HÄFELE

www.hafele.com/us

LIGHTING CATALOG 2017

Wood-Mode Fine Custom Cabinetry

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HÄFELE:

A GLOBAL REPUTATION FOR QUALITY

Throughout the United States and around the world, the Häfele brand is known and respected for product innovation and excellence. Today, the Häfele portfolio ranges from decorative hardware, storage solutions and sliding systems to office organization, LED lighting and RFID electronic locks. Deeply committed to product availability and fast delivery, the company maintains large distribution centers across the country. Personal, professional customer support is never more than a call or click away. Häfele has always been driven by functionality that makes life easier and better.

LEADING THE INDUSTRY IN LED LIGHTING

Recognizing that LED lighting was the next logical value-added step for lighting, Häfele embraced the technology and developed the Loox Plug and Play LED system—a solution that assures maximum flexibility and performance with minimal installation.

OVERVIEW: PREMIUM QUALITY LED LIGHTING ADVANTAGES

Häfele premium quality LEDs (Light Emitting Diodes) have features that make them ideal for a wide range of applications. For cabinets and entire rooms, LED lights offer beautiful, controllable and discrete illumination with unlimited creative possibilities. Here are just a few of their practical advantages:

LONG LASTING

LED lights have an extremely long service life of up to 25 years or 50,000 hours. This dramatically reduces maintenance and replacement costs.

COOLER

Because of their extremely low power consumption, LED lights generate hardly any heat. This makes LED lighting systems especially suitable for displays and enclosed spaces.

ENERGY-SAVING

LED lights use an impressive 90 percent less power than conventional light bulbs. They can be used to create modern residential and commercial lighting scenarios, and still be in line with the energy saving trend.

UL LISTED

All of the Loox LED lighting offered by Häfele America is UL listed. The Underwriters Laboratory seal of approval lets electricians and inspectors know that the product is safe to install because it is tested to UL standards and rated suitable for use within closed storage spaces such as closets and cabinets.

POWERFUL

Even with their small footprint, LED lights are bright and produce a saturated light color. They achieve full brightness as soon as they're switched on, and are fully dimmable with no buzzing or humming.

PREMIUM QUALITY BINNING

Binning is the sorting of LEDs according to specific criteria. Binning tests are used to determine consistency and accuracy to create reliable performance standards. LEDs are measured for color consistency, light intensity and voltage regulation.

DURABLE

LEDs have an extremely strong and sturdy design. This makes handling easier during project construction, installation or transport.

NO UV RAYS

Häfele premium quality LEDs emit no ultraviolet wave length rays which minimizes fading of fabrics, paint and artwork compared to traditional light sources or low quality LEDs.

HÄFELE LOOX LED COMPONENTS

The Häfele Loox LED system is a versatile, integrated solution that lets you customize the lighting design for virtually any cabinet application. Here are the basic components:

LIGHTS

The Loox system provides a wide range of LED lights for different lighting effects and installation requirements. Strip, puck and bar lights offer options for optimum lighting coverage and brightness.

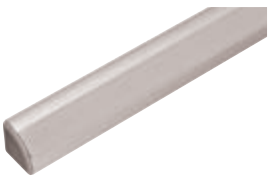
DRIVERS

Loox has a driver (power source) with the right output for any system. Choose from 12 V, 24 V or 350 mA. All Loox drivers are compatible with the different voltages and frequencies found in countries around the world.

SWITCHES

Loox switches plug directly into the driver and allow control of the lights connected to that driver. Any switch is suitable for any driver. Additional control units are not needed.

ALUMINUM PROFILES



For many applications, Loox strip lighting slides into an aluminum profile that mounts easily for an integrated look.

LED LIGHTING
IN KITCHENS

UNDER CABINET LIGHTING

2029 Flexible Strip Light, page **2.11**
Recess Mounted Profile, page **2.67**
Surface Mounted Profile, page **2.65**
Remote Receiver and Remote Control, page **2.77**

Wood-Mode Fine Custom Cabinetry

Under cabinet lighting is light that spans the width of a cabinet or a run of cabinets, adding bright targeted light to illuminate countertops, backsplashes and other work surfaces. Choose from recess or surface mounted methods that use LED strips housed in a profile. Switch on and off with a remote control or inline dimmer switches.

INTERIOR CABINET LIGHTING

2037 Flexible Strip Light, page **2.12**
Shallow Recess Mounted Profile, page **2.67**
Door Contact Switch, page **2.75**
Door Sensor Switch, page **2.74**

Wood-Mode Fine Custom Cabinetry

To provide more usable space, light the interior of a cabinet whether it is a base cabinet, a hanging cabinet or a tall cabinet. For frameless cabinets or framed cabinets that have room for a profile, use LED strip lights inside a cabinet vertically recess mounted in a profile on either one or two sides of the cabinet covered by a milk lens to diffuse the light. Control lights with a door contact or door sensor switch.

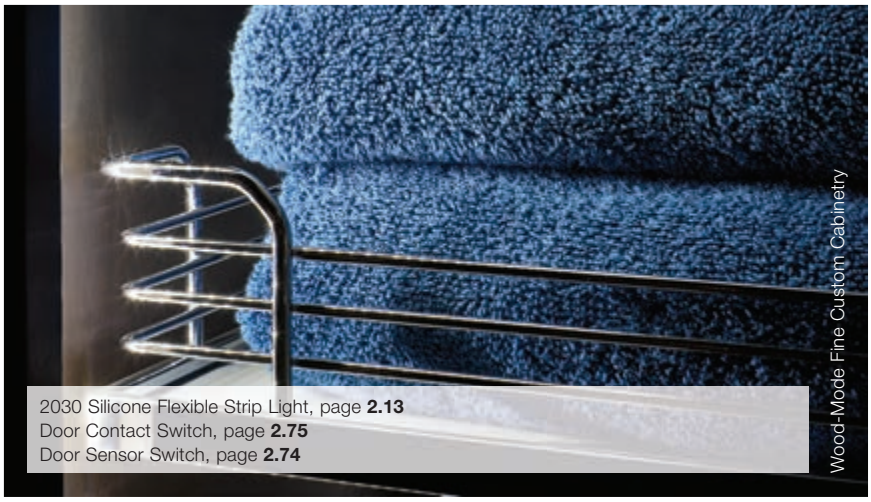
DRAWER LIGHTING

2037 Surface Mounted Strip Lights with Inline Dimmer Switch, page **2.15**

Drawer lighting is used to provide more usable space in a kitchen by illuminating the back of the drawer. It is the most complex application in interior lighting, but it is made simple by attaching LED surface mounted strip lights and automatically controlling lights with an inline drawer switch.

LED LIGHTING
IN BATHROOMS

INTERIOR CABINET LIGHTING



2030 Silicone Flexible Strip Light, page **2.13**
Door Contact Switch, page **2.75**
Door Sensor Switch, page **2.74**

Easily retrofit lighting into a framed bathroom cabinet by surface mounting silicone strip lights in the front left and right corner stiles directing the light to the back of the cabinet. Control switching with either a door contact or door sensor switch.

DOWN LIGHTING

2030 Silicone Flexible Strip Light, page **2.13**
Motion Detector Switch, page **2.74**

Down lighting has several different uses ranging from task to accent, from creating more usable space to adding a dramatic, ornamental light effect. In bathrooms it is used to create a floating effect under vanities or cabinets. LED Silicone strips are prefect for down lighting as they do not require a profile or lens and can be used anywhere.

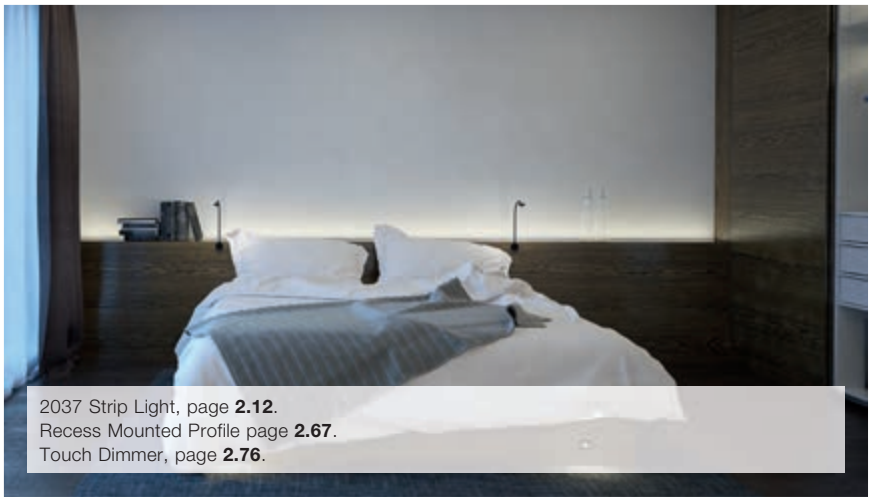
DRAWER LIGHTING

2029 Flexible Strip Light, page **2.11**
Motion Detector Switch, page **2.74**

Drawer lighting is used in bathrooms as an aid in drawer organization. A simple method of drawer lighting uses LED strip lights in a shallow surface mounted profile switched on with a motion activated switch.

LED LIGHTING
IN BEDROOMS AND CLOSETS

UP LIGHTING



2037 Strip Light, page **2.12**.
Recess Mounted Profile page **2.67**.
Touch Dimmer, page **2.76**.

Up lighting is the only application that shines light up in a room. It is often used to complete a design by adding a dramatic accent, an increase in ambient light, or to add a soft glow around the perimeter of furniture. Up lighting couldn't be easier with LED strip lights inserted in to flanged profile and covered by a milk lens to diffuse the light. Add a dimmer to create different lighting effects.

WARDROBE TUBE LIGHTING

Wardrobe Tube Kit: 8' length wardrobe tube, warm or cool 2037 Strip Light covered by a milk lens, 2 m driver cable and 2 end caps. page **2.14**.
Finishes: matt aluminum, polished chrome, matt nickel, dark oil-rubbed bronze

This is a unique application that replaces a standard wardrobe tube in a closet or free-standing wardrobe. The LED strip is tucked inside a wardrobe tube and covered by a milk lens. This creates a soft, glowing effect that illuminates clothes hanging on the tube with just the right amount of light for making selections.

TOE KICK LIGHTING

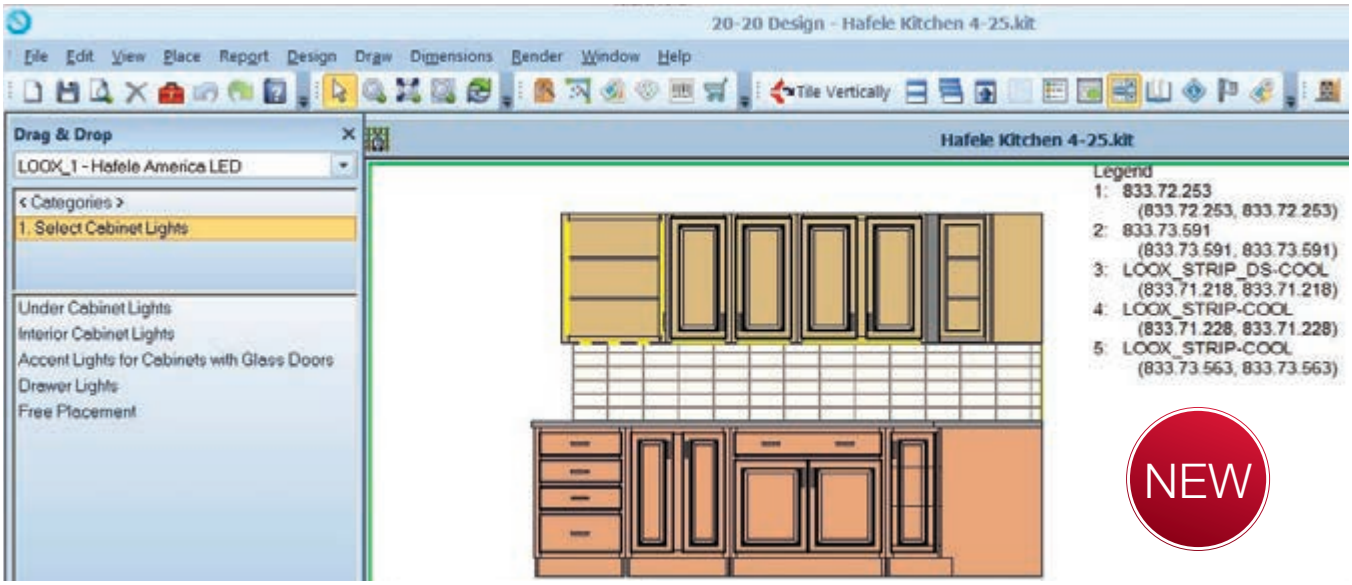
2028 Motion Activated Toe-Kick Light, page **2.24**.

For a nifty nightlight or an interesting accent add a toe kick light to the base board of a bathroom cabinet or bed activated by a built-in motion sensor switch. Center the toe kick light both vertically and horizontally for best results.

LOOX LED LIGHTING COMES TO 2020 DESIGN

All of the innovation, functionality and design possibilities of Häfele's Loox LED System can now be integrated into your kitchen cabinetry through our new 2020 Catalog.

2020 Design



NEW

KITCHEN LIGHTING SOLUTIONS KITS BENEFITS

NEW

Buying LED lighting by component can be confusing and time-consuming. New 12 V LED Kitchen Solutions Kits combine the most popular and easy to install surface mount framed cabinet lighting solutions for interior cabinet and drawer lighting. These kits are versatile; suitable for retrofit, remodel or new construction.

See pages **2.17-2.18** for kits.

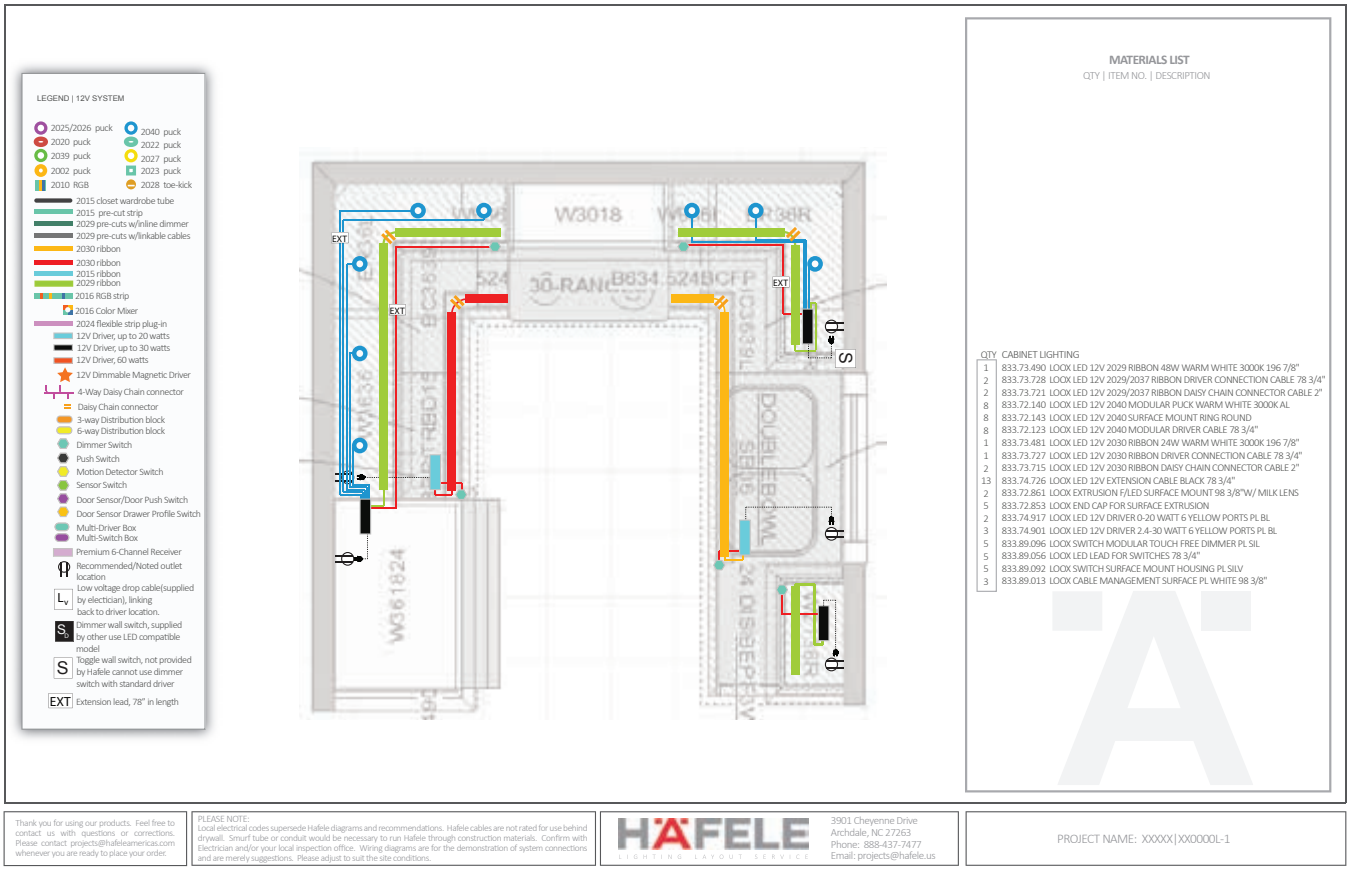
Easy to Order
- Kit design means fewer parts to order
- Less time searching for matching components
- Less waste

Easy Installation
- Save time, kits include everything except the driver
- Simply trim, peel and stick cabinet kits include pre-cut lengths of LED strips
- Reduce errors by using pre-installed leads attached to the LED strips

Ease of Design
- Designed to facilitate designing by cabinet
- Each solution is complete to easily add lighting to a single cabinet
- 10 cabinets = 10 kits; 2 cabinets = 2 kits

WORKING DIRECTLY WITH HÄFELE

Working with Häfele is actually the most efficient, accurate way to order Loox LED components. You can place orders or get advice via these Häfele sources:



Lighting Design Group
They're your lighting layout designers and lighting experts. Our lighting professionals can provide you with a clear drawing, material list and price quote for lighting designs of any complexity. There is no charge for registered Häfele customers. To get started, simply complete the Lighting Request Form on the Häfele web site and a lighting professional will contact you.

Customer Service
They will place orders, track orders, and provide trouble-shooting, consulting and technical assistance. Customer Service is available Monday through Friday, 7:30 AM to 8:00 PM EST by calling 800.423.3531.

HÄFELE

Overview

Loox

12 V System

2

LED 2025/2026/2040
Down Lights
pages 2.2-2.4

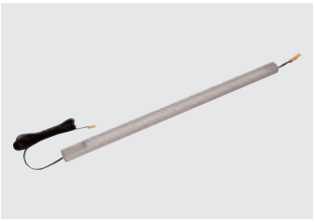
LED 2020/2022/2023
Down Lights
pages 2.5-2.7

LED 2039/2027/2002
Down Lights
pages 2.8-2.10

LED 2029/2037/2030
Strip Lights
pages 2.11-2.13

LED 2037
Wardrobe Tube
page 2.14

LED 2029/2030/2025
Light Bar Kits, Cabinet Interior
pages 2.15-2.18



LED 2024
Flexible Strip Light, Plug-in
page 2.19

LED 2010/2016/2012
RGB Lights
pages 2.20-2.23

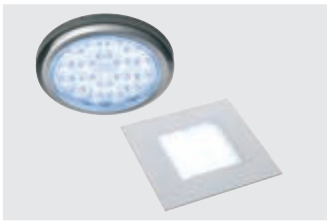
LED 2028
Toe Kick Light
page 2.24

LED 2034
Flexible Light
page 2.25

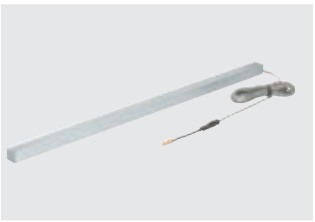
LED Shelf Lighting
Adjustable System
page 2.26

12 V Drivers
Constant Voltage
pages 2.27-2.28

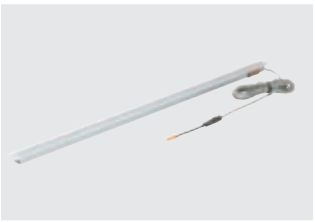
Luminoso LED
Puck Lights
pages 2.29-2.31



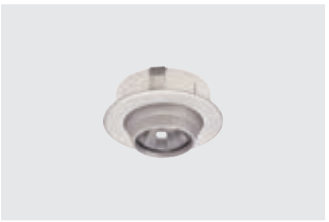
Surface Mount Lights
page 2.32



Recess Mount LIghts
page 2.33



Multi-White Lights
pages 2.34-2.36



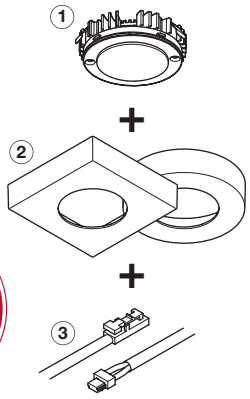
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Recess/Surface Mounted Light

- Modular
- For mounting in drilled hole with clip fastener or for screw mounting
- Dimmable
- LED 2025 is compatible with Loox and E-series drivers only
- (COB) Chip On Board

IP44
IP = Ingress Protection.
44 = Protected against solid objects greater than 1 mm in diameter.
44 = Water splashed against the enclosure from any direction for three minutes. The fixture is tilted at any angle up to 15° from it's normal position.



IP44

- Energy efficiency category: A+

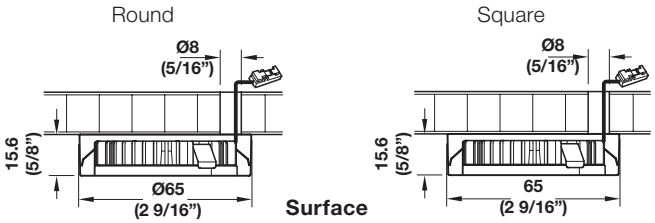
Drill hole: Ø58 mm (2 1/4")
Ø x H: 61.2 x 15.6 mm (2 7/16" x 5/8")

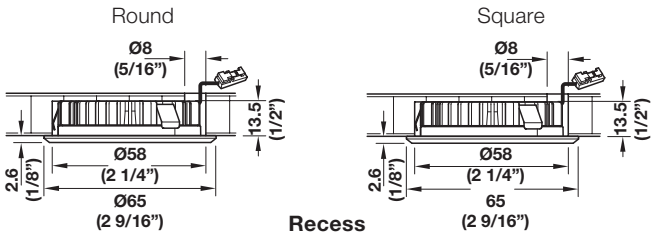
Loox

12 V - IP44 System

0 100%

Water Tolerant





Material: Aluminum

	Light Color (K)	Wattage	Number of LEDs	Lumen	Lumen per watt	CRI	Weighted energy consumption (kWh/1.000 h)	Item No.
2025	2700 warm white	3.8	1 (COB)	275	72	82	4.18	833.72.250
	3000 warm white	3.8	1 (COB)	280	74	82	4.18	833.72.120
	4000 cool white	3.8	1 (COB)	302	79	82	4.18	833.72.121
	5000 cool white	3.8	1 (COB)	316	83	82	4.18	833.72.122
2026	2700 warm white	3	6	175	60	83	3.30	833.72.133
	3000 warm white	3	6	251	84	83	3.30	833.72.130
	4000 cool white	3	6	292	97	83	3.30	833.72.131
	5000 cool white	3	6	293	98	83	3.30	833.72.132

Note
Trim rings and leads sold separately, refer to page **2.4**.

LED 2025				LED 2026				
2700 K	3000 K	4000 K	5000 K	2700 K	3000 K	4000 K	5000 K	80°
2500 lx	2236 lx	2257 lx	2290 lx	750 lx	1861 lx	2043 lx	2052 lx	250 mm (9 13/16")
700 lx	759 lx	764 lx	773 lx	190 lx	465 lx	512 lx	513 lx	500 mm (19 11/16")
268 lx	248 lx	250 lx	254 lx	80 lx	206 lx	213 lx	228 lx	750 mm (29 1/2")
159 lx	139 lx	141 lx	143 lx	45 lx	116 lx	125 lx	128 lx	1000 mm (39 3/8")

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20 IP44

Driver page 2.27

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Recess/Surface Mounted Light

- Modular
- Dimmable
- For mounting in drilled hole with clip fastener or for screw mounting

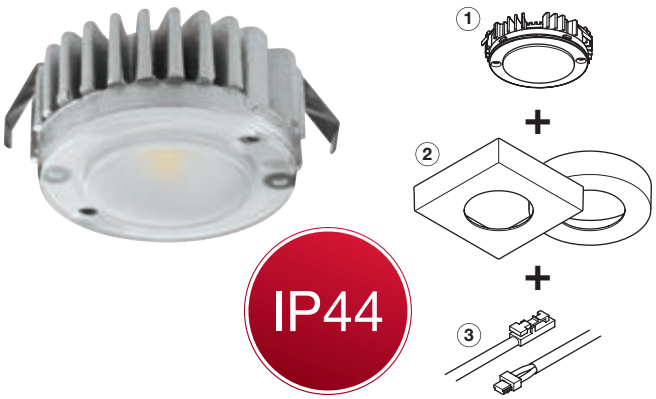
IP44
IP = Ingress Protection.
44 = Protected against solid objects greater than 1 mm in diameter.
44 = Water splashed against the enclosure from any direction for three minutes. The fixture is tilted at any angle up to 15° from it's normal position.

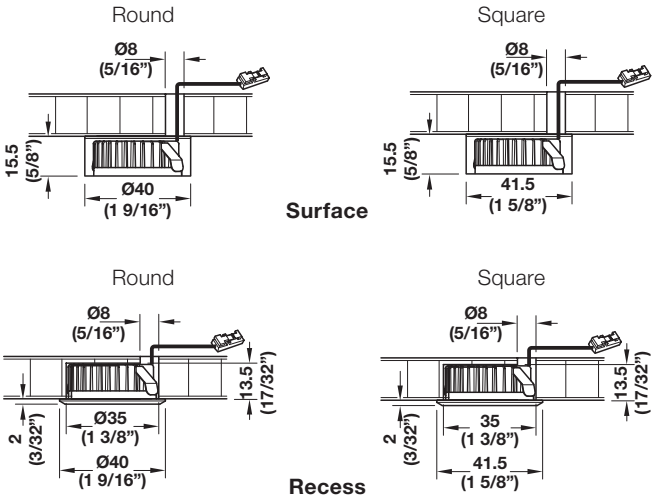
Loox

12 V - IP44 System

0 100%

Water Tolerant





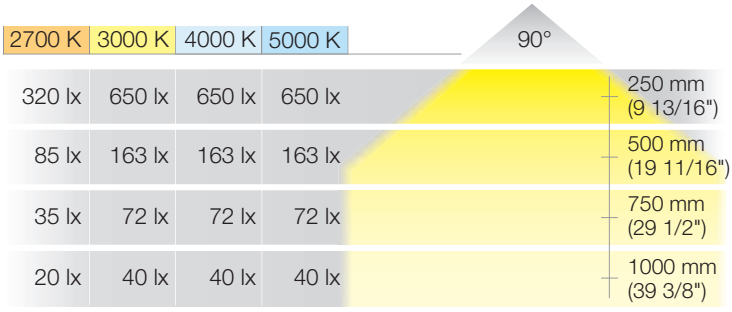
- Wattage: 1.5
- Number of LEDs: 3
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.65

Drill hole: Ø35 mm (1 3/8")
Ø x H: 38.5 x 15 mm (1 9/16" x 9/16")

Material: Aluminum

Light Color (K)	Lumen	Lumen per watt	CRI	Item No.
2700 warm white	90	60	82	833.72.147
3000 warm white	105	70	82	833.72.140
4000 cool white	105	70	87	833.72.141
5000 cool white	105	70	88	833.72.142

Note
Trim rings and leads sold separately, refer to page **2.4**.



