K&L Code	Lumen(lm)	Ra	CCT(K)	Beam Angle(°)	Pon(W)	Cut-out(mm)	Finish
4.DL.170.A1x	800	90	2700-5000	38, 60	9	75-85	WH
4.DL.170.A2x	570	90	2700-5000	38, 60	6.48	75-85	WH
4.DL.170.A3x	480	90	2700-5000	38, 60	5.04	75-85	WH



Note:
* Works with LEDGEAR TTW, DALI DT8, Zigbee or Bluetooth 2 channel drivers.

Evolite Downlight

K&L Code	Lumen(lm)	Ra	CCT(K)	Beam Angle(°)	Pon(W)	Cutout(mm)	Finish
KL-DL-127.A06	800	90	2700-5000	38, 60	9	66-75	WH/BK
KL-DL-136.A0*	570	90	2700-5000	38, 60	6.48	62-75	WH/BK



Note:
* Works with LEDGEAR TTW, DALI DT8, Zigbee or Bluetooth 2 channel drivers.

Rocket MR16 Module

K&L Code	Lumen(lm)	Ra	CCT(K)	Beam Angle(°)	Pon(W)	Finish	Dimensions(mm)
4.MR.108.A1x	800	90	2700-5000	38, 60	9	Grey	D50xH65
4.MR.108.A2x	570	90	2700-5000	38, 60	6.48	Grey	D50xH53
4.MR.108.A3x	480	90	2700-5000	38, 60	5.04	Grey	D50xH25



Note:
* Works with LEDGEAR TTW, DALI DT8, Zigbee or Bluetooth 2 channel drivers.

1-10V Linear Driver

Isolated constant current
1-10V, 10V PWM, Rx;
adjust output current;
ErP 2024



110-277V AC 50/60Hz	DF 0.95	CE	CB	UK CA		
constant CURRENT	1-10V	DIP- SWITCH 	 40,000hrs	SELV	 FLICKER	ECO DESIGN

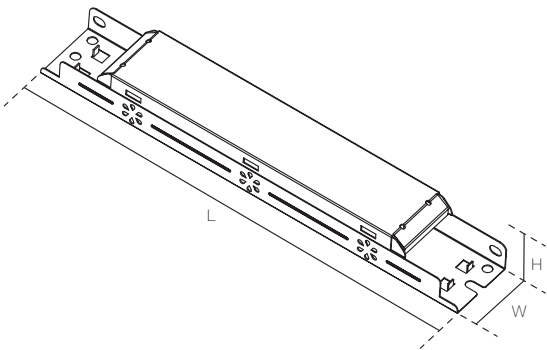
The LEDGEAR® isolated SELV 1-10V, 10V PWM, and Additive Resistance 3in1 dimming linear drivers excel in linear lighting systems, emphasizing quality of light, reliability, and adaptability. This versatile product line also includes DALI 2 dimming support, and the LEDGEAR® L3, L4, L5 and L6 drivers feature built-in control gear with convenient screw-fixing holes for luminaire integration. With adjustable output currents via DIP switches, you can fine-tune the constant output to accommodate different power LED modules, reducing inventory and expediting projects. Additionally, these drivers provide Amplitude Modulation (AM, or CCR) current output, guaranteeing a high-quality, flicker-free light suitable for demanding environments like TV studios and security camera setups.

Application

For LED linear light in office, education, supermarket, public building and hospitality applications

Features & Benefits

- Small, compact dimensions
- 1-10V, 10V PWM, and Rx 3in1 design
- Class II protection against electric shock for direct or indirect contact according EN 61347
- Constant current output
- Specific, optimized output current and voltage
- Fast time to market
- Built-in active PFC, high power factor
- Flicker free (except phase-cut version), low THDi
- Sustainable packaging without plastic.



Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Output levels	Pst	SVM	Flicker	Dimension
		W	%	mA	Vdc					mm
L324-40500VD-F	L3	20	1-100	350-500	20-40	4	<0.8	<0.3	<3%	195x30x21
L438-40800VD-F	L4	32	1-100	500-800	20-40	7	<0.8	<0.3	<3%	245x30x21
L558-401250VD-F	L5	47.5	1-100	900-1250	20-40	8	<0.8	<0.3	<3%	285x30x21
L430-54500VD-F	L4	24.5	1-100	200-500	30-54	7	<0.8	<0.3	<3%	245x30x21
L555-54900VD-F	L5	44	1-100	550-900	30-54	8	<0.8	<0.3	<3%	285x30x21
L670-501250VD-F	L6	62.5	1-100	900-1250	32-50	8	<0.8	<0.3	<3%	355x30x21

035 mini housing
Phase-cut dimmable

Isolated constant current
ErP 2024



230V AC 50Hz						LOOPING ECG IN-OUT
CE		CB	UK CA	SELV		
constant CURRENT	 40,000hrs	ECO DESIGN				

Dimming: Phase-cut

A super compact high quality independent LED driver with through wiring function

There are 3x1.5mm² push fit terminals for loop through with tool-less installation strain relief mechanical structure. Also, a 100mm length cable with 5521 (female) DC connector provided for easy connecting to LED module, positioned and designed to reduce installation time/cost. It supplies constant current output, with 220-240VAC input. The compact size allow it to be inserted into a Min. 38mm cutout hole.

Application

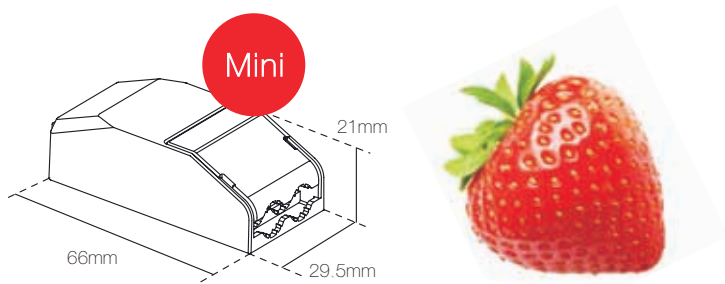
For spot light and downlight in residential, retail and hospitality applications

Features & Benefits

- Constant current output
- Reliable, Class II, SELV according EN 61347
- Strain-relief and loop through function for quick installation.
- Through wiring with 6-hole push-fit type terminal(L,N,X,X,N,L)
- Permissible AC cable 0.75-1.5mm² wire gauge
- Working Ta= -20°C ~ +40°C
- Suitable for Min. diameter 38mm cutout hole
- Sustainable packaging without plastic.

Protection Functions

- Over current
- Over voltage
- Short circuit
- Over temperature



Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Pst	SVM	Displacement Factor	Dimension
		W	%	mA	Vdc				mm
4.DR.035.003	035	3.6	0.1-100	180	3.6W	<1.0	<0.4	0.85	110x50x22

C4, C5 Housing Driver

Isolated constant current
1-10V, 10V PWM, Rx; Phase-cut, ON/OFF
adjust output current;
ErP 2024

110-277V AC 50/60Hz	230V AC 50Hz	CE	CB	UK CA		
constant CURRENT	1-10V			LOOPING IN-OUT	ACTIVE PFC	DIP- SWITCH
				SELV		IP20
ECO DESIGN	 50,000hrs	PF 0.95				

Application

For spot light and downlight in retail and hospitality applications
For panel light and area light in office and education application

Features & Benefits

- Flexibility & Optimized Inventory
- Universal input voltage 110-277VAC(1-10V)
 - Output wattage from 6W to 50W
 - Wattage selectable by 3xDIP switches.
 - Push-fit secondary terminals for LED module wires

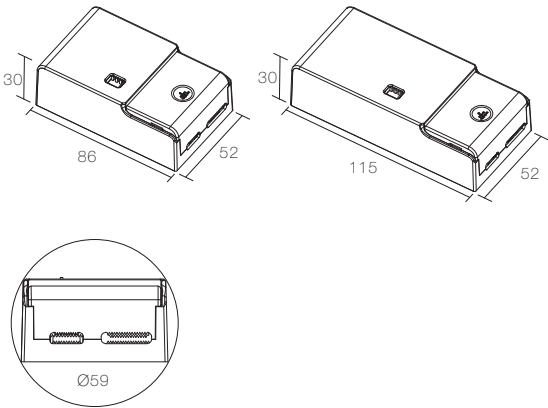
Human Centric Design

- Easy & Quick connection with push-fit terminals and clip-on end cap for strain relief
- Large wiring space
- Loop in and loop out function, max.2.5mm2 cross section L, L, N, N stranded wire or solid wire
- Loose wiring inspection don't need to open the transparent end cap
- Sustainable packaging without plastic.

Protection Functions

- Over current
- Over voltage
- Short circuit
- Over temperature

Color of Housing: White
Color of Cable: not included



LEDGEAR® Phase-cut Dimming

Adjustable output current,
Quick installation with looping
5%-100% dimming, ErP 2024

Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Output levels	Pst	SVM	Flicker %	Dimension
		W	%	mA	Vdc					mm
C412-21500TB-F	C4	9.0	5-100	250-500	14-21	6	<0.8	<0.3	<8%	86x52x29.5
C418-21750TB-F	C4	14.7	5-100	500-7500	14-21	6	<0.8	<0.3	<8%	86x52x29.5
C410-38220TB-F	C4	8.4	5-100	120-220	30-38	6	<0.8	<0.3	<8%	86x52x29.5
C415-38350TB-F	C4	13.3	5-100	250-350	30-38	5	<0.8	<0.3	<8%	86x52x29.5
C532-40700TB-F	C5	28	5-100	400-700	30-40	7	<0.8	<0.3	<8%	115x52x29.5
C540-401000TB-F	C5	38	5-100	700-1000	30-40	7	<0.8	<0.3	<8%	115x52x29.5

LEDGEAR® 1-10V, 10V PWM, Rx Dimming

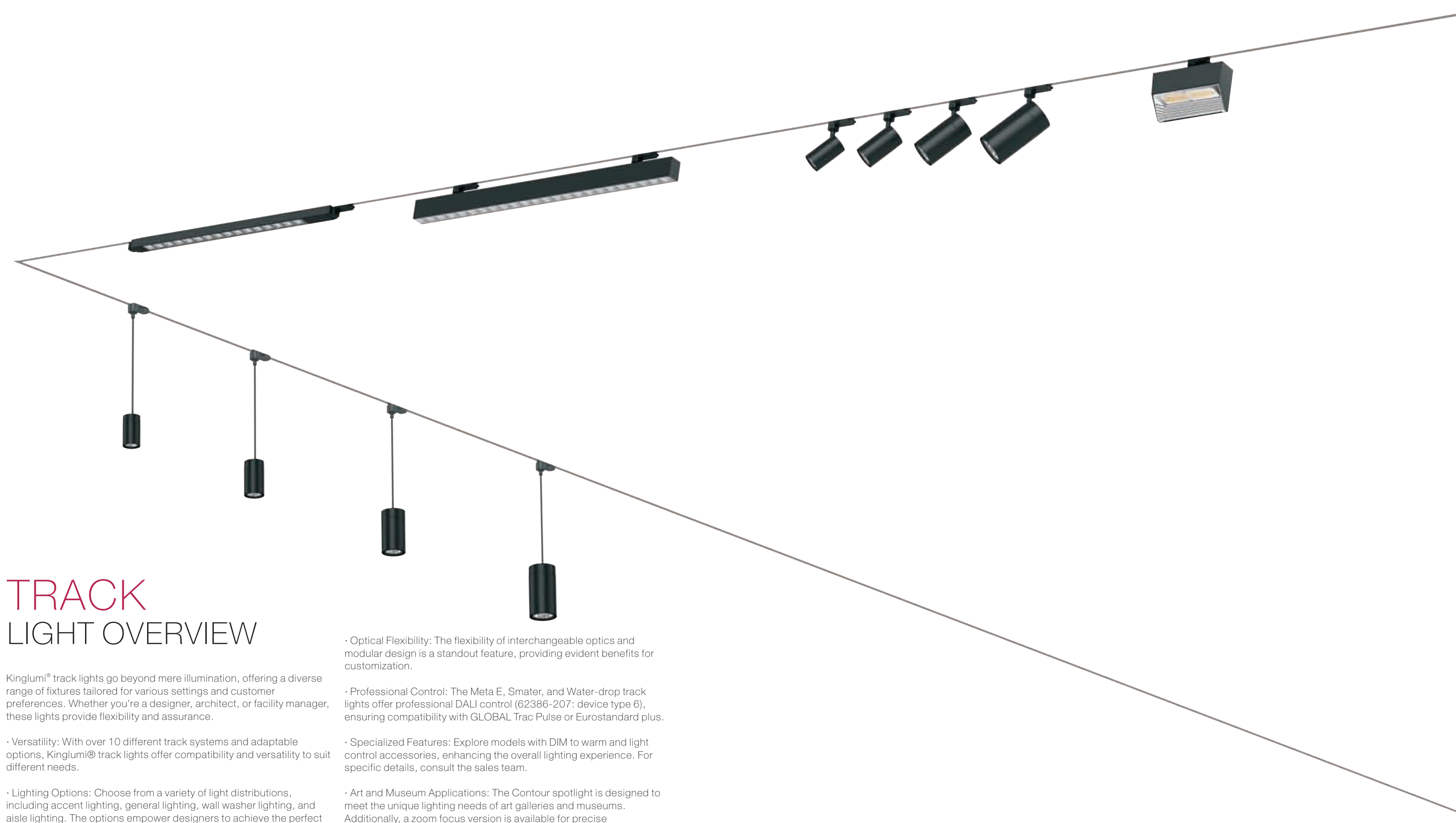
Adjustable output current,
Quick installation with looping
110-277Vac, ErP 2024

Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Output levels	Pst	SVM	Flicker %	Dimension
		W	%	mA	Vdc					mm
C418-42350VD-F	C4	14.7	10-100	160-350	14-42	6	<0.8	<0.3	<3%	86x52x29.5
C550-421100VD-F	C5	41.8	10-100	400-1100	14-42	8	<0.8	<0.3	<3%	115x52x29.5

LEDGEAR® ON/OFF

Adjustable output current,
Quick installation with looping
Flicker free, ErP 2024

Product code	Housing	Output power	Dimming range	Output current range	Output voltage range	Output levels	Pst	SVM	Flicker %	Dimension
		W	%	mA	Vdc					mm
C428-40600B-F	C4	24	Non-dim	250-600	24-40	8	<0.8	<0.3	<3%	86x52x29.5
C445-401000B-F	C4	38	Non-dim	650-1000	24-40	8	<0.8	<0.3	<3%	86x52x29.5



TRACK LIGHT OVERVIEW

Kinglumi® track lights go beyond mere illumination, offering a diverse range of fixtures tailored for various settings and customer preferences. Whether you're a designer, architect, or facility manager, these lights provide flexibility and assurance.

- Versatility: With over 10 different track systems and adaptable options, Kinglumi® track lights offer compatibility and versatility to suit different needs.
- Lighting Options: Choose from a variety of light distributions, including accent lighting, general lighting, wall washer lighting, and aisle lighting. The options empower designers to achieve the perfect ambiance for each project.
- Energy Efficiency: Benefit from energy savings and reliable quality assurance with Kinglumi® track lights.

- Optical Flexibility: The flexibility of interchangeable optics and modular design is a standout feature, providing evident benefits for customization.
 - Professional Control: The Meta E, Smater, and Water-drop track lights offer professional DALI control (62386-207: device type 6), ensuring compatibility with GLOBAL Trac Pulse or Eurostandard plus.
 - Specialized Features: Explore models with DIM to warm and light control accessories, enhancing the overall lighting experience. For specific details, consult the sales team.
 - Art and Museum Applications: The Contour spotlight is designed to meet the unique lighting needs of art galleries and museums. Additionally, a zoom focus version is available for precise adjustments.
- Kinglumi® track lights are not just fixtures; they are a comprehensive lighting solution that combines functionality, style, and control.



META E

Spotlights & Pendant Lights

The Meta E series is an extension of Meta 2's advanced AIoT lighting products, specifically designed to enhance the shopping experience and create an inviting atmosphere in stores. It offers a versatile design with 5 installation options, 3 sizes, and 4 beam spreads, allowing for customized lighting solutions. Key features include easy on-site lens changes, flicker-free operation, dimmable control, high energy efficiency, and flexible positioning. The lights also feature patented track adaptor drivers, adding to their high-end aesthetic appeal.



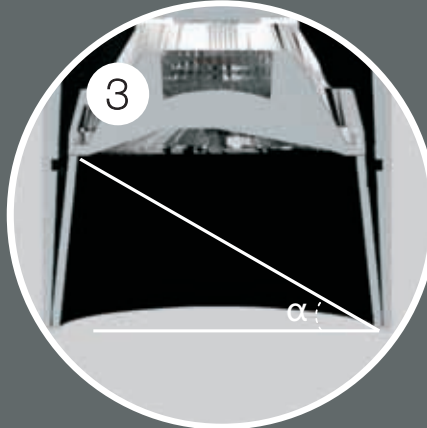
PERFECT USER
EXPERIENCE



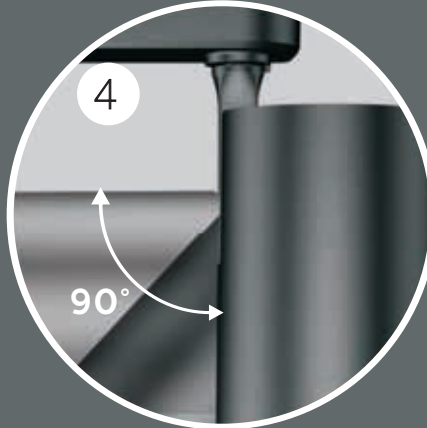
Protractor



Power Switchable



30° Shielding Angle



90° Tilt



360° Rotation



CCT Switchable



The Meta E series offers a variety of options to choose from, and here are the details:



Wattage Dip Switch at Adatptor (Phase-cut)

Wattage Dip Switch at Fixture Rear (DALI 2)

3CCT Dip Switch at Fixture Rear



Wattage Dip Switch on Canopy (Surface Mounted)

Wattage Dip Switch on Drivers (Recessed Mounted)

Single CCT Fixture Rear Design (Phase-cut)

Features & Benefits Highlight

- 5 different installations, 9in1 Design(3wattage, 3CCT*)
- Bayonet mount lens holder for easy lens changes on-site.
- Flicker Free compliant with IEEE 1789, ErP 2024 & Ecodesign
- Dimmable control via DALI 2 or Phase-cut.
- Solid state electronic, Class II compliant
- High system efficacy up to 100lm/W at CRI 90
- High performance LED array for reliable operation
- Anti-glare with 30° cut-off angle
- Precise control of beam angle, and intensity up to 28,000cd.
- This product contains a light source of energy efficiency class D/E to Regulation (EU) No 2019/2015
- 360° horizontal rotation and 90° vertical adjustability.
- Sleek, compact cylinder housing with no visible screws
- Die-casting aluminum passive cooling achieved by innovative thermal design
- Patented track adaptor drivers provide a clean finish and enhance the high-end aesthetic.
- 5 years warranty
- Sustainable packaging without plastic.
- * for Meta E 3CCT only

Accessories: Interchangeable Lens



Application

Retail, Art-gallery, Museum, Automotive and Parking, Residential, Education, Government, Hospitality, Offices and Banks, etc.

Meta E Ordering Guide

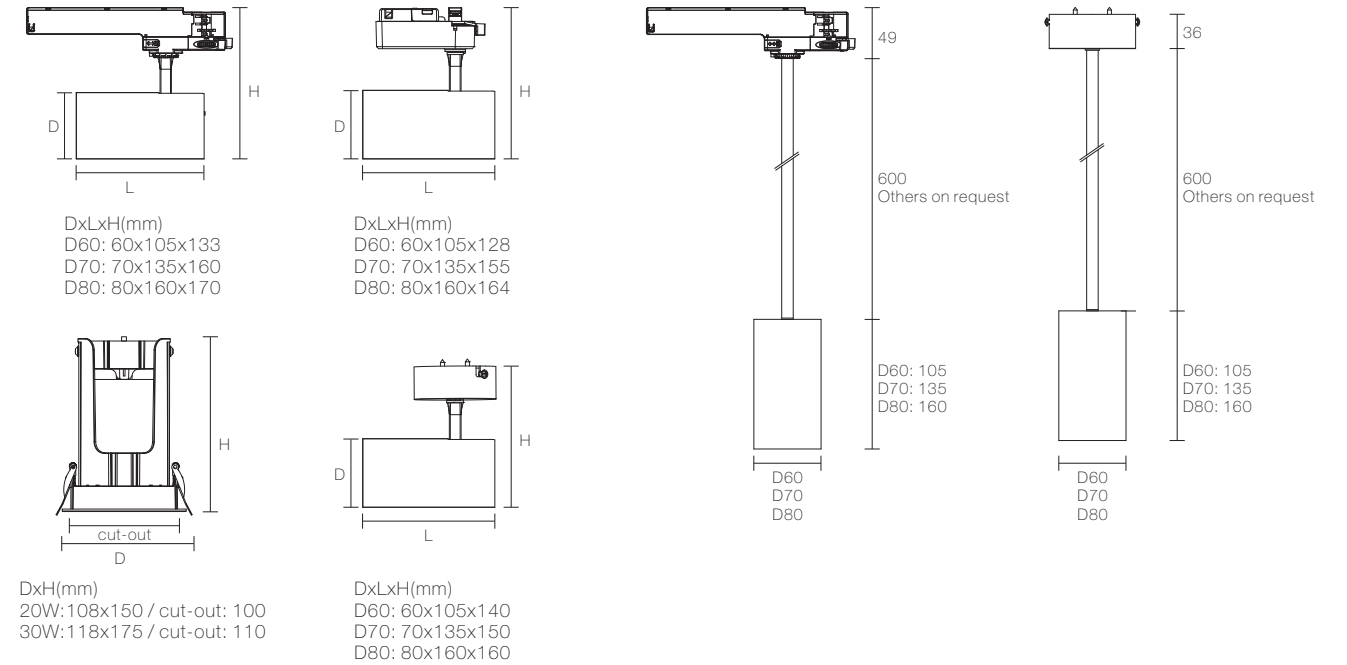
Series	Dimming	Installation	Wattage	—	Lumen	—	Max. intensity	Ra & CCT	Beam angle	Color
Meta E	Phase-cut	4wire 3circuit track	15	—	1300	—	13000	927	15	BK
		2wire 1circuit track	25	—	2400	—	23000	930	24	WH
		Surface spot	35	—	3450	—	28500	935	36	
		Recessed spot						940	50	
		Ceiling pendant								
		4wire 3circuit track pendent								
		2wire 1circuit track pendent								
	DALI 2	6wire 3circuit track								
		Recessed spot								
		6wire 3circuit track pendent								

Note: DALI 2, Push-DIM, 1-10V, and ON/OFF drivers also offered for Recessed Version.

Meta E 3CCT Ordering Guide

Series	Dimming	Installation	Wattage	—	Lumen	—	Max. intensity	Ra & CCT	Beam angle	Color
Meta E 3CCT	Phase-cut	4wire 3circuit track	15	—	1250	—	7400	930-935-940	15	BK
		2wire 1circuit track	25	—	2000	—	21600		24	WH
		Surface spot	35	—	3000	—	29000		36	
		Recessed spot							50	
		Ceiling pendant								
		4wire 3circuit track pendent								
		2wire 1circuit track pendent								
	DALI 2	6wire 3circuit track								
		Recessed spot								
		6wire 3circuit track pendent								

Note: DALI 2, Push-DIM, 1-10V, and ON/OFF drivers also offered for Recessed Version.



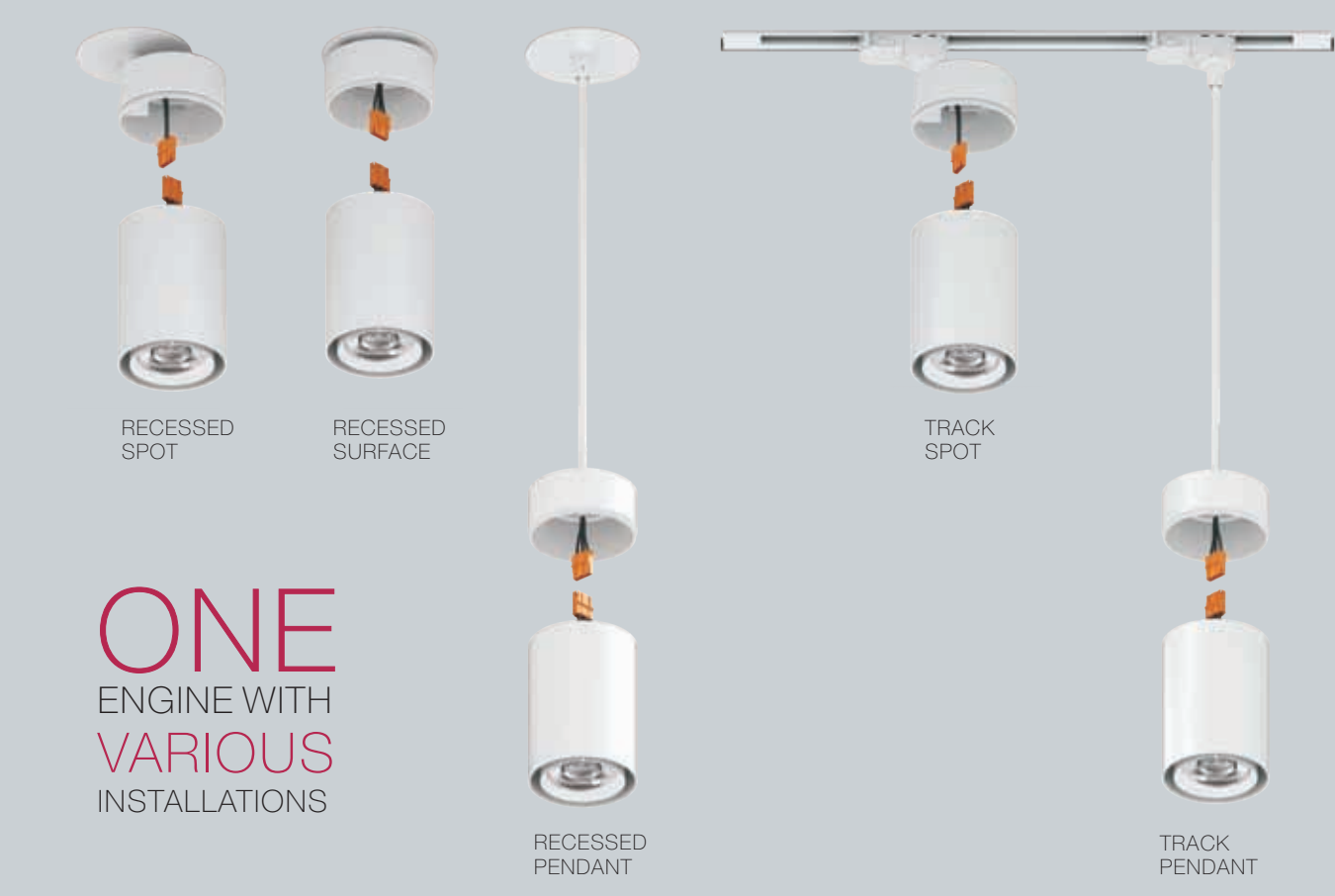




SMARTER G3

Smarter™ offers versatile lighting for shops, restaurants, and galleries, with various options and enhanced quality.

Smarter™ is a circular lighting solution designed for accentuating shops, restaurants, and art galleries. This versatile collection offers five installations: track spotlight, track pendant light, canopy spot light, canopy pendant light, and surface lights. With an output of 880lm to 4100lm and beam spreads of 15 to 60 degrees, it seamlessly integrates into the European 4-wire 3-circuit track system. Smarter™ stands out with its range of lighting accessories: honeycomb, barndoor, snoot, linear lens, soft light lens, and color filter for precise customization. Upgrades include Ra 90+ with CREE CXB COB LEDs or Luminus Gen 6, and flicker-free drivers achieving system efficacy up to 135lm/W.



ONE
ENGINE WITH
VARIOUS
INSTALLATIONS

4 SIZE
WITH
5 DIFFERENT LUMEN

230V AC
50Hz

DF
0.95

CE

CB

UK
CA

50,000hrs
L90B50

CONTAINING
PRODUCT

ECO
DESIGN

ECODESIGN
ERP
2024

C
Ra 90 LS

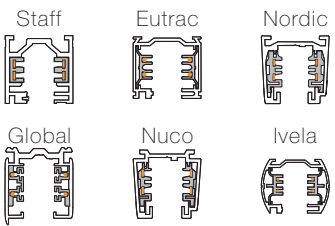
D
Ra 90 LS

E
Ra 90 LS

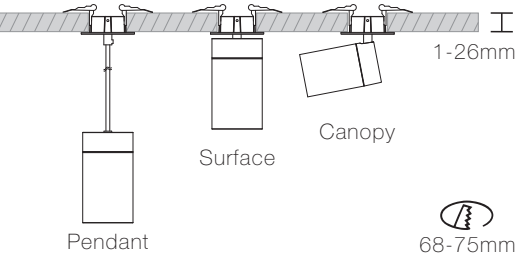
Compatible Track System Option:
4wire 3circuit, 2wire 1circuit, 3wire 1circuit,



Kinglumi 4wire 3circuit track adaptor compatible
with the following systems:



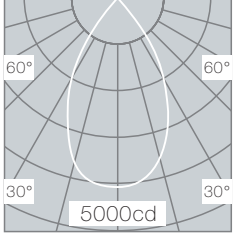
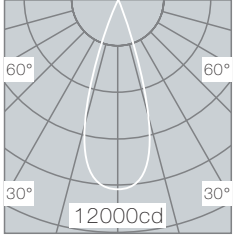
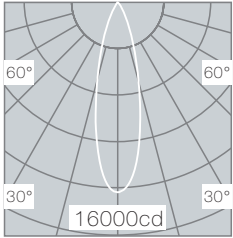
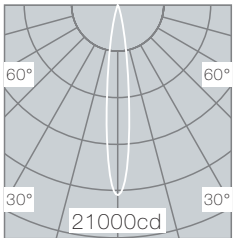
Recessed Ceiling Thickness:



Application
Retail, Art-gallery, Museum, Automotive and Parking,
Residential, Education, Government, Hospitality, Offices and Banks, etc.

- Features & Benefits**
- 5%–100 % dimming, for leading & trailing dimmers
 - Circular modular design, swap optics, light engine, driver & installation parts.
 - Up to 120lm/W, Ra 90, Macadam 4 SDCM
 - Flicker free(Pst<1.0, SVM<0.4, <3% flicker)
 - This product contains a light source of energy Class C/D/E
 - Replaceable light source and control gear by professional
 - WEEE: Recycle, do not dispose with household waste.
 - Sustainable packaging without plastic.

Accessories
Snoot, Honeycomb, Oval snoot, Barndoor, Lens



H(m)	D(m)	Em(lx)	Em(lx)	Em(lx)	Em(lx)	Em(lx)
	15°	8W	15W	22W	35W	40W
1	0.25	7868	9222	13173	20100	20319
2	0.50	1967	2275	3293	5025	5079
3	0.75	874	1011	1460	2233	2257
4	1.00	490	569	823	1256	1270
5	1.25	314	363	527	804	812

H(m)	D(m)	Em(lx)	Em(lx)	Em(lx)	Em(lx)	Em(lx)
	24°	8W	15W	22W	35W	40W
1	0.43	/	7326	10178	14006	15556
2	0.86	/	1831	2544	3502	3889
3	1.29	/	814	1171	1555	1728
4	1.72	/	457	637	875	972
5	2.15	/	292	407	560	622

H(m)	D(m)	Em(lx)	Em(lx)	Em(lx)	Em(lx)	Em(lx)
	38°	8W	15W	22W	35W	40W
1	0.70	2362	3824	5450	9477	11595
2	1.40	590	955	1362	2381	2899
3	2.10	262	424	605	1058	1288
4	2.81	147	239	341	595	725
5	3.51	94	152	218	381	463

H(m)	D(m)	Em(lx)	Em(lx)	Em(lx)	Em(lx)	Em(lx)
	60°	8W	15W	22W	35W	40W
1	1.14	700	2040	2234	3612	4229
2	2.29	174	510	559	903	1057
3	3.44	77	226	248	400	470
4	4.59	43	127	140	225	264
5	5.74	27	81	89	145	190

VARIOUS
ACCESSORIES



Accessories Order Number

Accessories	Wattage	Description	Finish
OP=Optics	8W	Snoot	BK
	15W	Honeycomb	WH
	22W	Oval Snoot	
	35W/40W	Barndoor	
		Solite	
		Linear Lens	
		Lens-15	
		Lens-24	
		Lens-38	
		Lens-60	

S3

→

→

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Note: Oval snoot and Barndoor are not ready for 22W-40W Smarter.

SMARTER
G3



Selected Order Number

Smarter	Installation	LED Brand	Wattage	Beam Angle	Ra & CCT	Finish
S3=Smarter G3	3P=4wire 3circuit	C=CREE	8=8W 660lm	15	927	Black
	1P=3wire 1circuit		15=15W 1400lm	24	930	White
	J=Juno Type		22=22W 2200lm	38	940	
	3P=4wire 3circuit Track Pendant		35=35W 3600lm	60		
	RP=Recessed Pendant	L=Luminus	40=40W 3800lm			
	RS=Recessed Surface		8=8W 880lm			
	R=Recessed Spot		15=15W 1610lm			
			22=22W 2390lm			
			35=35W 3300lm			
			40=40W 4070lm			

S3

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Note: 1. DTW(Dim to warm) available for 15W;
2. Page 21 for DALI 2 control.



Xline

Linear Track Light



You Tube

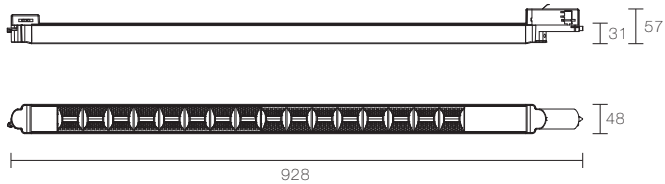
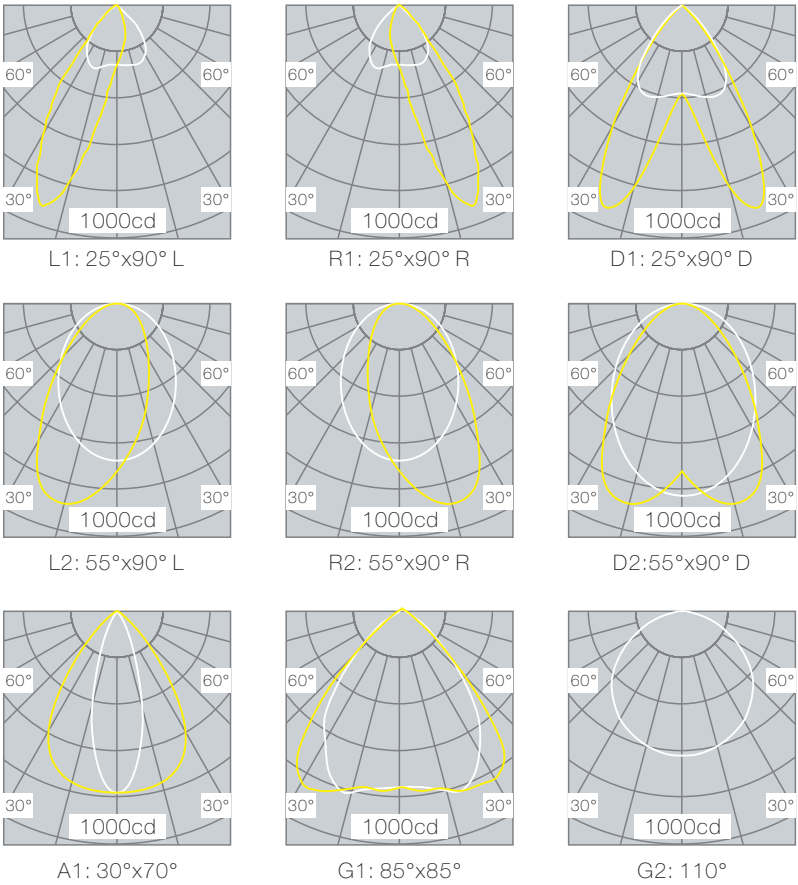
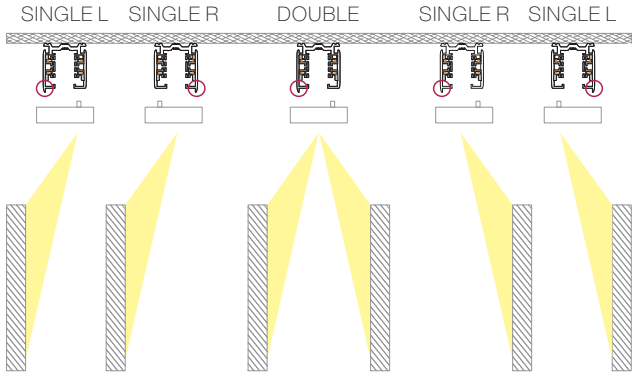
Designing a fixture that seamlessly blends into the track while solving wallwash, aisle, and general lighting challenges.

Xline track is a combination of technology and aesthetics, it disappeared after installed in track rail, it is ideal for retail lighting applications where a wide even distribution of light is desired in either shelves or floor. The luminaire can be used to wash a wall with very uniformity light. Utilizing LED technology, it is extremely energy efficient and precision light distribution.

Application
Residential, Retail, Art-gallery, Museum, Automotive and Parking, Education, Government, Healthcare, Hospitality, Offices and Banks, etc.

- Features & Benefits**
- Variety of lighting distributions
 - Up to 120lm/W; Macadam 4 SDCM
 - No risk flicker with Pst LM<1.0; SVM<0.4
 - This product contains a light source of energy Class D/E
 - Long Lifespan: >50,000hrs(L70B10)
 - Replaceable light source and control gear by professional
 - WEEE: Do not dispose of this luminarie with your normal household waste. Recycle where facilities exist.
 - Sustainable packaging without plastic.

Xline Track Asymmetric Distribution Explanation



K&L Code	Power(W)	Lumen(lm)	Ra	Beam Angle(°)	Dimming	Finish
KL-TR-035-V02	30	3200	82	L1,R1,D1,L2, R2,D2, A1,G1	ON/OFF	BK, WH
KL-TR-035-V01	55	5700	82	L1,R1,D1,L2, R2,D2, A1,G1	ON/OFF	BK, WH
KL-TR-035-V05	30	3300	82	G2	ON/OFF	BK, WH
KL-TR-035-V03	55	5800	82	G2	ON/OFF	BK, WH

Note:
The beam angle code stands for:
L1=25°x90° Left, R1=25°x90° Right, D1=25°x90° Double
L2=55°x90° Left, R2=55°x90° Right, D2=55°x90° Double
A1=30°x70°; G1=85°x85°; G2=110°



Milo™ Wall Washer Track Light

Lumen: 2000lm-6000lm



Superior coverage and use fewer fixtures for vertical wall wash lighting applications

Milo™ LED wallwash track light sets a new best-in-class performance benchmark for track wallwasher. It is designed for architectural vertical lighting, which delivers up to 6,000 lumens of beautiful, uniform high quality light in multiple color temperatures and powers in just one fixture, making it an excellent choice for all possible applications. 90°aiming horizontal; 360° vertical rotation allow to light where needed. All of this is combined with efficiency sure to turn heads – an incredible 140lm/W!



Application

Ideal for commercial, supermarket, retail displays, showrooms, art gallery and hospitality applications, etc.