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

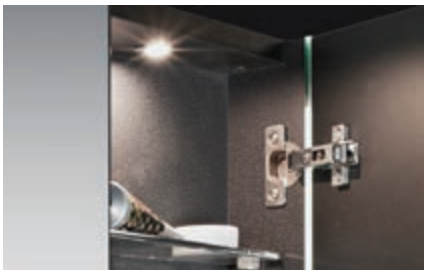
CE cULus R36733 RoHS IP20 IP44

Driver page 2.27

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Trim Rings and Leads



12 V System

0 100%

2

Surface Mounted Trim Ring

Shape/size:
2025/2026 Round: Ø65 x 15.6 mm (2 9/16” x 5/8”)
2025/2026 Square: 65 x 65 x 15.6 mm (2 9/16” x 2 9/16” x 5/8”)
2040 Round: Ø40 x 15.5 mm (1 9/16” x 5/8”)
2040 Square: 41.5 x 41.5 x 15.5 mm (1 5/8” x 1 5/8” x 5/8”)

Material: Plastic

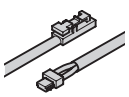
Shape	Color	2025/2026	2040
round	silver colored	833.72.124	833.72.143
round	black	833.72.160	833.72.176
round	nickel matt	833.72.162	833.72.178
round	white	833.72.163	833.72.179
square	silver colored	833.72.125	833.72.144
square	black	833.72.164	833.72.180
square	nickel matt	833.72.166	833.72.182
square	white	833.72.167	833.72.183

Recess Mounted Trim Ring

Shape/size:
2025/2026 Round: Ø65 x 2.6 mm (2 9/16” x 1/8”)
2025/2026 Square: 65 x 65 x 2.6 mm (2 9/16” x 2 9/16” x 1/8”)
2040 Round: Ø40 x 2 mm (1 9/16” x 1/16”)
2040 Square: 41.5 x 41.5 x 2 mm (1 5/8” x 1 5/8” x 1/16”)

Material: Plastic

Shape	Color	2025/2026	2040
round	silver colored	833.72.126	833.72.145
round	black	833.72.168	833.72.184
round	nickel matt	833.72.170	833.72.186
round	white	833.72.171	833.72.187
square	silver colored	833.72.127	833.72.146
square	black	833.72.172	833.72.188
square	nickel matt	833.72.174	833.72.190
square	white	833.72.175	833.72.191



Lead

Material: Plastic; Color: black

Length	Item No.
500 (19 3/8”)	833.72.128
1000 (39 3/8”)	833.72.129
2000 (78 3/4”)	833.72.123

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Recess/Surface Mounted Light

- Perfect where water spray may be an issue
- Can be recessed or surface mounted

IP44
IP = Ingress Protection.
44 = Protected against solid objects greater than 1 mm in diameter.
44 = Water splashed against the enclosure from any direction for three minutes. The fixture is tilted at any angle up to 15° from it's normal position.

Loox

12 V - IP44 System

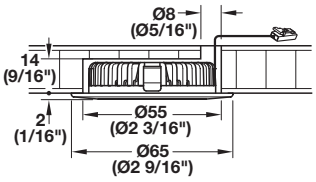
0 100%

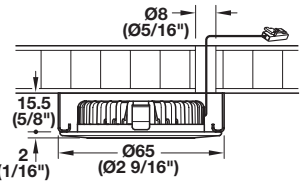
Water Tolerant

IP44

- Suitable for damp areas
- Dimmable
- LEDs: 6
- Wattage: 3.2
- CRI: 83
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 2.9

Drill hole: Ø55 mm (2 3/16")
Ø x H: 65 x 14.7 mm (2 9/16" x 9/16")

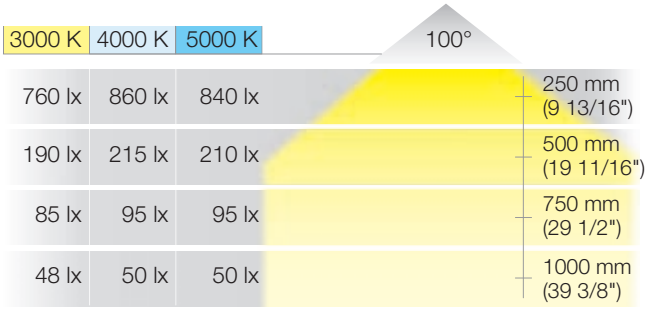




Material: Zinc alloy

Light Color (K)	Color	Lumen	Lumen per watt	Item No.
3000 warm white	nickel-plated matt	142	44	833.72.280
3000 warm white	black	142	44	833.72.281
3000 warm white	polished chrome	142	44	833.72.282
4000 cool white	nickel-plated matt	150	47	833.72.283
4000 cool white	black	150	47	833.72.284
4000 cool white	polished chrome	150	47	833.72.285
5000 cool white	nickel-plated matt	150	47	833.72.286
5000 cool white	black	150	47	833.72.287
5000 cool white	polished chrome	150	47	833.72.288

Supplied With
2000 mm (78 3/4") lead
Mounting hardware



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20 IP44

Surface Mounted Ring

Material: Zinc

Finish	Item No.
nickel-plated matt	833.72.800
black	833.72.801
chrome colored	833.72.802

Note
With a surface mount ring the degree of protection is IP20.

Driver page 2.27

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Recess/Surface Mounted Light, Round

- Protected from water spray as a recess mounted light with an IP44 degree of protection
- Can be used as a surface mounted downlight with IP20 using optional surface mount rings and wedges

IP44
IP = Ingress Protection.
44 = Protected against solid objects greater than 1 mm in diameter.
44 = Water splashed against the enclosure from any direction for three minutes. The fixture is tilted at any angle up to 15° from it's normal position.

IP44

- Suitable for damp areas
- Dimmable
- Wattage: 1.5
- LEDs: 3
- Lumen: 105
- Lumen per watt: 70
- Energy efficient category: A+
- Weighted energy consumption (kWh/1.000 h): 1.65

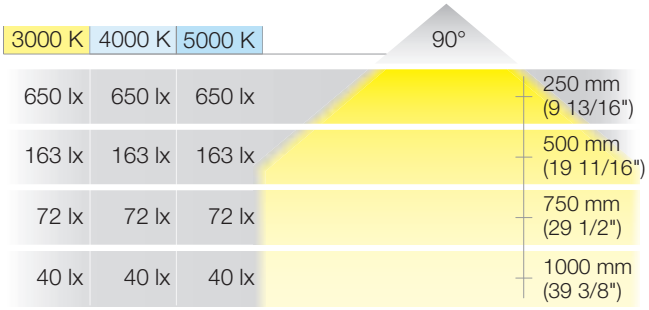
Drill hole: Ø26 mm (1 1/16")
Ø x H: 35 x 14.5 mm (1 3/8" x 9/16")

Material: Aluminum

Light Color (K)	Finish	CRI	Item No.
3000 warm white	silver colored anodized	82	833.72.040
3000 warm white	chrome-plated polished	82	833.72.043
4000 cool white	silver colored anodized	87	833.72.041
4000 cool white	chrome-plated polished	87	833.72.044
5000 cool white	silver colored anodized	88	833.72.042
5000 cool white	chrome-plated polished	88	833.72.045

Supplied With
2000 mm (78 3/4") lead

Note
For mounting in drilled hole, with clip fastener or for screw mounting.



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20 IP44

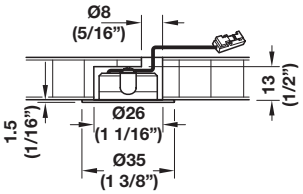
Driver page 2.27

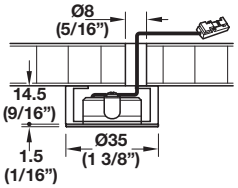
Loox

12 V System

0 100%

Water Tolerant



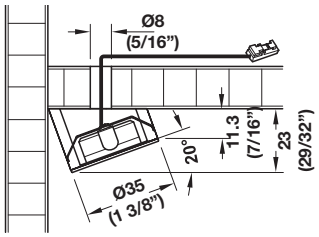


Surface Mount Ring, round

Material: Aluminum

Finish	Item No.
chrome-plated	833.72.830
silver colored anodized	833.72.831

Note
With a surface mount ring the degree of protection is IP20.



Surface Mount Ring, wedge-shaped

Material: Aluminum

Finish	Item No.
chrome-plated	833.72.833
silver colored anodized	833.72.832

Note
With a surface mount ring the degree of protection is IP20.

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Recess Mounted Light, Square

- Dimmable
- For mounting in drilled hole, with clip fastener

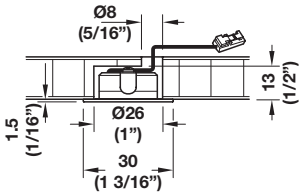
IP44
IP = Ingress Protection.
44 = Protected against solid objects greater than 1 mm in diameter.
44 = Water splashed against the enclosure from any direction for three minutes. The fixture is tilted at any angle up to 15° from it's normal position.

Loox

12 V System

0 100%

Water Tolerant



IP44

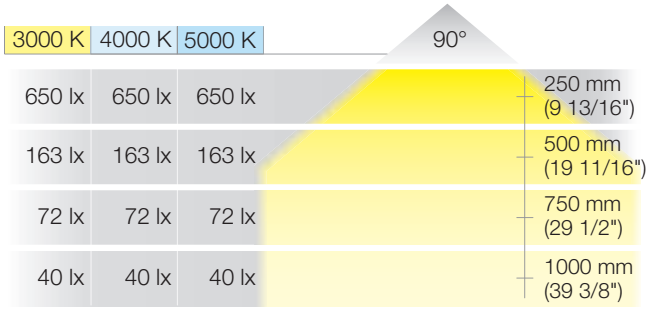
- LEDs: 3
- Lumen: 105
- Lumen per watt: 70
- Wattage 1.5
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.65

Drill hole: Ø26 mm (1 1/16")
L x W x H: 30 x 30 x 14 mm (1 3/16" x 1 3/16" x 9/16")

Material: Aluminum

Light Color (K)	Finish	CRI	Item No.
3000 warm white	chrome-plated polished	82	833.72.060
3000 warm white	silver colored anodized	82	833.72.064
4000 cool white	chrome-plated polished	87	833.72.061
4000 cool white	silver colored anodized	87	833.72.065
5000 cool white	chrome-plated polished	88	833.72.062
5000 cool white	silver colored anodized	88	833.72.066

Supplied With
2000 mm (78 3/4") lead



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 RoHS IP20 IP44

Driver page 2.27

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Recess Mounted Light, Round

- Dimmable
- For mounting in drilled hole, with clip fastener

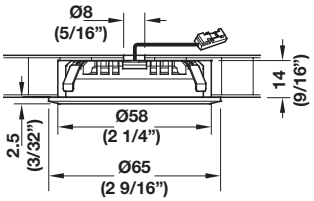
IP65
IP = Ingress Protection.
65 = Solid particle intrusion; dust tight.
65 = Water jets by a nozzle 6.3 mm (1/4") from any angle.

Loox

12 V System

0 100%

Water Tolerant



IP65

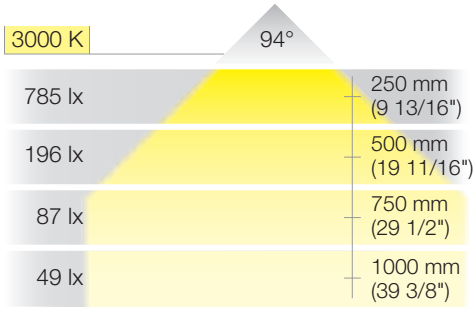
- Light Color: 3000 K warm white
- LEDs: 18
- Lumen: 125
- Lumen per watt: 50
- Wattage 2.5
- CRI: 85
- Energy efficiency category: A
- Weighted energy consumption (kWh/1.000 h): 2.75

Drill hole: Ø58 mm (2 1/4")
Ø x H: 65 x 16.4 mm (2 9/16" x 5/8")

Material: Zinc alloy

Finish	Item No.
nickel-plated matt	833.72.091
chrome-plated	833.72.092

Supplied With
4000 mm (157 1/2") lead



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20 IP65

Driver page 2.27

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

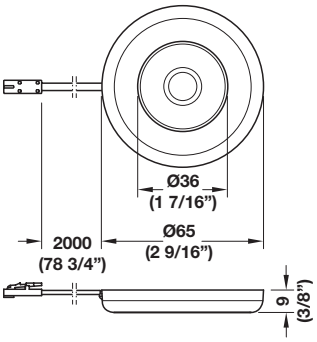
Surface Mounted Light, Round

- This flat surface mounted down light can be used extensively
- The edge is illuminated, without visible diodes, and the hardware is concealed beneath a removable center cover
- Dimmable
- Screw mounted

Loox

12 V System

0 100%



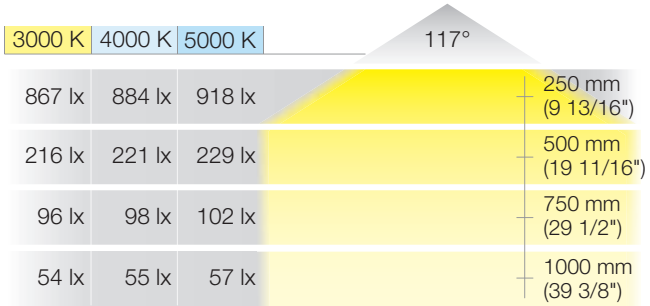
- LEDs: 27
- Wattage: 2.6
- CRI: 85
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 2.86

Ø x H: 65 x 9 mm (2 9/16" x 3/8")

Material: Aluminum/Plastic; Finish: silver colored anodized, milk

Light Color (K)	Lumen	Lumen per watt	Item No.
3000 warm white	190	73	833.72.050
4000 cool white	208	80	833.72.051
5000 cool white	218	84	833.72.052

Supplied With
2000 mm (78 3/4") lead
Mounting material



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

Driver page 2.27

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

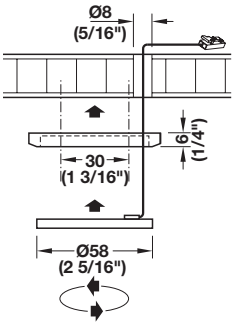
Surface Mounted Light, Round

- The LED 2002 surface mounted down light has an extremely flat shape
- It is especially suitable for providing decorative lighting in shelving and display cabinets
- Dimmable
- Screw mounted

Loox

12 V System

0 100%



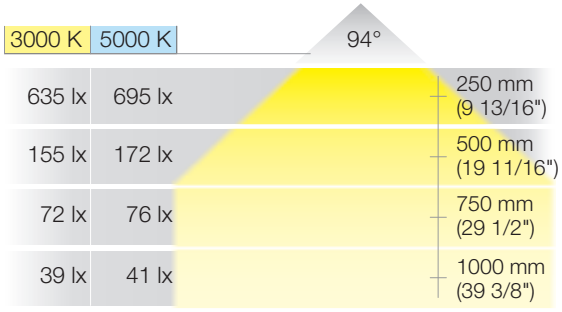
- Wattage: 1.5
- Number of LEDs: 19
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.65

Ø x H: 58 x 6 mm (2 5/16" x 1/4")

Material: Housing: Plastic; Ring: Stainless Steel

Light Color (K)	Lumen	Lumen per watt	CRI	Item No.
3000 warm white	85	57	91	833.73.222
5000 cool white	105	70	87	833.73.213

Supplied With
2000 mm (78 3/4") lead
Mounting material



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

Driver page 2.27

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

2

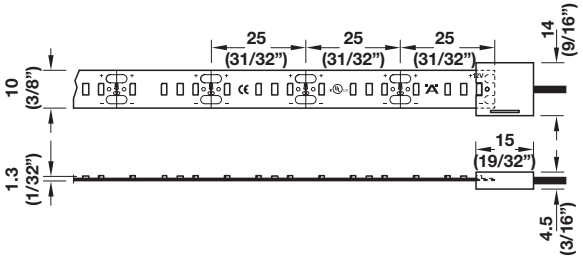
Flexible Strip Light

- Ideal for direct and extremely even illumination of furniture
- Strip can be shortened every 25 mm (1")
- Corner connectors allow for 90° installations
- Dimmable
- Consider the width of clip connector (see drawing) when choosing an aluminum profile
- Self-adhesive installation
- Max. 3 m (9' 10 1/8") per lead

Loox

12 V System

0 100%



- Wattage (W): 48 (9.6 per meter) [3 per foot]
- Number of LEDs: 600 (120 per meter)
- CRI: 82
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 10.56 per meter

L x W x H: 5000 x 10 x 1.3 mm (196 7/8" x 3/8" x 1/32")

Material: LED board; Color: white

Light Color (K)	Lumen	Lumen per watt	Item No.
2700 warm white	4050	84	833.73.493
3000 warm white	4075	85	833.73.490
4000 cool white	4100	85	833.73.491
5000 cool white	4150	86	833.73.492

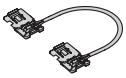
Supplied With
2000 mm (78 3/4") lead

Note
The values below apply to a strip light length of 1 m (39 3/8")

2700 K	3000 K	4000 K	5000 K	120°
2054 lx	2090 lx	2215 lx	2275 lx	250 mm (9 13/16")
514 lx	522 lx	554 lx	569 lx	500 mm (19 11/16")
228 lx	232 lx	246 lx	253 lx	750 mm (29 1/2")
128 lx	130 lx	138 lx	142 lx	1000 mm (39 3/8")

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

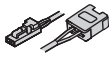


Interconnecting Lead

- With clips for LED strip light

Material: Plastic; Color: black

Length	Item No.
50 (2")	833.73.721
500 (19 5/8")	833.73.719
1000 (39 3/8")	833.73.722
2000 (78 3/4")	833.73.720



Lead

Material: Plastic; Color: black

- With 12 V male plug and clip for LED strip light

Length	Item No.
100 (4")	833.73.734
2000 (78 3/4")	833.73.728

- With 12 V female plug and clip for LED strip light

Length	Item No.
100 (4")	833.73.735

Clip Connector

- For LED strip light

Material: Plastic

Color	Item No.
white	833.73.731

Corner Connector, rigid

- Left and right for LED strip light

Material: Plastic

Color	Item No.
white	833.73.733

Driver	page 2.27
Aluminum profiles	pages 2.65 - 2.70

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

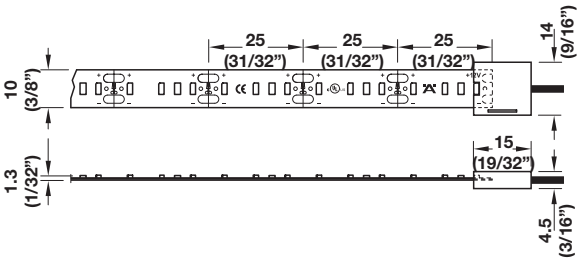
Flexible Strip Light

- Suitable for both functional and indirect lighting of furniture and furnishings
- Strip can be shortened every 25 mm (1")
- Corner connectors allow for 90° installations
- Dimmable
- Consider the width of clip connector (see drawing) when choosing an aluminum profile
- Self-adhesive installation
- Max. 6 m (20') per lead

Loox

12 V System

0 100%



- Wattage: 20 (4 per meter) (1.22 per foot)
- Number of LEDs: 600 (120 per meter)
- CRI: 82
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 4.40 per meter

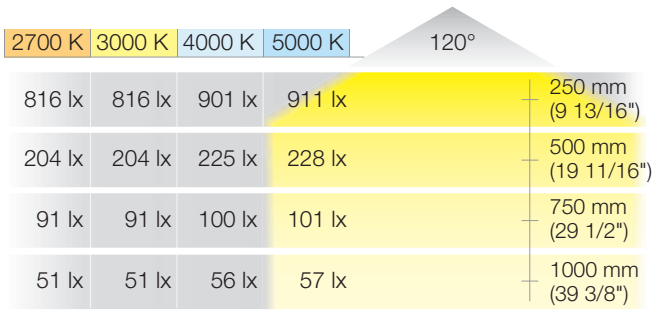
L x W x H: 5000 x 10 x 1.3 mm (196 7/8" x 3/8" x 1/32")

Material: LED board; Color: white

Light Color (K)	Lumen	Lumen per watt	Item No.
2700 warm white	1600	80	833.73.513
3000 warm white	1600	80	833.73.510
4000 cool white	1700	85	833.73.511
5000 cool white	1800	90	833.73.512

Supplied With
2000 mm (78 3/4") lead

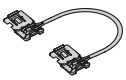
Note
The values below apply to a strip light length of 1 m (39 3/8")



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE eUL US R36733 RoHS IP20

Driver	page 2.27
Aluminum profiles	pages 2.65 - 2.70

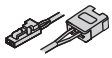


Interconnecting Lead

- With clips for LED strip light

Material: Plastic; Color: black

Length	Item No.
50 (2")	833.73.721
500 (19 5/8")	833.73.719
1000 (39 3/8")	833.73.722
2000 (78 3/4")	833.73.720



Lead

Material: Plastic; Color: black

- With 12 V male plug and clip for LED strip light

Length	Item No.
100 (4")	833.73.734
2000 (78 3/4")	833.73.728

- With 12 V female plug and clip for LED strip light

Length	Item No.
100 (4")	833.73.735

Clip Connector

- For LED strip light

Material: Plastic

Color	Item No.
white	833.73.731

Corner Connector, rigid

- Left and right for LED strip light

Material: Plastic

Color	Item No.
white	833.73.733

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

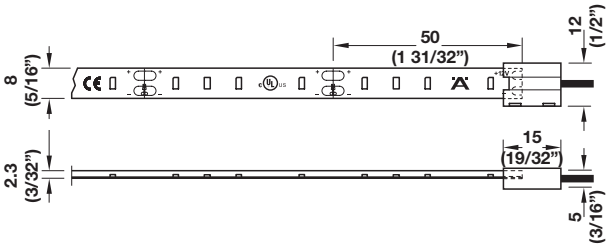
Flexible Strip Light

- Creates efficient background lighting for furniture and furnishings
- The silicone encapsulation allows this strip light to be used without an aluminum profile
- The light can be shortened every 50 mm (2") and is ideal for retrofitting
- The cut silicone strip can be re-used with the appropriate clip and corner connectors
- Dimmable
- Consider the width of clip connector (see drawing) when choosing an aluminum profile
- Self-adhesive installation
- Max. 6 m (20') per lead

Loox

12 V System

0 100%



- Wattage: 24 (4.80 per meter) [1.5 per foot]
- Number of LEDs: 300 (60 per meter)
- CRI: 82
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 5.28 per meter

L x W x H: 5000 x 8 x 2.3 mm (196 7/8" x 5/16" x 3/32")

Material: LED board; Color: white

Light Color (LED only) (K)	Light Color (in silicone)	Lumen	Lumen per watt	Item No.
2700 warm white	3400 K	1930	80	833.73.480
3000 warm white	4090 K	1940	81	833.73.481
4000 cool white	6084 K	1950	81	833.73.482
5000 cool white	10770 K	1980	83	833.73.520

Supplied With
2000 mm (78 3/4") lead

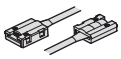
Note
Silicone cover shifts light output cooler. Test the 2030 silicone strip light when mixing with other strips. Warmer color temperatures may be more suitable.

Note
The values below apply to a strip light length of 1 m (39 3/8")

2700 K	3000 K	4000 K	5000 K	120°
883 lx	888 lx	892 lx	903 lx	250 mm (9 13/16")
220 lx	222 lx	223 lx	226 lx	500 mm (19 11/16")
98 lx	99 lx	99 lx	100 lx	750 mm (29 1/2")
55 lx	56 lx	56 lx	56 lx	1000 mm (39 3/8")

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 RoHS IP20

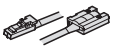


Interconnecting Lead

- With clips for LED strip light

Material: Plastic; Color: black

Length	Item No.
50 (2")	833.73.715
500 (19 5/8")	833.73.716
1000 (39 3/8")	833.73.717
2000 (78 3/4")	833.73.718



Lead

- With 12 V male plug and clip for LED silicone strip light

Material: Plastic; Color: black

Length	Item No.
2000 (78 3/4")	833.73.727
50 (2")	833.73.737

Clip Connector

- For LED silicone strip light

Material: Plastic

Color	Item No.
white	833.73.730

Corner Connector, rigid

- Left and right for LED silicone strip light

Material: Plastic

Color	Item No.
white	833.73.736

Driver page 2.27

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Elite Lighted Wardrobe Tube

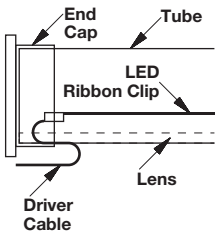
- A great way to brighten up your closet space
- 2 color temperatures available
- 4 finishes to choose from
- Comes ready to install
- Tube is cut 6 mm (1/4") shorter than nominal size to allow room for end caps and driver cable exit

Note
Driver and switches are not included, please order separately.

Loox

12 V System

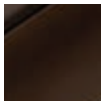
0 100%



matt aluminum

polished chrome

matt nickel


oil-rubbed bronze

Wardrobe Tube Kit

Material: Aluminum

Light Color (K)	Finish	Length 18"	Length 24"	Length 30"	Length 36"
		Wattage 1.8	Wattage 2.4	Wattage 3.1	Wattage 3.7
		Lumen 146	Lumen 195	Lumen 243	Lumen 292
3000 warm white	matt aluminum	833.71.032	833.71.033	833.71.034	833.71.035
4000 cool white	matt aluminum	833.71.024	833.71.025	833.71.026	833.71.027
3000 warm white	polished chrome	833.71.064	833.71.065	833.71.066	833.71.067
4000 cool white	polished chrome	833.71.056	833.71.057	833.71.058	833.71.059
3000 warm white	matt nickel	830.28.780	830.28.781	830.28.782	830.28.783
4000 cool white	matt nickel	830.28.785	830.28.786	830.28.787	830.28.788
3000 warm white	oil-rubbed bronze	833.71.048	833.71.049	833.71.050	833.71.051
4000 cool white	oil-rubbed bronze	833.71.040	833.71.041	833.71.042	833.71.043

Supplied With
Tube
Lens
Loox 2037 Flexible strip light
2000 mm (78 3/4") driver cable
2 End caps

Note
Position cable around and out of tube between lens and end cap or through end cap center screw hole.

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

Driver	page 2.27
Components	page 2.80

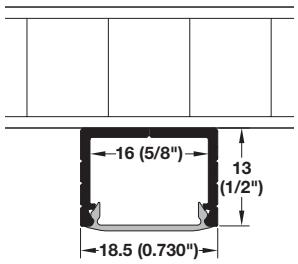
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Surface Mounted Strip Light with Inline Dimmer Switch

- Supplied ready to install
- Optimal lengths for installing under your wall cabinets to brighten up your countertop workspace
- Linkable to other light bars, refer to page **2.16**

Note
Available in Häfele's 2020 catalog.



Loox

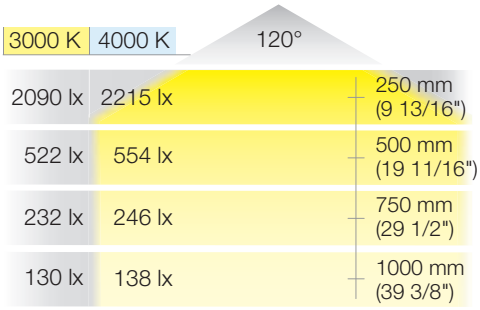
12 V System

0 100%

- Lumen per watt: 85
- CRI: 82

Material: Aluminum, clear anodized; Lens: milk

Light Color (K)	Length	Number of LEDs	Wattage	Lumen	Item No.
3000 warm white	152 (6")	9	0.7	62	833.73.530
4000 cool white					833.73.550
3000 warm white	229 (9")	18	1.5	124	833.73.532
4000 cool white					833.73.552
3000 warm white	305 (12")	27	2.4	186	833.71.213
4000 cool white					833.71.218
3000 warm white	381 (15")	36	2.9	249	833.73.534
4000 cool white					833.73.554
3000 warm white	457 (18")	45	3.7	311	833.73.536
4000 cool white					833.73.556
3000 warm white	533 (21")	54	4.4	373	833.73.538
4000 cool white					833.73.558
3000 warm white	610 (24")	63	5.4	435	833.71.214
4000 cool white					833.71.219
3000 warm white	686 (27")	72	5.9	497	833.73.540
4000 cool white					833.73.562
3000 warm white	762 (30")	81	6.8	559	833.71.215
4000 cool white					833.71.220
3000 warm white	838 (33")	90	7.3	622	833.73.542
4000 cool white					833.73.564
3000 warm white	914 (36")	99	8.3	683	833.71.216
4000 cool white					833.71.221
3000 warm white	991 (39")	108	8.8	746	833.73.544
4000 cool white					833.73.566
3000 warm white	1067 (42")	117	9.7	807	833.71.217
4000 cool white					833.71.222
3000 warm white	1143 (45")	126	10.2	870	833.73.546
4000 cool white					833.73.568



Supplied With
2000 mm (78 3/4") driver connection cable with integrated switch
100 mm (4") female mini driver cable
Mounting brackets
Screws
Two-sided mounting tape

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 IP20

Driver	page 2.27
Components	page 2.80

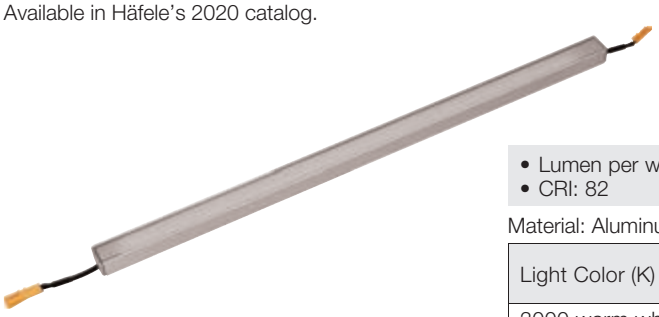
Dimensions in mm
Inches are approximate

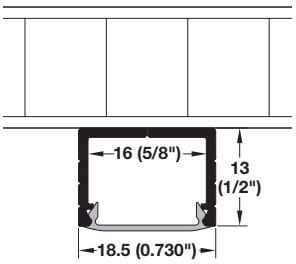
Dimensional data not binding. We reserve the right to alter specifications without notice.