Features

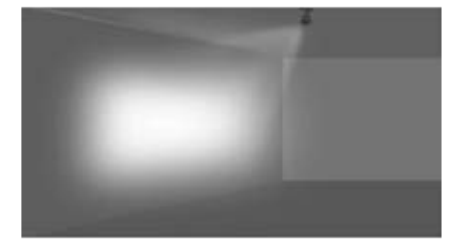
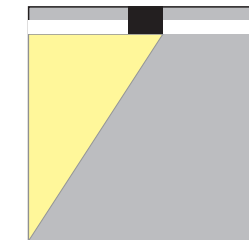
- Patented 3 CCTs & 3 lumens in one design
- Universal track systems compatible
- Arrangement distance a/H=1/3 via asymmetric wall washer
- Up to 140lm/W; Macadam 4 SDCM
- No risk flicker with Pst LM<1.0; SVM<0.4
- Built-in Driver: ON/OFF(standard)
- Long Lifespan: >50,000hrs(L70B10)
- 5-year factory guarantee
- This product contains a light source of energy Class D/E
- Replaceable light source and control gear by professional
- WEEE: Do not dispose of this luminarie with your normal household waste. Recycle where facilities exist.
- Sustainable packaging without plastic.

Benefits

- Superior coverage and use fewer fixtures
- Uniform illumination from top to bottom, free of hot spots or visible striations, discoloration.
- Excellent cutoff and glare light control
- Over 70% energy saving

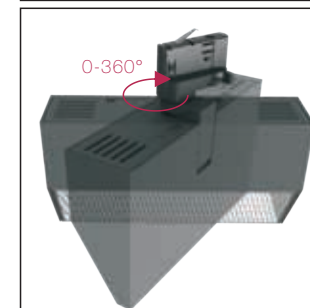
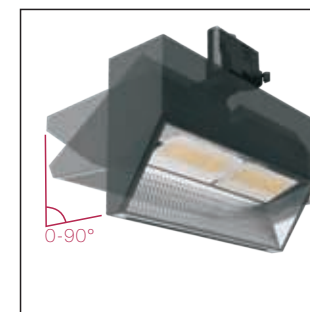
Powered By
LEDGEAR®

Asymetric Optics:
60°x90°

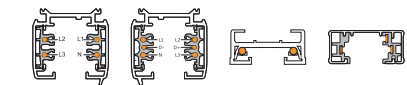


Correlated Color Temperature Selectable:
3000K-3500K-4000K

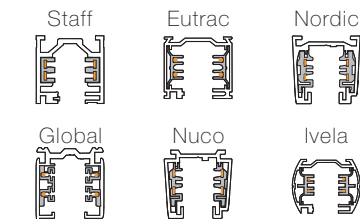
Color Rendering Index:

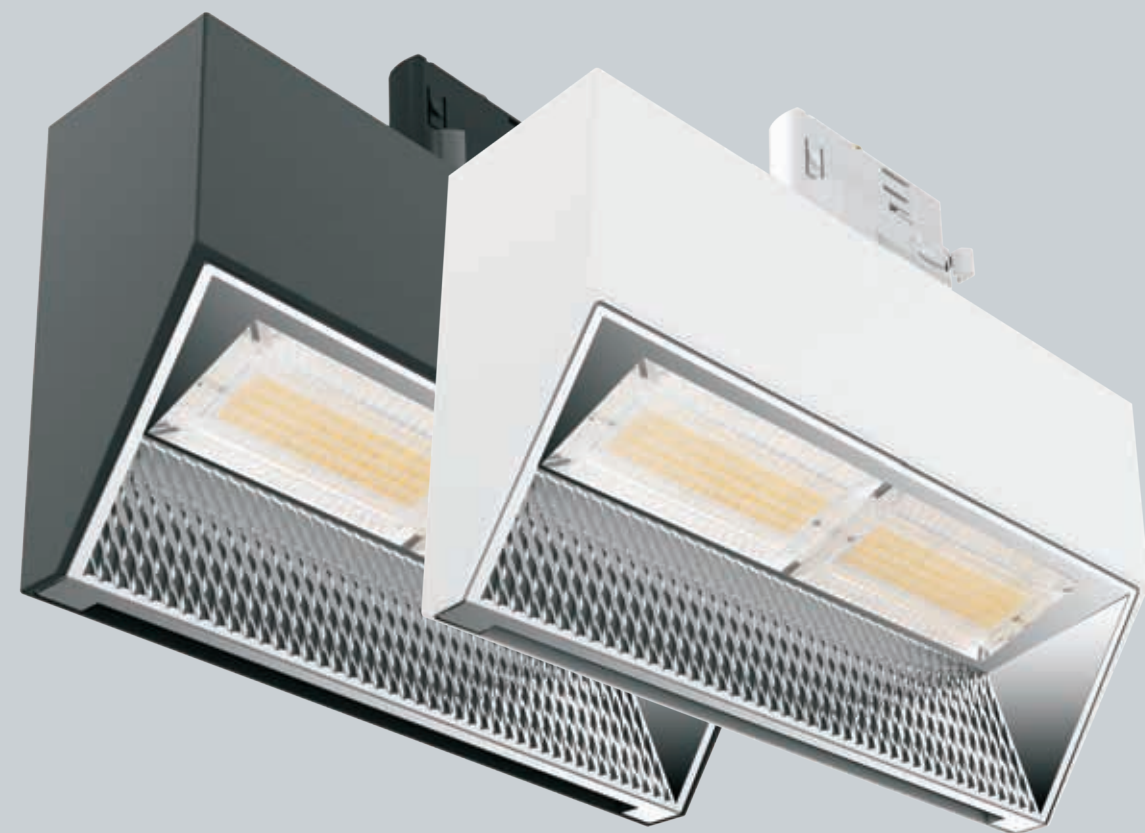


Compatible Track System Option:
4wire 3circuit, GLOBAL Pulse, 2wire 1circuit, 1-phase



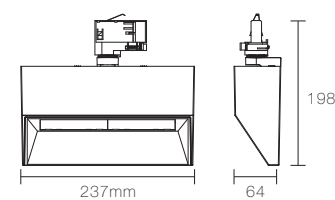
Kinglumi 4wire 3circuit track adaptor compatible with the following systems:





Turbo

Zoomable Track Light



K&L Code	Power(W)	Lumen(lm)	Ra	Beam Angle(°)	Dimming	Pst LM	SVM	Finish
4.TR.078.P02	50-40-30	6000-4800-3900	82	60X90	ON/OFF	<1.0	<0.4	BK, WH
4.TR.078.P06	38-30-22	4500-3500-3000	82	60X90	ON/OFF	<1.0	<0.4	BK, WH
4.TR.078.P02	50-40-30	5050-4000-3300	90	60X90	ON/OFF	<1.0	<0.4	BK, WH
4.TR.078.P06	38-30-22	3800-2950-2500	90	60X90	ON/OFF	<1.0	<0.4	BK, WH

Note:
 1. Other CCT or CRI 90 available on request;
 2. Page 22 for DALI 2 control.

Lumen: 2500lm-3200lm



A flexible track light with zoomable and lumen seletable function

Turbo, One track light with flexible beam angle varies from 15° to 33°, delivering the flexible and dynamic lighting for targeted objects in different accent lighting situations. Comes with super high efficacy of 100lm/W for producing sufficient lighting, and provides 2in1 design for wattage adjustment between 32W and 25W. Smooth beam angle changing with extremely uniform light, no dark spot or shadow.

Besides, it's provided with 360 degree rotation and 90 degree tilt that allows for flexible pan/tilt locking for free positioning of light fittings and delivering ideal illumination of targeted objects.



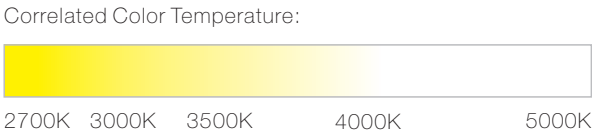
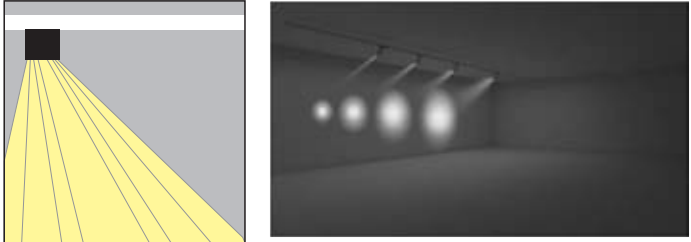
Application
Retail shops, hotels, museums, restaurant, art galleries, showroom, and other commercial lighting like Fashion Stores, Shopping Malls, Supermarkets, Exhibitions, etc

- Features**
- Stepless adjustable beam angle from 15°to 33°
 - Up to 100lm/W; Macadam 4 SDCM
 - No risk flicker with Pst LM<1.0; SVM<0.4
 - This product contains a light source of energy Class D/E
 - Compatible with universal 4wire 3circuit track system
 - 32W and 25W selectable by switch
 - Sleek cylinder design with no visual screws
 - Texture white and texture black finish
 - Replaceable light source and control gear by professional
 - WEEE: Do not dispose of this luminarie with your normal household waste. Recycle where facilities exist
 - Sustainable packaging without plastic.

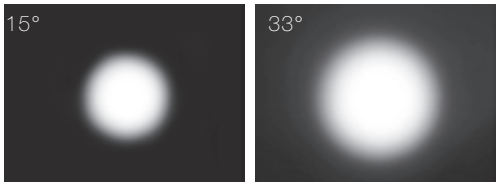
- Benefits**
- Flicker Free according to IEEE 1789
 - DF>0.9. THDi<12%, Energy Efficiency Class E
 - Deep regress optics improves visual cutoff & reduces glare
 - 360 degree rotation and 90 degree pivot

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LEDGEAR® 

Zoomable Optics:
15°-33°



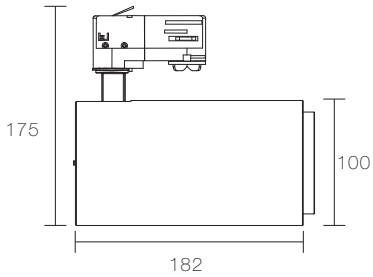
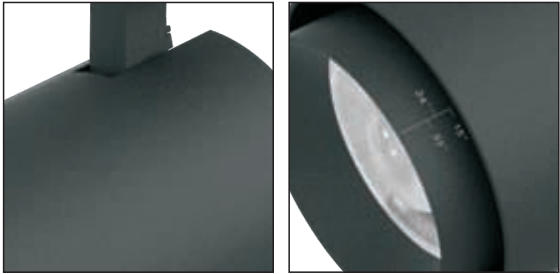
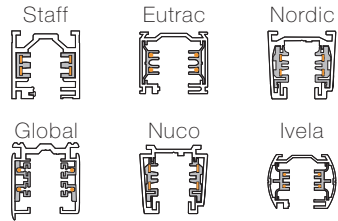
Color Rendering Index:



Compatible Track System Option:
4wire 3circuit, 2wire 1circuit, 1-phase



Kinglumi 4wire 3circuit track adaptor compatible with the following systems:

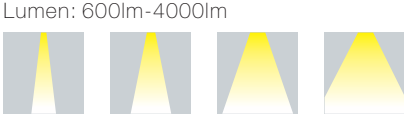


K&L Code	Driver	Power(W)	Lumen(lm)	Ra	Beam Angle(°)	Dimming	Pst LM	SVM	Finish
4.TR.061.U01	Built-in	32-25	3300-2600	82	15-33	Triac	<1.0	<0.4	BK, WH
4.TR.061.U01	Built-in	32-25	3000-2400	90	15-33	Triac	<1.0	<0.4	BK, WH



Water-drop G3

Track Light



Water-drop G3: Precision Lighting Solution for Retail, Art Galleries, and Museums

Inspired by Bruce Lee's philosophy, this patented design offers a sleek, self-cleaning appearance. With an industry-leading luminous efficiency of over 120lm/W and Ra 90 options, it achieves more than 60% energy savings compared to ceramic metal halide. Compliant with 2024 ErP certification, it provides high-quality lighting for upscale applications. The wide range of accessories, interchangeable lenses, and advanced control functions make Water-drop G3 a top choice for modern lighting needs.



Application
Retail, Art-gallery, Museum, Automotive and Parking, Education, Government, Hospitality, etc.

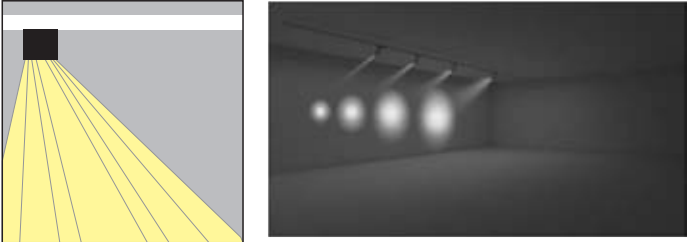
- Features & Benefits**
- Color options: 2700K, 3000K, 3500K, 4000K
 - 5–100 % dimming with leading / trailing edge dimmer
 - Up to 120lm/W; Macadam 4 SDCM
 - Flicker free(Pst<1.0; SVM<0.4, <3% flicker)
 - This product contains a light source of energy Class C/D/E
 - Replaceable source & control gear by professionals
 - WEEE: Recycle, don't dispose with household waste.
 - Sustainable packaging without plastic.

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LEDGEAR® **CREE** **LUMINUS**



You Tube

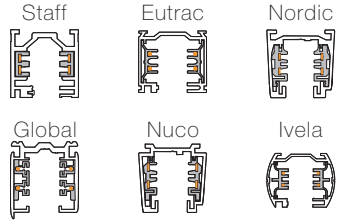
Interchangeable Optics:
15°,24°,38°,60°



Compatible Track System Option:
4wire 3circuit, 2wire 1circuit, 1-phase



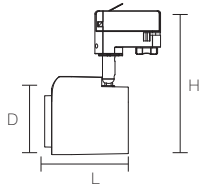
Kinglumi 4wire 3circuit track adaptor compatible with the following systems:



Accessory:
Snoot, Honeycomb, Oval snoot, Barndoor, Lens



Note:Oval snoot, Barndoor not available for 10W Water-drop.



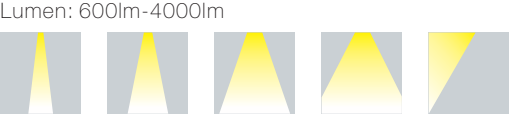
K&L Code	Power(W)	Lumen(lm)	Ra	Beam Angle(°)	Dimming	Pst LM	SVM	Finish	DxLxH(mm)
4.TR.067.C27	8	480	90	6	Triac	<1.0	<0.4	BK, WH	60x95x167
4.TR.067.C01	10	860	90	24,38,60	Triac	<1.0	<0.4	BK, WH	60x95x167
4.TR.068.C12	15	1400	90	15,24,38,60	Triac	<1.0	<0.4	BK, WH	100x108x184
4.TR.068.C01	22	2200	90	15,24,38,60	Triac	<1.0	<0.4	BK, WH	100x108x184
4.TR.069.C03	35	3600	90	24,40,60	Triac	<1.0	<0.4	BK, WH	111x141x199
4.TR.069.C08	40	3800	90	24,40,60	Non-dim	<1.0	<0.4	BK, WH	111x141x199
4.TR.067.U01	10	1000	90	24,38,60	Triac	<1.0	<0.4	BK, WH	60x95x167
4.TR.068.U12	15	1610	90	15,24,38,60	Triac	<1.0	<0.4	BK, WH	100x108x184
4.TR.068.U01	22	2300	90	15,24,38,60	Triac	<1.0	<0.4	BK, WH	100x108x184
4.TR.069.U04	35	3700	90	24,40,60	Triac	<1.0	<0.4	BK, WH	111x141x199
4.TR.069.U14	40	4100	90	24,40,60	Non-dim	<1.0	<0.4	BK, WH	111x141x199

Page 21 for DALI 2 control



Classic G3

Track Light



The original 2011 LED track light by Kinglumi for retail and commercial lighting has been upgraded to G3

The Classic G3 track light, featuring patented design, enjoys widespread installation across Europe and North America. Despite numerous imitations, its value lies in superior thermal control, light quality, and performance. Equipped with CREE Xlamp CXB COB LEDs and Kinglumi's CAMETA® anti-glare lens, it delivers precise illumination with options like honeycomb, snoot, and interchangeable lenses for added flexibility. Boasting over 120lm/W luminous efficiency and Ra 90 options, it offers over 50% energy savings compared to ceramic metal halide lights and complies with 2024 ErP certification for upscale applications.

230V AC
50Hz

90°

360°

DF
0.95

CE

CB

UK
CA

50,000hrs
L90B50

ECO
DESIGN

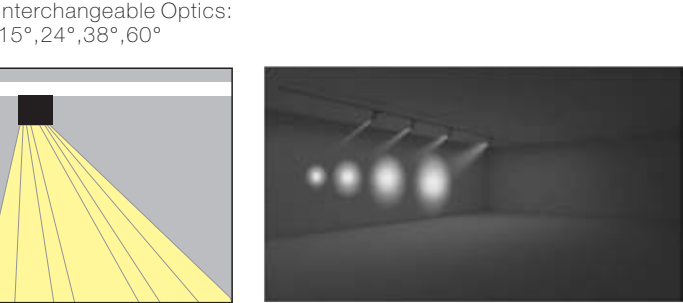
ECODSIGN
ERP
2024

Application
Retail, Art-gallery, Museum, Automotive and Parking, Education, Government, Hospitality, etc.

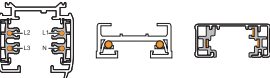
Features & Benefits

- Colour temperature: 2700K, 3000K, 3500K,4000K
- 10–100 % dimming with leading / trailing edge dimmer
- Up to 120lm/W; Macadam 4 SDCM
- No risk flicker with Pst LM<1.0; SVM<0.4
- This product contains a light source of energy Class E
- Replaceable light source and control gear by professional
- WEEE: Do not dispose of this luminarie with your normal household waste. Recycle where facilities exist.
- Sustainable packaging without plastic.

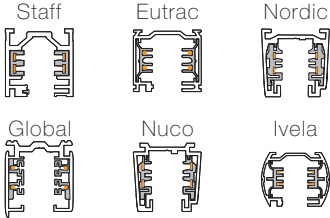
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LEDGEAR® **CREE**



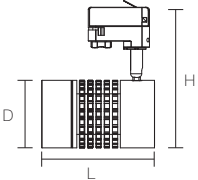
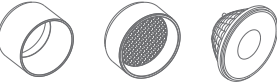
Compatible Track System Option:
4wire 3circuit, GLOBAL Pulse, Eutrac Data bus 2wire 1circuit, 1-phase



Kinglumi 4wire 3circuit track adaptor compatible with the following systems:



Accessory:
Snoot, Honeycomb, Lens



K&L Code	Power(W)	Lumen(lm)	Ra	Beam Angle(°)	Dimming	Pst LM	Pst LM	Finish	DxLxH(mm)
4.TR.062.C68	8	820	90	24,38,60	Triac	<1.0	<0.4	BK, WH	55x95x159
4.TR.063.C04	15	1400	90	15,24,38,60	Triac	<1.0	<0.4	BK, WH	70x130x176
4.TR.064.C163	25	2200	90	15,24,38,60	Triac	<1.0	<0.4	BK, WH	90x151x196
4.TR.064.C165	35	3600	90	24,40,60	Triac	<1.0	<0.4	BK, WH	90x151x196
4.TR.082.C50	40	3800	90	24,40,60	Non-dim	<1.0	<0.4	BK, WH	90x154x196



META E
Downlight Tilt

230V AC
50Hz

DF
0.95

CE

CB

UK
CA

ECO
DESIGN

50,000hrs
L90B50

1-10V
10V PWM

The Meta E series downlight designed for high end residential, commercial and hospitality lighting. This fixture features a circular mechanical design, .

The Meta E series downlight comes in both round and square trim options, as well as trimless options, with the following color options: Trim, Reflector, Lens, LED engine & Driver Additionally, optional glare control accessories are also available.

Features & Benefits Highlight

- Available cut-out size options: 55mm, 75mm, or 95mm.
- Interchangeable components: Trim, Reflector, Lens, LED engine, and Driver.
- Dimmable control options: DALI 2, Phase-cut, 1-10V, etc.
- Deep regress optics design and excellent glare control
- This product contains a light source of energy efficiency class E to Regulation (EU) No 2019/2015
- High performance LED array for reliable operation
- Flicker Free compliant with IEEE 1789, ErP 2024 & Ecodesign
- Die-casting aluminum passive cooling achieved by innovative thermal design
- 5 years warranty
- Sustainable packaging without plastic.

Powered By

LEDGEAR® CREE

Meta E Downlight Tilt Ordering Guide

Series	Installation	Shape	Wattage		Lumen		Cut-out		Dimming	Ra & CCT	Beam angle	Color
			W		lm		mm				°	
Meta E	Trimless	Round	6	—	540	—	55		DALI 2, Push-DIM	927	24	WH
	Recessed with trim	Square	15	—	1350	—	75		Phase-cut	930	36	
			20	—	1700	—	95		1-10V	935	50	
									ON/OFF	940		

Meta E 3CCT Downlight Tilt Ordering Guide

Series	Installation	Shape	Wattage		Lumen		Cut-out		Dimming	Ra & CCT	Beam angle	Color
			W		lm		mm				°	
Meta E 3CCT	Trimless	Round	6	—	486	—	55		DALI 2, Push-DIM	930-935-940	24	WH
	Recessed with trim	Square	15	—	1215	—	75		Phase-cut		36	
			20	—	1530	—	95		1-10V		50	
									ON/OFF			





MILO SYSTEM

Milo™ downlight, a new line of high performance portfolio dedicated to architectural lighting segment. With complete modular design concept and equipped with the latest MultiCCT and MultiPower technology innovation, it simply configure multiply of combination to satisfy diversified customer's requirement. This system unveils a special combination of unobtrusive light sourcing with various mounting capabilities, superior performance, high-quality materials and best in class LED technology and drivers. The vaccum aluminum plating specular reflector with lens design minimized the glare. Suitable for VDUs workplace light according to EN 12464-1 (UGR 19, UGR 22); Available in recessed, trimless, surface and pendant mounted; 6 different aperture sizes(Ø100, Ø125, Ø150, Ø200, Ø250, Ø300. unit in mm), and reflectors(specular/high-gloss to create infinite possibilities for comfortable ambience.

Application
Airport, Exhibition center, Semi-outdoor, Retail, Hospitals, Hotels, Halls, offices, conference rooms, Museum

Features
ENDLESS POSSIBILITIES
· Versatile: Recessed, Surface(Trimless/Pendant on request) installations.
· 7 sizes available: Ø100, Ø125, Ø150, Ø165, Ø200, Ø250, Ø300.
· Reflectors: Specular (Others available upon request).

HIGH FLEXIBILITY & MINIMIZE INVENTORY
· MultiCCT Tech: 3-CCT, 1-CCT available upon request.
· MultiPower Tech: Selectable wattage for added convenience.

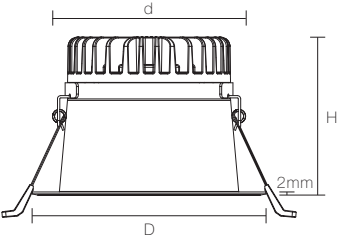
VARIOUS ELECTRONIC CONTROL GEAR
· Options: 1-10V, DALI 2 + Push-DIM, ON/OFF, Phase-cut

VISUAL COMFORT LIGHT
· Minimized glare with Darklight reflector.
· Deep regression for up to 30° cut-off.
· UGR 19 and UGR 22 for enhanced visual comfort.

COMPLIANT WITH NEW EU ERP & Ecodesign
· No risk flicker and compliant with ErP 2024
· This product contains a light source of energy Class D/E
· Replaceable light source and control gear by professional
· Long Lifespan: >50,000hrs(L70B10), 5 year warranty
· WEEE: Do not dispose of this luminarie with your normal household waste. Recycle where facilities exist



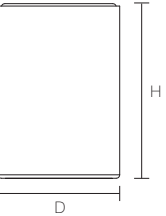
MILO RECESSED



K&L Code	Cut-out (mm)	Light Source Pon(W)	Light Source Input Current(mA)	Light Source Input Voltage(VDC)	Beam Angle (°)	CCT(K)	Ra	Lumen Output (lm)	DxdxH(mm)
4.DL.153.V06	105	12.25	350	35	85	3000-4000-5700	80	1322	124x102x84
4.DL.154.V06	125	12.25	350	35	85	3000-4000-5700	80	1363	150x123x95
4.DL.155.V06	150	12.25	350	35	85	3000-4000-5700	80	1411	172x144x106
4.DL.175.V06	165	12.25	350	35	85	3000-4000-5700	80	1411	172x144x106
4.DL.156.V05	200	17.5	500	35	85	3000-4000-5700	80	2074	221x192x109
4.DL.156.V06	200	28	800	35	85	3000-4000-5700	80	3200	221x192x109
4.DL.156.V07	200	35	1000	35	85	3000-4000-5700	80	4009	221x192x109
4.DL.157.V05	250	17.5	500	35	85	3000-4000-5700	80	2124	274x245x113
4.DL.157.V06	250	28	800	35	85	3000-4000-5700	80	3412	274x245x113
4.DL.157.V07	250	35	1000	35	85	3000-4000-5700	80	4184	274x245x113
4.DL.158.V05	300	17.5	500	35	85	3000-4000-5700	80	2293	320x291x113
4.DL.158.V06	300	28	800	35	85	3000-4000-5700	80	3400	320x291x113
4.DL.158.V07	300	35	1000	35	85	3000-4000-5700	80	4348	320x291x113



MILO SURFACE



K&L Code	Light Source Pon(W)	Light Source Input Current(mA)	Light Source Input Voltage(VDC)	Beam Angle (°)	CCT(K)	Ra	Lumen Output (lm)	DxH(mm)
4.DL.153.V06-S	12.25	350	35	85	3000-4000-5700	80	1322	106x152
4.DL.155.V06-S	12.25	350	35	85	3000-4000-5700	80	1411	154x165
4.DL.156.V05-S	17.5	500	35	85	3000-4000-5700	80	2074	203x173
4.DL.156.V06-S	28	800	35	85	3000-4000-5700	80	3200	203x173
4.DL.157.V05-S	17.5	500	35	85	3000-4000-5700	80	2124	255x176
4.DL.157.V06-S	28	800	35	85	3000-4000-5700	80	3412	255x176
4.DL.158.V05-S	17.5	500	35	85	3000-4000-5700	80	2293	281x176
4.DL.158.V06-S	28	800	35	85	3000-4000-5700	80	3400	281x176



SATURN

ONE
SYSTEM
ONE
INTERFACE

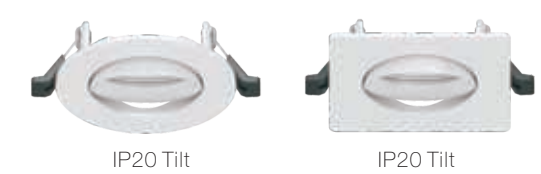


Flat Version

Deep version

Finish: White, Black, Silver and Brush Nickel

Finish: White, Black





White



IP65 FIX



Silver



IP20 TILT



Black



Brush Nickel



SATURN FLAT

K&L Code	Description	Outer Size(mm)	Cut-out(mm)	Height(mm)	Fix/Tilttable	IP Rating
4.NO.001.001	D80 round detachable MR16 downlight frame IP65	D80	72-76	32.4	Fix	IP65
4.NO.001.003	D90 round detachable MR16 downlight frame IP65	D90	72-80	32.4	Fix	IP65
4.NO.001.005	80x80 square detachable MR16 downlight frame IP65	80x80	75x75	32.4	Fix	IP65
4.NO.001.006	D90x90 square detachable fixture IP65	90x90	75x75	32.4	Fix	IP65
4.NO.001.009	D80 round detachable MR16 downlight frame IP20	D80	72-76	32.4	Tilttable	IP20
4.NO.001.010	D90 round detachable MR16 downlight frame IP20	D90	72-80	32.4	Tilttable	IP20
4.NO.001.011	80x80 square detachable MR16 downlight frame IP20	80x80	75x75	32.4	Tilttable	IP20
4.NO.001.012	90x90 square detachable MR16 downlight frame IP20	90x90	75x75	32.4	Tilttable	IP20
4.NO.001.057	D110 round detachable MR16 downlight frame IP20	D110	72-98	32.4	Tilttable	IP20
4.NO.001.058	D110 round detachable MR16 downlight frame IP65	D110	72-98	32.4	Fix	IP65

SATURN DEEP

K&L Code	Description	Outer Size(mm)	Cut-out(mm)	Height(mm)	Fix/Tilttable	IP Rating
4.NO.003.002	D90 deep regression detachable MR16 downlight frame IP20 -Open reflector	D90	79-85	53	Tilttable	IP20
4.NO.003.003	D90 deep regression detachable MR16 downlight frame IP20 -Pin hole reflector	D90	79-85	53	Tilttable	IP20
4.NO.003.004	D90 deep regression detachable MR16 downlight frame IP20 -Wallwasher reflector	D90	79-85	53	Tilttable	IP20
4.NO.003.005	D90 deep regression detachable MR16 downlight frame IP20 -Slot reflector	D90	79-85	53	Tilttable	IP20

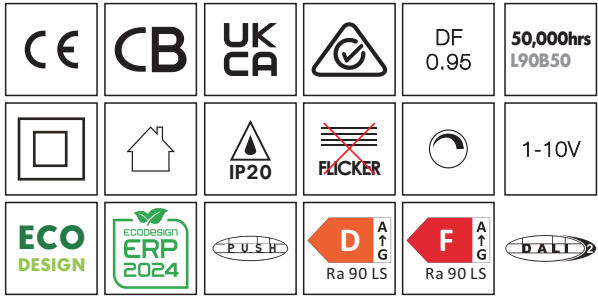
Saturn Deep Accessories

K&L Code	Description	Outer Size(mm)	Cut-out(mm)	Material
1.06.07.0031	Open reflector - White	D68	36.8	Metal
1.06.07.0032	Open reflector - Black	D68	36.8	Metal
1.06.07.0033	Open reflector - Silver	D68	36.8	Metal
1.06.07.0036	Pin hole reflector - White	D68	36.8	Metal
1.06.07.0048	Pin hole reflector - Black	D68	36.8	Metal
1.06.07.0035	Wallwasher reflector - White	D68	36.8	Metal
1.06.07.0037	Slot reflector - White	D68	36.8	Metal

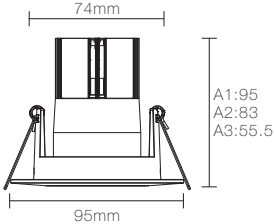
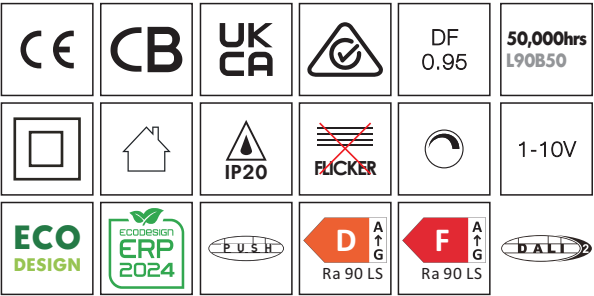
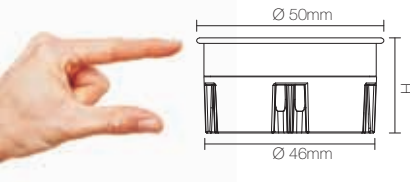
SATURN
MODULE-Rocket



SATURN
FOCUS



25mm Min.



K&L Code	Lumen(lm)	Ra	R9	Beam(°)	Pon(W)	CCT	LED Input Voltage (VDC)	Input Current (mA)	Dimensions (mm)
4.MR.108.U02	1200	98	90	15, 38, 60	10.8	2700,3000,4000K	36	300	D50xH65
4.MR.108.U01	780	98	90	15, 38, 60	6.48	2700,3000,4000K	36	180	D50xH53
4.MR.108.U03	500	98	90	15, 38, 60	5.04	2700,3000,4000K	36	140	D50xH25
4.MR.108.A07	880	95	88	38, 60	10.8	2000-3000K	36	300	D50xH65
4.MR.108.A06	480	95	88	38, 60	6.48	2000-2900K	36	180	D50xH53
4.MR.108.A01	450	95	88	38, 60	6.3	2000-3000K	18	350	D50xH53
4.MR.108.A08	250	95	88	38, 60	4.5	2000-2800K	18	250	D50xH25

Note:
1. This is the light source of a containing products, which rated energy Class of D/F
2. Driver options:Triac / DALI-2 Push DIM, 1-10V / ON-OFF
3. Compliant with new EcoDesign of EU 2020/2019

K&L Code	Description	Material	Beam(°)	Finish
4.CA.057.001	Honeycomb for Rocket Module	Metal	/	Black
1.07.04.0157-A	15D Lens for Rocket Module	PMMA	15	Transparent
1.07.04.0158-A	38D Lens for Rocket Module	PMMA	38	Transparent
1.07.04.0159-A	60D Lens for Rocket Module	PMMA	60	Transparent

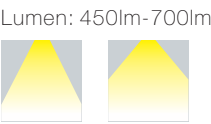
K&L Code	Module Lumen(lm)	Ra	R9	CCT	Beam(°)	Pon(W)	LED Input Voltage(VDC)	Input Current (mA)	Cut-out(mm)
4.DL.170.U02	1200	98	90	2700, 3000,4000K,	15, 38, 60	10.8	36	300	75-85
4.DL.170.U01	780	98	90	2700, 3000, 4000K,	15, 38, 60	6.48	36	180	75-85
4.DL.170.U03	500	98	90	2700, 3000,4000K,	15, 38, 60	5.04	36	140	75-85
4.DL.170.A07	880	95	88	2000K-3000K	38, 60	10.8	36	300	75-85
4.DL.170.A06	480	95	88	2000K-2900K	38, 60	6.48	36	180	75-85
4.DL.170.A01	450	95	88	2000K-3000K	38, 60	6.3	18	350	75-85
4.DL.170.A08	250	95	88	2000K-2800K	38, 60	4.5	18	250	75-85

Note:
•• Up to 110lm/W; Macadam 4 SDCM
· No risk flicker with Pst LM<0.1%; SVM<0.1%
· This product contains a light source of energy Class D/F
· Replaceable light source and control gear by professional
· WEEE: Do not dispose of this luminarie with your normal household waste. Recycle where facilities exist



VILA G2

Downlight



A series of insulation cover downlight with CCT & beam changeable

The Vila™ G2, a MultiCCT technology innovative downlights bring simplification and adaptability to the LED lighting market. Providing with the ability to change the color temperature and beam angle within one downlight. With outstanding system efficacy of up to 110lm/W, it comes in 4.5W and 6.5W in fixed or tiltable configurations. The push-fit terminal connector simplifies installation, enabling easy loop in/out.

Notably, Vila™ G2 is crafted for loft insulation ceiling setups, seamlessly integrating without an extra insulation cap for efficient and safe lighting. Experience the future of adaptable, energy-efficient downlights with Vila™ G2.

230V AC
50Hz

50,000hrs
L70B10

Air-tight

IP44

CCT-SWITCH
WW-NW-CW

DF
0.95

CE

CB

UK
CA

ECO
DESIGN

ECODESIGN
ERP
2024

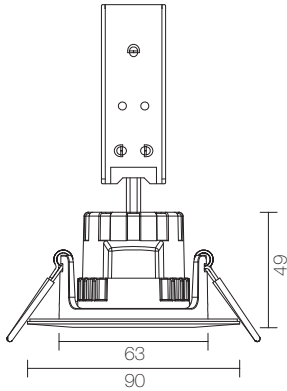
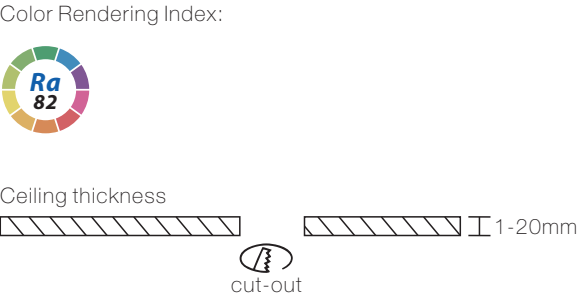
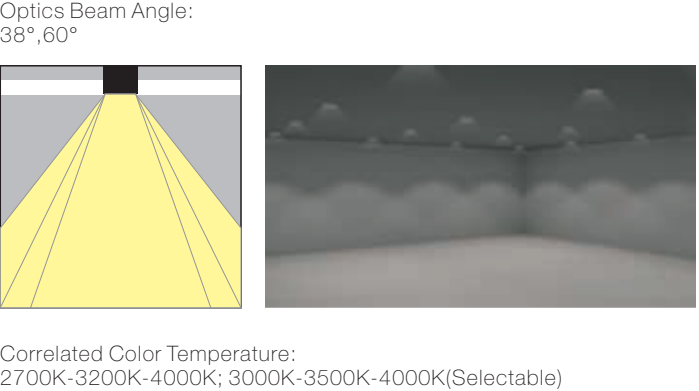
D
Ra 82 LS

Application
Downlights for loft insulation, residential buildings, office, living rooms, houses, hotels. etc.

Features & Benefits

- MultiCCT technology: 3CCTs-in-one, less inventory
- Air-tight, BBC RT2020 for fix version
- Directly thermal insulation coverable(4.5W)
- Super low profile of 48mm in height
- Silicone gasket ensures IP44 Front/IP20 back
- 2 x 2.5mm2 push-fit connector with looping function
- Up to 120lm/W; Macadam 4 SDCM
- This product contains a light source of energy Class D
- Replaceable light source and control gear by professional
- WEEE: Do not dispose of this luminarie with your normal household waste. Recycle where facilities exist
- Sustainable packaging without plastic.

Powered By
LEDGEAR®



K&L Code	Tilt(°)	Power(W)	Lumen(lm)	Ra	Beam Angle(°)	Dimming	Pst LM	SVM	Finish	Cutout(mm)
4.DL.172.V02	Fixed	4.5	480	82	38, 60	Triac	<1.0	<0.4	WH, BK	68-82
4.DL.173.V02	+/-25	4.5	480	82	38, 60	Triac	<1.0	<0.4	WH, BK	68-82
4.DL.172.V04	Fixed	6.5	760	82	38, 60	Triac	<1.0	<0.4	WH, BK	68-82
4.DL.173.V04	+/-25	6.5	760	82	38, 60	Triac	<1.0	<0.4	WH, BK	68-82
4.DL.172.N11	Fixed	6	580	82	38, 60	Triac	<1.0	<0.4	WH, BK	68-82
4.DL.173.N11	+/-25	6	580	82	38, 60	Triac	<1.0	<0.4	WH, BK	68-82





JECO Downlight

Lumen: 450lm-700lm



Jeco, a gyro Isoguard, downlight featuring an Isolation Safebox, designed for seamless integration with thermal insulation and compliance with airtight building regulations.

The Jeco LED downlights, offering remarkable energy savings of up to 85%. With an IP44 bathroom rating, it's resistant to dust and splashing water, making it suitable for various applications. This downlight provides pleasant ambient lighting in building sections, corridors, reception areas, conference rooms, and traffic zones. Experience efficiency, versatility, and convenience with Jeco LED downlights.



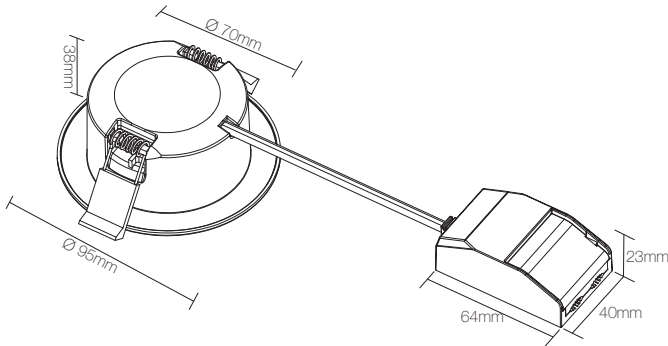
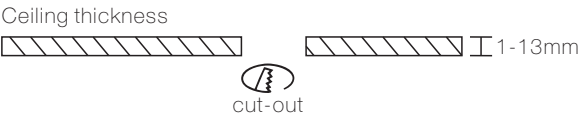
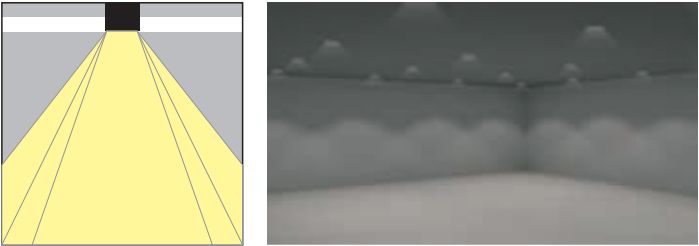
Application
Downlights for loft insulation, residential buildings, office, living rooms, houses, hotels. etc.