Surface Mounted Strip Light with Linkable Cable

- Supplied ready to install
- Optimal lengths for installing under your wall cabinets to brighten up your countertop workspace
- Linkable to other light bars

Note
Available in Häfele's 2020 catalog.





Loox

12 V System

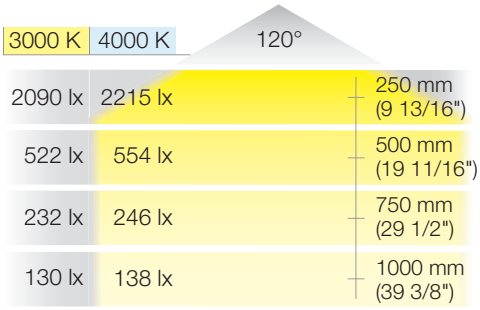
0 100%

2

- Lumen per watt: 85
- CRI: 82

Material: Aluminum, clear anodized; Lens: milk

Light Color (K)	Length	Number of LEDs	Wattage	Lumen	Item No.
3000 warm white	152 (6")	12	1.0	83	833.73.531
4000 cool white					833.73.551
3000 warm white	229 (9")	21	1.7	145	833.73.533
4000 cool white					833.73.553
3000 warm white	305 (12")	30	2.9	207	833.71.223
4000 cool white					833.71.228
3000 warm white	381 (15")	39	3.2	269	833.73.535
4000 cool white					833.73.555
3000 warm white	457 (18")	48	3.9	332	833.73.537
4000 cool white					833.73.557
3000 warm white	533 (21")	57	4.6	394	833.73.539
4000 cool white					833.73.559
3000 warm white	610 (24")	66	5.8	455	833.71.224
4000 cool white					833.71.229
3000 warm white	686 (27")	75	6.1	518	833.73.541
4000 cool white					833.73.563
3000 warm white	762 (30")	84	7.3	580	833.71.225
4000 cool white					833.71.230
3000 warm white	838 (33")	93	7.6	642	833.73.543
4000 cool white					833.73.565
3000 warm white	914 (36")	102	8.8	704	833.71.226
4000 cool white					833.71.231
3000 warm white	991 (39")	111	9.0	767	833.73.545
4000 cool white					833.73.567
3000 warm white	1067 (42")	120	10.2	828	833.71.227
4000 cool white					833.71.232
3000 warm white	1143 (45")	129	10.5	891	833.73.547
4000 cool white					833.73.569



Supplied With
100 mm (4") male mini driver cable
100 mm (4") female mini driver cable
Mounting brackets
Screws
Two-sided mounting tape

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 IP20

Driver	page 2.27
Components	page 2.80

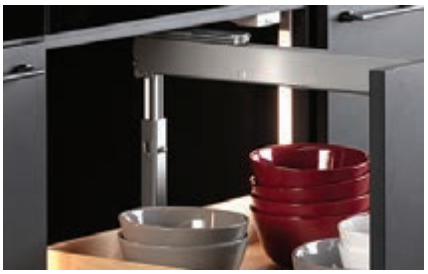
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

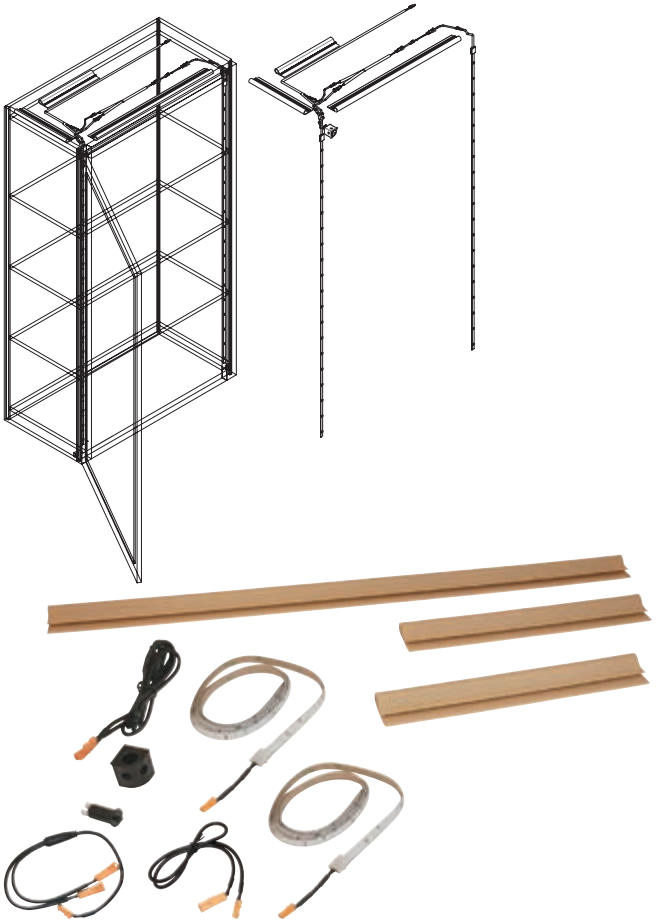
Interior Cabinet Light Kits

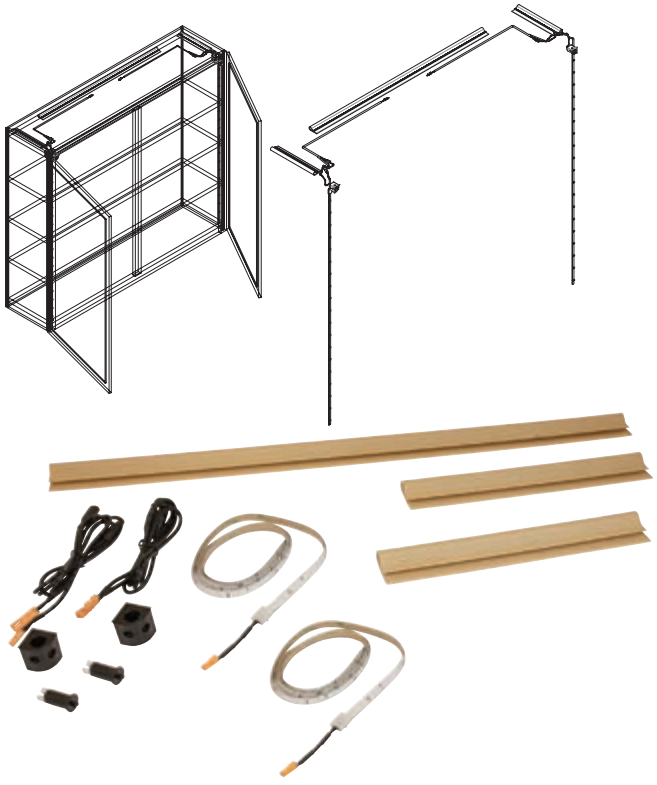
- Surface mounted; easy to install; flexible universal design
- Ideal for new or existing interior kitchen cabinets
- Trimmable in 50 mm (2") increments
- Peel and stick strip lights and wire management channels; screw mounted switch housing

Note
Available in Häfele's 2020 catalog.



Loox





1 Door Light Kit

- Wattage: 9.25
- LEDs: 114

L x W x H: 960 x 8 x 2 mm (38" x 5/16" x 1/16")

Material: Housing and Switch: Plastic; Color: black
Wire Management: Plastic; Color: tan
Light: Silicone; Color: white

Light Color	Lumen	Item No.
warm white	745	833.73.589
cool white	750	833.73.591

Supplied With
2 Silicone strips
Switch
Switch housing
Switch cable
Splitter cable
500 mm (19 11/16") lead extension
50 mm (2") lead with clip
2 - 10" and 1- 20" Wire management channel

2 Door Light Kits

- Wattage: 9.25
- LEDs: 114

L x W x H: 960 x 8 x 2 mm (38" x 5/16" x 1/16")

Material: Housing and Switch: Plastic; Color: black
Wire Management: Plastic; Color: tan
Light: Silicone; Color: white

Light Color	Lumen	Item No.
warm white	745	833.73.588
cool white	750	833.73.590

Supplied With
2 Silicone strips
2 Switches
2 Switch housings
2 Switch cables
2 - 50 mm (2") Leads with clips
2 - 10" and 1- 20" Wire management channel

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

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Driver	page 2.27
Components	page 2.80

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Drawer Light Kits

- Surface mounted; easy to install; flexible universal design
- Ideal for new or existing interior kitchen cabinets
- Trimmable in 50 mm (2") increments
- Peel and stick strips and wire management channels; screw mounted switch housing

Note
Available in Häfele's 2020 catalog.

Drawer Light Kit

- Wattage: 2.92
- LEDs: 36

L x W x H: 610 x 8 x 2 mm (24" x 5/16" x 1/16")

Material: Housing and Switch: Plastic; Color: black
Wire Management: Plastic; Color: tan
Light: Silicone; Color: white

Light Color	Lumen	Item No.
warm white	235	833.73.580
cool white	236	833.73.585

Supplied With
Silicone strips
Switch
Switch housing
Switch cable
50 mm (2") lead with clip
1 - 10" and 1- 20" Wire management channel

Interior and Under Cabinet Puck Light Kits

- Surface mounted; easy to install; flexible universal design
- Ideal for new or existing kitchen interior cabinets or under cabinets
- Screw mounted
- Modular

2025 Puck Light Kit

- Wattage: 3.8

Ø x H: 65 x 15.6 mm (2 9/16" x 5/8")

Material: Trim Ring: Plastic; Color: silver colored
Light: Plastic, frosted

Light Color	Lumen	Round	Square
warm white	280	833.72.251	833.72.252
cool white	302	833.72.253	833.72.254

Supplied With
Puck light
Trim ring
2000 mm (78 3/4") cable

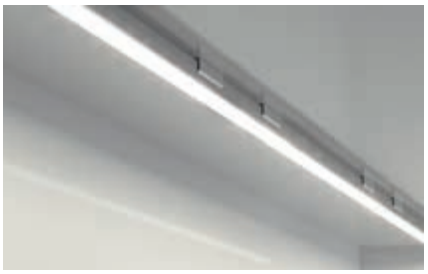
Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

Driver	page 2.27
Components	page 2.80

Dimensional data not binding. We reserve the right to alter specifications without notice.

Flexible Strip Light, Plug-in

- Dimmable
- Ideal for retrofitting due to two installation options
- Up to 15 strips can be plugged into each other
- For adhesive tape or screw mounting with the provided mounting brackets



Loox

12 V System

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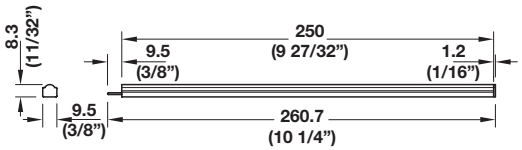


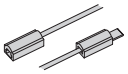
- Number of LEDs: 9
- CRI: 82
- Energy efficiency category: A++
- Weighted energy consumption (kWh/1.000 h): 2.31 per meter

L x W x H: 260.7 x 9.5 x 8.3 mm (10 1/4" x 3/8" x 11/32")

Material: Plastic, matt

Light Color	Lumen	Lumen per watt	Wattage	Item No.
3000 K warm white	112	53	2.1	833.73.030
4000 K cool white	113	54	2.1	833.73.031
5000 K cool white	126	60	2.1	833.73.032
red	126	60	2.5	833.73.033
blue	126	60	2.5	833.73.034

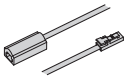
Supplied With
Mounting brackets



Interconnecting Lead

Material: Plastic; Color: black

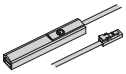
Length	Item No.
50 (2")	833.73.702
500 (19 5/8")	833.73.703
1000 (39 3/8")	833.73.704
2000 (78 3/4")	833.73.705



Lead

Material: Plastic; Color: black

Length	Item No.
2000 (78 3/4")	833.73.700



Lead with Dimmer

- Dimmer length: 57.5 mm (2 1/4")

Material: Plastic; Color: black

Length	Item No.
2000 (78 3/4")	833.73.701

Right Corner Connector

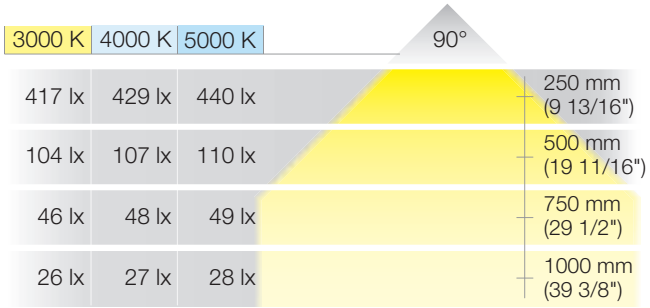
Material: Plastic

Color	Item No.
white	833.73.706

Left Corner Connector

Material: Plastic

Color	Item No.
white	833.73.707



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 RoHS IP20

Driver page 2.27

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

HÄFELE

Color Mixer, With Remote Control

RGB is the abbreviation for red, green and blue. With the principle of additive color mixing, almost any color combination can be created from the 3 primary colors.

A light with RGB capability has 3 different semiconductor crystals installed in one LED, each radiating one of the primary colors.

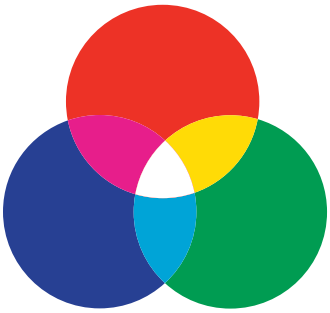
The 3 primary colors are mixed with RGB, therefore a pure white light color is not possible.

A control unit (the RGB color mixer), installed between the Loox driver and the lights is required to make the different color settings.

Up to 4 RGB lights can be connected to a color mixer and up to 12 RGB lights with the use of the RGB distributor. The color mixture that is selected applies to all of the connected RGB lights.

The RGB color mixer is controlled by a remote control, by which the color can be continuously adjusted and changed at any time.

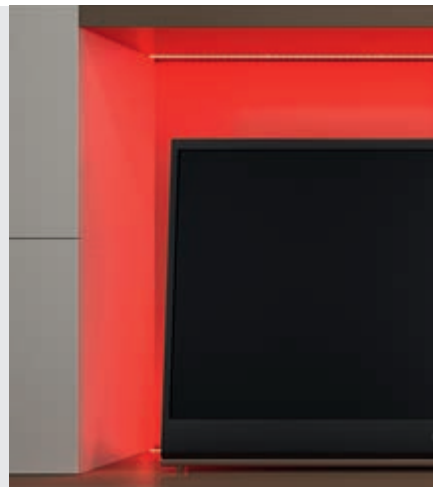
RGB lighting can generate attractive color displays, which can be created by the interaction between the selected light and the illuminated furniture.



Loox

12 V System

RGB



RGB color mixer

9-way distributor

RGB remote control

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

RGB Light

- Creates design emphasis in a small space with changing colors
- Colors can be customer selected

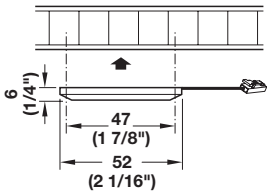
Loox

12 V System

RGB

0 100%

2



- Light color: RGB
- Wattage: 1.7
- Number of LEDs: 9
- Lumen: 15
- Lumen per watt: 9

L x W x H: 52 x 52 x 6 mm (2 1/16" x 2 1/16" x 1/4")

Material: Stainless Steel, matt

	Item No.
	833.73.100

Supplied With
2.5 m (98 3/8") lead

Note
Dimmed with mixer/remote only.

Remote Control

Material: Plastic

Color	Item No.
black	833.74.708

Note
Max. 10 color mixers controlled with 1 remote within a radius of 15 m (49').

Color Mixer

- With 4-way distributor
- Max.: 30 W
- Power consumption: 0.6 W

W x D x H: 90 x 53 x 16 mm (3 9/16" x 2 1/16" x 5/8")

Material: Plastic

Color	Item No.
white	833.74.802

Note
RGB remote and mixer must be paired for normal operation.

9-way Distributor

Material: Plastic

Color	Item No.
white	833.74.741

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 IP20

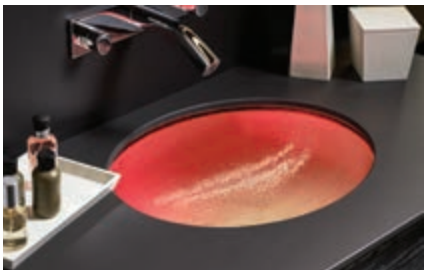
Driver page 2.27

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

RGB Strip Light with 150 LEDs

- Extremely bright light sources with changing colors

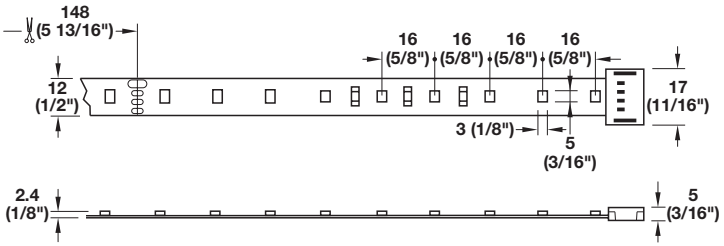


Loox

12 V System

RGB

0 100%



- Light color: RGB
- Wattage: 30 W at Max. 4.2 m (13' 9 3/8") per lead
- Number of LEDs: 150 (30 per meter)
- Lumen: 1224
- Lumen per watt: 34

L x W x H: 5000 x 10 x 2.5 mm (196 7/8" x 3/8" x 1/8")

Material: LED board

Color	Item No.
white	833.73.450

Supplied With
2000 mm (78 3/4") lead

Note
Dimmed with mixer/remote only.

Mains Lead

- With 12 V plug system and clip

Material: Plastic; Color: white

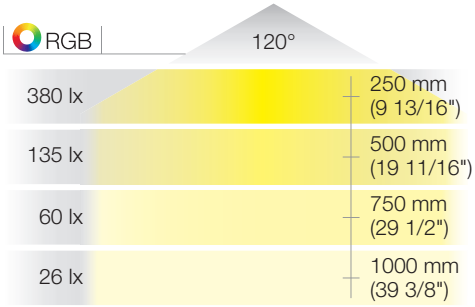
Length	Item No.
2000 (78 3/4")	833.74.764
4000 (157 1/2")	833.74.745

Interconnecting Lead

- With clip

Material: Plastic; Color: white

Length	Item No.
50 (2")	833.74.766
500 (78 3/4")	833.74.767
1000 (39 3/8")	833.74.779
2000 (78 3/4")	833.74.768



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 IP20

Driver page 2.27

Clip Connector

Material: Plastic

Color	Item No.
white	833.74.761

Corner Connector, rigid

- For RGB LED strip light

Material: Plastic

Color	Item No.
white	833.74.760

Color Mixer

- With 4-way distributor
- Max.: 30 W
- Power consumption: 0.6 W

W x D x H: 90 x 53 x 16 mm
(3 9/16" x 2 1/16" x 5/8")

Material: Plastic

Color	Item No.
white	833.74.802

Note
RGB remote and mixer must be paired for normal operation.

Remote Control

Material: Plastic

Color	Item No.
black	833.74.708

Note
Max. 10 color mixers controlled with 1 remote within a radius of 15 m (49').

9-way Distributor

Material: Plastic

Color	Item No.
white	833.74.741

Supplied With
1000 mm (39 5/8") lead

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

RGB Flexible Strip Light

- Furniture is put into the right light with individually selectable light colors
- Can be shortened every 75 mm (3")
- Ideal for retrofitting

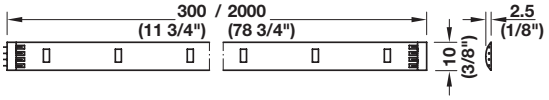
Note
Self adhesive remnants cannot be reused.

Loox

12 V System

RGB

0 100%



- Light color: RGB
- Max. 5 m (16' 4 7/8") per lead

W x H: 10 x 2.5 mm (3/8" x 1/8")

Material: LED board; Color: white

Length	Wattage	Number of LEDs	Lumen	Lumen per Watt	Item No.
300 (11 3/4")	2	12	22	12	833.73.320
2000 (78 3/4")	12	72	129	13	833.73.322

Note
Cannot be dimmed.

Interconnecting Lead

- Connection between flexible strip lights and color mixer

Length: 2500 mm (98 3/8")

Material: Plastic

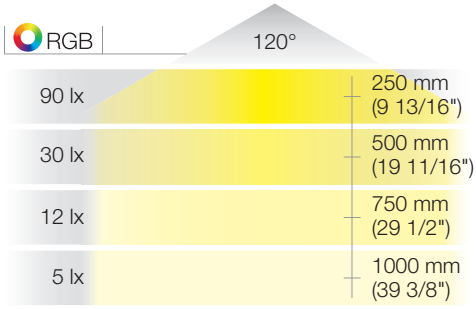
Color	Item No.
white	833.74.711

Interconnecting Lead

- For corner connections

Material: Plastic; Color: white

Length	Item No.
50 (2")	833.74.710
500 (19 11/16")	833.74.762
1000 (39 3/8")	833.74.777



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 US RoHS IP20

Color Mixer

- With 4-way distributor
- Max.: 30 W
- Power consumption: 0.6 W

W x D x H: 90 x 53 x 16 mm
(3 9/16" x 2 1/16" x 5/8")

Material: Plastic

Color	Item No.
white	833.74.802

Note
RGB remote and mixer must be paired for normal operation.

Remote Control

Material: Plastic

Color	Item No.
black	833.74.708

Note
Max. 10 color mixers controlled with 1 remote within a radius of 15 m (49').

9-way Distributor

Material: Plastic

Color	Item No.
white	833.74.741

Supplied With
1000 mm (39 5/8") lead

Driver page 2.27

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Sensor-Controlled Toe Kick Light

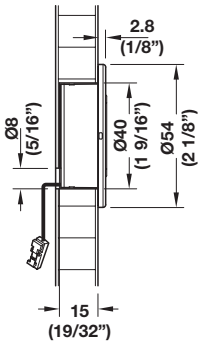
- Cannot be dimmed
- For mounting in drilled hole
- Delay time: approx. 4 min.
- Motion sensor range: 120° and 2000 mm (78 3/4")

IP44
IP = Ingress Protection.
44 = Protected against solid objects greater than 1 mm in diameter.
44 = Water splashed against the enclosure from any direction for three minutes. The fixture is tilted at any angle up to 15° from it's normal position.

Loox

12 V System

Water Tolerant



IP44

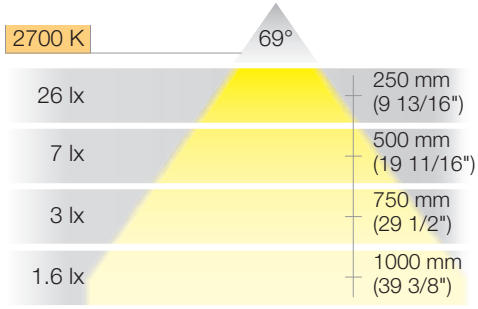
- Light color: 2700 K warm white
- LEDs: 3
- Lumen: 4
- Lumen per watt: 12
- Wattage: 0.34
- CRI: 90
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 0.37

Drill hole: Ø40 mm (1 9/16")
Ø x H: 54 x 17.3 mm (2 1/8" x 11/16")

Material: Stainless Steel

Finish	Item No.
brushed steel	833.73.110
matt black	833.73.111

Supplied With
2000 mm (78 3/4") lead
Mounting material
Silicone gasket



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 IP20 IP44

Driver page 2.27

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

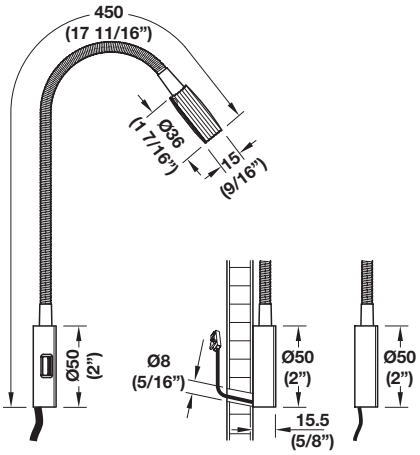
Flexible Light with USB Charging Station

- Dimmable with integrated push switch
- Surface mounted
- With 2 integrated USB ports

Loox

12 V System

0 100%



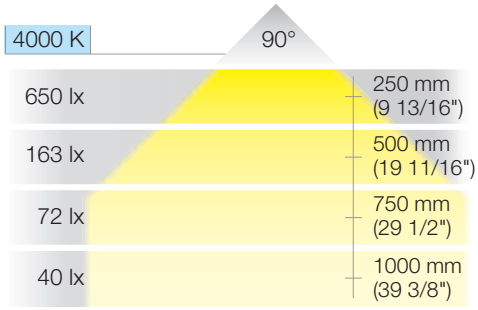
- Light color: 4000 K cool white
- USB: 5 V / 2 A for two ports
- LEDs: 3
- Lumen: 105
- Lumen per watt: 70
- Wattage: 17 (1.5 W for light)
- CRI: 82
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.65

L x W x H: 450 x 50 x 15.5 mm (17 11/16" x 2" x 5/8")

Material: Aluminum

Finish	Item No.
chrome-plated	833.74.090
black	833.74.091
silver colored anodized	833.74.092

Supplied With
2000 mm (78 3/4") lead
Mounting material



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 RoHS IP20

Driver page 2.27

Dimensions in mm
Inches are approximate

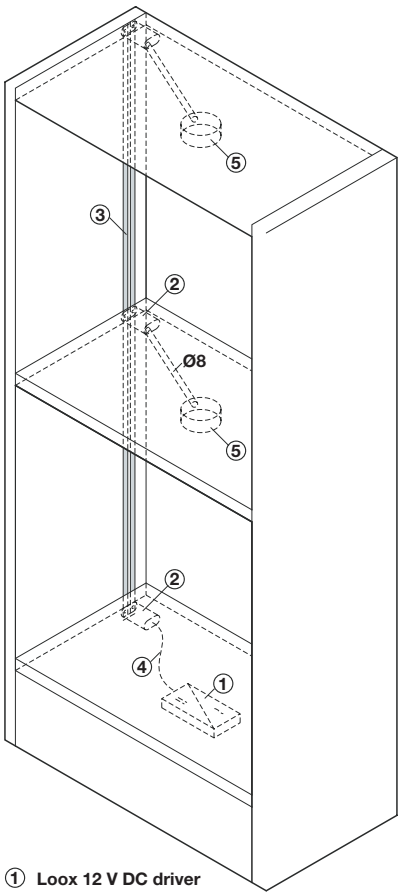
Dimensional data not binding. We reserve the right to alter specifications without notice.

Adjustable Shelf Lighting System

- For adjustable shelves in furniture
- Max. 30 W per cabinet
- Shelf lighting can be variably adjusted – no change of wiring required
- The light connects to the plunger contact housing

Loox

12 V System



① **Loox 12 V DC driver**
② **Plunger 833.02.704**
③ **Dual Contact Strip 833.02.706**
④ **Power cable 833.02.707**
⑤ **12 V DC Loox light**

Plunger Contact Housing

- Rear Loox plug-in contact for 12 V
- For mortised insertion or surface mounting with screws

Material: Plastic

Color	Item No.
gray	833.02.704

Note
Please order connecting cable for Plunger Contact Housing separately.

Connection Cable for Plunger Contact Housing

Length: 1800 mm (70 7/8")

Material: Plastic

Color	Item No.
black	833.02.707

Note
Always insert the shelf with spring contact along the contact strip in order to avoid damage to the contact strip. One required per cabinet to connect to driver

Dual Contact Strip

- Self-adhesive, surface applied
  W x L: 18.5 mm x 20 m (3/4" x 65' 7 3/8")

Material: Plastic

Finish	Item No.
copper	833.02.706

Note
Order 1 plunger contact housing per shelf and 1 for driver connection.