- Features & Benefits**
- Air-tight, BBC RT2020
 - Suitable for direct insulation cover
 - Gyro 350° rotation with +/-20° tilt
 - Suitable for low profile ceiling(36mm in height)
 - IP44 Front/IP20 back
 - Phase-cut dimmable compatible with most of dimmers
 - Dim to warm available
 - Easy wiring with push-fit connectors
 - Up to 120lm/W; Macadam 4 SDCM
 - This product contains a light source of energy Class D
 - Replaceable light source and control gear by professional
 - WEEE: Do not dispose of this luminaire with your normal household waste. Recycle where facilities exist
 - Sustainable packaging without plastic.

Powered By
LEDGEAR®



Optics Beam Angle:
38°,60°



K&L Code	Power(W)	Lumen(lm)	Ra	Beam Angle(°)	Dimming	Pst LM	SVM	Finish	Cutout(mm)
4.DL.177.N01	6.5	700	82	38, 60	Triac	<1.0	<0.4	WH/BK	75-83
4.DL.177.N02	8	1000	82	38, 60	Triac	<1.0	<0.4	WH/BK	75-83
4.DL.177.N03	6	550	82	38, 60	Triac	<1.0	<0.4	WH/BK	75-83

Note: Ra 90 ready on request



EVOLITE G2
Downlight

Lumen: 500lm-1200lm



A fix or tiltable IP44 recessed downlight for 50W-90W halogen replacement

Evolite LED downlight equivalent to 50W-90W halogen downlights and achieve energy savings of up to 85%, IP44 bathroom rated, including dust and splashing water. It's suitable for a diversity of applications and emits pleasant basic lighting in general building sections, corridors, reception areas, conference rooms and traffic zones. To make installation simple, the downlight features a 'loop in & loop out' system which allows you install multiple units together by mains wiring.



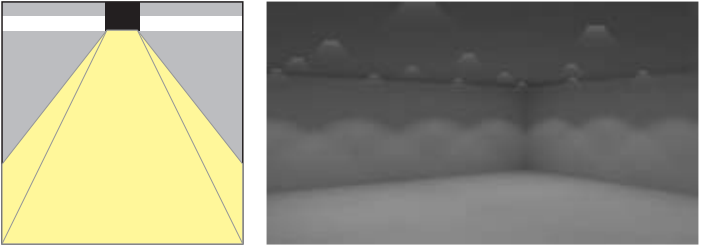
Application
Residential house, Halls, Offices, Hospitals, Hotels, etc.

- Features & Benefits
- IP44 rating; IK08 rating
 - Various external drivers option
 - Quick installation, loop in & loop out system
 - Up to 90lm/W; Macadam 4 SDCM
 - No risk flicker with Pst LM<1.0; SVM<0.4
 - This product contains a light source of energy Class D/F
 - Replaceable light source and control gear by professional
 - WEEE: Do not dispose of this luminaire with your normal household waste. Recycle where facilities exist
 - 5 year warranty

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LEDGEAR®  **bridgelux®**



Optics Beam Angle:
38°,60°



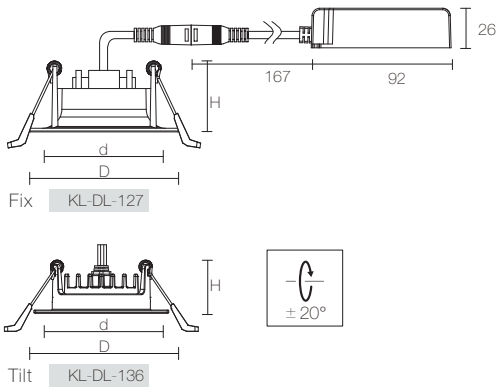
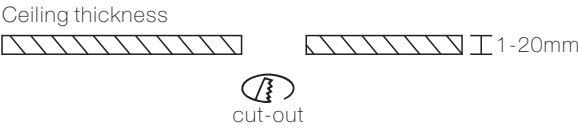
Correlated Color Temperature:



DIM to Warm / Tunable White available on request



Color Rendering Index:



K&L Code	Tilt	Lumen (lm)	Max. LED Current(mA)	LED Voltage (V)	Ra	Beam Angle (°)	Finish	Cutout (mm)	DxdxH (mm)
KL-DL-127.U11	Fix	720	160	36	90	38, 60	WH/BK	66-75	82x65x37
KL-DL-127.U12	Fix	800	220	36	90	38, 60	WH/BK	66-75	82x65x37
KL-DL-127.U13	Fix	1180	280	36	90	38, 60	WH/BK	66-75	82x65x37
KL-DL-136.U06	Tilt	800	180	36	90	38, 60	WH/BK	62-75	82x61x32
KL-DL-127.A01	Fix	500	350	18	95	38, 60	WH/BK	66-75	82x65x37
KL-DL-136.A01	Tilt	500	350	18	95	38, 60	WH/BK	62-75	82x61x32



Note:
* Driver Options: Phase-cut, ON/OFF, DALI 2, 1-10V



JUPITER G3

Downlight

Lumen: 320lm-460lm



Design to fit all different recessed ceiling conditions for residential.

Upgrade from 1.0, Jupiter 2.0 family is a downlight suitable for insulation ceiling, with low profile(33mm/40mm), airtight, IP 44 and quick installation. Powered by CREE® COB LED, Jupiter 2.0 provides high lumen output for 50W halogen retrofit application. Screwless strain relief with 6pcs T-type push terminals makes it easy for Loop in/out and connection. The family combines: Jupiter Deep, Jupiter 360, Jupiter Screwfix. Jupiter Deep is fixed deep optics; Jupiter 360 has 150° rotation plus +/-30° tilt; Jupiter Screwfix is to fit cement-bonded wood wool panels ceiling.



Application
Downlights for loft insulation, residential buildings, office, living rooms, houses, hotels. etc.

- Features & Benefits**
- Triac dimming control 100% -10% brightness
 - Low profile, suitable for insulation ceiling
 - Air-tight, IP44
 - Up to 80lm/W; Macadam 4 SDCM
 - No risk flicker with Pst LM<1.0; SVM<0.4
 - This product contains a light source of energy Class D/F
 - Replaceable light source and control gear by professional
 - WEEE: Do not dispose of this luminarie with your normal household waste. Recycle where facilities exist.
 - Sustainable packaging without plastic.

Powered By
LEDGEAR® **LUMINUS** **bridgelux®**

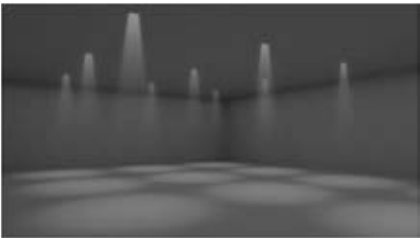
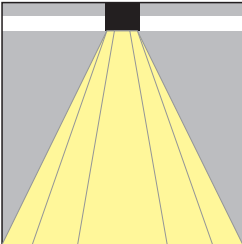
Insulated normal wood ceiling



Insulated cement-bonded wood wool panels ceiling



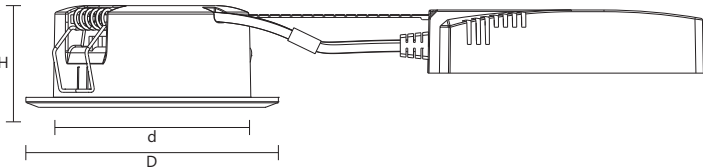
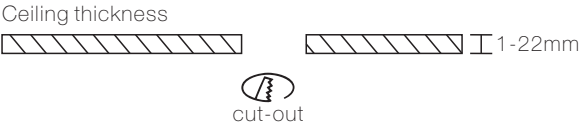
Optics Beam Angle:
24°,38°,60°



DIM to Warm available on request

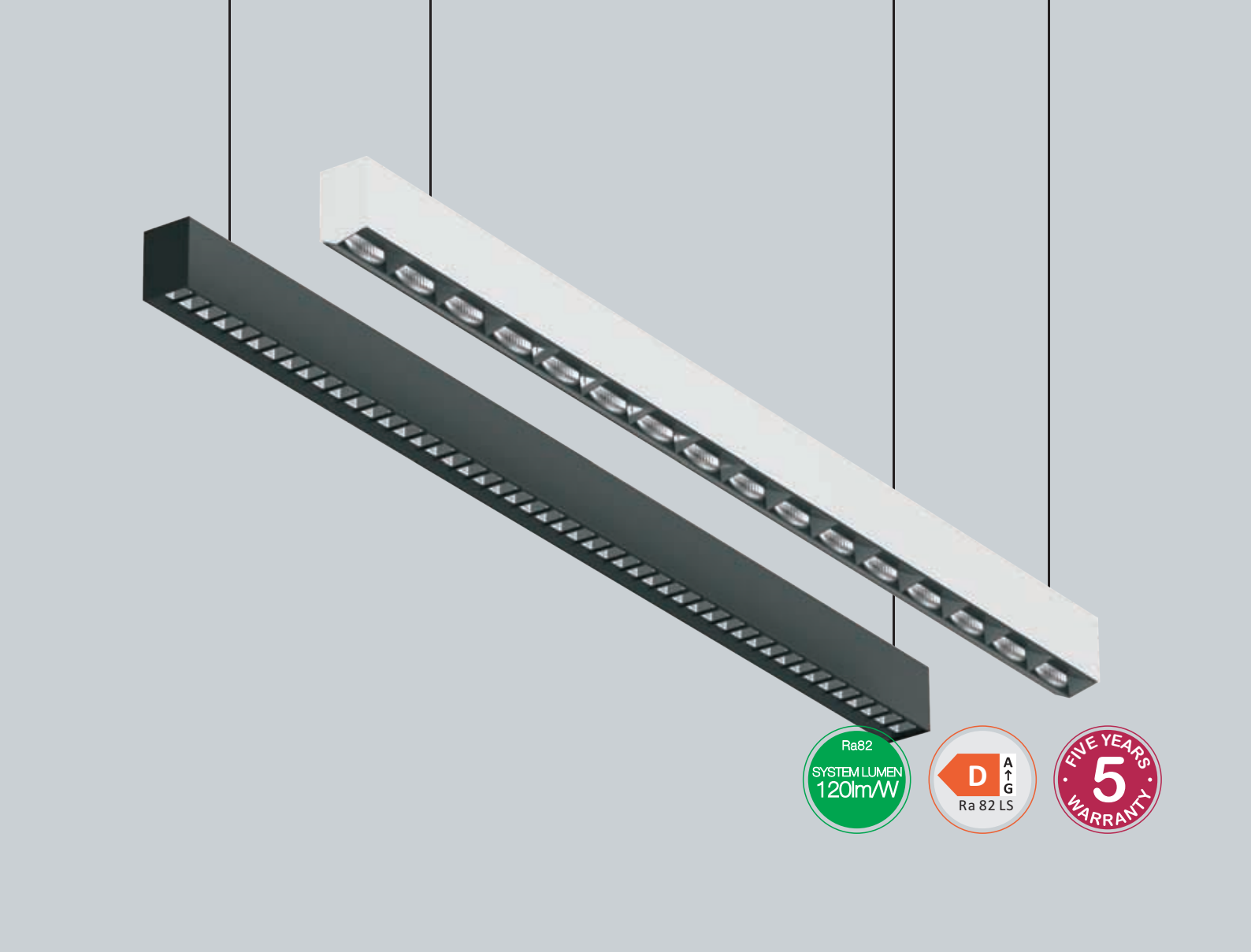


Color Rendering Index:



K&L Code	Tilt/Fix	Power(W)	Lumen(lm)	Ra	Beam Angle(°)	Dimming	Finish	DxdxH(mm)
KL-DL-100.U11	Rotation +Tilt	6	520	90	24,38,60	Triac	BK, WH	88x71x39
KL-DL-100.U15	Fix	6	520	90	24,38,60	Triac	BK, WH	88x71x39
KL-DL-100.U17	Tilt, Screwfixing	6	520	90	24,38,60	Triac	BK, WH	88x71x39
KL-DL-100.A13	Rotation +Tilt	6	320	95	38,60	Triac	BK, WH	88x71x39
KL-DL-100.A15	Fix	6	320	95	38,60	Triac	BK, WH	88x71x39
KL-DL-100.A1x	Tilt, Screwfixing	6	320	95	38,60	Triac	BK, WH	88x71x39





XLINE G2

A modular design, tailor made with variety solution for big commercial applications in quick scale installation

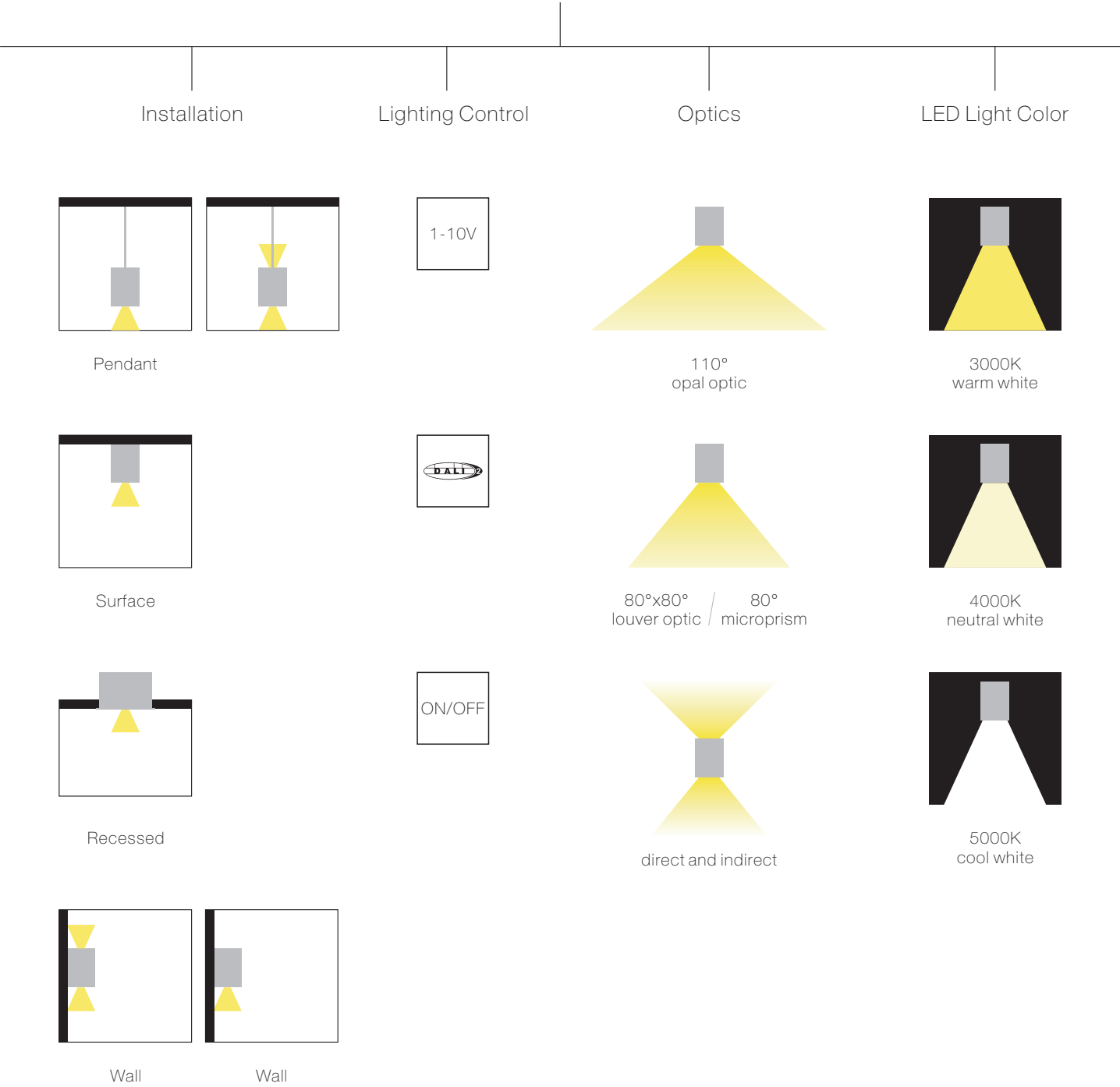
Xline G2 is an evolution of Xline plus, which positioned to different market requirement. Xline G2 is designed as the fashion linear “trunking” light for commercial application in a system. It combines with various of lighting distributions, installations, diming and control to reach your applications in new construction eara such as office, meeting room, data center, etc.

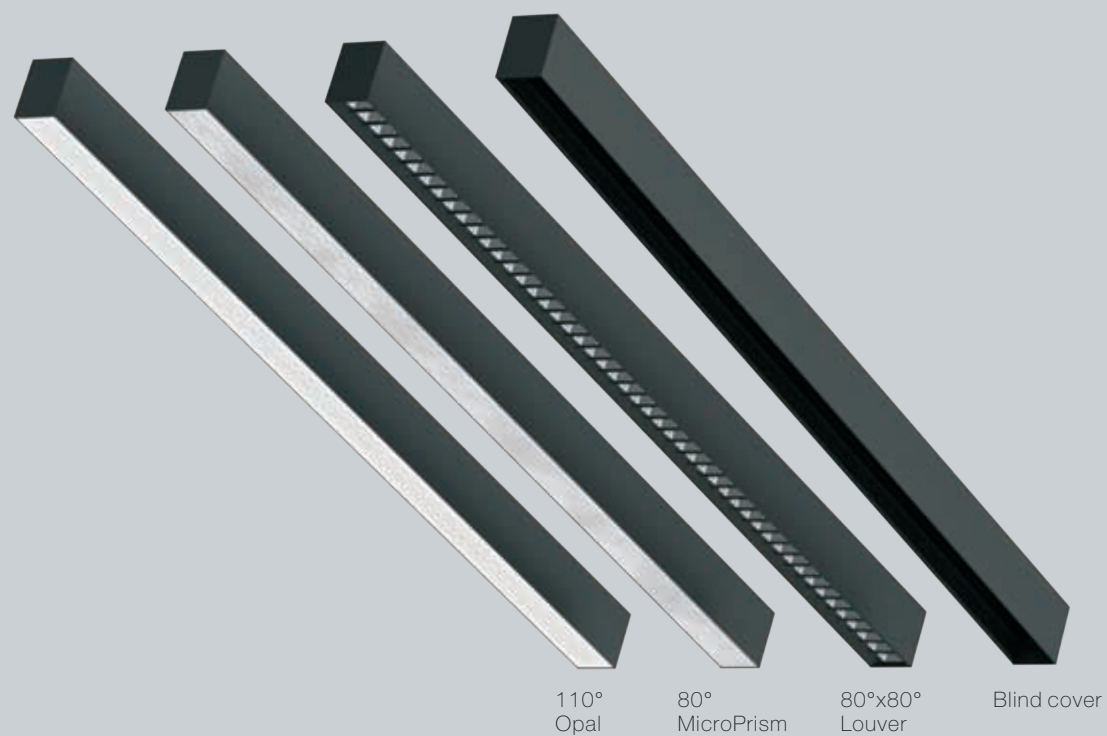
Continues the Xline Plus, the G2 linear system also is very easy for installation with plug & play design, and the light output is improved to get even better lower glare control thanks for the new optics design and wider emitting area. The Xline G2 is designed to be a system that can run the lighting, emergency, sensor and others in the coming future.

230V AC 50Hz	CE	CB	
UK CA	50,000hrs L70B10	↑AM DIMMING	FLICKER
LOOPING IN OUT	DIP- SWITCH		1-10V
ECO DESIGN	ECODESIGN ERP 2024	D A G Ra 82 LS	E A G Ra 90 LS

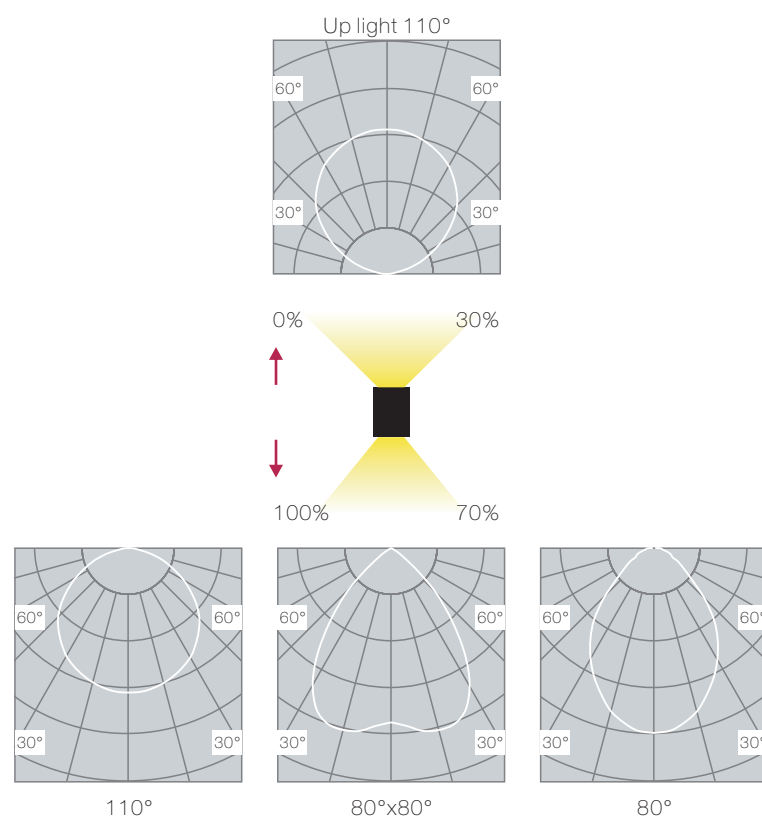
XLINE G2 LINEAR SYSTEM

A modular design, tailor made with variety solution for big commercial applications in quick scale installation



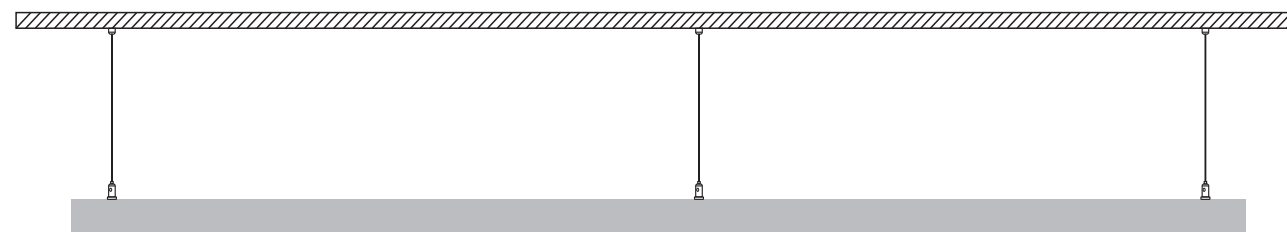


ONE SYSTEM WITH VARIOUS DISTRIBUTIONS



Seamless Continuous

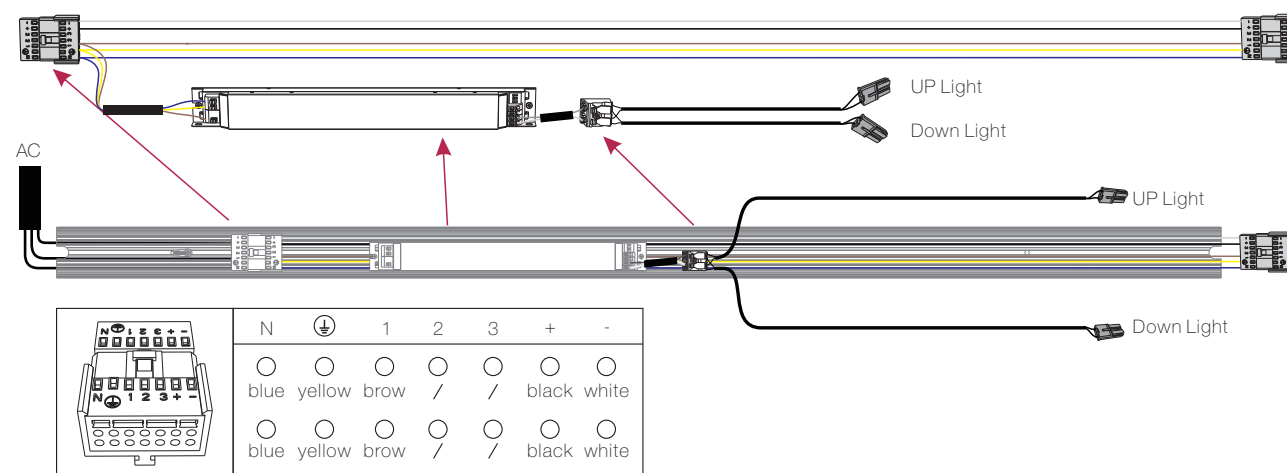
including looping cables and quick connectors, without end cap, installation accessories order separately.



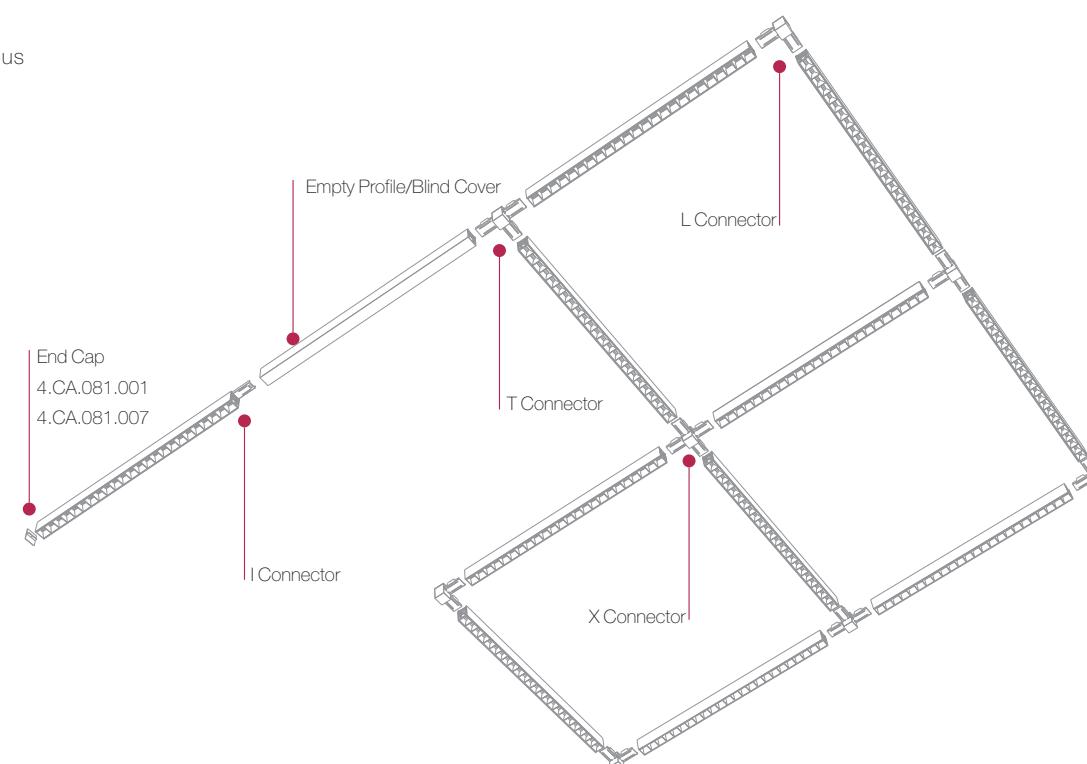
Plug-in continuous alignment system



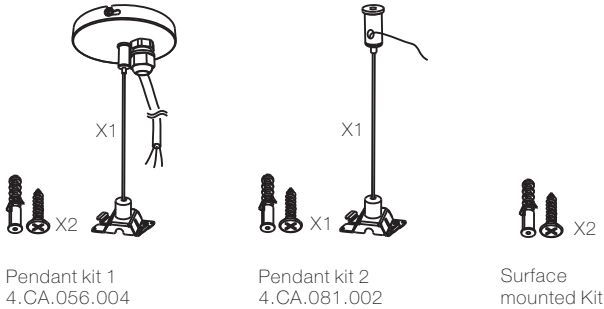
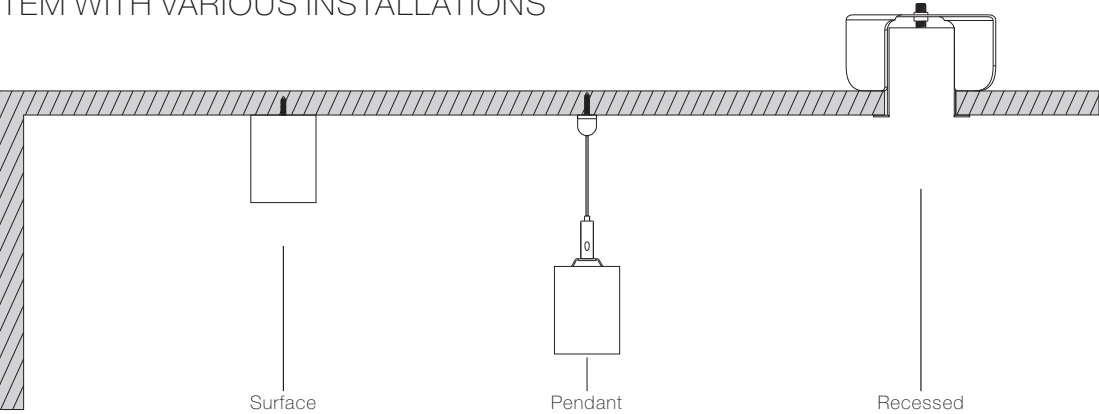
Plug & Play with prewired for quick installation



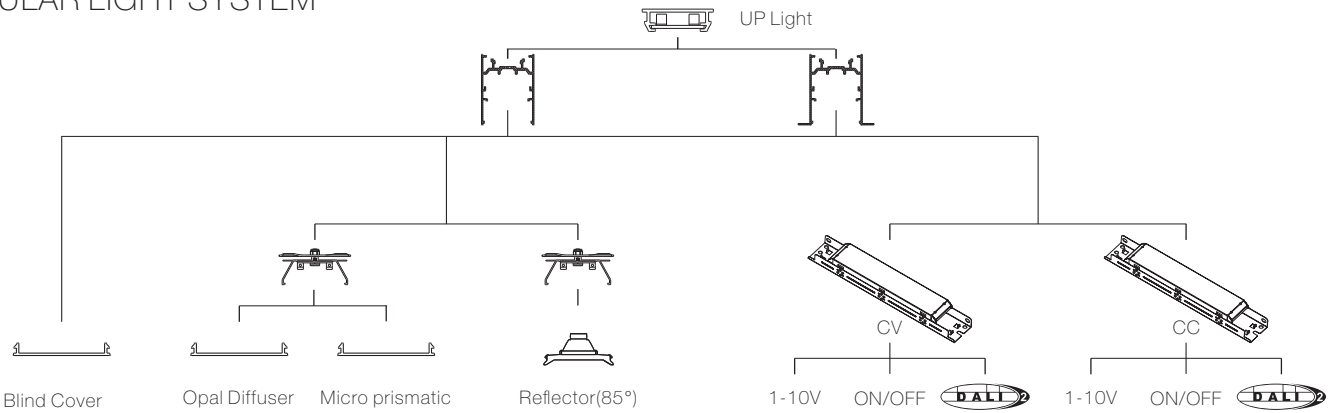
Infinity continuous



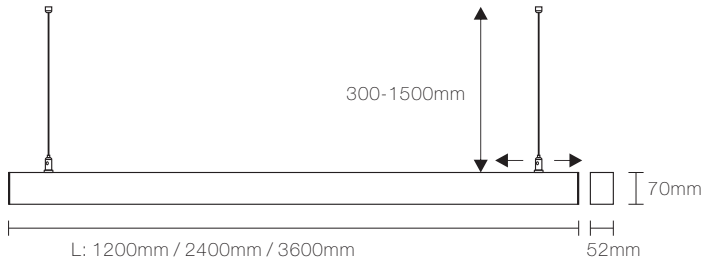
ONE SYSTEM WITH VARIOUS INSTALLATIONS



MODULAR LIGHT SYSTEM



DIMENSION



Project Ordering Guide:

Profile Aluminum + Light Engine + Optic + Driver + Mounting Accessories + Installation Accessories

Profile Aluminum

K&L Code	Mounting	Length	Prewired Poles	Finish
4.CA.083.004	Pendant, Surface, Trimless, Wall, Track	3600mm	3, 5, 7	Black, White
4.CA.083.003		1200mm	3, 5, 7	Black, White
TBC		Others On request	3, 5, 7	Black, White
4.CA.083.006	Recessed	3600mm	3, 5, 7	Black, White
4.CA.083.005		1200mm	3, 5, 7	Black, White
TBC		Others On request	3, 5, 7	Black, White

Light Engines(direct light)

K&L Code	Work with Optics	Length	Pon	Input Current	Input Voltage	CCT	System Lumen Output
4.CA.083.004	Opal diffuser, MircoPrism	1200mm	28.8W	600mA	48V	3000, 4000, 5000K	3000lm
4.CA.083.005		1200mm	45W	950mA	48V	3000, 4000, 5000K	5000lm
TBC		600mm	14.4/22.5W	300/475mA	48V	3000, 4000, 5000K	1500, 2500lm
TBC		300mm	7.2/11.2W	150/230mA	48V	3000, 4000, 5000K	750, 1250lm
4.CA.083.001	Reflector	1200mm	28.8W	600mA	48V	3000, 4000, 5000K	3000lm
4.CA.083.002		1200mm	45W	950mA	48V	3000, 4000, 5000K	5000lm
TBC		600mm	14.4/22.5W	300/475mA	48V	3000, 4000, 5000K	1500, 2500lm
TBC		300mm	7.2/11.2W	150/230mA	48V	3000, 4000, 5000K	750, 1250lm

- Note:
1. The System Lumen Output is measured with optics and driver, not the lumen output from LEDs
 2. Tunable white from 2700-6500K available on request
 3. Increments of customized length 300mm

Optics

K&L Code	Mounting	Length	Suitable for	Finish
4.CA.081.005	Opal diffuser-110°	Max.30m	Single CCT, TW	/
4.CA.081.004	MircoPrism - 80°	Max.30m	Single CCT, TW	/
4.CA.081.006	Reflector-80°	300mm	Single CCT, TW	/
4.CA.081.009	Blind Cover	1200mm	/	Black, White

Mounting Accessories

K&L Code	Mounting	w or w/o Input Cable	Cable Poles	Finish
4.CA.081.002	Pendant	W, W/O	3,5	Black, White
4.CA.081.003	Surface	W/O	/	Black, White
4.CA.081.008-3	Trimless	W/O	/	Black, White
4.CA.081.008-1	Wall	W/O	/	Black, White
4.CA.081.008-2	Recessed	W/O	/	Black, White

Installation Accessories

K&L Code	Mounting	w or w/o Input Cable	Cable Poles	Finish
4.CA.081.001	End Cap	/	/	Black, White
4.CA.081.007				

- Note:
1. The System Lumen Output is measured with optics and driver, not the lumen output from LEDs
 2. Tunable white from 2700-6500K available on request
 3. Increments of customized length 300mm

Drivers
Please refer to page for the linear driver options.



XLINE

Product: Xline Plus 30W 85°x85° 4000K
Address: Kinglumi office

XLINE LINEAR SYSTEM

infinity possibility with various lighting distributions, installations and control





XLINE PLUS

A flexible linear light to build creative and innovative lighting systems.

Xline™ plus is aesthetic and minimalist, easier for installations and newly developed the surface and track mounted besides the pendant. It's flexible and seamless continuous connection to build creative and innovative lighting system. Distinctively rectangular aluminum luminaire housing from extruded aluminum profile; No visible screws; Indirect output reflected from the ceiling provide a softer and ambient illumination. The vacuum aluminum plating faceted louver with lens design minimized the glare. Suitable for VDUs workplace light according to EN 12464-1 (UGR 19, UGR 22); Available in 1167mm and 2330mm of length, with DALI, 0-10V or ON/OFF flicker free dimming control. Various lighting distributions meet the requirement of generation lighting, asymmetric distribution for shelves and wallwasher, bi-symmetric distribution for aisle lighting.

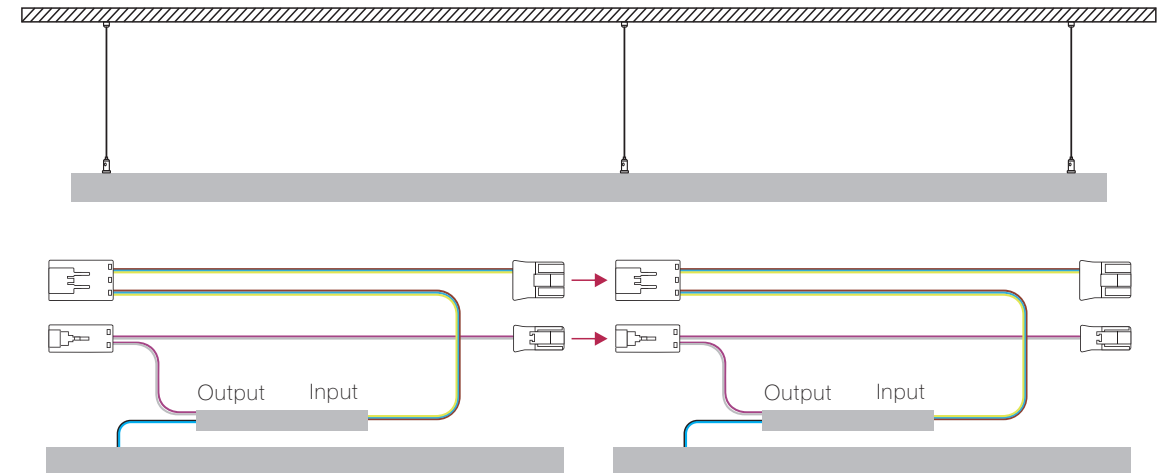


YouTube



Seamless Continuous Version

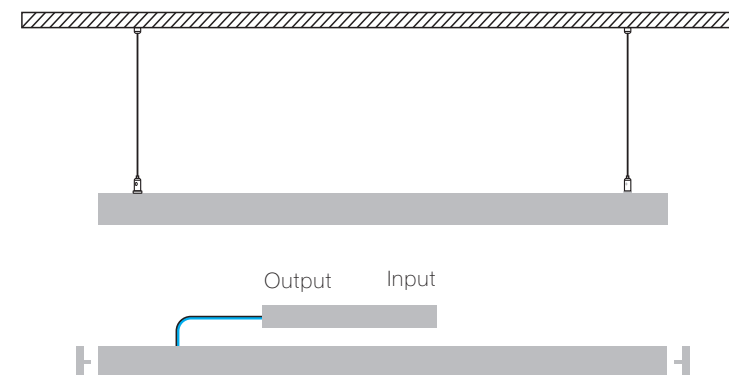
including looping cables and quick connectors, without end cap, installation accessories order separately.