Driver page 2.27

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Constant Voltage 12 V Driver

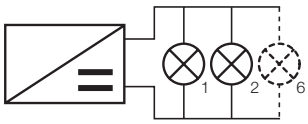
- Suitable for all of the world's power systems
- With an integrated port for a wide selection of switches
- Max. 30 W per light output
- Lead length from driver to switch: Max.: 6 m (236 1/4")

Loox

12 V System

1. Item No. 833.74.900 ⊗1 + ⊗2 +...+ ⊗6 < 15 W
2. Item No. 833.74.917 ⊗1 + ⊗2 +...+ ⊗6 < 20 W
3. Item No. 833.74.901 ⊗1 + ⊗2 +...+ ⊗6 < 30 W
4. Item No. 833.74.913 ⊗1 + ⊗2 +...+ ⊗6 < 60 W

max. 30 W per light output



Parallel connection

- Input voltage: 100-240 V; 50-60 Hz
- Output voltage: 12 V DC
- Degree of protection: IP 20
- Number of slots: 6 for lights, 1 for switch, 1 for power cord

Material: Plastic; Color: black

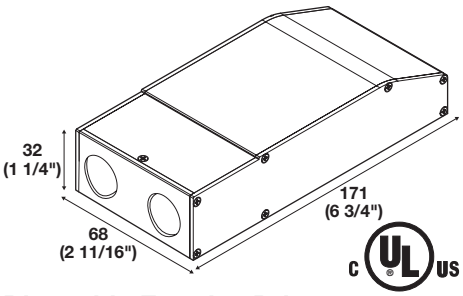
L x W x H	Rating	Wattage		Item No.
140 x 43 x 20 (5 1/2" x 1 11/16" x 13/16")	LPS	0 – 15	1	833.74.900
128 x 50.5 x 14 (5 1/16" x 2" x 9/16")	Class 2	0 – 20	2	833.74.917
195 x 43 x 28 (7 11/16" x 1 11/16" x 1 1/8")	LPS	0 – 30	3	833.74.901
208 x 56.5 x 30 (8 3/16" x 2 1/4" x 1 3/16")	Class 2	0 – 60	4	833.74.913

Supplied With
US plug

Power Cord and Adapter

Material: Plastic; Color: black

Description	Item No.
90° plug with 2 m (78 3/4") power cord	833.89.017
90° plug adapter	833.89.018



Dimmable E-series Driver

- Output Voltage: 12 VDC
- Input Voltage: 120 V 60 Hz
- Degree of protection: Nema 3R enclosure type
- Hard wired by licensed electrician only
- Dimmable with any standard MLV/CL (Triac) Forward Phase Dimmer Switch
- Class 2 low voltage power supply
- 8 W min load

L x W x H: 172 x 69 x 32 mm
(6 3/4" x 2 11/16" x 1 1/4")

Material: Aluminum; Color: black

Max. Load	Output Current	Item No.
20 W	1.67 A	833.02.964
40 W	3.33 A	830.02.963
60 W	5 A	833.02.962

Country-Specific Primary Leads

Material: Plastic; Color: black

Item No.	833.89.000	833.89.001	833.89.002	833.89.003	833.89.004	833.89.005	833.89.006	833.89.050	833.89.008
Plug design									
Designation	UK	AU	EU	US	JP	CN	KR	US	US
Voltage (V)	250	250	250	120	100	250	250	120	120
Length	2000 (78 3/4")								3000 (118")

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 N13851 A/12586EA SELV IP20

Switches	pages 2.74 - 2.76
Extension leads	page 2.78

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Constant Voltage Plug-in Driver

- 12 V modular
- With socket for lead

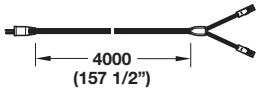
Loox

12 V System

- Input voltage: 100-240 V; 50-60 Hz
- Output voltage: 12 VDC
- Degree of protection: IP 20
- Rating Class: 2
- Stand-by power consumption: 0.3 W

Material: Plastic; Color: black

L x W x H	Power Output (W)	Item No.
61 x 37 x 43 (2 3/8" x 1 1/2" x 1 11/16")	6	833.74.934
78 x 46 x 54 (3 1/16" x 1 13/16" x 2 1/8")	15	833.74.936
84 x 50 x 58 (3 5/16" x 2" x 2 5/16")	27	833.74.938

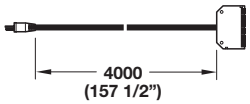


Secondary Lead 12 V

- 4 m (157 1/2") lead with 2 connections

Material: Plastic

Color	Item No.
black	833.74.749

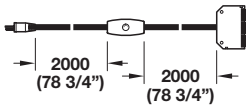


Secondary Lead 12 V

- 4 m (157 1/2") lead with 6-way distributor

Material: Plastic

Color	Item No.
black	833.74.748

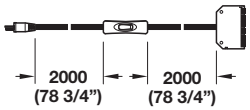


Secondary Lead 12 V

- 4 m (157 1/2") lead with dimmer and 6-way distributor

Material: Plastic

Color	Item No.
black	833.74.709



Secondary Lead 12 V

- 4 m (157 1/2") lead with rocker switch and 6-way distributor

Material: Plastic

Color	Item No.
black	833.74.746

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

RoHS SELV IP20

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Round Puck

- High efficiency light output
- For use with Loox 12 V driver

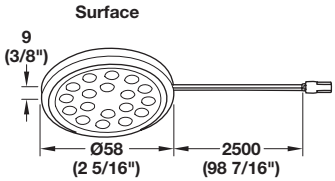
Luminoso

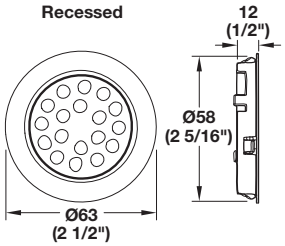
12 V System

2

Surface

Recessed





- Number of LEDs: 18
- Wattage: 1.3
- CRI: >80

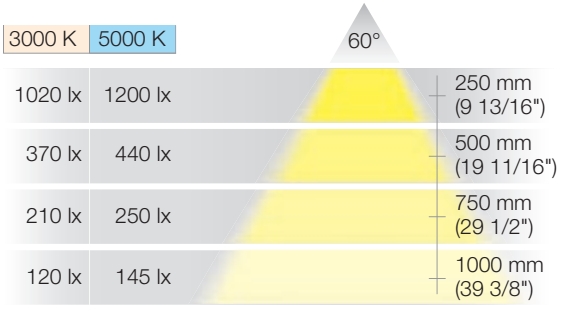
Surface: Ø58 mm (2 5/16")
Recessed: Ø63 mm (2 1/2") with Ø58 mm (2 5/16") for recessed drilling

Material: Thermoplastic

Light Color (K)	Finish	Mounting	Lumen	Lumen per watt	Item No.
3000 warm white	chrome	surface	95	76	830.64.231
3000 warm white	brushed steel	surface	95	76	830.64.931
5000 cool white	chrome	surface	90	72	830.64.230
5000 cool white	brushed steel	surface	90	72	830.64.930
3000 warm white	chrome	recessed	95	76	830.64.261
3000 warm white	brushed steel	recessed	95	76	830.64.961
5000 cool white	chrome	recessed	90	72	830.64.260
5000 cool white	brushed steel	recessed	90	72	830.64.960

Supplied With
2500 mm (98 7/16") Cable with Loox plug

Note
Order required Loox 12 V driver separately.



Drill Bit

Ø58 mm (2 5/16")

Material: Steel, carbide-tipped

Item No.
001.07.522

Driver page 2.27

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

HÄFELE

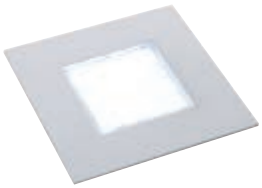
Square Puck

- High efficiency light output
- For use with Loox 12 V driver

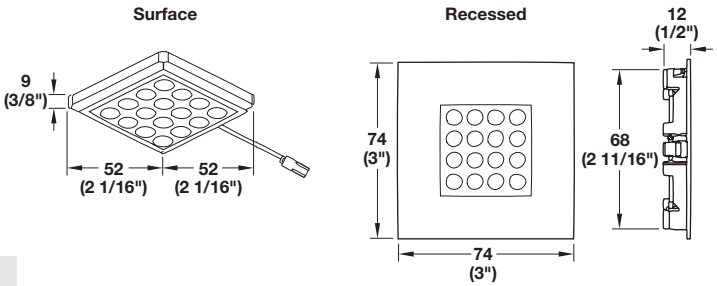
Luminoso

12 V System

Surface



Recessed



- Number of LEDs: 18
- Wattage: 1.3
- CRI: <80

Surface: 52 x 52 mm (2 1/16" x 2 1/16")
Recessed: 74 x 74 mm (2 7/8" x 2 7/8") with Ø68 mm (2 11/16") for drilling

Material: Thermoplastic

Light Color (K)	Finish	Mounting	Lumen	Lumen per watt	Item No.
3000 warm white	chrome	surface	90	72	830.64.241
3000 warm white	brushed steel	surface	90	72	830.64.941
5000 cool white	chrome	surface	85	68	830.64.240
5000 cool white	brushed steel	surface	85	68	830.64.940
3000 warm white	chrome	recessed	90	72	830.64.271
3000 warm white	brushed steel	recessed	90	72	830.64.971
5000 cool white	chrome	recessed	85	68	830.64.270
5000 cool white	brushed steel	recessed	85	68	830.64.970

Supplied With
2500 mm (98 7/16") Cable with Loox plug

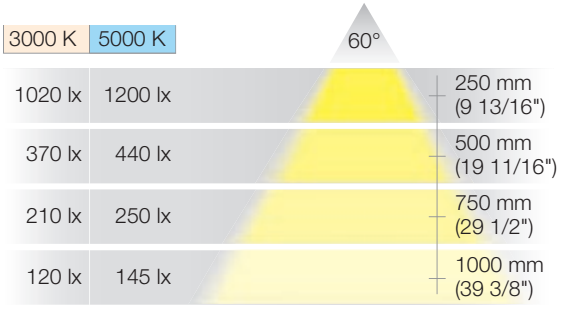
Note
Order required Loox 12 V driver separately.

Drill Bit

Ø68 mm (2 11/16")

Material: Steel, carbide-tipped

Item No.
001.08.016



Driver page 2.27

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

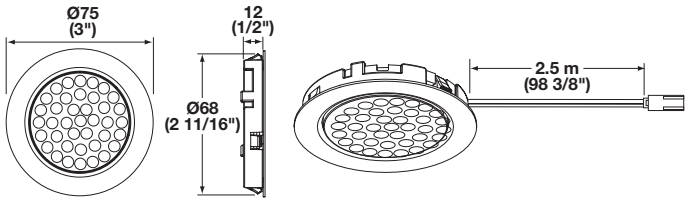
Nova

- High intensity light output
- Great solution for task lighting applications
- For use with Loox 12 V driver

Luminoso

12 V System

2



Brushed steel

Chrome

- Light color: 4000 K cool white
- Number of LEDs: 72
- Wattage: 3.2
- Lumen: 220
- Lumen per watt: 69
- CRI: 80

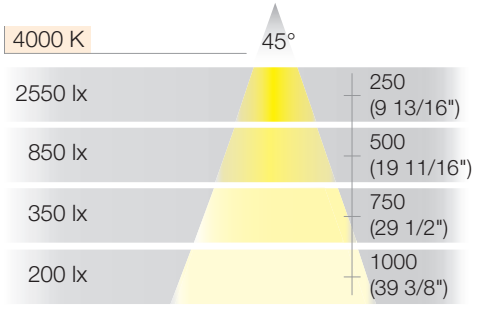
Drill hole: Ø68 mm (2 11/16")
Ø75 mm (3")

Material: Thermoplastic

Finish	Item No.
chrome	833.00.460
brushed steel	833.00.461

Supplied With
2500 mm (98 7/16") Cable with Loox plug

Note
Order required Loox 12 V driver separately.



Driver page 2.27

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

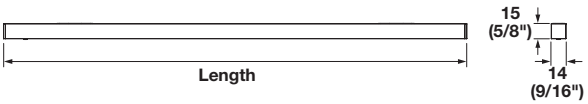
HÄFELE

Bali 156 LED

- Surface mounted aluminum light fitting with high intensity LED light output
- Ideal for use inside or under cabinets
- Invisible mounting with included clips
- No routing required for installation
- Diffuser reduces glare
- For use with Loox 12 V driver

Luminoso

12 V System



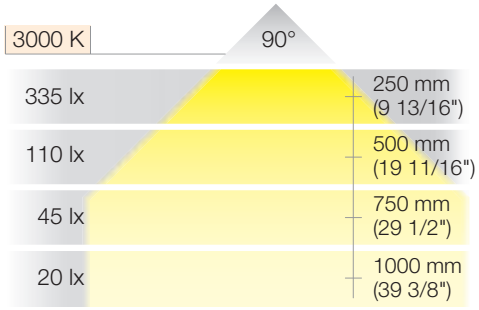
- Light color: 3000 K warm white
- Lumen per watt: 85

Material: Housing: Aluminum; Diffuser: Plastic

Length	Wattage	# of LEDs	Lumen	Item No.
450 (17 11/16")	6.8	62	605	833.01.415
600 (23 5/8")	9.3	86	828	833.01.416
900 (35 7/16")	14.4	132	1282	833.01.417
1200 (47 1/4")	19.5	175	1736	833.01.418

Supplied With
3000 mm (118") Cable with Loox plug

Note
Order required Loox 12 V driver separately.



Driver page 2.27

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

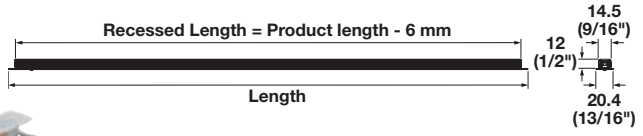
Malindi 156 LED

- Recessed aluminum light fitting with high intensity LED light output
- Ideal for shelving or under cabinet lighting applications
- Light reflects evenly at 50° on both sides
- Diffuser reduces glare
- For use with Loox 12 V driver

Luminoso

12 V System

2



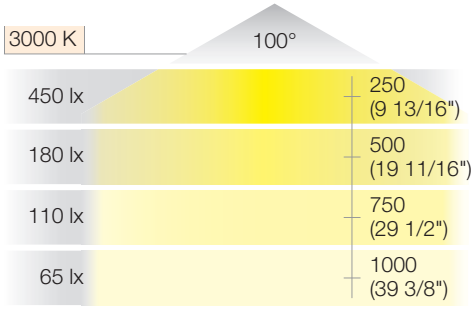
- Light color: 3000 K warm white
- Lumen per watt: 85

Material: Housing: Aluminum; Diffuser: Plastic

Length	Wattage	# of LEDs	Lumen	Item No.
500 (19 11/16")	7.7	71	685	833.00.981
760 (29 15/16")	12.7	111	1077	833.00.982
1000 (39 3/8")	16.7	145	1433	833.00.983

Supplied With
3000 mm (118") Cable with Loox plug

Note
Order required Loox 12 V driver separately.



Driver page 2.27

Dimensions in mm
Inches are approximate

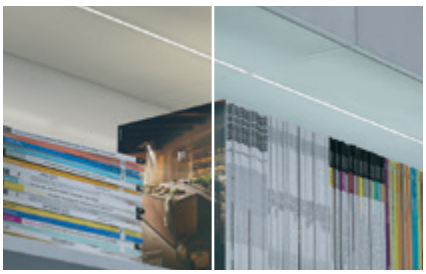
Dimensional data not binding. We reserve the right to alter specifications without notice.

HÄFELE

Multi-white Recessed/Surface Bar Light

- Light color is infinitely variable from warm white to daylight
- Dimmable
- Provides uniform Illumination of cabinets, recesses and work surfaces
- Very high light output
- Light and profile can be cut-to-size every 25 mm (1”), after every 6 LEDs
- Use included adapter cable to switch color temperature from warm to daylight

Note
Insert Plate Length = Profile Length – 5 mm (3/16”)

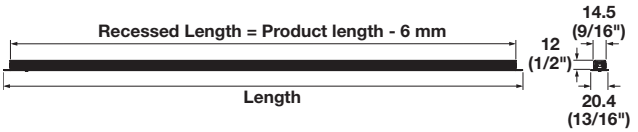


Warm Daylight

Luminoso

12 V System

0 100%



LED 1103 Recessed

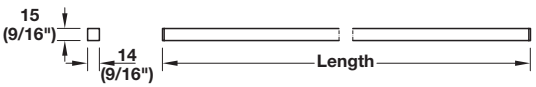
- Light color: Multi-white: 2700 K warm white – 6500 K daylight

Material: Aluminum; Finish: silver colored anodized

Length	Wattage	Lumen	Item No.
1500 (59”)	22.5	1583	833.03.071
1000 (39 3/8”)	15	1037	833.03.070

Supplied With
Lighting profile for recess mount LED strip light
2 - 2000 mm (78 3/4”) driver connecting cables
(1 right and 1 left of the strip)
2 End caps
Adapter cable

Note
Order required Loox 12 V driver separately.



LED 1102 Surface

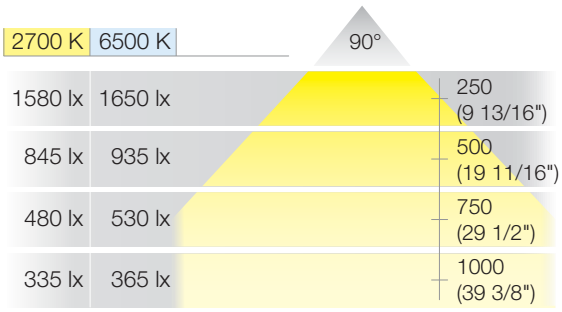
- Light color: Multi-white: 2700 K warm white – 6500 K daylight

Material: Aluminum; Finish: silver colored anodized

Length	Wattage	Lumen	Item No.
1500 (59”)	22.5	1583	833.04.081
1000 (39 3/8”)	15	1037	833.04.080

Supplied With
Lighting profile
Screw mounted LED strip light
2 - 2000 mm (78 3/4”) driver connecting cables
(1 right and 1 left of the strip)
2 End caps
Adapter cable

Note
Order required Loox 12 V driver separately.



Driver page 2.27

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Multi-white Recess Mounted Lights, IP20

- Recess mounted
- Dimmable
- Use included adapter cable to switch color temperature from warm white to daylight white
- Fixture can emit 2700 K and 6500 K with a standard 12 V Loox Driver
- Optional switching accessories on page **2.36** allow for color temperature adjustment from 2700 K - 6500 K

Luminoso

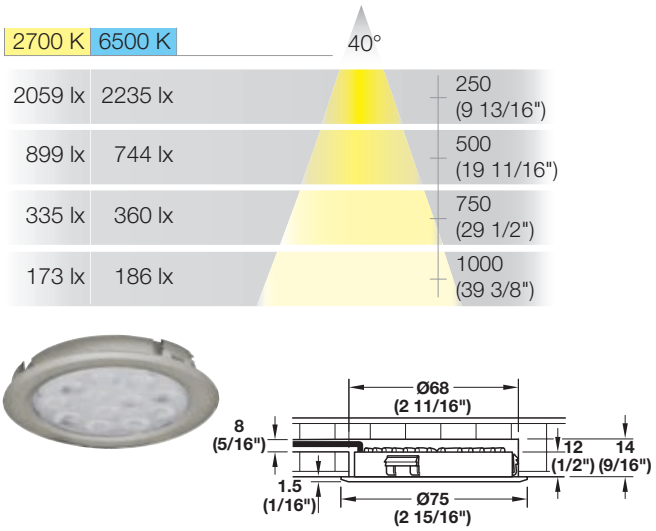
0 100%

12 V System

2

LED 1101

- Light color infinitely variable from warm white to daylight
- Extremely high light intensity
- Recessed mounting



- Light color: Multi-white: 2700 K warm white – 6500 K daylight
- Drill hole Ø with clamp: 68 mm (2 11/16")

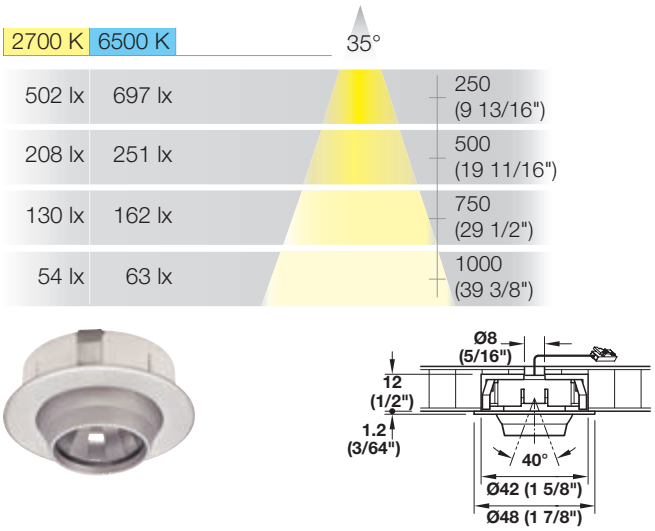
Material: Plastic; Finish: silver colored

Number of LEDs	Wattage	Lumen	Item No.
12	3	185	833.00.610

Supplied With
2000 mm (78 3/4") driver connecting cable
Mounting material

LED 1109

- Light color infinitely variable from warm white to daylight
  Ideal targeted illumination
- 40° pivoting each side



- Light color: Multi-white: 2700 K warm white – 6500 K daylight
- Drill hole Ø with clamp: 42 mm (1 5/8")

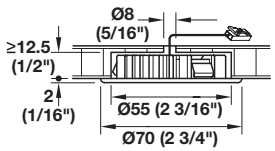
Material: Plastic; Finish: silver colored

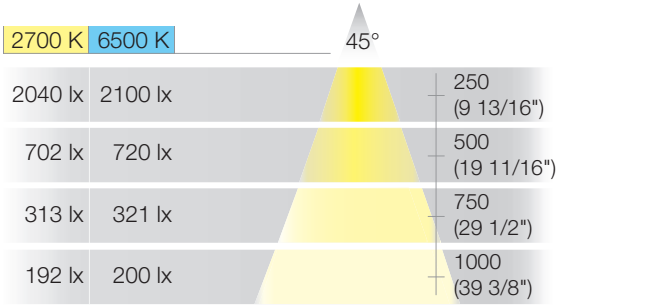
Number of LEDs	Wattage	Lumen	Item No.
18	2	80	833.00.630

Supplied With
2000 mm (78 3/4") driver connecting cable
Mounting material

LED 1110

- Light color infinitely variable from warm white to daylight
- Easily exchangeable as the cable plug is located next to the light





- Light color: Multi-white: 2700 K warm white – 6500 K daylight
- Drill hole Ø with clamp: 58 mm (2 9/32")

Material: Stainless Steel; Body: Zinc die-cast, brushed

Number of LEDs	Wattage	Lumen	Item No.
18	3	160	833.00.680

Supplied With
2500 mm (98 7/16") driver connecting cable
Mounting material

Driver page 2.27

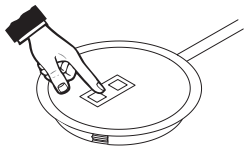
Dimensions in mm
Inches are approximate

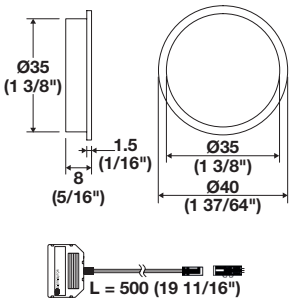
Dimensional data not binding. We reserve the right to alter specifications without notice.

Touch Dimmer/Amplifier for Control Unit

12 V System

0 100%





Multi-white LED Touch Dimmer

- Light color is infinitely variable from warm white to daylight
- Dimmable
- Memory function when powered off
- With 6 ports
- With spacer ring for surface mounting

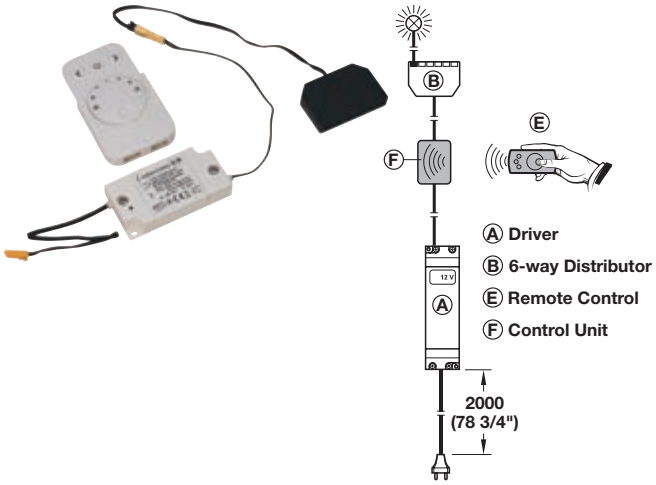
Ø x H: 35 x 8 mm (1 3/8" x 5/16")

Material: Plastic

Color	Item No.
silver	833.02.779

Supplied With
2000 mm (78 3/4") connecting cables
6-way distributor

Note
Max. 30 W per dimmer



Remote Control Unit for Multi-white LED

- Light color is infinitely variable from warm white to daylight
- 3 dimming levels
- Memory function when powered off
- With 6 ports

W x D x H: 60 x 40 x 10 mm (2 3/8" x 1 5/8" x 3/8")

Material: Plastic

Color	Item No.
white	833.00.618

Supplied With
6-way distributor with 2000 mm (78 3/4") cable
Remote Control

Note
Max. 9 receivers can be controlled with remote;
Max. 30 W per receiver

6-way Distributor

Material: Plastic

Color	Item No.
black	833.74.743

Extension Kit

Material: Plastic

Color	Item No.
white	833.00.617

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Overview

Loox

24 V System

2

LED 3023/3025
Down Lights
pages 2.38-2.39

LED 3010/3001/3002/3005
Down Lights
pages 2.40-2.43

LED 3028/3015
Strip Lights
pages 2.44-2.45

LED 3015
Light Bar Kits
pages 2.46-2.47

LED 3018
Flexible Light
page 2.48

LED 3027/3017
Multi-White Lights
pages 2.49-2.50

24 V Drivers
Constant Voltage
page 2.51

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

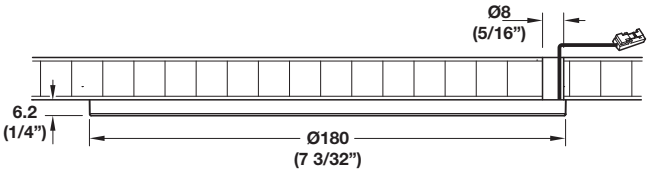
Surface Mounted Light

- Simple elegance and homogeneous light output
- Can be used universally with a slimline appearance and round design
- Extremely flat design allows for a creative application solution
- Dimmable
- Screw mounted

Loox

24 V System

0 100%



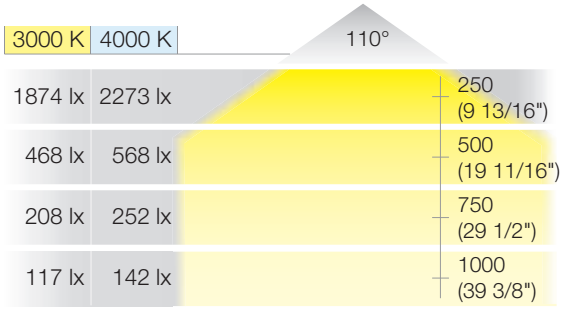
- Wattage: 4.8
- Number of LEDs: 77
- CRI: 82
- Energy efficiency category: A++
- Weighted energy consumption (kWh/1.000 h): 5.50

Ø x H: 180 x 6.2 mm (7 3/32" x 1/4")

Material: Plastic; Finish: silver colored

Light Color (K)	Lumen	Lumen per watt	Item No.
3000 warm white	362	75	833.77.130
4000 cool white	408	85	833.77.131

Supplied With
2000 mm (78 3/4") lead
Mounting material



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

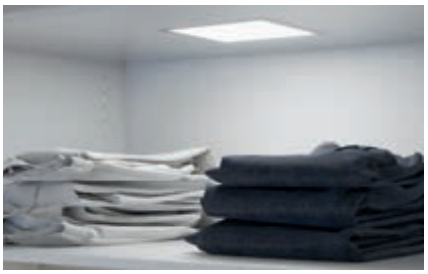
Driver page 2.51

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Surface Mounted Light

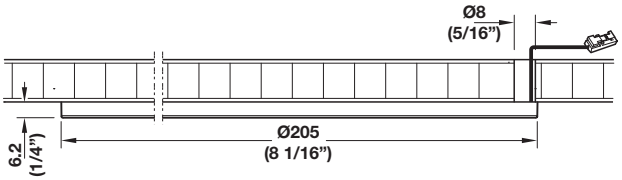
- Square design is an alternative to the classical round light
- Radiates extensive, bright illumination enhancing both living areas and store displays
- Dimmable
- Screw mounted



Loox

24 V System

0 100%



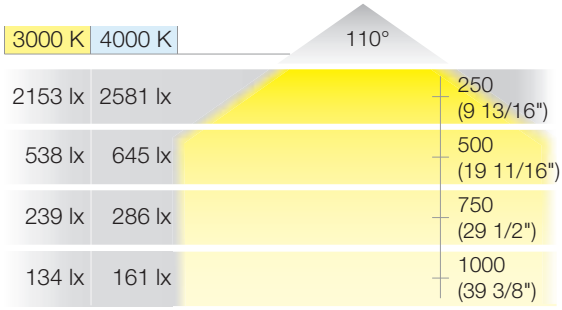
- Number of LEDs: 70
- CRI: 82
- Wattage: 5.8
- Energy efficiency category: A++
- Weighted energy consumption (kWh/1.000 h): 7.15

L x W x H: 205 x 205 x 6.2 mm (8 1/16" x 8 1/16" x 1/4")

Material: Plastic; Color: silver colored

Light Color (K)	Lumen	Lumen per watt	Item No.
3000 warm white	430	74	833.77.120
4000 cool white	530	91	833.77.121

Supplied With
2000 mm (78 3/4") lead
Mounting screws



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

Driver page 2.51

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

HÄFELE

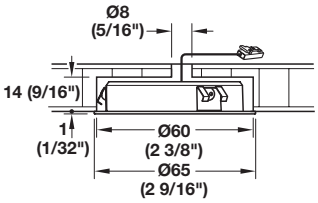
Recess/Surface Mounted Light

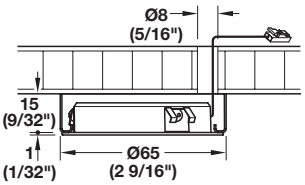
- Bright, even luminosity
- 3 installation options

Loox

24 V System

0 100%





- Drill: Ø60 mm (2 3/8")
- Wattage: 3.25
- Number of LEDs: 1 (COB)
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 3.58

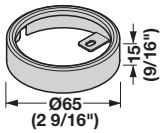
Ø x H: 65 x 13 mm (2 9/16" x 17/32")

Material: Aluminum; Finish: silver colored anodized

Light Color (K)	Lumen	Lumen per Watt	CRI	Item No.
3000 warm white	250	76	82	833.75.040
4000 cool white	267	82	84	833.75.041
6000 daylight	271	83	83	833.75.042

Supplied With
2000 mm (78 3/4") lead
Clear glass lens
Frosted replacement glass lens
Mounting hardware

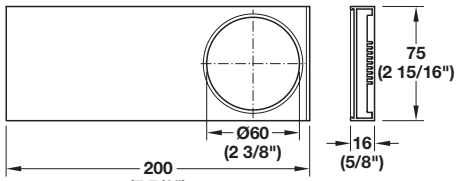
Note
Dimmable only with Loox driver, see page 2.51.