Continuous version interface

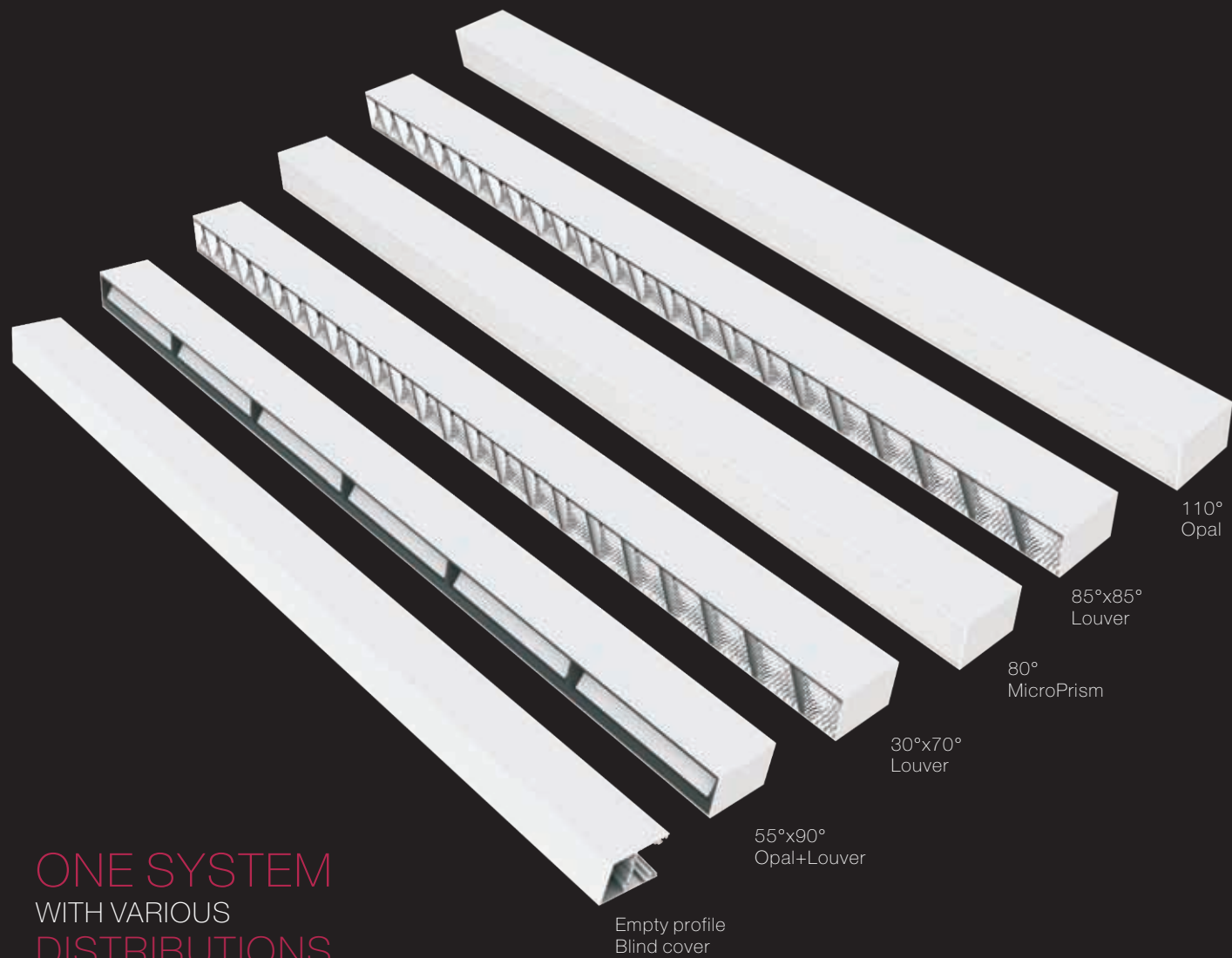
Independent Version

ready for installation, end cap fixed, installation accessories order separately.

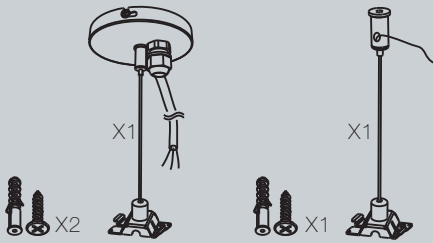


Independent version interface



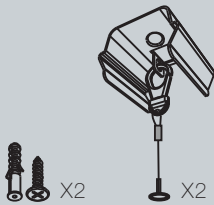


ONE SYSTEM
WITH VARIOUS
DISTRIBUTIONS

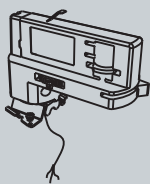


4.CA.056.004
Pendant kit 1

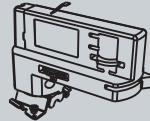
4.CA.056.005
Pendant kit 2



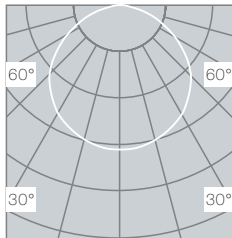
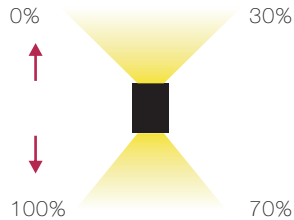
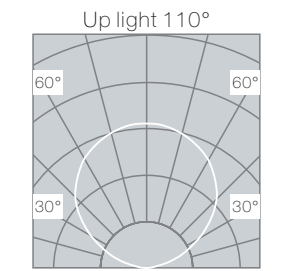
4.CA.056.007
Surface mounted Kit



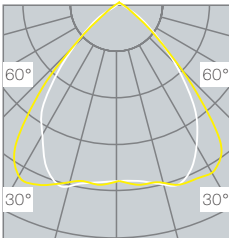
4.CA.056.008
Track adaptor kit
with cable



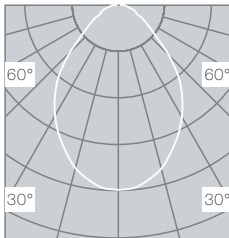
4.CA.056.009
Track adaptor kit
without cable



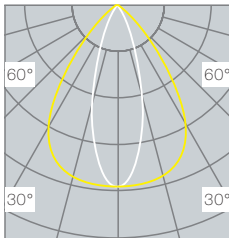
110°



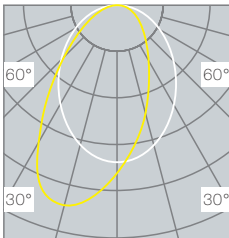
85°x85°



80°

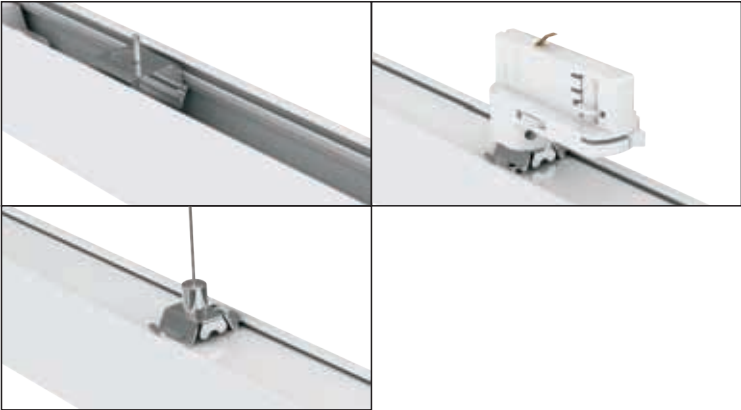


30°x70°



55°x90°

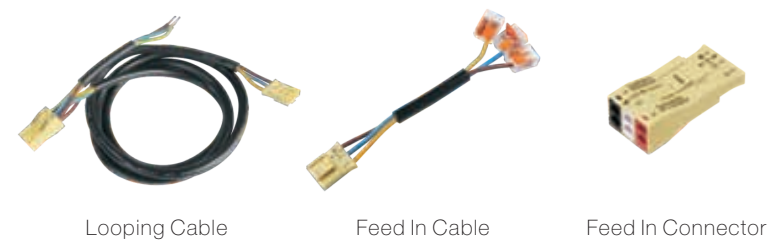
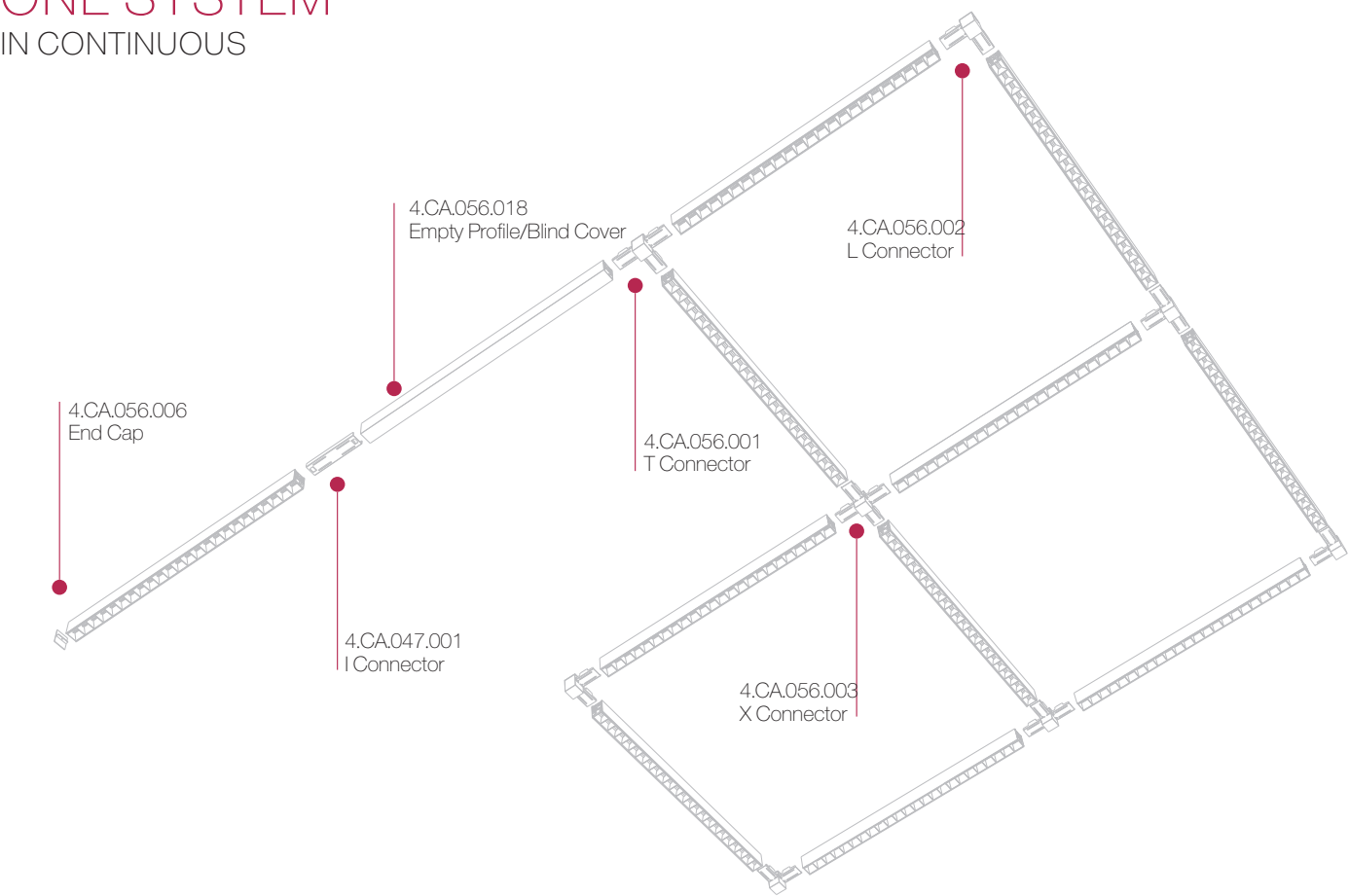
ONE
SYSTEM WITH
VARIOUS
INSTALLATIONS



K&L Code	Description	Qty.	Dimming	Finish Color
4.CA.056.007	Surface Mounted Kit	2pcs(1 pair)	/	/
4.CA.056.029	Pendant Kit: 1500mm aircraft with "└┐ Bar(not rotationable)"	1pc	/	White, Black
4.CA.056.030	Pendant Kit: 1500mm aircraft with clips	2pcs(1 pair)	/	/
4.CA.056.037	Pendant Kit: 5000mm aircraft with clips	2pcs(1 pair)	/	/
4.CA.056.004	Pendant Kit: 1500mm aircraft with clip, 1.5mm ² x 1500mm cable and canopy	1pc	ON/OFF, DALI	White, Black
4.CA.056.008	Track adptor with 0.75mm ² cable	1pc	ON/OFF, DALI	White, Black
4.CA.056.009	Track adptor without cable	1pc	ON/OFF, DALI	White, Black

ON/OFF: 3 poles wire, Brown-L, Blue-N, Yellow/Green-E
DALI: 5 poles wire, Brown-L, Blue-N, Yellow/Green-E;Red- +/DA, Black- -/DA

ONE SYSTEM
IN CONTINUOUS

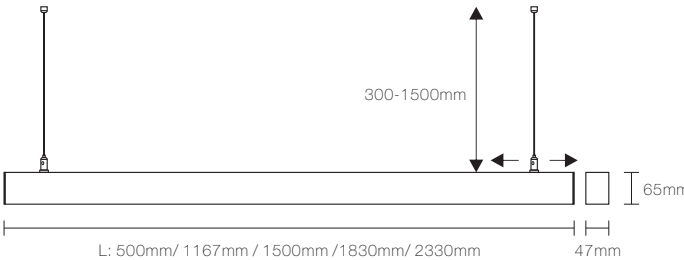


K&L Code	Name	Description	Qty.	Finish
4.CA.056.006	End Cap	Extrusion aluminum end cap	2pcs	WH,BK
4.CA.047.001	I Connector	I Connector	1pc	/
4.CA.056.002	L Connector	L Connector	1pc	WH,BK
4.CA.056.001	T Connector	T Connector	1pc	WH,BK
4.CA.056.003	X Connector	X Connector	1pc	WH,BK
4.CA.056.018-*0	Empty Profile-ON/OFF	Extrusion aluminum Empty Profile/Blind Cover, incl. ON/OFF looping cables & rear pc cover	1pc	WH,BK
4.CA.056.018-*1	Empty Profile-DALI/0-10V	Extrusion aluminum Empty Profile/Blind Cover, incl. DALI looping cables & rear pc cover	1pc	WH,BK
4.CA.056.025-0	Looping Cable-ON/OFF L1167mm	incl. 3x 1.5mm² x 135cm cable,male and female terminal at each side and cable for driver input	1pair	/
4.CA.056.025-2	Looping Cable-DALI/0-10V L1167mm	incl. (3x 1.5mm²+2x 0.2mm²) x 135cm cable, male and female terminal at each side and cable for driver input	1pair	/
4.CA.056.025-1	Looping Cable-ON/OFF L2330mm	incl. 3x 1.5mm² x 250cm cable, male and female terminal at each side and cable for driver input	1pair	/
4.CA.056.025-3	Looping Cable-DALI/0-10V L2330mm	incl. (3x 1.5mm²+2x 0.2mm²) x 250cm cable, male and female terminal at each side and cable for driver input	1pair	/
1.07.05.0048	Signal Feed In Connector-2 pole	2 x Max. 1.5mm² Poles Connector for Signal input	1pair	/
1.07.05.0049	Power Feed In Connector-3 pole	3 x Max. 1.5mm² Poles Connector for AC input	1pair	/
4.CA.056.017-0	Power Feed In Cable-ON/OFF	3x 1.5mm²x 100mm cable with female connector and WAGO 221-412Wago at each side	1pc	/
4.CA.056.017-1	Power Feed In Cable-DALI/0-10V	(3x 1.5mm²+2x 0.2mm²) x 100mm cable with female connector and WAGO 221-412Wago at each side	1pc	/

XLINE PLUS
LIGHT MODULE

Application
Office, Retail, Education, Government, Healthcare,Data center and Banks, etc.

- Features & Benefits
- Seamless Design: Continuous plug & play with looping.
 - Versatile Lighting: Direct or combined indirect.
 - Optics: General, aisle, wall-washer, and shelf lighting.
 - UGR: Ranges from 19 to 22 based on optics.
 - Efficiency: 120lm/W; Macadam 4 SDCM.
 - Flicker-Free: Pst<1.0; SVM<0.4; flicker percentage <3%
 - Energy Class: Features Class D/E light source.
 - Professional Maintenance: Replaceable light source & control gear.
 - Eco-friendly: WEEE compliant; recyclable, not for regular trash.



* Other CCT, length, lumen output on request

K&L Code	Length(mm)	Power(W)	Lumen(lm)	CCT(K)	Up/Down Light(%)	Down Light Beam Angle(°)	Up Light Beam Angle(°)	Continuous	Dimming	Finish Color
4.TR.059.V01	500	24	2800	3000 4000 5000	Direct Lighting 0% : 100%	110 85x85 80 30x70 55x90	110	Continuous Independent	ON/OFF 0-10V DALI DT6	BK, WH
4.TR.043.V01	1167	30	3500							
4.TR.043.V05	1167	45	5300							
4.TR.055.V01	1500	30	3500							
4.TR.055.V05	1500	45	5300							
4.TR.055.V09	1500	60	7000							
4.TR.055.V13	1800	30	3500							
4.TR.055.V17	1800	45	5300							
4.TR.055.V21	1800	60	7000							
4.TR.043.V09	2330	45	5300							
4.TR.043.V13	2330	90	10500							
4.TR.059.V03	500	24	2800		Indirect/Direct Lighting 30% : 70%					
4.TR.043.V03	1167	30	3500							
4.TR.043.V07	1167	45	5300							
4.TR.055.V03	1500	30	3500							
4.TR.055.V07	1500	45	5300							
4.TR.055.V11	1500	60	7000							
4.TR.055.V15	1800	30	3500							
4.TR.055.V19	1800	45	5300							
4.TR.055.V32	1800	60	7000							
4.TR.043.V11	2330	45	5300							
4.TR.043.V15	2330	90	10500							

Lighting Symbols

	220-240VAC 50Hz Input Power Supply		Type IC	Suitable for insulated ceiling		EL	A.c and/or d.c.maintained emergency electronic control gear/LED Driver.
	90-2640VAC 50Hz Input Power Supply			Do not cover the thermal insulating material			The device is suitable for installing on or in furniture which is made from materials with unknown flammability properties.
	100-277VAC 60Hz Input Power Supply		LM79	Photometric testing report for LEDs that contains information such as lumens, color temperature, power, current, etc.		RoHS	RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment) summarises EU directive 2002/95/EC
	108-132VAC 60Hz Input Power Supply		LM80	Testing report for LEDs that contains information on the lifespan of the LED.			Short-circuit-proof with safety insulation Non-short-circuit-proof with safety insulation
	Indoor	Indoor use only					
	Class I luminaire						
	Class II	Class II luminaire					
	Class III luminaire						
	Dry Location	Suitable for dry locations only					
	Damp Location	Suitable for dry and damp locations only					
	Wet Location	Suitable for dry, damp and wet locations					
	IK08	Impact Protection Rate					
	TRIAC ELV	Dimmable with Triac and ELV dimmers					
	1-10V Dimmable						
	DALI Dimmable (IEC 62386-207: device type 6)						
	Adjustable Motion Sensor for occupation						
	No tool is required to install the product						
	LED Driver equipped with active Power Factor Corrector						
							
							
							
							



The DesignLights Consortium promotes quality, performance, and energy-efficient commercial sector lighting solutions through collaboration among its federal, regional, state, utility, and energy efficiency program members, luminaire manufacturers, lighting designers, and other industry stakeholders throughout the U.S. and Canada.



California Energy Commission has adopted and periodically updated the Standards (codified in Title 24, 2016 JAB of the California Code of Regulations) to ensure that building construction, system design, and installation achieve energy-efficiency and preserve outdoor and indoor environmental quality.



UL is a world leader in product safety testing and certification. For more than 100 years, manufacturers have had their merchandise evaluated and tested for safety risks by an independent, third-party safety certification organization.



The federal government establishes minimum performance requirements for energy efficiency in lighting and other consumer products. Buying ENERGY STAR labeled products ensures that you are making an environmentally responsible choice that will also reduce your energy costs.



A program of the U.S. Department of Energy that showcases LED products for general illumination from manufacturers who commit to testing products and reporting performance results according to industry standards.



The FCC is responsible for managing and licensing the electromagnetic spectrum for commercial users and for non-commercial users including: state, county and local governments.



The ETL Listed mark indicates that Kinglumi products have been tested by Intertek and were found in compliance with accepted national standards.



The product meets all the legal requirements for CE marking and can be sold throughout the EEA.



ENEC means safety in Europe, and all signatories of the ENEC Mark Scheme actively support its commitment to the highest safety levels.



Dim to warm, warm dimming
with 3000K(2800K) to 2000K



TUNABLE WHITE
2700K-6500K



Factory Warranty



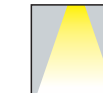
Color rendering index.



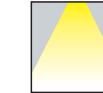
Color temperature in K



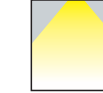
Narrow Spot(10~15°)



Spot(20~30°)



Flood(34~45°)



Wide flood(55~90°)



Very wide flood(100-120°)



Single asymmetric wallwash



Double asymmetric wallwash

Glossary of lighting terms

2C/2N(2circuit 2Neutral) Track: A 4-wire track system, with 2 Live and 2 Neutral connection. There has 120VAC and 277VAC option.

AC(Alternating Current): The flow electricity(electric current) in a circuit that alternates direction every second with a standard current frequency of 50Hz/60Hz.

Accent Lighting: Directional lighting to emphasize a particular object or surface feature, or to draw attention to a part of the field of view.

Airtight: Not allowing air to escape or pass through the holes. Normally, a downlight request a hole on ceiling for mounted, with airtight downlight, it can stop the air circulation.

Ambient Temperature (Ta): The air temperature surrounding the device.

American National Standards Institute (ANSI): The organization that coordinates voluntary guidelines and standards for the electrical and other industries.

Annulight: A trade mark of Kinglumi Co., Ltd.

ANSI Binning: The system defined by the American National Standards Institute for the binning specifications for light emitting diodes.

Ballast: A device used with an electric-discharge lamp to provide the necessary circuit conditions (voltage, current, and wave form) for starting and operating.

Barndoor: A set of adjustable flaps—usually two, four, or eight—that may be attached to the front of a luminaire (usually a Fresnel spotlight) speed ring or to an accessory holder in order to partially control the shape and spread of the light beam.

Beam Angle (Spread): The central part of the beam of light from a reflector lamp (i.e. BR, MR and PAR types) where the intensity is 50% of the maximum candle power.

BBBL: The Chromaticity Coordinate of LED is below the Black Body Curve.

Black Body / Black Body Radiator: An object that absorbs all electro-magnetic radiation falling on it. Because it reflects no light, a black body appears black. As a black body is heated to incandescence, it radiates light in a sequence of colors, from red to orange to yellow to white to blue, depending on its temperature. This color sequence describes a curve within a color space, known as the black-body curve.

Black Body Curve: A curve within a color space describing the sequence of colors emitted by a black-body radiator at different temperatures.

Brightness: The attribute of a visual sensation according to which an area appears to emit more light or less light.

CAMETA: A trade mark of TIR lens developed by Kinglumi Co., Ltd. in 2010, with Chinese patent.

Candela (cd): The measuring unit of luminous intensity of a light source in a given direction. A light source may have different intensities depending upon the given direction which the measurement is taken. The old measurement equated to the amount of light produced by a standard candle.

Candlepower (cp): Luminous intensity expressed in candelas. Typically used in measuring the luminous intensity distribution of a reflector lamp or lighting fixture.

Case Temperature: The temperature measured at the LED package or case.

Center Beam Candle Power (CBCP): The intensity of light produced at the center of a reflector's beam, expressed in candelas.

Chromaticity: An objective specification of the quality of colour regardless of its luminance.

Coefficient of utilization(CU): The ratio of luminous flux (lumens) calculated as received on the work plane to the total luminous flux (lumens) emitted by the lamps alone. It is equal to the product of room utilization factor and luminaire efficiency.

Color Rendering Index (CRI): An index from 0-100 measuring a light source's ability to render color accurately. Sodium lamps can have a CRI as low as 22, while tungsten Halogen lamps can have a CRI as high as 100. Any lamps rated above 80 CRI tend to be of good color rendering.

Color Temperature: The measure of the color appearance of a light source which describes the apparent warmth of coolness of that light source.

Compact Fluorescent Lamp (CFL): The standard term given to small diameter Fluorescent lamps, some of which have built-in ballasts and medium screw bases for replacement of Incandescent lamps.

Cones: Retinal receptors that dominate the retinal response when the luminance level is high and provide the basis for the perception of color.

Constantly Current: A circuit in which the current remains constant but the voltage may vary.

Current: A measure of the rate of flow of electricity, expressed in amperes.

DALI(Digital Addressable Lighting Interface): A digital communications protocol for controlling and dimming lighting fixtures, originally developed in Europe.

Die-casting: A metal casting process that is characterized by forcing molten metal under high pressure into a mold cavity. The mold cavity is created using two hardened tool steel dies which have been machined into shape and work similarly to an injection mold during the process.

Diffuser: A device to redirect or scatter light from a source, primarily by the process of diffuse transmission.

DIM: To reduce the illuminance produced by a luminaire. Though mechanical means may be utilized (see iris), the usual reference is to the use of an electrical dimmer. Dimmable: A lamp that has varying lumen output controlled by dimming device.

Dimmer: An electronic device used to vary the lumen output of a lamp.

DIM to Warm: A products are suited for hospitality and entertainment venues such as hotels, restaurants, cafeteria and theatres, where there is a desire to mimic the behavior of incandescent lamps. When delivering maximum light output, the color is white, but when lighting is dimmed, the CCT drops to simulate dimmed incandescent or candlelight. Judges observed that the color quality in the submitted product was stellar, even at the lowest end of the dimming range.

Direct Current (DC): A type of electrical current and distribution by which electricity flows in one direction through the conductor. Battery operated systems are typical DC applications. (See Alternating Current)

Direct Lighting: Lighting involving luminaires that distribute 90% to 100% of the emitted light in the general direction of the surface to be illuminated. The term usually refers to light emitted in a downward direction.

Downlight: A small direct-lighting unit that directs the light downward and can be recessed, surface mounted, or suspended.

Efficacy: The measured effectiveness at which lamps convert power (measured in watts) into light (measured in lumens). Also see Lumens Per Watt.

Emergency Lighting: Lighting designed to supply illumination essential to the safety of life and property in the event of failure of the normal supply.

Energy Policy Act (EPACT): Energy legislation passed in 1992 by the U.S. Congress. The law involves a variety of different industries including lighting. The lighting section of the legislation covers lamp labeling and minimum energy efficiency standards (lumens/watt) for many commonly used lamps including incandescent and Fluorescent sources.

ELV-type Dimmer: An electronic low voltage dimmer, used to dim LED lighting fixtures with electronic transformers.

Extrusion: a process used to create objects of a fixed cross-sectional profile. A material is pushed through a die of the desired cross-section.

Field Angle: The angle between the two directions for which the intensity is 10% of the maximum intensity as measured in a plane through the nominal beam centerline. For beams that do not possess rotational symmetry, the beam angle is generally given for two planes at 90 degrees, typically the maximum and minimum angles. Note that in certain fields of application the angle between the 10%-of-maximum directions was formerly called beam angle.

Flicker Index: A measure of the cyclic variation in output of a light source, taking into account the waveform of the light output. It is the ratio of the area under the light output curve that is above the average light output level to the total area under the light output curve for a single cycle.

Flicker Percentage (Flicker %): A relative measure of the cyclic variation in output of a light source (percent modulation).

Fluorescent Lamp: A low-pressure mercury discharge lamp in which an electric discharge of ultraviolet energy excites a coating of phosphor on the lamp glass and transforms some of that energy to visible light. Fluorescent lamps are manufactured in many different forms including linear four foot T8 lamps, U-shaped and Coiled Compact Fluorescent lamps with integrated ballasts. Fluorescent lamps typically require a matching ballast to operate the lamp properly.

Forward voltage: LEDs are current driven devices. If an external current is passed through the device, a forward voltage will be devel-oped across the diode.

Frequency: The number of times per second that an alternating current system reverses from positive to negative and back to positive, expressed in hertz (Hz).

General Lighting: Lighting designed to provide a substantially uniform level of illuminance throughout an area, exclusive of any provision for special local requirements.

GLOBAL Track Adapter: A 4wire 3Circuit track adapter, compatible with GLOBAL pro three-circuit system (GLOBAL is a registered trademark of Nordic Aluminium).

Goniophotometer: A photometer for measuring the directional light distribution characteristics of sources, luminaires, media, and surfaces.

Halogen Lamp: A higher pressure, high temperature incandescent lamp containing Halogen gas that recycles tungsten back onto the filament surface. The Halogen cycle allows for higher efficacy, higher color temperature, and longer life cycles than incandescent lamps.

Heat Sink: A part of the thermal system that conducts or disperses heat away from sensitive components, such as LEDs and electronics.

Hertz (Hz): A unit of frequency equal to one cycle per second (see Frequency). The U.S. standard is 60 Hz.

High Power LED: A high power LED, sometimes referred to as a power LED, is one that is driven at a current of 350mA or higher.

High Intensity Discharge Lamp (HID): A high pressure lamp in which high intensity light is produced by an electrical arc source. General terminology for Mercury lamps, Metal Halide lamps, High Pressure Sodium lamps, High Pressure Xenon lamps, or any other high intensity arc discharge source.

H-Type: A track adapter, compatible with Halo 3wire 1circuit track system(Halo is a registered trademark of Cooper Lighting).

IC Downlight: A downlight which designed to allow insulation thermal materials to direction covered it.

Illuminance: E=dΦ/dA, The areal density of the luminous flux incident at a point on a surface.

Illumination: An alternative, but deprecated, term for illuminance. It is sometimes used because illuminance is subject to confusion with luminance and illuminants, especially when not clearly pronounced.

Indirect Lighting: Lighting involving luminaires that distribute 90% to 100% of the emitted light upward.

Initial Lumens: The luminous output of a new light source. Quantity of light output measured after 100 hours of operation using controlled system characteristics.

Inrush Current: The current generated during the initial start up of a lamp system. Inrush current can be several times higher than the operating current of a lamp.

Integrating Sphere: A hollow sphere whose internal surface is a diffuse reflector and is as spectrally non-selective as possible.

Isolux (isofootcandle) line: A line plotted on any appropriate set of coordinates to show all the points on a surface where the illuminance is the same. A series of such lines for various illuminance values is called an isolux (isofootcandle) diagram.

J-Type: A track adapter, compatible with Juno 1 circuit track system(Juno is a registered trademark of Juno Lighting).

Junction Box: A box containing a junction of electric wires or cables.

Junction Temperature: Junction temperature, noted as Tj, is the temperature of the LED's active region.

Kelvin: A unit of color temperature measurement. (See Correlated Color Temperature).

Kilowatt (kW): A measure of electrical power equal to 1000 watts.

Leadership in Energy & Environmental Design (LEED): The U.S. Green Building Council's (USGBC) green building certification program that requires buildings to satisfy certain prerequisites to achieve different levels of certification.

Leading Edge Dimmer: A type of dimmer that regulates power to lamps by delaying the leading edge of each half-cycle of AC power. Compatible with many LED fixtures.

LED Array or Module: An assembly of light emitting diode (LED) packages (components), or dies on a printed circuit board or substrate, possibly with optical elements and additional thermal, mechanical, and electrical interfaces that are intended to connect to the load side of an LED driver. Power source and ANSI standard base are not incorporated into the device. The device cannot be connected directly to the branch circuit.

LED Chip (Chip): The light producing semiconductor device that may or may not be incorporated into an LED.

LED Driver: A device composed of a power source and light emitting diode (LED) control circuitry designed to operate an LED package (component), an LED array (module), or an LED lamp.

LED Light Engine: An integrated assembly comprised of LEDs or LED arrays, LED driver, and other optical, thermal, mechanical, and electrical components.

LED Luminaire: A complete lighting unit consisting of light emitting diode (LED)-based light emitting elements and a matched driver together with parts to distribute light, to position and protect the light emitting elements, and to connect the unit to a branch circuit. The LED-based light emitting elements may take the form of LED packages (components), LED arrays (modules), an LED light engine, or LED lamps. The LED luminaire is intended to connect directly to a branch circuit.

Lens: A transmitting element used to change the direction and control the distribution of light rays.

Light distribution curve: A three dimensional shape describing the light distribution from a light source or a luminaire.

Light efficiency of a luminaire: A value given in lm/W, describing the ratio of the luminous flux emitted by a luminaire and the energy consumed by it.

Light-Emitting Diode (LED): A Light Emitting Diode (LED) is a solid-state semiconductor device that converts electrical energy directly into light. On its most basic level, the semiconductor is comprised of two regions. The p-region contains positive electrical charges while the n-region contains negative electrical charges. When voltage is applied and current begins to flow, the electrons move across the n-region into the p-region. The process of an electron moving through the p-n junction releases energy. The dispersion of this energy produces photons with visible wavelengths.

Light Intensity(cd): The amount of light falling on a given point.

Lifetime: The estimated period in working life span.

LM-79: Photometric testing report for LEDs that contains information such as lumens, color temperature, power, current, etc.

LM-80: Testing report for LEDs that contains information on the lifespan of the LED.

L-Type: A track adapter, compatible with Lightolier 2wire 1circuit track system(Lightolier is a registered trademark of Philips Lighting).

Lumens: The international unit of measurement for light. A measurement of total quantity of light output from an electric lamp in all directions for a given unit of time. (See Initial Lumens and Mean Lumens).

Lumens Per Watt (LPW, lm/W): Efficacy; Lumen output divided by lamp watts consumed.

Lumen Depreciation: The decrease in lumen output of a light source over time, until failure.

Luminaire (Light fixture): A complete lighting unit consisting of a lamp(s) and ballast(s) (when applicable), together with the parts designed to distribute the light, to position and protect the lamps, and to connect the lamps to the power supply.

Luminaire Efficiency: The ratio of luminous flux (lumens) emitted by a luminaire to that emitted by the lamp or lamps used therein.

Luminaire Power: The total power consumption of a luminaire.

Luminaire Spacing Criterion(SC): A classification parameter for indoor luminaires relating to the distribution of the direct-illuminance component produced on the work plane. The spacing criterion of a luminaire is an estimated maximum ratio of the luminaire spacing to the luminaire mounting height above the work plane for a regular array of that luminaire such that the work plane illuminance will be acceptably uniform.

Luminance: Photometric brightness, luminance is a measure of the flux emitted from, or reflected by, a relatively flat and uniform surface. Luminance may be thought of as luminous intensity per unit area. Candelas per square meter (cd/m2).

Luminous flux–LED: The total combined luminous flux of all LED sources installed in a luminaire, given as the diode's nominal temperature.

Luminous flux–luminaire: The total luminous flux of the luminaire, taking into account all losses resulting from the optical systems used, the temperature

Luminous intensity of a LED: The power of the LED-modules installed in a luminaire.

Lux (lx): An international metric unit of luminance. One lux is equal to 1 lumen per square meter (see footcandle). 1 lx = 1 lumen per square meter (lm/m2).

MacAdam Ellipse: A MacAdam ellipse is the region on a chromaticity diagram which contains all colors which are indistinguishable, to the average human eye, from the color at the center of the ellipse.

MPCB: A widely accepted Printed Circuit Board (PCB) material with a Metal Core (MC) for better thermal performance.

Metal Halide Lamp: A member of the high intensity discharge light source family. The light from this source is produced by the radiation from mercury, together with halides of metals such as sodium, scandium, indium and dysprosium. Metal Halide light sources typically require a matching ballast to operate the lamp properly. Metal Halide lamps are available in single-ended and double-ended varieties. Lamp design varies from tubular to elliptical shapes.

Modular design: A design approach that subdivides a system into smaller parts called modules, which can be independently created and then used in different luminaires. A modular system can be characterized by functional partitioning into discrete scalable, reusable modules.

Operating Current: Steady state current consumed by a lamp at rated watts.

Phosphor: An inorganic chemical compound processed into a powder and deposited on the inner glass surface of certain discharge lamps. Phosphors absorb short wavelength ultraviolet radiation, transforms it and emits it as visible light.

Photobiological Hazard: The possible risk of biological injury due to optical radiation.

Photobiology: A branch of biology that deals with the effects of optical radiation on living systems.

Photometer: An instrument for measuring photometric quantities such as luminance, luminous intensity, luminous flux, or illuminance.

Planckian Black Body Locus: The line on the CIE Chromaticity Diagram that describes the color temperature of an object when heated

Power Factor (PF): A measure of the effectiveness of which an electrical device converts amperes to watts. Power factors can range from 0 to 1.0. A high power factor means that an electrical system is utilizing power efficiently. Devices with power factors of greater than 0.90 are considered "high power factor." from approximately 1,000K to more than 10,000K.

Projector: A lighting unit that, by means of mirrors and lenses, concentrates the light into a limited solid angle so as to obtain a high value of luminous intensity.

Ra: An average value of color rendering index R1 to R8, which measuring a light source's ability to render color accurately.

Reflection: A general term for the process by which the incident flux leaves a (stationary) surface or medium from the incident side, without change in frequency.

Reflectivity: Reflectance of a layer of a material of such a thickness that there is no change in reflectance with increase in thickness.

Reflector: A device used to redirect the flux from a source by the process of reflection.

SDCM: See Standard deviation of color matching (SDCM)

SMDs: Surface-mount LEDs.

Snoot/Funnel: In television, film and theater lighting: A metal tube that can be mounted on the front of a spotlight to control stray light.

Soft Light: Diffuse illumination that produces soft-edged, poorly defined shadows on the background when an object is placed in its path; A luminaire designed to produce such illumination.

Solid Angle: A measure of that portion of space about a point bounded by a conic surface whose vertex is at the point. It is defined as the ratio of intercepted surface area of a sphere centered on that point to the square of the sphere's radius. It is expressed in steradians.

Solid-State Lighting: A description of the devices that do not contain moving parts or parts that can break, rupture, shatter, leak or contaminate the environment.

Spacing-to-mounting-height ratio(S/MH): The ratio of the actual distance between luminaire centers to the mounting height [see mounting height, MH (interior)].

Spotlight: A form of floodlight usually equipped with lens and reflectors to give a fixed or adjustable narrow beam.

Standard deviation of color matching (SDCM): Describes the difference between two colors. A difference of one to three SDCM "steps" is virtually imperceptible, a difference of four SDCM steps is just noticeable, and a difference of more than four SDCM steps is readily visible.

Surface Mounted Luminaire: A luminaire that is mounted directly on a wall or on the ceiling.

Suspended (pendant) Luminaire: A luminaire that is hung from a ceiling by supports.

Thermal Management: Controlling the operating temperature of the product through design, examples include heat sinks and improved airflow.

Thermal Resistance (K/W): The property of a material's ability to conduct heat.

Total Harmonic Distortion (THD): A measure of the distortion of an electrical wave form. THD is expressed in percent and may refer to individual electrical loads (such as a ballast). The ANSI recommendation is for THD to be no greater than 24%.

Trailing Edge Dimmer: A type of dimmer that regulates power to lamps by delaying the end of each half-cycle of AC power. Compatible with many LED fixtures.

Triac Dimmer: TRIAC dimmers are designed for resistive loads such as incandescent or halogen lights and have a significant installed base in the worldwide.

Tunable White Light: White-light LED fixtures that combine channels of warm white and cool white LEDs to produce a range of color temperatures.

UGR(Unified Glare Rating): The unified glare rating is a formula for measuring glare levels, calculated for lightning systems at the design stage.

Ultraviolet (UV): The portion of the electromagnetic spectrum in which the longest wavelength is just below the visible spectrum, extending from approximately 4nm to approximately 400nm.

Voltage: The force or the pressure of electricity. For incandescent and Halogen lamps, voltage generally refers to the line voltage of which the lamp should be connected. For HID, Fluorescent, and Low-Voltage lamps, the voltage generally refers to the operating voltage which the lamp is connected to a power supply (ballast or transformer) after it has warmed up.

Wavelength: Distance between two successive points of a periodic wave. The wavelengths of light are typically expressed in nanometers (nm), or billionths of a meter.

Working Temperature: Temperature range in which the luminaire can be safely used.

Work Plane: The plane on which a visual task is usually done, and on which the illuminance is specified and measured. Unless otherwise indicated, this is assumed to be a horizontal plane 0.76 meters (30 inches) above the floor.



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Three key ways to google map the location of Kinglumi:

1. Google map:Shenzhen Tangtou Ave Ming Tien Coffee Language(Kinglumi is 50 meters nearby)
2. Type the url on browser: <https://goo.gl/maps/9b4dFj4DHDT2>
3. Search the following QR code:



Google map
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