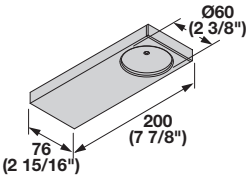


Surface Mounted Ring

Material: Steel

Color	Item No.
silver colored	833.77.730

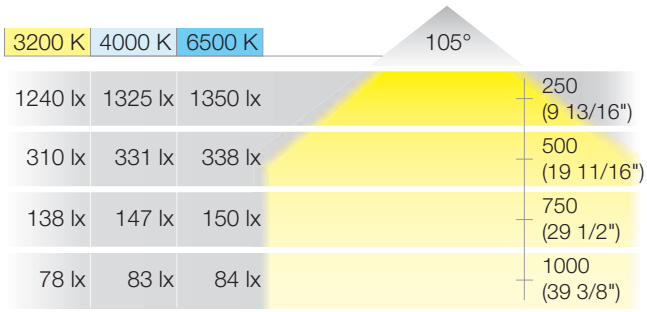




Housing, for ring

Material: Steel

Color	Item No.
silver colored	833.77.731



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE UL US R36733 RoHS IP20

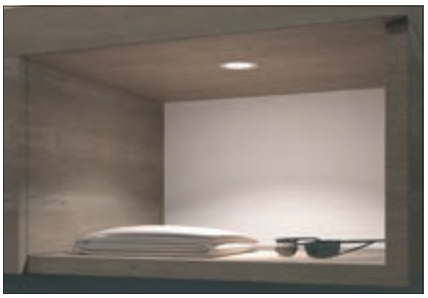
Driver page 2.51

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Recess/Surface Mounted Light

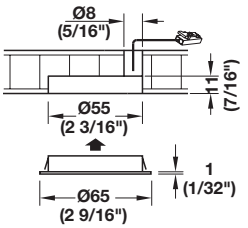
- Enhances display cabinets and shelves
- Can be surface or recess mounted
- Two light colors provide options in design

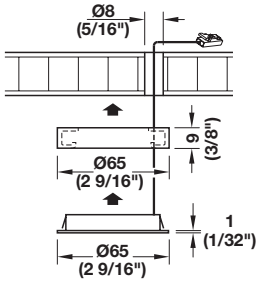


Loox

24 V System

0 100%





- Wattage: 1.7
- Number of LEDs: 24
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.82

Ø x H: 65 x 11 mm (2 9/16" x 7/16")

Material: Aluminum with clear glass

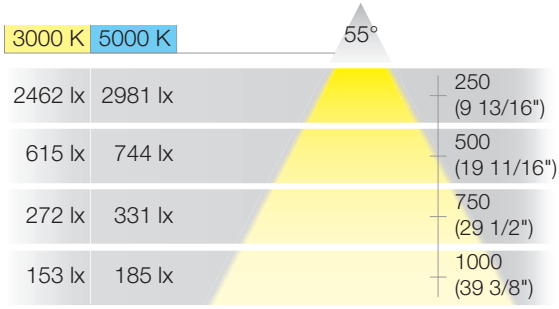
Light Color (K)	Finish	Lumen	Lumen per watt	CRI	Item No.
5000 cool white	silver	115	68	90	833.75.006
3000 warm white	silver	140	82	82	833.75.016
5000 cool white	black	115	68	90	833.75.007
3000 warm white	black	140	82	82	833.75.017

Supplied With
2000 mm (78 3/4") lead

Surface Mounted Ring

Material: Steel

Color	Item No.
silver	833.77.710
black	833.77.711



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

Driver page 2.51

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

HÄFELE

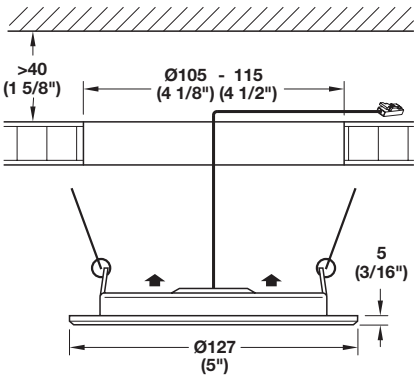
Recess Mounted Light

- Primarily for suspended panels
- Extremely high light intensity
- Ideal for wall units, display cabinets, shelving or a lighted valance over a sink

Loox

24 V System

2



- Wattage: 4.4
- Number of LEDs: 60
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 4.18

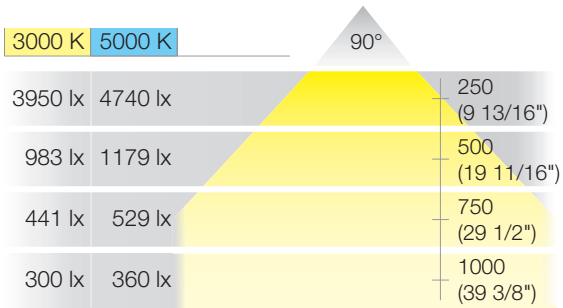
Ø x H: 127 x 18 mm (5" x 11/16")

Material: Aluminum; Color: silver colored anodized with clear glass

Light Color (K)	Lumen	Lumen per Watt	CRI	Item No.
5000 cool white	350	92	92	833.75.021
3000 warm white	293	77	90	833.75.032

Supplied With
2000 mm (78 3/4") lead

Note
Cannot be dimmed.



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

Driver page 2.51

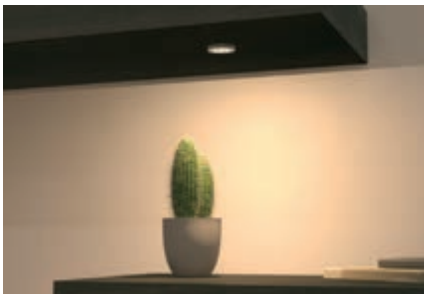
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Surface Mounted Light

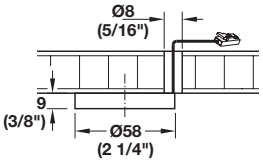
- Decorative and compact
- Stylish design complements furniture in the living areas
- Self adhesive installation



Loox

24 V System

0 100%



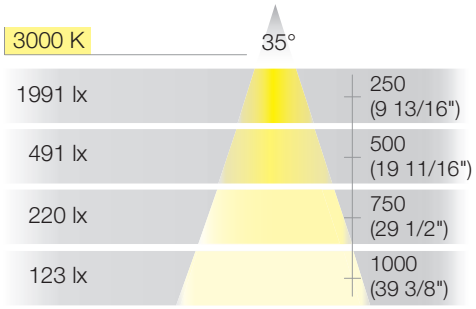
- Light color: 3000 K warm white
- Wattage: 0.8
- Number of LEDs: 12
- Lumen: 56
- Lumen per watt: 70
- CRI: 90
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 0.88

Ø x H: 58 x 9 mm (2 5/16" x 3/8")

Material: Aluminum with clear glass

Finish	Item No.
silver colored anodized	833.76.023

Supplied With
2000 mm (78 3/4") lead



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

Driver page 2.51

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Flexible Strip Light, Two Rows

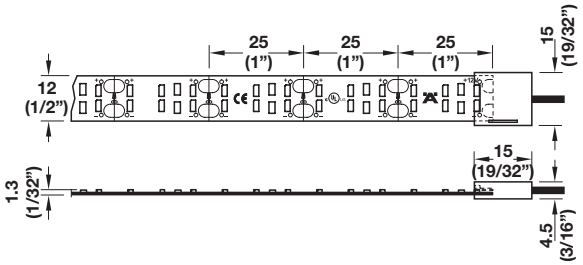
- Dimmable
- Can be shortened every 25 mm (1”)
- Installation only with aluminum profile
- All aluminum profiles are suitable except 833.72.860, 833.72.863, 833.72.864, 833.72.865, 833.74.809, 833.74.814 and 833.74.835

Note
Not for continuous use. Operate < 8 hrs.

Loox

24 V System

0 100%



- Wattage: 96 (19.2 per meter) [5.85 per foot]
- Number of LEDs: 1200 (240 per meter)
- CRI: 82
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 21.12

L x W x H: 5000 x 12 x 1.3 mm (196 7/8” x 1/2” x 1/32”)

Material: LED board; Color: white

Light Color (K)	Lumen	Lumen per Watt	Item No.
2700 warm white	7700	80	833.77.173
3000 warm white	8090	84	833.77.170
4000 cool white	8110	84	833.77.171
5000 cool white	8140	85	833.77.172

Supplied With
2000 mm (78 3/4”) lead

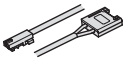
Note
Max. 2500 mm (98 7/16”) LED strip (60 W) can be connected to a single output of the 75 W driver.
The chart values apply to a strip light length of 1000 mm (39 3/8”).

Clip Connector

Material: Plastic

Color	Item No.
white	833.77.761

2700 K	3000 K	4000 K	5000 K	120°
4180 lx	4307 lx	4436 lx	4533 lx	250 (9 13/16")
1045 lx	1077 lx	1109 lx	1133 lx	500 (19 11/16")
464 lx	478 lx	493 lx	503 lx	750 (29 1/2")
261 lx	269 lx	277 lx	283 lx	1000 (39 3/8")

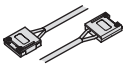


Lead

Material: Plastic; Color: black

Length	Item No.
2000 (78 3/4”)	833.77.753

Supplied With
24 V plug system, clip for strip light



Interconnecting Lead

Material: Plastic; Color: black

Length	Item No.
50 (2”)	833.77.743
500 (19 5/8”)	833.77.744
1000 (39 3/8”)	833.77.745
2000 (78 3/4”)	833.77.746

Note Loox Lights and Drivers are “Suitable for use within Closet Storage Spaces”

CE cULus R36733 RoHS IP20

Driver page 2.51

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

2

Flexible Strip Light

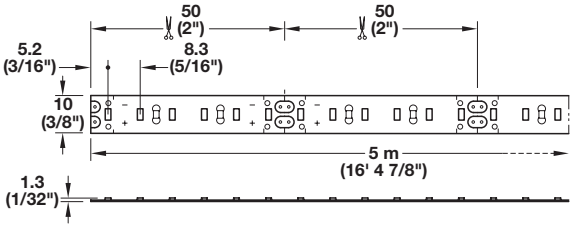
- Can be shortened every 50 mm (1 15/16")
- Self adhesive installation
- High light intensity

Note
Not for continuous use. Operate < 8 hrs.

Loox

24 V System

0 100%



- Wattage: 75 (15 per meter) [4.6 per foot]
- Number of LEDs: 600 (120 per meter)
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 16.50 per meter

L x W x H: 5000 x 10 x 1.3 mm (16' 4 7/8" x 3/8" x 1/32")

Material: LED board; Color: white

Light Color (K)	Lumen	Lumen per watt	CRI	Item No.
3000 warm white	6825	91	85	833.76.080
4000 cool white	6825	91	83	833.76.081
6000 daylight white	7100	95	83	833.76.082

Supplied With
2000 mm (78 3/4") lead

Lead

- With 24 V male plug and clip for LED strip light

Material: Plastic; Color: black

Length	Item No.
100 (4")	833.77.754
2000 (78 3/4")	833.77.750

- With 24 V female plug and clip for LED strip light

Length	Item No.
100 (4")	833.77.755

Interconnecting Lead

Material: Plastic; Color: white/black

Length	Item No.
50 (1 15/16")	833.77.740
500 (19 11/16")	833.77.741
1000 (39 3/8")	833.77.803
2000 (78 3/4")	833.77.742

Clip Connector

Material: Plastic

Color	Item No.
white	833.77.760

Corner Connector, rigid

Color	Item No.
white	833.77.762

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

Driver page 2.51

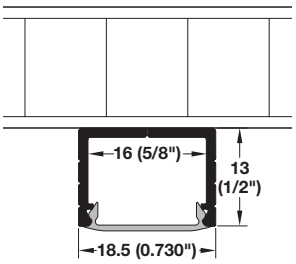
Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

HÄFELE

Surface Mount Led Strip Light with Inline Dimmer Switch

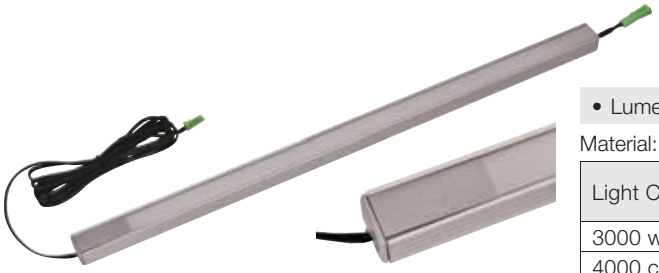
- Supplied ready to install
- Includes surface mount extrusion with milk lens, end caps, Loox 3015 strip, Inline touch on/off dimmer switch, and mounting brackets
- Optimal lengths for installing under your wall cabinets to brighten up your countertop workspace
- Linkable to other light bars, see page **2.47**



Loox

24 V System

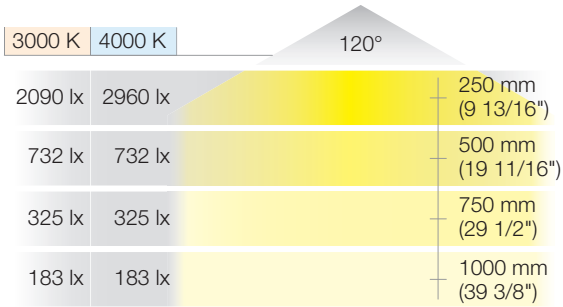
0 100%



- Lumen per watt: 91

Material: Aluminum, clear anodized

Light Color (K)	Length	Number of LEDs	Wattage	Lumen	CRI	Item No.
3000 warm white	152 (6")	9	1.1	102	85	833.76.150
4000 cool white					83	833.76.170
3000 warm white	229 (9")	18	2.3	205	85	833.76.152
4000 cool white					83	833.76.172
3000 warm white	305 (12")	27	3.4	307	85	833.71.233
4000 cool white					83	833.71.238
3000 warm white	381 (15")	36	4.5	410	85	833.76.154
4000 cool white					83	833.76.174
3000 warm white	457 (18")	45	5.6	512	85	833.76.156
4000 cool white					83	833.76.176
3000 warm white	533 (21")	54	6.8	614	85	833.76.158
4000 cool white					83	833.76.178
3000 warm white	610 (24")	63	7.9	717	85	833.71.234
4000 cool white					83	833.71.239
3000 warm white	686 (27")	72	9.0	819	85	833.76.160
4000 cool white					83	833.76.180
3000 warm white	762 (30")	81	10.1	921	85	833.71.235
4000 cool white					83	833.71.240
3000 warm white	838 (33")	90	11.3	1024	85	833.76.162
4000 cool white					83	833.76.182
3000 warm white	914 (36")	99	12.4	1126	85	833.71.236
4000 cool white					83	833.71.241
3000 warm white	991 (39")	108	13.5	1229	85	833.76.164
4000 cool white					83	833.76.184
3000 warm white	1067 (42")	117	14.8	1331	85	833.71.237
4000 cool white					83	833.71.242
3000 warm white	1143 (45")	126	15.8	1433	85	833.76.166
4000 cool white					83	833.76.186



Supplied With
2000 mm (78 3/4") driver connection cable with integrated switch
100 mm (4") female mini driver cable
Mounting brackets
Screws
Two-sided mounting tape

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus R36733 RoHS IP20

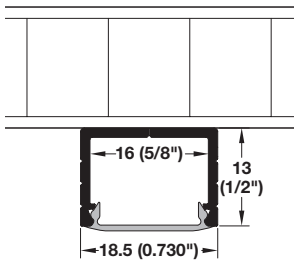
Driver	page 2.51
Components	page 2.80

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Surface Mount Led Strip Light with Linkable Cable

- Supplied ready to install
- Optimal lengths for installing under your wall cabinets to brighten up your countertop workspace
- Linkable to other light bars



Loox

24 V System

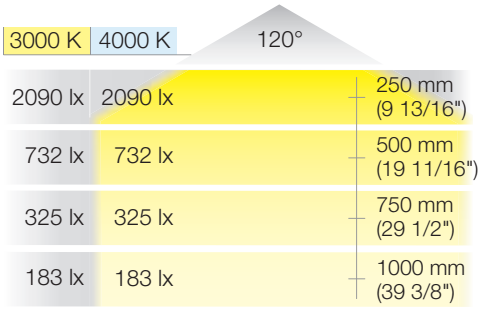
0 100%

2

- Lumen per watt: 91

Material: Aluminum, clear anodized

Light Color (K)	Length	Number of LEDs	Wattage	Lumen	CRI	Item No.
3000 warm white	152 (6")	12	1.5	137	85	833.76.151
4000 cool white					83	833.76.171
3000 warm white	229 (9")	18	2.3	239	85	833.76.153
4000 cool white					83	833.76.173
3000 warm white	305 (12")	30	3.8	341	85	833.71.243
4000 cool white					83	833.71.248
3000 warm white	381 (15")	36	4.6	444	85	833.76.155
4000 cool white					83	833.76.175
3000 warm white	457 (18")	48	6.1	546	85	833.76.157
4000 cool white					83	833.76.177
3000 warm white	533 (21")	54	6.9	648	85	833.76.159
4000 cool white					83	833.76.179
3000 warm white	610 (24")	66	8.3	751	85	833.71.244
4000 cool white					83	833.71.249
3000 warm white	686 (27")	72	9.1	853	85	833.76.161
4000 cool white					83	833.76.181
3000 warm white	762 (30")	84	10.5	956	85	833.71.245
4000 cool white					83	833.71.250
3000 warm white	838 (33")	90	11.4	1058	85	833.76.163
4000 cool white					83	833.76.183
3000 warm white	914 (36")	102	12.8	1160	85	833.71.246
4000 cool white					83	833.71.251
3000 warm white	991 (39")	108	13.7	1263	85	833.76.165
4000 cool white					83	833.76.185
3000 warm white	1067 (42")	120	15.0	1365	85	833.71.247
4000 cool white					83	833.71.252
3000 warm white	1143 (45")	126	16.0	1467	85	833.76.167
4000 cool white					83	833.76.187



Supplied With
100 mm (4") male mini driver cable
100 mm (4") female mini driver cable
Mounting brackets
Screws
Two-sided mounting tape

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

R36733 IP20

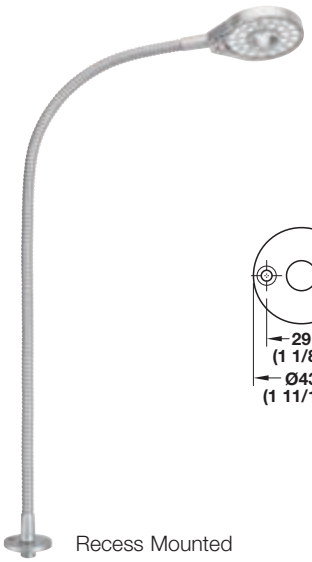
Driver	page 2.51
Components	page 2.80

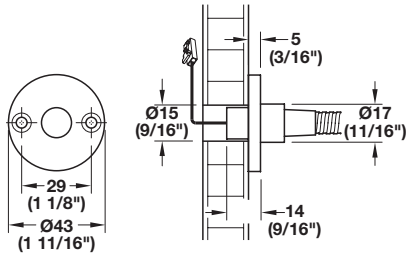
Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Flexible Light

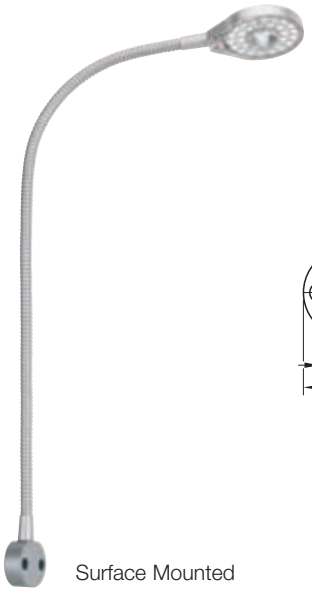
- With integrated touch dimmer on the head of the light

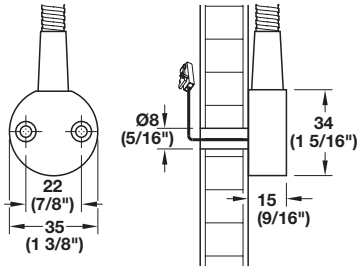




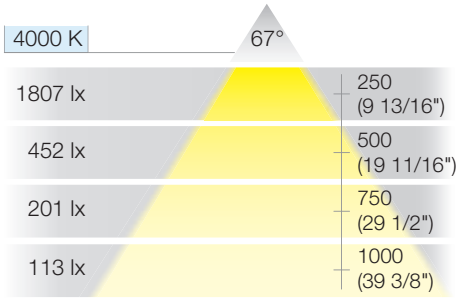
Recess Mounted

DIMMABLE BY FINGER TOUCH





Surface Mounted



Note Loox Lights and Drivers are “Suitable for use within Closet Storage Spaces”

CE cULus R36733 RoHS IP20

Driver page 2.51

Loox

24 V System

0 100%

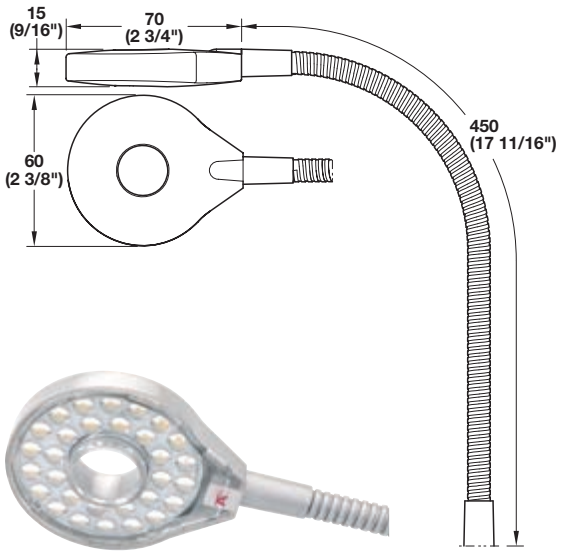
- Light color: 4000 K cool white
- Wattage: 2.75
- Number of LEDs: 30
- Lumen: 165
- Lumen per watt: 60
- CRI: 80
- Energy efficiency category: A
- Weighted energy consumption (kWh/1.000 h): 3.03

Ø x L: 60 x 520 mm (2 3/8” x 20 1/2”)

Material: Plastic; Finish: silver colored

Mounting	Item No.
Recess	833.77.000
Surface	833.77.001

Supplied With
2000 mm (78 3/4”) lead
Mounting accessories

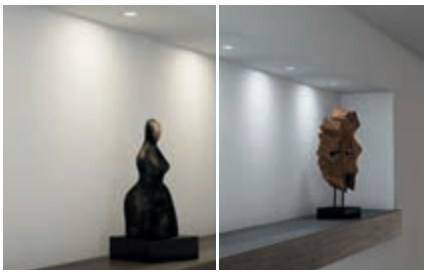


Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Recess/Surface Mounted Light, Round, IP44, Multi-White

- The smooth transition of the 3027 from cool white to warm white creates the ability to achieve various lighting moods
- Suitable for living areas, this light can be used in bathrooms with an IP44 degree of protection
- In combination with the multi-white remote radio control, a dimming function is available and different lighting scenarios can be stored
- For mounting in drilled hole, with clip fastener or for screw mounting



Warm Daylight

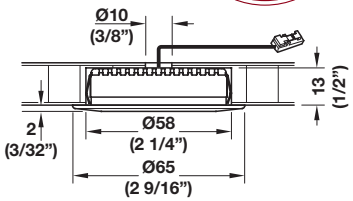
Loox

24 V System

0 100%

Water Tolerant

IP44



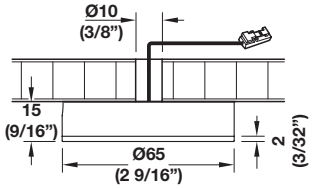
- Light color: 2700 K (warm white) up to 5000 K (cool white)
- Color temperature can be adjusted with the multi-white remote
- Maximum of 60 watts can be connected to the multi-white mixer
- Max. 10 multi-white mixers can be controlled with 1 remote control within a radius of 15 m (49')
- Degree of protection: IP44 as recess mounted light; IP20 with surface mount ring (surface mounted downlight)
- Wattage: 2.9
- Number of LEDs: 60
- Lumen: 205
- Lumen per watt: 71
- CRI: 90
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 3.19

Drill hole Ø: 58 mm (2 1/4")
Ø x H: 65 x 15 mm (2 9/16" x 9/16")

Material: Plastic

Finish	Item No.
nickel-plated matt	833.75.050
silver colored anodized	833.75.051

Supplied With
2000 mm (78 3/4") lead
Mounting accessories

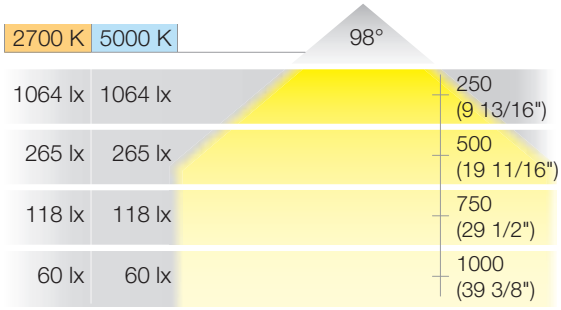


Surface Mounted Ring

Material: Steel

Finish	Item No.
nickel-plated matt	833.75.740
silver colored anodized	833.75.741

Note
With a surface mount ring the degree of protection is IP20.



Remote Control

- For multi-white mixer

Material: Plastic

Color	Item No.
black	833.77.786

Multi-White Mixer

- With 8-way distributor
- Max. 60 W
- Power consumption 0.6 W

Material: Plastic

Color	Item No.
white	833.77.787

Driver page 2.51

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE cULus FC R36733 RoHS IP20 IP44

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

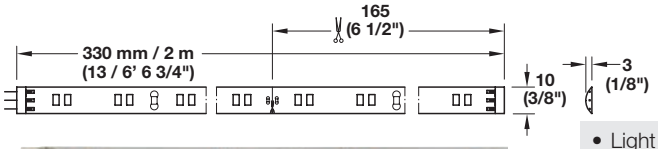
Multi-White Flexible Strip Light

- Can be shortened after every 12th LED, every 165 mm (6 1/2")
- Remnants cannot be reused
- Light color adjustable using multi-white remote from 2700 K to 5000 K
- Maximum 60 W can be connected to the multi-white mixer
- Max. 10 multi-white mixers can be controlled with 1 remote control within a radius of 15 m (49')

Loox

24 V System

0 100%



- Light color: 2700 K warm white to K 5000 cool white
- CRI: 83
- Energy efficiency category: A+

W x H: 10 x 3 mm (3/8" x 1/8")

Material: LED Board; Color: white

Length	Wattage	Number of LEDs	Lumen	Lumen per watt	Weighted energy consumption (kWh/1.000 h)	Item No.
330 (13")	1.8	24	136	76	1.98	833.77.013
2 m (78 3/4")	11	144	816	74	12.10	833.77.014

Supplied With
2000 mm (78 3/4") lead, Mounting instructions

Note
Dimmable using multi-white mixer

T-Connector

Wattage: 0.8
Number of LEDs: 12

Length	Item No.
167 (6 9/16")	833.77.773

Left Corner Connector

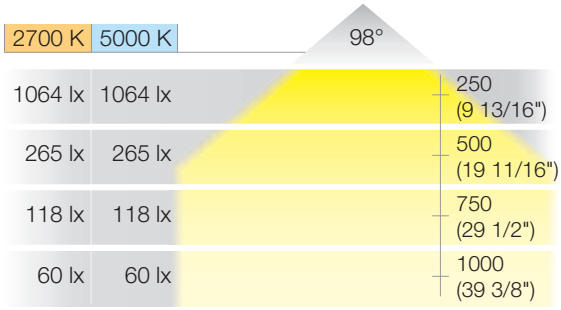
Wattage: 0.8
Number of LEDs: 12

Length	Item No.
158 (6 3/16")	833.77.774

Right Corner Connector

Wattage: 0.8
Number of LEDs: 12

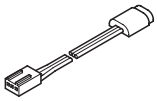
Length	Item No.
158 (6 3/16")	833.77.775



Interconnecting Lead

Material: Plastic; Color: white

Length	Item No.
50 (1 15/16")	833.77.793
500 (19 11/16")	833.77.794
1000 (39 3/8")	833.77.802
1500 (59 1/16")	833.77.795



Lead

Material: Plastic; Color: white

Length	Item No.
2 m (78 3/4")	833.77.797

Remote Control

- For multi-white mixer

Material: Plastic

Color	Item No.
black	833.77.786

Multi-White Mixer

- With 8-way distributer

Material: Plastic; Color: white

Length	Item No.
158 (6 3/16")	833.77.787

8-Way Distributor

Material: Plastic

Color	Item No.
white	833.77.721

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE UL us FC R36733 RoHS IP20

Driver page 2.51

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Constant Voltage 24 V Driver

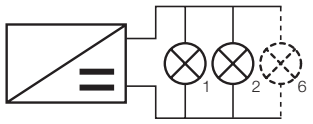
- Suitable for all of the world's power systems
- With an integrated port for a wide selection of switches

Loox

24 V System

1. Item No. 833.77.900 ⊗1 + ⊗2 +...+ ⊗6 < 15 W
2. Item No. 833.77.912 ⊗1 + ⊗2 +...+ ⊗6 < 20 W
3. Item No. 833.77.901 ⊗1 + ⊗2 +...+ ⊗6 < 30 W
4. Item No. 833.77.914 ⊗1 + ⊗2 +...+ ⊗6 < 75 W

max. 60 W per light output



Parallel connection

- Input voltage: 100-240 V; 50-60 Hz
- Output Voltage: 24 VDC
- Degree of protection: IP 20
- Number of slots: 6 for lights, 1 for switch, 1 for country specific primary lead

Material: Plastic; Color: black

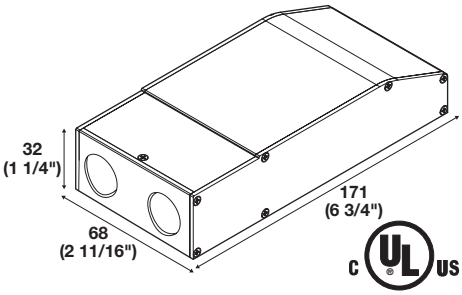
L x W x H	Rating	Wattage		Item No.
140 x 43 x 20 (5 1/2" x 1 11/16" x 13/16")	LPS	0.5 – 15	1	833.77.900
128 x 50.5 x 14 (5 1/16" x 2" x 9/16")	Class 2	0 – 20	2	833.77.912
195 x 43 x 28 (7 11/16" x 1 11/16" x 1 1/8")	LPS	2.4 – 30	3	833.77.901
208 x 56.5 x 30 (8 3/16" x 2 1/4" x 1 3/16")	Class 2	0 – 75	4	833.77.914

Supplied With
US primary lead

Power Cord and Adapter

Material: Plastic; Color: black

Description	Item No.
90° plug with 2 m (78 3/4") power cord	833.89.017
90° plug adapter	833.89.018



Dimmable E-series Driver

- Output Voltage: 24 VDC
- Input Voltage: 120 V 60 Hz
- Degree of protection: Nema 3R enclosure type
- Hardwired by certified electrician only
- Dimmable with any standard MLV/CL (Triac) Forward Phase Dimmer Switch
- Class 2 low voltage power supply
- 8 W min load

L x W x H: 172 x 69 x 32
(6 3/4" x 2 11/16" x 1 1/4")

Material: Aluminum; Color: black

Max. Load	Output Current	Item No.
20 W	0.83 A	833.02.970
40 W	1.66 A	833.02.969
60 W	2.5 A	833.02.968
75 W	3.13 A	833.02.967
96 W	4.0 A	833.02.966

Note
Hardwired by licensed electrician.
Class 2 low voltage power supply.

Country-Specific Primary Lead

Material: Plastic; Color: black

Item No.	**833.89.000**	**833.89.001**	**833.89.002**	**833.89.003**	**833.89.004**	**833.89.005**	**833.89.006**	**833.89.050**	**833.89.008**
Plug design									
Designation	UK	AU	EU	US	JP	CN	KR	US	US
Voltage (V)	250	250	250	120	100	250	250	120	120
Length	2000 (78 3/4")								3000 (118")

Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

RoHS SELV IP20

Switches	pages 2.74 - 2.76
Extension leads	page 2.78

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

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Overview

Loox

350 mA System

LED 4004/4005/4009
Down Lights
pages 2.53-2.55

LED 4014/4012
Spotlights
pages 2.56-2.57

LED 4007/4003
Recess Mounted Lights
pages 2.58-2.59

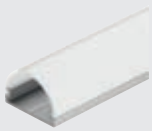
LED 4011
Post Light
page 2.60

350 mA Driver
Constant Voltage
page 2.61

LED 110 V
Surface Mounted Light
page 2.62

LED 9004/9005
Battery Operated Lights
pages 2.63-2.64

Profiles
For LED Flexible Strip Lights
pages 2.65-2.73



Switches and Accessories
pages 2.74-2.79

Leads and Distributors
12 V, 24 V, 350 mA
pages 2.80-2.81

Lutron
Dimmers and Drivers
pages 2.82-2.88

Accessories
Cable Channels and Leads
page 2.89

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

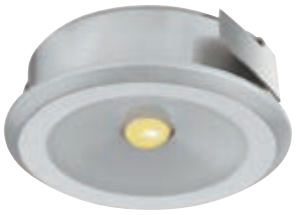
Recess Mounted Light, Round with lens

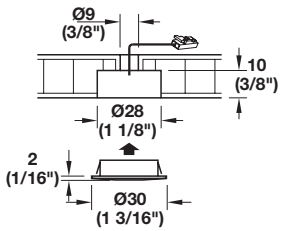
- Extremely small and slim design without lack of light intensity
- Produces a nice wide beam that is not too focused

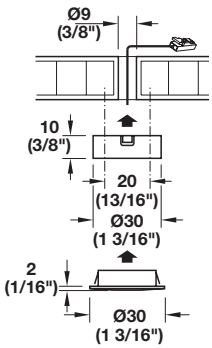
Loox

350 mA System

0 100%







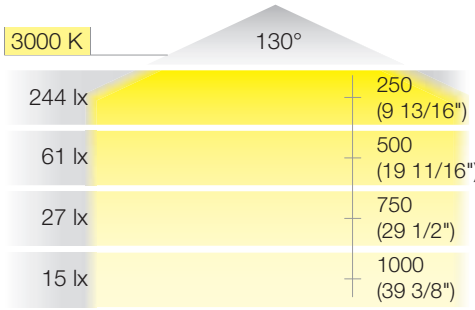
- Light color: 3000 K warm white
- Wattage: 1
- Number of LEDs: 1
- Lumen: 80
- Lumen per watt: 80
- CRI: 80
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.10

Drill hole: Ø28 mm (1 1/8")
Ø x H: 30 x 12 mm (1 3/16" x 1/2")

Material: Plastic

Color	Item No.
silver	833.78.080

Supplied With
2000 mm (78 3/4") lead
Surface mount ring



CE cULus R36733 RoHS IP20

Driver page 2.61

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

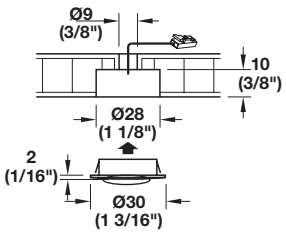
Recess/Surface Mounted Light, Round with lens

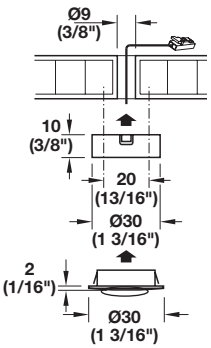
- Can be recess or surface mounted
- Small and flat design easily integrates into furniture designs
- The light spot decoratively illuminates objects while the integrated lens centers and intensifies the spot

Loox

350 mA System

0 100%





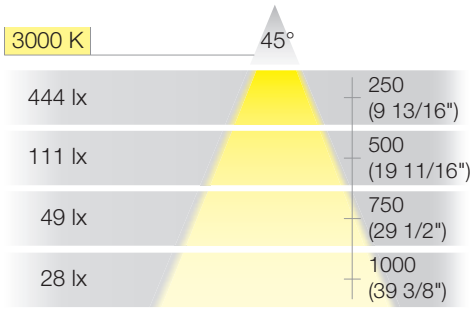
- Light Color: 3000 K warm white
- Wattage: 1
- Number of LEDs: 1
- Lumen: 63
- Lumen per watt: 63
- CRI: 80
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.10

Drill hole: Ø28 mm (1 1/8")
Ø x H: 30 x 12 mm (1 3/16" x 1/2")

Material: Plastic

Color	Item No.
silver colored anodized	833.78.100

Supplied With
2000 mm (78 3/4") lead
Surface mount ring



RoHS IP20

Driver page 2.61

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Recess/Surface Mounted Light

- Generates powerful, direct light
- Multi-functional for use in a variety of furnishings
- Three different attachment options are available
- Recommended as a replacement for Halogen puck lights

Loox

350 mA System

0 100%

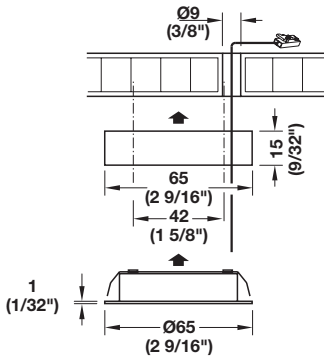
- Dimmable
- Wattage: 3.85
- Number of LEDs: 3
- CRI: 82
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 3.30

Drill hole: Ø58 mm (2 1/4")
Ø x H: 65 x 15 mm (2 9/16" x 5/8")

Material: Aluminum with clear glass

Finish	Light Color (K)	Lumen	Lumen per watt	Item No.
nickel matt	6000 daylight	176	46	833.78.151
nickel matt	3000 warm white	160	42	833.78.140
black	6000 daylight	176	46	833.78.154
black	3000 warm white	160	42	833.78.142

Supplied With
2000 mm (78 3/4") lead

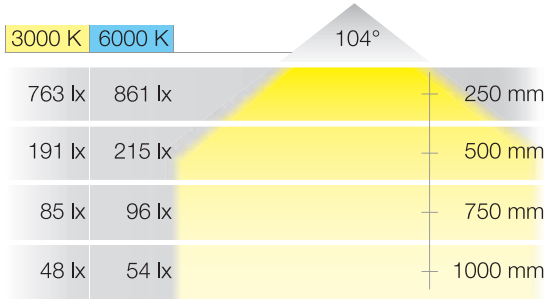


Surface Mounted Ring

Ø x H: 65 x 16 mm (2 9/16" x 5/8")

Material: Steel

Finish	Item No.
nickel matt	833.80.710
black	833.80.712



CE cULus R36733 RoHS IP20

Triangular Surface Mounted Ring

L x W x H: 135 x 118 x 40 mm (5 5/16" x 4 5/8" x 1 5/8")

Material: Steel

Finish	Item No.
nickel matt	833.80.711
black	833.80.713

Driver page 2.61

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

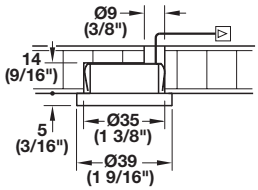
Spotlight

- Recess mounted
- Small design with high luminosity

Loox

350 mA System

0 100%



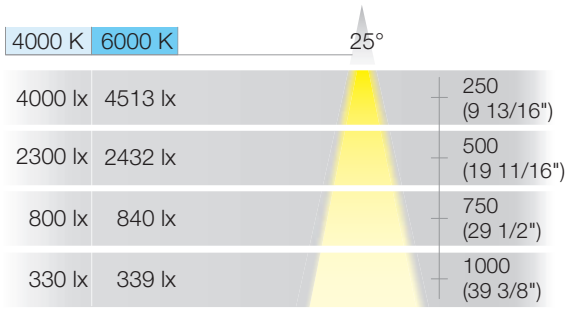
- Wattage: 1
- Number of LEDs: 1
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.10

Drill hole: Ø35 mm (1 3/8")
Ø x L: 39 x 20 mm (1 9/16" x 13/16")

Material: Aluminum; Color: silver colored anodized, brushed

Light Color (K)	Lumen	Lumen per watt	CRI	Item No.
4000 cool white	89	89	85	833.78.060
6000 daylight	91	91	83	833.78.061

Supplied With
2000 mm (78 3/4") lead
Mounting accessories



RoHS IP20

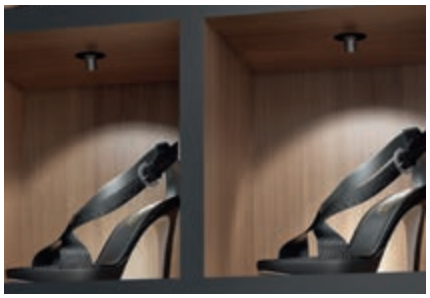
Driver page 2.61

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Spotlight

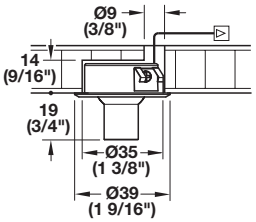
- Recess mounted
- Swiveling light head
- Spotlight with good lumen values
- Perfect for presentation purposes



Loox

350 mA System

0 100%



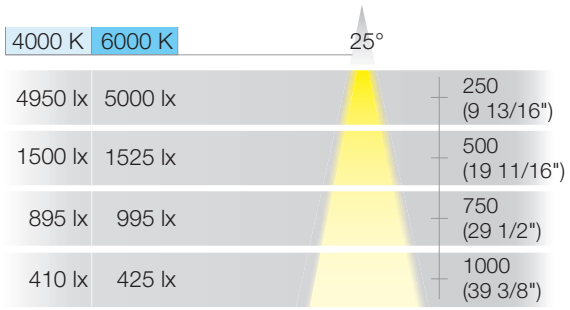
- Wattage: 1
- Number of LEDs: 1
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.10

Drill hole: Ø35 mm (1 3/8")
Ø x L: 39 x 31 mm (1 9/16" x 1 1/4")

Material: Aluminum

Light Color (K)	Color	Lumen	Lumen per watt	CRI	Item No.
4000 cool white	silver colored anodized	79	79	85	833.78.090
4000 cool white	black	79	79	85	833.78.091
6000 daylight	silver colored anodized	90	90	82	833.78.092
6000 daylight	black	90	90	82	833.78.093

Supplied With
2000 mm (78 3/4") lead



RoHS IP20

Driver page 2.61

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

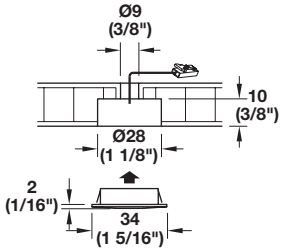
Recess Mounted Light, Square, Rounded

- Small and versatile with flexible alignment and a striking appearance
- The light spot emphasizes objects in furniture

Loox

350 mA System

0 100%



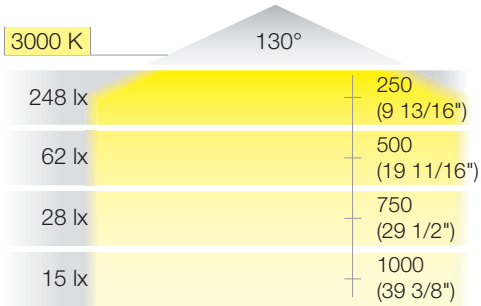
- Light color: 3000 K warm white
- Wattage: 1
- Number of LEDs: 1
- Lumen: 73
- Lumen per Watt: 73
- CRI: 83
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.10

Drill hole: Ø28 mm (1 1/8")
L x W x H: 34 x 34 x 12 mm (1 5/16" x 1 5/16" x 1/2")

Material: Plastic

Color	Item No.
silver colored anodized	833.78.020

Supplied With
2000 mm (78 3/4") lead each
Mounting accessories



CE cULus R36733 RoHS IP20

Driver page 2.61

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

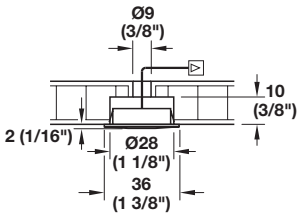
Recess Mounted Light, Square

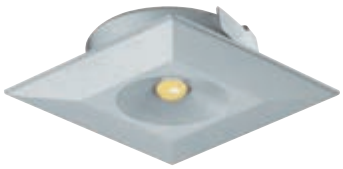
- Small and flat design easily integrates into furniture designs
- The light spot decoratively illuminates objects and works as an effective sidelight

Loox

350 mA System

0 100%





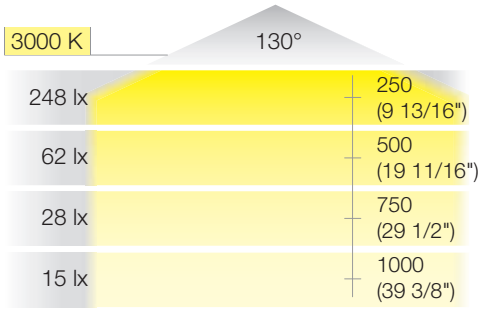
- Light color: 3000 K warm white
- Wattage: 1
- Number of LEDs: 1
- Lumen: 68
- Lumen per Watt: 68
- CRI: 85
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.10

Drill hole: Ø28 mm (1 1/8")
L x W x H: 36 x 36 x 12 mm (1 7/16" x 1 7/16" x 1/2")

Material: Plastic

Color	Item No.
silver colored anodized	833.78.040

Supplied With
2000 mm (78 3/4") lead each
Mounting accessories



CE cULus R36733 RoHS IP20

Driver page 2.61

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

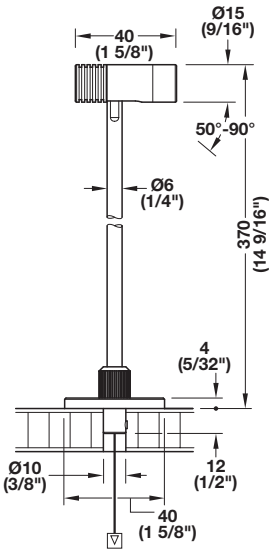
Post Light

- Dimmable
- Recess mounted
- Swiveling light head
- Height adjustable – bar can be lowered into cabinet
- Perfect for presentation purposes

Loox

350 mA System

0 100%



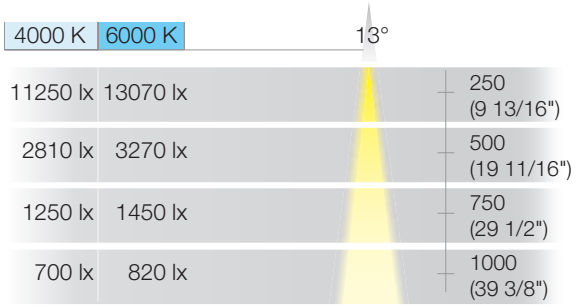
- Wattage: 1
- Number of LEDs: 1
- CRI: 80
- Energy efficiency category: A+
- Weighted energy consumption (kWh/1.000 h): 1.10

Drill hole: Ø10 mm (3/8")
Ø x L: 6 x 370 mm (1/4" x 14 9/16")

Material: Aluminum and Steel; Color: black

Light Color (K)	Lumen	Lumen per watt	Item No.
4000 cool white	69	69	833.80.000
6000 daylight	97	97	833.80.001

Supplied With
2000 mm (78 3/4") lead
Mounting accessories



RoHS IP20

Driver page 2.61

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Constant Voltage 350 mA Driver

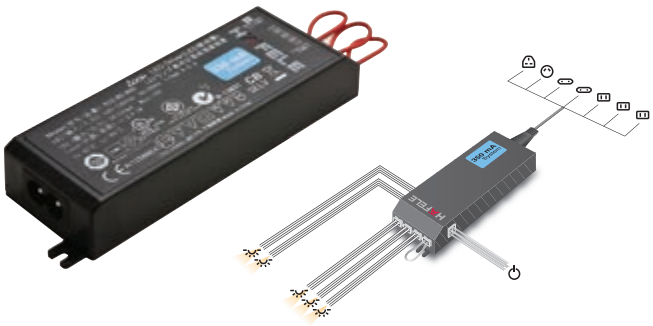
- Suitable for all of the world's power systems
- With an integrated port for a wide selection of switches

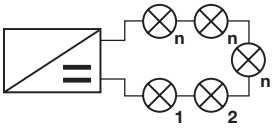
Loox

350 mA System

0 100%

2





Item No.: 833.80.900

$\otimes_1 + \otimes_2 + \ldots + \otimes_n$ = 1–4 W

Item No.: 833.80.901

$\otimes_1 + \otimes_2 + \ldots + \otimes_n$ = 5–10 W

Input voltage: 100–240 V; 50–60 Hz
Output current: 350 mA
Degree of protection: IP 20

Material: Plastic; Color: black

L x W x H	Wattage	No. of Slots	Item No.
140 x 43 x 20 (5 1/2" x 1 11/16" x 13/16")	1 – 4	4	833.80.900
195 x 43 x 28 (7 11/16" x 1 11/16" x 1 1/8")	5 – 10	10	833.80.901

Supplied With
US plug

Replacement Jumper Cable

Material: Plastic

Color	Item No.
red	833.80.720

Power Cord and Adapter

Material: Plastic; Color: black

Description	Item No.
90° plug with 2 m (78 3/4") power cord	833.89.017
90° plug adapter	833.89.018

Country-Specific Primary Lead

Material: Plastic; Color: black

Item No.	833.89.000	833.89.001	833.89.002	833.89.003	833.89.004	833.89.005	833.89.006	833.89.050	833.89.008
Plug design									
Designation	UK	AU	EU	US	JP	CN	KR	US	US
Voltage (V)	250	250	250	120	100	250	250	120	120
Length	2000 (78 3/4")								3000 (118")

CE cULus RoHS IP20

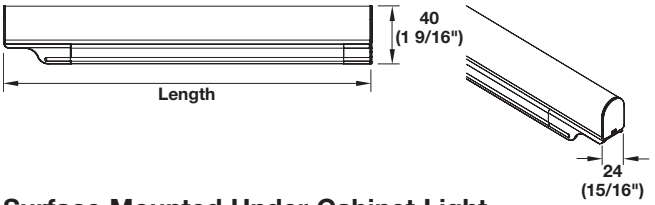
Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

HÄFELE

110 V LED

Luminoso



Surface Mounted Under Cabinet Light

- Light color: 4000 K cool white
- Available in six lengths which can easily connect to one another
- High efficiency with 87 Lm/W
- Maximum interconnection of 12 fixtures

Material: Plastic; Color: white

Length	Wattage	Number of LEDs	Item No.
313 (12 5/16")	4	26	833.13.170
541 (21 19/64")	7	45	833.13.171
573 (22 9/16")	9	51	833.13.172
873 (34 3/8")	13	76	833.13.173
1173 (46 3/16")	18	100	833.13.174
1473 (58")	22	126	833.13.175

Supplied With
Mounting clips

Note
All power cords, connector cables and direct connectors sold separately.

Power Cord with US Plug

Length: 2000 mm (78 3/4")

Material: Plastic; Color: white

Version	Item No.
With toggle switch	833.13.705
Without toggle switch	833.13.707

Daisy Chain Connector Cable

Material: Plastic; Color: white

Length	Item No.
300 (11 13/16")	833.13.701
500 (19 11/16")	833.13.702
1000 (39 3/8")	833.13.703

Direct Connector

- Connects fixtures directly

Material: Plastic

Color	Item No.
white	833.13.706

Screw Mounting Kit

Material: Steel

Finish	Item No.
white	833.13.708

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

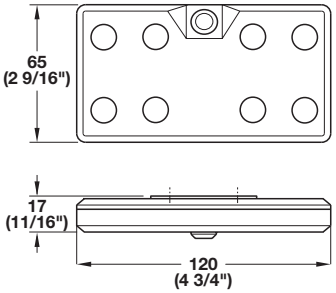
HÄFELE

Battery Operated Light with Sensor

- Rectangular, rechargeable, with motion detector – Distance 2 m (78 3/4") / 120°
- Great for use inside cabinets or closets
- No power cord allows for ease in positioning
- With integrated motion detector (120° detection range up to 2 m (78 3/4") and 30 second delay time)
- Energy saver cuts off light after 30 seconds of no motion
- Lithium battery for long charge life

Loox

Battery



- Light color: 6500 K daylight
- Wattage: 0.8
- Lumen: 55
- Lumen per watt: 69
- Number of LEDs: 8
- CRI: 80
- Operating time: 10 hours
- Charging time: 3 to 4 hours

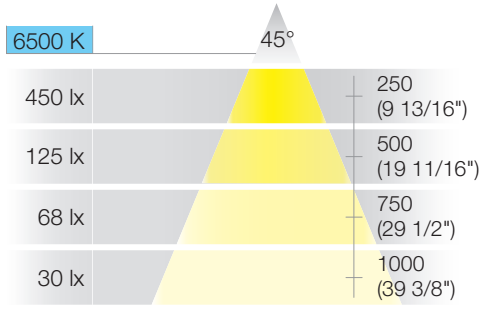
L x W x H: 120 x 65 x 17 mm (4 3/4" x 2 9/16" x 11/16")

Material: Plastic

Color	Item No.
silver	833.87.013

Supplied With
0.8 m (31 1/2") mini-USB charging cable
Mounting plate for screw mounting

Note
The lighting device can be recharged using the included mini-USB cable.



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

CE RoHS IP20

Dimensions in mm
Inches are approximate

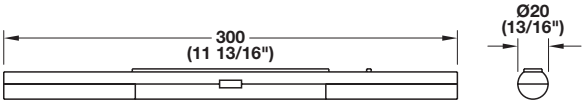
Dimensional data not binding. We reserve the right to alter specifications without notice.

Battery Operated Light with Sensor

- Elongated, rechargeable, with automatic shut-off
- Great for use inside cabinets or closets
- No power cord allows for ease in positioning
- Integrated IR sensor (can be door sensor switch or on/off sensor switch)
- Lithium battery for long charge life
- With automatic shut-off
- Selectable switching function:
  1. Door sensor switch (factory setting):
     Door/drawer open, light on – door closed, light off.
     Energy-saving mode after 30 seconds:
     LED flashes 2 to 3 times and then turns off.
  2. Sensor switch:
     Active on/off switching

Loox

Battery



- Light color: 6500 K daylight
- Wattage: 0.6
- Lumen: 51
- Lumen per watt: 85
- Number of LEDs: 6
- CRI: 82
- Operating time: 10 hours
- Charging time: 4 hours

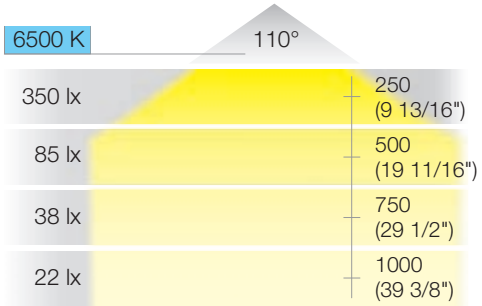
Ø x L: 20 x 300 mm (13/16" x 11 13/16")

Material: Plastic

Color	Item No.
silver color lacquered	833.87.020

Supplied With
Light with mounting plate
0.8 m micro-USB recharger cable

Note
The lighting device can be recharged using the included micro-USB cable.



Note Loox Lights and Drivers are "Suitable for use within Closet Storage Spaces"

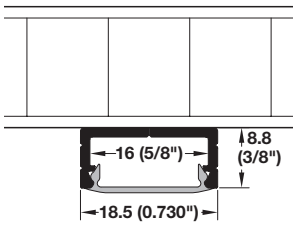
CE RoHS IP20

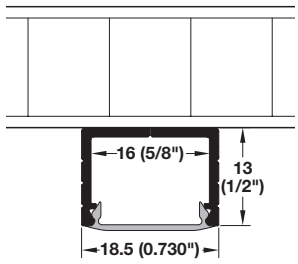
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Surface Mounted

- Milk cover: The material contains pigment.
  - It creates a “diffused glow” surface-directed light with uniform intensity
  - The light appears “soft”
- Frosted cover: The surface is frosted
  - The light appears “velvet-white” and creates a sophisticated, high-quality impression





Profile

L x W x H: 2500 x 18.5 x 8.8 mm (98 3/8’ x 3/4” x 3/8”)

Material: Aluminum; Finish: silver colored anodized

Cover	Item No.
milk	833.72.860
frosted	833.72.863

Note
Shallow profiles are not suitable for operation with LED 3028. LED 3015/3028 are not rated for continuous duty (< 8 hrs.)

Profile

L x W x H: 2500 x 18.5 x 13 mm (98 3/8” x 3/4” x 1/2”)

Material: Aluminum; Finish: silver colored anodized

Cover	Item No.
milk	833.72.861
frosted	833.72.862

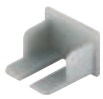
Note
LED 3015/3028 are not rated for continuous duty (< 8 hrs.)

End Caps

Material: Plastic

Color	Item No.
silver colored anodized	833.72.852

Supplied With
2 pcs.



End Caps

Material: Plastic

Color	Item No.
silver colored anodized	833.72.853

Supplied With
2 pcs.

Mounting Brackets 40°

Material: Stainless Steel

Color	Item No.
silver colored	833.74.833

Supplied With
2 pcs.
Screws

Mounting Brackets

Material: Stainless Steel

Color	Item No.
silver colored	833.74.832

Supplied With
2 pcs.
Screws

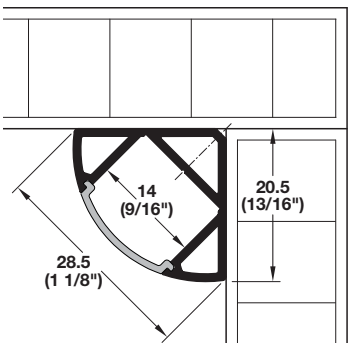
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Corner Mounted

Loox



Profile

L x W x H: 2500 x 28 x 20.5 mm (8' x 1 1/8" x 13/16")

Material: Aluminum; Cover: milk

Color	Item No.
silver colored anodized	833.74.809

Note
LED 3015/3028 are not rated for continuous duty (< 8 hrs.).
Not suitable for operation with LED 3028.

End Cap

Material: Plastic

Color	Item No.
silver colored anodized	833.74.822

Supplied With
2 pcs.

Bracket

Material: Plastic

Color	Item No.
silver colored anodized	833.74.825

Supplied With
2 pcs.

Mounting Plate

Material: Stainless Steel

Color	Item No.
silver colored anodized	833.74.826

Supplied With
2 pcs.

Dimensional data not binding. We reserve the right to alter specifications without notice.

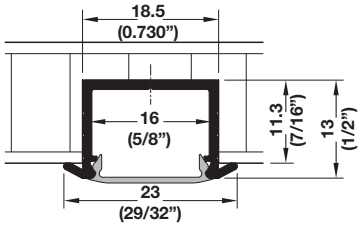
Dimensions in mm
Inches are approximate

HÄFELE

Recess Mounted

Loox

2



Profile

L x W x H: 2500 x 18.5 x 13 mm (98 3/8" x 3/4" x 1/2")

Material: Aluminum; Finish: silver colored anodized

Cover	Item No.
milk	833.72.866
frosted	833.72.867

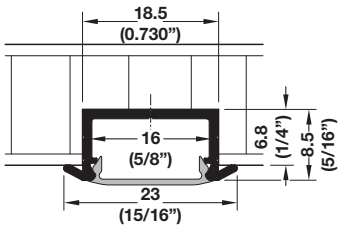
Note
LED 3015/3028 are not rated for continuous duty (< 8 hrs.).

End Cap

Material: Plastic

Color	Item No.
silver colored anodized	833.72.854

Supplied With
2 pcs.



Profile

L x W x H: 2500 x 18.5 x 8.5 mm (98 3/8" x 3/4" x 5/16")

Material: Aluminum; Finish: silver colored anodized

Cover	Item No.
milk	833.72.864
frosted	833.72.865

Note
Shallow profiles are not suitable for operation with LED 3028.
LED 3015 are not rated for continuous duty (< 8 hrs.).

End Cap

Material: Plastic

Color	Item No.
silver colored anodized	833.72.855

Supplied With
2 pcs.

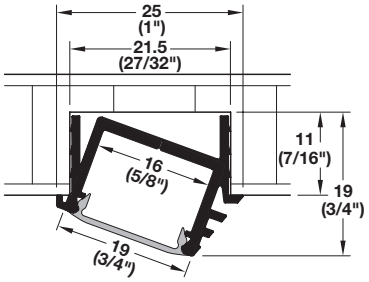
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Angled and Recess Mounted

Loox



Profile, angled mounted

L x W x H: 2500 x 21.5 x 19 mm (8' x 27/32" x 3/4")

Material: Aluminum; Finish: silver colored anodized

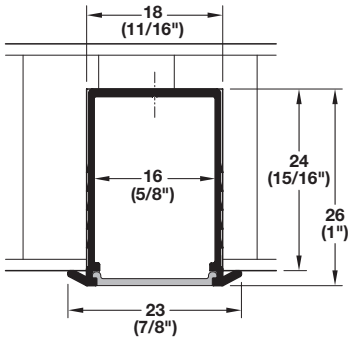
Cover	Item No.
milk	833.72.868
frosted	833.72.869

Note
LED 3015/3028 are not rated for continuous duty (< 8 hrs.).

End Cap

Material: Plastic

Color	Item No.
silver colored anodized	833.72.857



Profile, recess mounted

L x W x H: 2500 x 18 x 26 mm (98 3/8" x 11/16" x 1")

Material: Aluminum, silver colored anodized

Cover	Item No.
milk	833.74.819
frosted	833.74.820

Note
LED 3015/3028 are not rated for continuous duty (< 8 hrs.).

End Cap with cable outlet

Material: Plastic

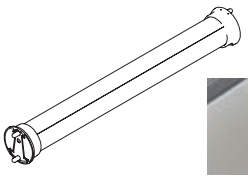
Color	Item No.
silver colored	833.74.828

Supplied With
2 pcs.

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

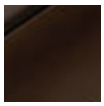
Aluminum Profiles



matt aluminum

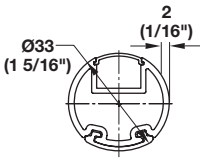
polished chrome

matt nickel



oil-rubbed bronze

Loox

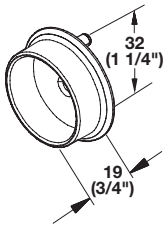


Elite Wardrobe Tube

Material: Aluminum, anodized; Insert: Plastic

Finish	Insert	Ø x L: 33 x 1219 (1 5/16" x 4')	Ø x L: 33 x 2438 (1 5/16" x 8')
polished chrome	clear	830.28.721	830.28.720
matt aluminum	clear	830.28.701	830.28.700
matt nickel	clear	830.28.711	830.28.710
oil-rubbed bronze	black	830.28.731	830.28.730

Supplied With
Semi round, milk lens



Flat Head #8

Wardrobe Tube Support

- Unique two-part design allows the support to fully surround the tube ends
- Connect the wedge shaped brackets into line bore holes and side supports onto the end of the tube
- Side supports connect to the wedge shaped brackets
- With two pins for 5 mm holes
- 32 mm (1 1/4") spacing with an additional screw hole for side panel mounting

Material: Zinc-plated

Finish	Item No.
polished chrome	803.39.211
matt aluminum	803.39.411
matt nickel	803.39.611
oil-rubbed bronze	803.39.111

Semi Round Lens

Material: Plastic, milk

	Item No.
	833.74.807

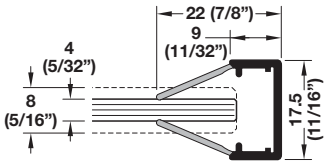
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Glass Edge and Surface Mounted

Note
Only for light strips with max. 7.5 W per meter (2.28 W per foot)

Loox



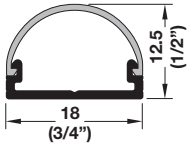
Glass Edge Profile

- For glass thickness 4-8 mm (5/32" - 5/16")
- Without load bearing function
- Only for 12V LEDs

L x W x H: 2000 x 28 x 22 mm (78 3/4" x 1 1/8" x 7/8")

Material: Plastic; Cover: milk

Color	Item No.
silver colored	833.74.733



Profile, surface mounted

L x W x H: 2500 x 18 x 12.5 mm (98 3/8" x 3/4" x 1/2")

Material: Aluminum; Cover: milk

Color	Item No.
silver colored anodized	833.74.835

Note
Not suitable for LED 3028.
LED 3015/3028 are not rated for continuous duty (< 8 hrs).

Mounting Bracket

Material: Stainless Steel

Color	Item No.
silver colored	833.74.893

End Cap Set

Material: Plastic ABS

Color	Item No.
silver colored	833.74.877

Supplied With
5 sets
Mounting screws

Door Sensor 12 V

Material: Plastic

Color	Light	Item No.
silver colored	2029/2037	833.89.110

Motion Detector 12 V

- Delay time: 30 sec.
- Detection range: 0-3000 mm

Material: Plastic

Color	Light	Item No.
silver colored	2029/2037	833.89.088

Door Sensor 24 V

Material: Plastic

Color	Light	Item No.
silver colored	3015	833.89.111

Motion Detector 24 V

- Delay time: 30 sec.
- Detection range: 0-3000 mm

Material: Plastic

Color	Light	Item No.
silver colored	3015	833.89.089

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

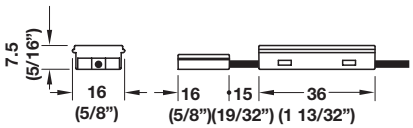
HÄFELE

Loox

2

For Aluminum Profiles

- For Loox 12 and 24 V LED strip lights with 10 mm (3/8") width in Loox aluminum profiles with 16 mm (5/8") internal dimension
- Soft on/off with dimming function
- Switch slides into the aluminum profile



Dimmer 12 V / 24 V

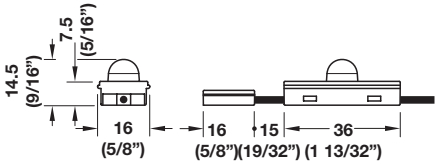
L x W x H: 36 x 16 x 7.5 mm (1 3/32" x 5/8" x 5/16")

Material: Plastic; Finish: silver colored anodized

System / Light	Item No.
12 V (2029 / 2037)	833.89.113
24 V (3015)	833.89.115

Supplied With
2000 mm (78 3/4") lead

- For Loox 12 and 24 V LED strip lights with 10 mm (3/8") width in Loox aluminum profiles with 16 mm (5/8") internal dimension
- Automatic on/off
- Detection range: 0-3000 mm
- Delay time: 30 sec.
- Switch slides into the aluminum profile



Motion Detector 12 V / 24 V

L x W x H: 36 x 16 x 14.5 mm (1 3/32" x 5/8" x 9/16")

Material: Plastic; Finish: silver colored anodized

System / Light	Item No.
12 V (2029 / 2037)	833.89.112
24 V (3015)	833.89.114

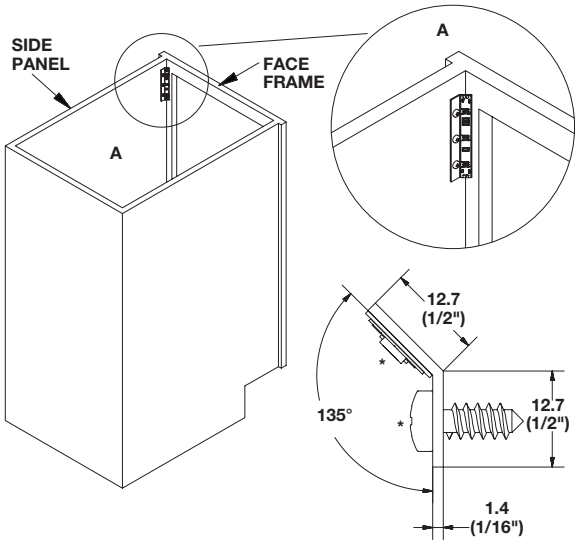
Supplied With
2000 mm (78 3/4") lead

Dimensional data not binding. We reserve the right to alter specifications without notice.

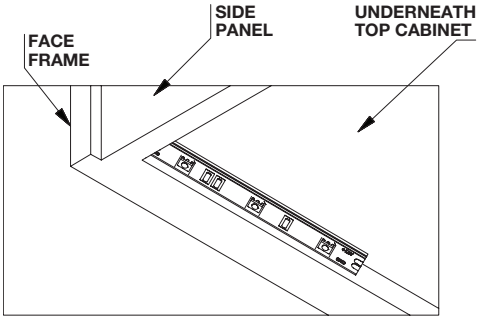
Dimensions in mm
Inches are approximate

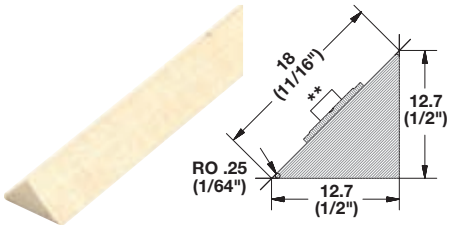
LED 2013 / 2015 / 2029 / 2037

Loox

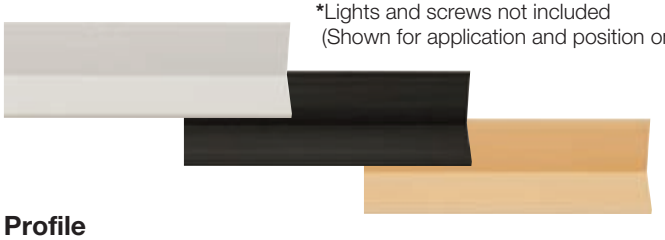


*Lights and screws not included
(Shown for application and position only)





**Lights not included
(Shown for application and position only)

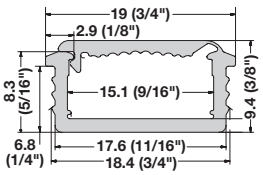


Profile

• 135°
Length: 2.5 m (8')

Material: Polypropylene

Color	Item No.
white	833.00.800
black	833.00.810
beige	833.00.820



Profile, recess mounted

L X W X H: 2.5 m x 20 mm x 10 mm (8' x 13/16" x 3/8")

Material: Polypropylene

Finish	Item No.
aluminum color, frosted	833.00.710

Note
The profile depicted is only suitable for 12 V LED light strips.

End Cap

Material: Plastic

Color	Item No.
silver colored	833.72.768

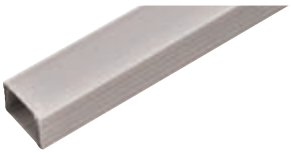
Supplied With
2 pcs.

Corner Profile

• Surface mount
Length: 2.5 m (8')

Material: Solid Aspen Wood

Finish	Item No.
natural	833.02.840



Co-extruded Profile, surface mounted

L X W X H: 2.5 m x 19 mm x 15 mm (8' x 3/4" x 9/16")

Material: Polypropylene

Finish	Item No.
aluminum color, milk	833.01.700

Note
The profile depicted is only suitable for 12 V LED light strips.

End Cap

Material: Plastic

Color	Item No.
silver colored	833.74.821

Supplied With
2 pcs.

Mounting Tape

W x L: 12 x 78 mm (1/2" x 3 1/16")

Material: Foam

Color	Item No.
white	003.58.270

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

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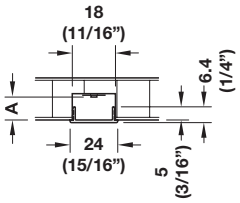
LED 2013 / 2015 / 2029 / 2037

Loox

2



Lens Cover, recess mounted

- Only suitable for 12 V LED strip lights

Length: 2500 mm (98 3/8")

Material: Plastic

Cover	Item No.
milk	833.00.733

Note
LED 3015 / 3028 must be installed in an aluminum profile for proper heat dissipation.

Size A min., so that LED points are not visible

Diffuser	LED	
	2029	2037
milk	13 (1/2")	

Frosted

Milk

Replacement Lenses

- Simple replacement of existing diffusers in order to switch from frosted to milk

Length: 2500 mm (98 3/8")

Material: Plastic

Cover	Item No.
frosted	833.74.780
milk	833.74.781

Note
Cannot be used for the following aluminum profiles: 833.74.809, 833.74.814

Semi-round Lens

Length: 2500 mm (98 3/8")

Material: Plastic

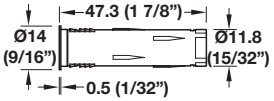
Cover	Item No.
milk	833.74.807

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Modular Switches

TOUCH-FREE



Sensor Switch

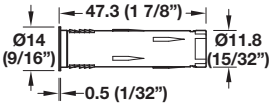
- Touch free on/off switching
- Power consumption (W): 1
- Contact rating (W): 0–75
- Sensor range: 0 – 80 (0" – 3 1/8")

Drill hole Ø x Length: 12 x 47.3 mm (1/2" x 1 7/8")

Material: Plastic

Color	Item No.
silver colored	833.89.095

Note
Order lead for modular switch to Loox driver separately.



Door Sensor Switch

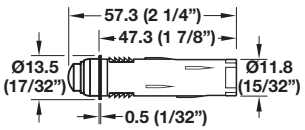
- Power consumption (W): 1
- Contact rating (W): 0–75
- Sensor range: 3 – 80 (1/8" – 3 1/8")

Drill hole Ø x Length: 12 x 47.3 mm (1/2" x 1 7/8")

Material: Plastic

Color	Item No.
silver colored	833.89.094

Note
Use motion detector for sliding doors.
Order lead for modular switch to Loox driver separately.



Motion Detector

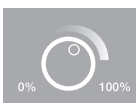
- Automatic on/off switching
- Power consumption (W): 1
- Contact rating (W): 0–75
- Sensor range: 0 – 3000 (0" – 118 1/8"")
- Delay time (seconds): approx. 30

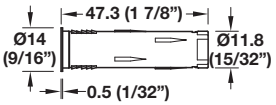
Drill hole Ø x Length: 12 x 57.3 mm (1/2" x 2 1/4")

Material: Plastic

Color	Item No.
silver colored	833.89.093

Note
Order lead for modular switch to Loox driver separately.





Dimmer

- Power consumption (W): 1
- Contact rating (W): 0.3–75
- Sensor range: 0 – 80 (0" – 3 1/8")

Drill hole Ø x Length: 12 x 47.3 mm (1/2" x 1 7/8")

Material: Plastic

Color	Item No.
silver colored	833.89.096

Note
Cannot be used in combination with multi switch box.
Dimming value is stored without the need for power supply (memory function).
Order lead for modular switch to Loox driver separately.

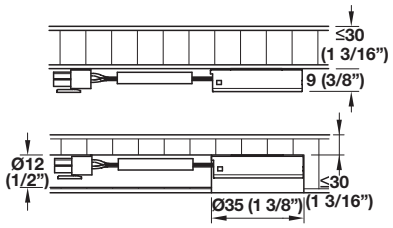
Lead page 2.75

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Modular Switches

Loox



Capacitive Switch/Dimmer

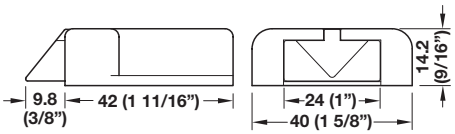
- Power consumption (W): 1
- This completely invisible operating solution opens up new possibilities in continuously adjustable light control
- Works by touch
- Concealed installation in wood, glass or stone at a maximum depth of 30 mm (1 3/16")
- For screw recess mounting (drill hole Ø 35 mm (1 3/8")

Ø x Height: 35 x 9 mm (1 3/8" x 3/8")

Material: Plastic

Color	Item No.
silver	833.89.087

Note
Not suitable for metal materials.
Please order lead for modular switch to Loox driver separately.



Universal Door Contact Switch

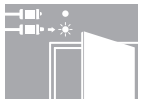
- The universal door contact switch is suitable for hinged or single-panel sliding doors

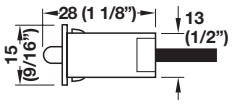
L x W x H : 51.8 x 40 x 14.2 mm (2 1/16" x 1 5/8" x 9/16")

Material: Plastic

Color	Item No.
black	833.89.065

Note
Please order lead for modular switch to Loox driver separately.





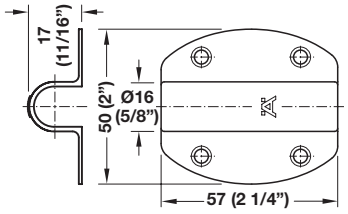
Door Contact Switch

Drill hole Ø x Length: 13 x 28 mm (1/2" x 1 1/8")

Material: Plastic

Color	Item No.
black	833.89.045

Supplied With
2 m (78 3/4") lead



Housing for door contact switch

Ø: 16 mm (5/8")
L x W x H: 16 x 57 x 20 mm (5/8" x 2 1/4" x 13/16")

Material: Plastic

Color	Item No.
black	833.89.048

Supplied With
Ø13 mm (1/2") switch housing

Lead for modular switches

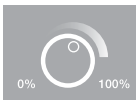
Material: Plastic; Color: black

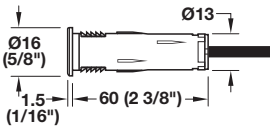
Length	Item No.
500 (19 5/8")	833.89.054
1000 (39 3/8")	833.89.055
2000 (78 3/4")	833.89.056

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Switches

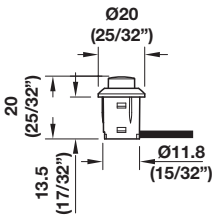


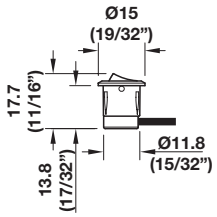


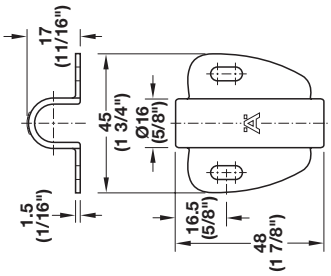
Housing for switch

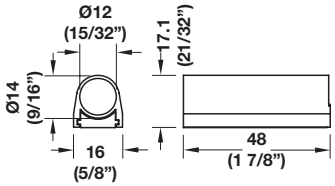
Material: Plastic

Color	Item No.
silver colored	833.89.049









Housing for switch, face frame

- Surface mounted
- For switch Ø12 mm (1/2")
W x D x H: 19 x 19 x 25.4 mm (3/4" x 3/4" x 1")

Material: Plastic

Color	Item No.
gray	830.38.423
black	830.38.424

Loox

Touch Dimmer

- Contact rating (W): 0.3 – 30
- Sensor range: 0 – 80 (0" – 3 1/8")

Material: Plastic

Color	Item No.
silver colored	833.89.043

Supplied With
2000 mm (78 3/4") lead, blue LED indicator

Note
Cannot be used in combination with multi switch boxes.

Push Switch

Material: Plastic

Color	Item No.
silver colored	833.89.107
black	833.89.108

Supplied With
2000 mm (78 3/4") lead

Rocker Switch

Material: Plastic

Color	Item No.
black	833.89.106

Supplied With
2000 mm (78 3/4") lead

Housing for switch, surface mounted

- For switch Ø12 mm (1/2")

Material: Plastic

Color	Item No.
silver	833.89.090

Note
Suitable for 32 mm (1 1/4") series drilled holes.

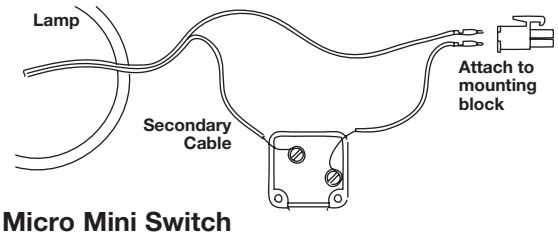
Housing for switch, surface mounted

- For switch Ø12 mm (1/2")

Material: Plastic

Color	Item No.
silver	833.89.092

Note
Suitable for 32 mm (1 1/4") series drilled holes.



Example

Micro Mini Switch

Material: Plastic

Color	Item No.
black	823.28.381

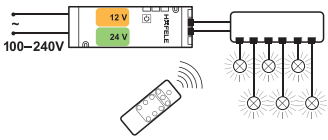
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Remotes

Loox



Premium 6-channel Remote Receiver

- White LED lights can be remote controlled with this system
- Consists of a remote receiver and a 6-channel remote control
- Three lighting scenes can be stored
- Remote switches can be added that are compatible with both the 12 V and the 24 V system
- Max. 10 remote receivers can be combined
- Number of slots: 6 slots for consumers, power supply from driver via 2 leads
- Light state and scene stored in memory and recalled upon start up

Material: Plastic; Color: black

System	Wattage	Max. Wattage per Slot	Item No.
12 V	60	30	833.73.741
24 V	120	60	833.77.785

Note
Not suitable for multi-white or RGB lights.

Premium 6-channel Remote

- 12 V and 24 systems
- For controlling Loox 6-channel remote receivers for white LEDs
- Soft on/off with dimming function for 6 channels
- 3 lighting scenes can be stored
- Several remote receivers can be controlled within a radius of 15 m (49')

Material: Plastic

Color	Item No.
black	833.89.121

Remote Switch 12 V/24 V

- Recess mounted
- For controlling all channels or one channel of Loox remote receiver for white LEDs
- Soft on/off
- Max. 10 remote receivers can be controlled within a radius of 15 m (49')

Drill hole Ø x Height: 40 x 14.4 mm (1 5/8" x 9/16")

Material: Plastic

Color	Item No.
silver colored	833.89.122

Housing, round, for remote switch

- Surface mounted
- Screw mounted

Material: Plastic

Color	Item No.
silver colored	833.89.123

Coin Battery, Lithium-ion, CR2032

	Item No.
	002.99.032

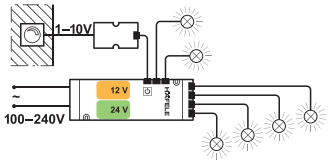
FC

Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Switch Accessories

Loox



Dimmer Interface 0-10V, Modular for 12 V and 24 V System

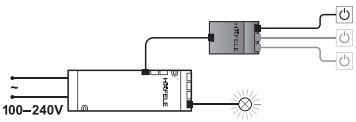
- With the dimmer interface you can conveniently also dim Loox lights in cabinetry together using a wall switch
- The modular design makes installation easier
- Direct connection to a dimmer with a 0–10 V control output and connection via a lead for modular switches to the switch input of a Loox driver 12 V or 24 V

L x W x H: 60.4 x 34.2 x 13.5 mm (2 3/8” x 1 5/16” x 9/16”)

Material: Plastic

Color	Item No.
black	833.89.086

Note
Please order lead for modular switch to Loox driver separately.



Multi Switch Box

- 1 LED driver operated by up to 3 switches
- Allows the LED driver to be switched on and off from different points
- Max. 75 W per multi switch box
- Standard function = if any switch is on, lights remain on
- 3-Way switch function = Last switch command controls lights

L x W x H: 50 x 40 x 19 mm (2” x 1 5/8” x 3/4”)

Material: Plastic; Color: black

Version	Item No.
Standard	833.89.060
3-Way switch function	833.89.064

Supplied With
1000 mm (39 3/8”) lead

Note
A dimmer cannot be used in combination with multi switch boxes.

Lead for Multi Switch Box

- Alternative item to the supplied 1000 mm (39 3/8”) lead for multi switch box.

Material: Plastic; Color: black

Length	Item No.
500 (19 5/8”)	833.89.068
2000 (78 3/4”)	833.89.069

Extension Lead for Switches

- Lead length from driver to switch max. 6 m (19’ 8 1/4”)
- The drill hole Ø for the male plug and female socket of the switch leads is 12 mm (1/2”)

Length: 2000 mm (78 3/4”)

Color	Item No.
black	833.89.067

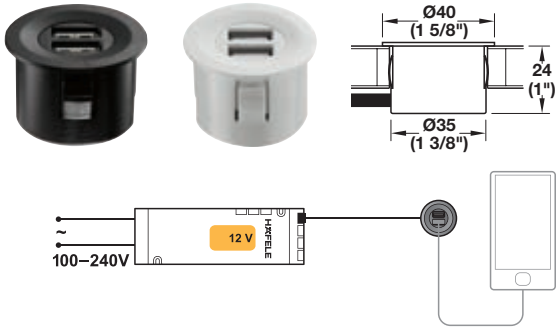
Drivers	pages 2.27, 2.51
Leads	page 2.75

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Switch Accessories

Loox



USB Converter, modular – for 12 V system

- The USB converter is intended for direct installation in the furniture
- It can charge up to two tablets or smartphones simultaneously, and providing additional functionality in the living area and stores
- The cover ring can be removed
- For mounting in drilled hole, with clip fastener
- Power consumption max. 15 W
- Input voltage: 12VDC; Output voltage: 5VDC
- Output power: 10W; Output current: 2.0A

Ø x H x Drill Ø: 40 x 24 x 35 mm (1 5/8” x 1” x 3/8”)

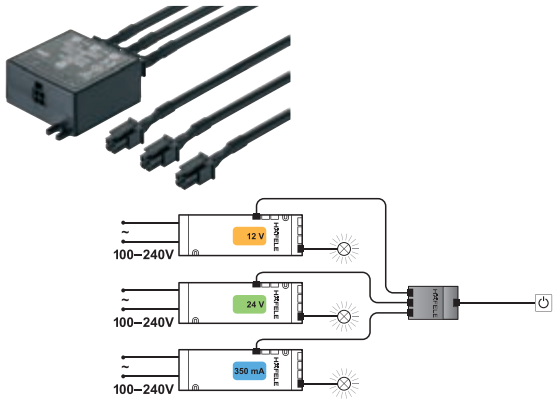
Material: Plastic

Color	Item No.
matt black	833.74.876
matt white	833.74.892

Note
Please order lead separately.

Lead

Length	Item No.
500 (19 5/8”)	833.72.128
1000 (39 3/8”)	833.72.129
2000 (78 3/4”)	833.72.123



Multi Driver Box

- Up to 3 LED drivers can be controlled with one switch
- Several drivers and several lights in the room can be switched on and off with one switch
- These can be 3 of the same driver if additional power is required in a 12 V or 24 V system
- Max. 3 x 75 W per multi driver box

L x W x H: 50 x 40 x 19 mm (2” x 1 5/8” x 3/4”)

Material: Plastic

Color	Item No.
black	833.89.061

Supplied With
3 x 1000 mm (39 3/8”) lead

Lead for Multi Driver Box

- Alternative item to the supplied 1000 mm (39 3/8”) lead for multi driver box

Material: Plastic; Color: black

Length	Item No.
500 (19 5/8”)	833.89.068
2000 (78 3/4”)	833.89.069

Loox 12 V Compatible Sound System 105

- An invisible sound system ingeniously developed to install into furniture
- A Bluetooth® receiver with an integrated exciter speaker (sound transducer) is neatly encased in a specially designed compact body that sends vibrations through different surfaces, transforming any piece of furniture into a sound conductor (speaker)

- No separate speaker is required
- Installation is quick and easy
- Amplifier output: Mono, 5W
- Operating voltage: 12 V (Loox system)
- Surface mounted

W x D x H: 66 x 25 x 140 mm (2 5/8” x 1” x 5 1/2”)

Material: Plastic

Finish	Item No.
black	822.65.000

Supplied With
Power cable
Mounting hardware

Drivers pages 2.27, 2.51, 2.61

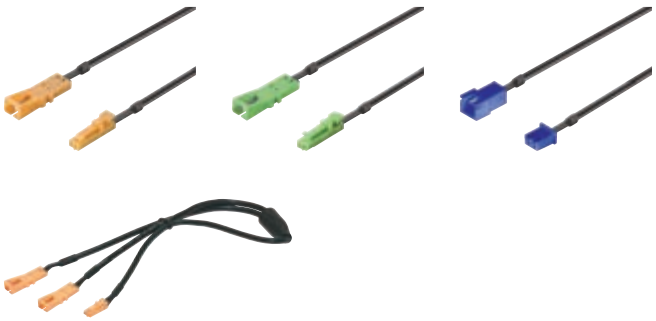
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Leads and Distributors

Loox

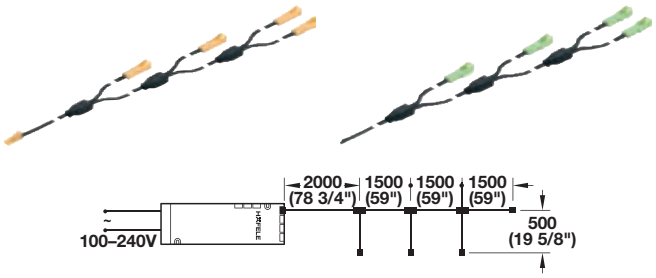


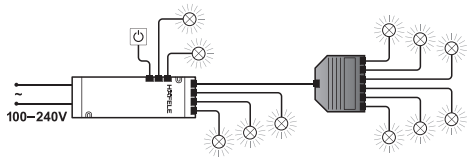
2-way Distributor, 12 V

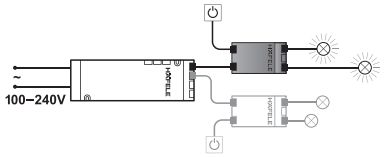
- Loox compatible 12 V
- 1 male, 2 female

Material: Plastic; Color: black

Length	Item No.
150 (5 7/8")	833.02.744







Extension Lead, 12 V / 24 V / 350 mA

- For extending the connection leads of the LED lights

Material: Plastic; Color: black

Length	500 (19 5/8")	1000 (39 5/8")	2000 (78 3/4")
12 V system	833.74.724	833.74.725	833.74.726
24 V system	833.77.706	833.77.707	833.77.708
350 mA system	833.80.704	833.80.705	833.80.706

Note
Lead length from driver to light max. 6 m.

Extension Lead, 12 V

Material: Plastic; Color: black

Length	Item No.
300 (11 13/16")	833.74.769
610 (24")	833.74.770

4-way Extension Lead

- Convenient extension for additional lights
- Makes the power distribution for multiple lights easier
- Max. 4 lights per extension can be connected
- Max. 2 extensions can be coupled

Length: 6500 mm (255 29/32")

Material: Plastic; Color: black

Application	Max. Wattage	Item No.
12 V system	30	833.74.765
24 V system	60	833.77.800

6-way Distributor

- For connecting additional lights to one driver
- With the 6-way distributor, up to 6 additional lights can be operated from one driver port

L x W x H: 58.5 x 38.2 x 10.2 mm
(2 1/4“ x 1 11/32“ x 45/64“)

Material: Plastic; Color: black

Application	Max. Wattage	Item No.
12 V system	30	833.74.743
24 V system	60	833.77.722

Supplied With
2000 mm (78 3/4") lead

3-way Distributor

- With switching function 12 V / 24 V
- Up to 3 lights can be operated separately and individually using the 3-way distributor with switching function connected to the output of the light.

L x W x H: 57 x 34 x 18 mm (2 1/4“ x 1 5/16“ x 11/16“)

Material: Plastic; Color: black

Application	Max. Wattage	Item No.
12 V system	30	833.74.742
24 V system	60	833.77.720

Supplied With
200 mm (7 7/8") lead

Dimensional data not binding. We reserve the right to alter specifications without notice.

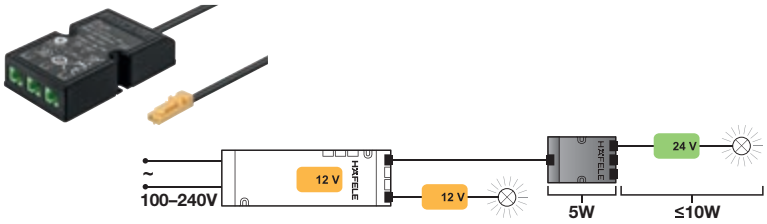
Dimensions in mm
Inches are approximate

HÄFELE

Leads and Distributors

Loox

2



Converter, 24 V to 12 V

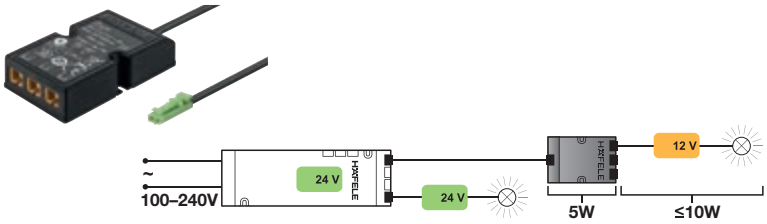
- For connecting 24 V lights to the 12 V system
- Combine 24 V lights with 12 V lights and operate them using a single 12 V driver
- Max. 10 W per converter
- Power consumption: 15 W
- Standby power consumption: 0.3 W
- Primary side: DC 12 V
- Secondary side: DC 24 V
- Number of output ports: 3 connections for 24 V lights

L x W x H: 60.5 x 34.2 x 14.6 mm (2 3/8" x 1 3/8" x 9/16")

Material: Plastic

Color	Item No.
black	833.77.934

Supplied With
1000 mm (39 3/8") lead



Converter, 12 V to 24 V

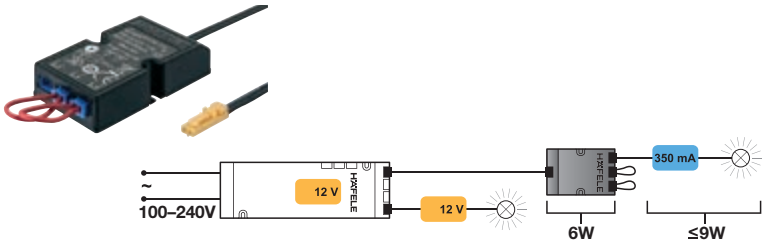
- For connecting 12 V lights to the 24 V system
- Max. 10 W per converter
- Power consumption: 15 W
- Standby power consumption: 0.3 W
- Primary side: DC 24 V
- Secondary side: DC 12 V
- Number of output ports: 3 connections for 12 V lights

L x W x H: 60.5 x 34.2 x 14.6 mm (2 3/8" x 1 3/8" x 9/16")

Material: Plastic

Color	Item No.
black	833.74.947

Supplied With
1000 mm (39 3/8") lead



Converter, 350 mA to 12 V

- For connecting 350 mA lights to the 12 V system
- Max. 9 W per converter
- Power consumption: 3 W
- Standby power consumption: 0.3 W
- Primary side: DC 12 V
- Secondary side: DC 350 mA (min. 1 W, max. 9 W)
- Number of output ports: 3 connections for 12 V lights

L x W x H: 61 x 34 x 15 mm (2 3/8" x 1 5/16" x 9/16")

Material: Plastic

Color	Item No.
black	833.80.912

Supplied With
1000 mm (39 3/8") lead
2 bridge connectors

Replacement Bridge Connector

	Item No.
	833.80.720

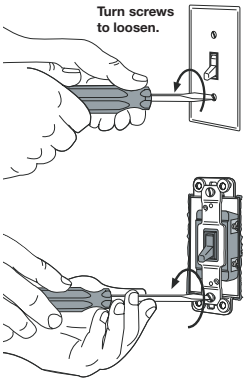
Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Lutron Stand Alone (LV)

- Control multiple LED light bars, LED strip lights and pucks
- Great for dining rooms, bedrooms, bathrooms, and kitchens
- Dimming offers energy savings over standard wall switches
- Dimming to 1%
- Arrives ready to install
- Input voltage 120 V~ 60 Hz, 600 VA / 450 W
- Operate between 32 °F (0 °C) and 104 °F (40 °C)
- 0% to 90% humidity, non-condensing
- UL LIsted

Note
For installation by a qualified electrician in accordance with all local and national electrical codes. Use copper conductors only. For indoor use only. Check to see that the driver type and rating are suitable for the application. **Compatible with E-series and Lutron Low Voltage Drivers**. DO NOT install if product has any visible damage. If moisture or condensation is evident, allow the product to dry completely before installation.

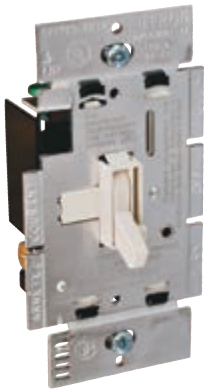


12 V
System

0 100%

black	light almond	ivory	white

Diva


Ariadni

Wall Dimming Controls
2 Wire Low Voltage (LV)

- Wattage: 600
L x W x H: 115 x 57 x 55 mm (4 1/2” x 2 1/4” x 2 3/16”)

Material: Plastic, Aluminum

Color	Diva	Ariadni
black	820.66.352	820.66.355
light almond	820.66.452	820.66.455
ivory	820.66.652	820.66.655
white	820.66.752	820.66.755

Supplied With
Mounting screws
Wire nuts
Installation instructions

Diva

Ariadni

Wall Plates

L x W x H: 120 x 70 x 10 mm (4 3/4” x 2 3/4” x 3/8”)

Material: Plastic

Color	Diva	Ariadni
black	820.66.353	820.66.356
light almond	820.66.453	820.66.456
ivory	820.66.653	820.66.656
white	820.66.753	820.66.756

Supplied With
Mounting screws
Cover plate

12 VDC E-series Drivers	page 2.27
24 VDC E-series Drivers	page 2.51
Lutron Driver	pages 2.87 - 2.88

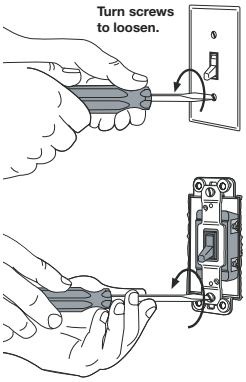
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Lutron Stand Alone (CL)

- Great for dining rooms, bedrooms, bathrooms, closets and kitchens
- Dimming offers energy savings over standard wall switches.
- Dimming to 1%
- Arrives ready to install
- Operate between 32 °F (0 °C) and 104 °F (40 °C).
- 0% to 90% humidity, non-condensing
- UL Listed

Note
For installation by a qualified electrician in accordance with all local and national electrical codes Use copper conductors only. For indoor use only Check to see that the driver type and rating are suitable for the application. **Compatible with E-series (Forward Phase) and Lutron Low Voltage Drivers.** DO NOT install if product has any visible damage. If moisture or condensation is evident, allow the product to dry completely before installation.



12 V
System

0 100%

black	light almond	ivory	white

Diva

Ariadni

Wall Dimming Controls
2 Wire Forward Phase (CL)

Wattage: 150
L x W x H: 115 x 57 x 55 mm (4 1/2" x 2 1/4" x 2 3/16")

Material: Plastic, Aluminum

Color	Diva	Ariadni
black	820.66.351	820.66.354
light almond	820.66.451	820.66.454
ivory	820.66.651	820.66.654
white	820.66.751	820.66.754

Supplied With
Mounting screws
Wire nuts
Installation instructions

Diva

Ariadni

Wall Plates

L x W x H: 120 x 70 x 10 mm (4 3/4" x 2 3/4" x 3/8")

Material: Plastic

Color	Diva	Ariadni
black	820.66.353	820.66.356
light almond	820.66.453	820.66.456
ivory	820.66.653	820.66.656
white	820.66.753	820.66.756

Supplied With
Mounting screws
Cover plate

12 VDC E-series Drivers	page 2.27
24 VDC E-series Drivers	page 2.51
Lutron Driver	pages 2.87 - 2.88

c UL us

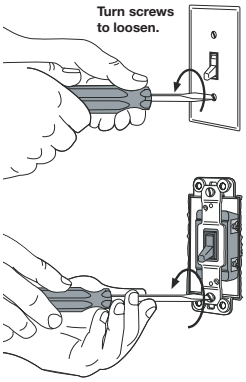
Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

Lutron Stand Alone (0-10V)

- Great for dining rooms, bedrooms, bathrooms, closets and kitchens
- Dimming offers energy savings over standard wall switches
- Dimming to 1%
- Arrives ready to install
- Works with Loox Dimmer Interface Module and Loox Driver to offer secondary side dimming
- Operate between 32 °F (0 °C) and 104 °F (40 °C)
- 0% to 90% humidity, non-condensing
- UL Listed

Note
For installation by a qualified electrician in accordance with all local and national electrical codes. Separate signal wires required to connect 0-10v dimmer to Loox Dimmer Interface. Use copper conductors only. For indoor use only. Check to see that the driver type and rating are suitable for the application. **Compatible with Loox Driver and Loox Dimmer Interface Module.** DO NOT install if product has any visible damage. If moisture or condensation is evident, allow the product to dry completely before installation.



black	light almond	ivory	white

Diva Wall Dimming Controls 2-Conductor Signal Wire (0-10V)

L x W x H: 115 x 57 x 55 mm (4 1/2” x 2 1/4” x 2 3/16”)

Material: Plastic, Aluminum

Color	Item No.
black	820.66.350
light almond	820.66.450
ivory	820.66.650
white	820.66.750

Supplied With
Mounting screws
Wire nuts
Installation instructions

Diva Wall Plates

L x W x H: 120 x 70 x 10 mm (4 3/4” x 2 3/4” x 3/8”)

Material: Plastic

Color	Item No.
black	820.66.353
light almond	820.66.453
ivory	820.66.653
white	820.66.753

Supplied With
Mounting screws
Cover plate

12 VDC Loox Drivers	page 2.27
24 VDC Loox Drivers	page 2.51
Loox Dimmer Interface	page 2.78
Leads	page 2.75

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

HÄFELE

Lutron Stand Alone
Wall Dimming Controls 2 Wire Caséta Pro

0 100%

- Control multiple LED light bars, LED strip lights and pucks up to 250 W
- Great for dining rooms, bedrooms, bathrooms, closets and kitchens
- Dimming to 1% offers energy savings over standard wall switches
- Single pole/multi-location
- 250 W dimmable LED/CFL
- 1000 W incandescent/halogen
- 1000 VA MLV
- Neutral optional
- 434 MHz
- Works with Remote and Gateway for multiple Control locations
- Operate between 32 °F (0 °C) and 104 °F (40 °C)
- 0% to 90% humidity, non-condensing

Note
For installation by a qualified electrician in accordance with all local and national electrical codes. Use copper conductors only. For indoor use only. Check to see that the driver type and rating are suitable for the application. **Compatible with E-series (Forward Phase) and Lutron Low Voltage Drivers.** DO NOT install if product has any visible damage. If moisture or condensation is evident, allow the product to dry completely before installation.

black	light almond	ivory	white

Diva Wall Dimmer

- Wattage: 250

L x W x H: 115 x 57 x 55 mm (4 1/2” x 2 1/4” x 2 3/16”)

Material: Plastic, Aluminum

Color	Item No.
black	820.66.300
light almond	820.66.400
ivory	820.66.410
white	820.66.780

Supplied With
Mounting screws
Wire nuts
Installation instructions

Diva Wall Plate

- Outer cover snaps on/off
- Turn screws to loosen inner plate

L x W x H: 120 x 70 x 10 mm (4 3/4” x 2 3/4” x 3/8”)

Material: Plastic

Color	Item No.
black	820.66.353
light almond	820.66.453
ivory	820.66.653
white	820.66.753

Supplied With
Mounting screws
Cover plate

12 VDC E-series Drivers	page 2.27
24 VDC E-series Drivers	page 2.51
Lutron Drivers	pages 2.87 - 2.88

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Lutron Caséta Wall Dimmer

0 100%

- Enables control of lights, shades, and temperature using the Lutron App
- Compatible with Caséta® Wireless dimmers and switches, Serena® battery-powered shades, Lutron Wireless Thermostat, Nest Learning Thermostat, and select Honeywell® Wi-Fi thermostats
- Easy to install; just plugs into your Wi-Fi router
- Uses Clear Connect® wireless technology— no callbacks

Lutron App for Smart Devices

- Works in conjunction with the Caséta® Pro Wall Dimmer and Smart Bridge PRO
- Control individual lights, shades, and thermostats—even when you're away from home
- Add scenes to control multiple lights and shades with a single touch
- Schedule scenes to adjust lights and shades automatically
- Download for free from the App StoreSM or Google Play™

Remote Control for Caséta Wall Dimmer

- Dimming control
- 4-button with raise/lower and light icon engraving
- 434 MHz
- Pair additional remotes to main wall dimmer for added dimming control locations
- 3 V- 10 mA
- Uses single CR 2032 battery

W x H x D: 67 X 33 X 8 mm (2 5/8" x 1 5/16" x 5/16")

Material: Plastic

Color	Item No.
black	825.73.774
light almond	825.73.771
ivory	825.73.772
white	825.73.770

Supplied With
CR2032 battery

Mounting Bracket for Remote Control

- Allows for easy installation of a remote control over an existing wall box or directly on any wall surface

W x H x D: 95 x 35 x 10 mm (3 3/4" x 1 3/8" x 3/8")

Material: Plastic, clear

	Item No.
	825.73.775

black	light almond	ivory	white

Diva Wall Plate

- Outer cover snaps on/off
- Turn screws to loosen inner plate

L x W x H: 120 x 70 x 10 mm (4 3/4" x 2 3/4" x 3/8")

Material: Plastic

Color	Item No.
black	820.66.353
light almond	820.66.453
ivory	820.66.653
white	820.66.753

Supplied With
Mounting screws
Cover plate

Gateway Smart Bridge for Caséta Pro

- 5 V

W x H xD: 70 x 70 x 30 mm (2 3/4" x 2 3/4" x 1 3/16")

Material: Plastic

Color	Item No.
white	830.69.887

Supplied With
120 V - 5 V, 300 mA Power supply

Lutron App for Smart Devices

- Works in conjunction with the Caséta® Pro Wall Dimmer and Smart Bridge PRO
- Control individual lights, shades, and thermostats—even when you're away from home
- Add scenes to control multiple lights and shades with a single touch
- Schedule scenes to adjust lights and shades automatically
- Download for free from the App StoreSM or Google Play™

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Lutron - Dimming Led Driver

12 V System

- Control multiple LED light bars, LED strip lights and pucks up to 40 W
- 10 W minimum load
- Remote mount driver up to 60 ft. away from LED source
- Provided on a junction box for easy installation and wire termination
- Dimming to 1%
- Class 2 protection device
- Arrives ready to install
- Operate between 32 °F (0 °C) and 104 °F (40 °C).
- 0% to 90% humidity, non-condensing
- A-series LED dimming drivers offer a filtered, regulated power source that works well with LED solid state lights
- 3 wire eco-systems driver solutions are available upon request

Note
For installation by a qualified electrician in accordance with all local and national electrical codes. For indoor use and copper conductors only. Check to see that the driver type and rating are suitable for the application. **Compatible with CL Dimmers.** DO NOT install if product has any visible damage. If moisture or condensation is evident, allow the product to dry completely before installation.

12 V Driver

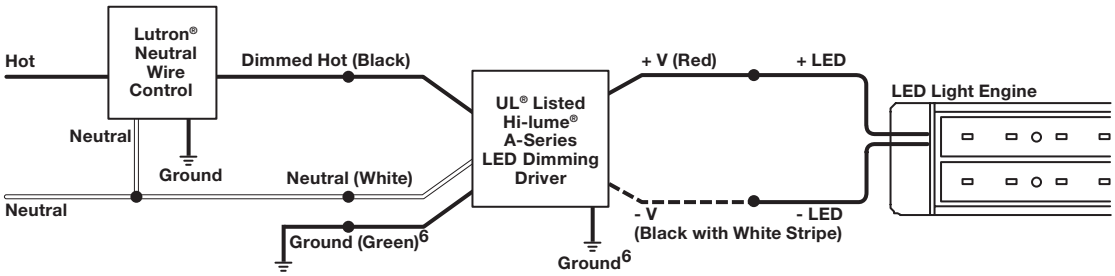
- Wattage: 40
- Input voltage: 110 VAC
- Output voltage: 12 VDC

W x H x D: 124 x 76 x 25 mm (4 7/8" x 3" x 1")

	Item No.
	833.02.961

Supplied With
Driver
Double gang box
Wire nuts
Instructions

Controls Requiring a Neutral Wire



Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

HÄFELE

Lutron - Dimming Led Driver

24 V System

- Control multiple LED light bars, LED strip lights and pucks up to 40 W
- 10 W minimum load
- Remote mount driver up to 60 ft. away from LED source
- Provided on a junction box for easy installation and wire termination
- Dimming to 1%
- Class 2 protection device
- Arrives ready to install
- Operate between 32 °F (0 °C) and 104 °F (40 °C).
- 0% to 90% humidity, non-condensing
- A-series LED dimming drivers offer a filtered, regulated power source that works well with LED solid state lights
- 24 VDC 96 W driver available upon request

Note
For installation by a qualified electrician in accordance with all local and national electrical codes. For indoor use and copper conductors only. Check to see that the driver type and rating are suitable for the application. **Compatible with CL Dimmers.** DO NOT install if product has any visible damage. If moisture or condensation is evident, allow the product to dry completely before installation.

24 V Driver

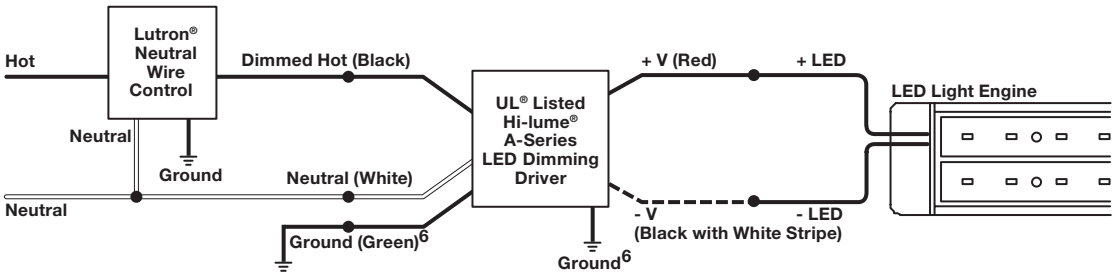
- Wattage: 40
- Input voltage: 110 VAC
- Output voltage: 24 VDC

W x H x D: 124 x 76 x 25 mm (4 7/8" x 3" x 1")

	Item No.
	833.05.905

Supplied With
Driver
Double gang box
Wire nuts
Instructions

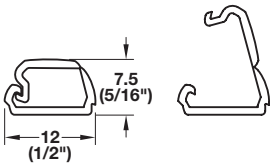
Controls Requiring a Neutral Wire



Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

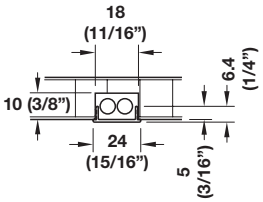
Cable Channel and Primary Leads



Cable Management Channel

Material: Plastic

Color	Item No.
tan	833.16.040
black	833.16.041
white	833.16.042



UK

AU

EU

US (2 m)
US (3 m)

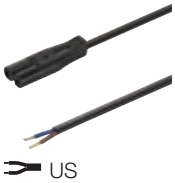
JP

CN

KR

TW

EU


US

Cable Channel

• Concealing visible cables in furniture and cabinets
L x W x H: 2500 x 12 x 7.5 mm (98 3/8" x 1/2" x 5/16")

Material: Plastic

Color	Item No.
white, RAL 9010	833.89.013
brown, RAL 8007	833.89.023
black, RAL 9005	833.89.033

Supplied With
Adhesive tape

Wiring Compartment / Splicer

L x W x H: 51 x 25 x 16 mm (2" x 31*32" x 5/8")

Material: Plastic

Color	Item No.
black	824.19.396

Wire Management Cover, recess mounted

• For concealing visible cables in furniture and cabinets
Length: 2500 mm (98 3/8")

Material: Plastic

Color	Item No.
white (RAL 9010)	833.00.730
beige (RAL 1001)	833.00.732
black (RAL 9005)	833.00.731

Country-Specific Primary Leads

Material: Plastic; Color: black

Length	Voltage	Country	Item No.
2000 (78 3/4")	250	UK	833.89.000
2000 (78 3/4")	250	AU	833.89.001
2000 (78 3/4")	250	EU	833.89.002
2000 (78 3/4")	120	US	833.89.003
3000 (118")	120	US	833.89.008
2000 (78 3/4")	100	JP	833.89.004
2000 (78 3/4")	250	CN	833.89.005
2000 (78 3/4")	250	KR	833.89.006
2000 (78 3/4")	100	TW	833.89.007
2000 (78 3/4")	250	EU	833.89.009
2000 (78 3/4")	120	US	833.89.050

Power Cord and Adapter

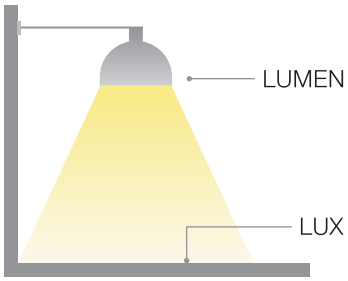
Material: Plastic; Color: black

Description	Item No.
90° plug with 2 m (78 3/4") power cord	833.89.017
90° plug adapter	833.89.018

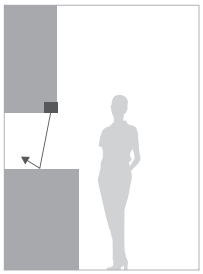
Dimensions in mm
Inches are approximate

Dimensional data not binding. We reserve the right to alter specifications without notice.

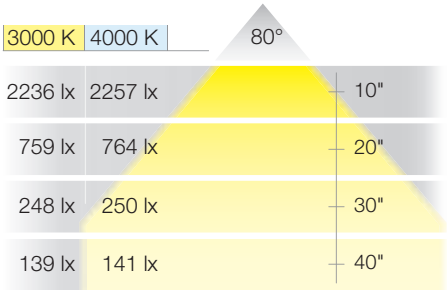
Light Measurements



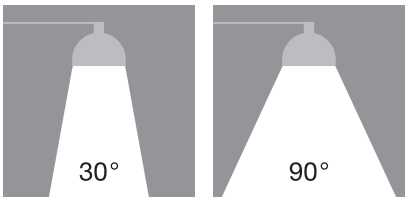
Lumen
Lumen is the unit of measurement used to indicate the intensity of a lamp. Lumen is measured at the lamp's source. Think of lumen as the "showerhead" that showers light down onto a surface.



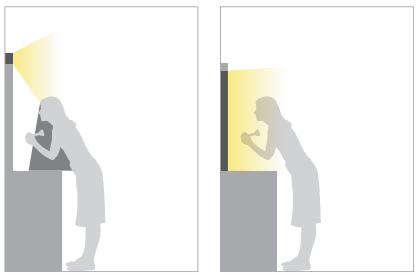
Reflections
Light reacts differently to various materials, finishes, colors and tones
- It is absorbed by dark materials
- It is reflected by light materials
- Surfaces that are smooth and shiny reflect more light than rough, dull surfaces



Lux
Lux is the measurement of light taken at the surface being illuminated. If Lumen is the showerhead, Lux is where the water lands on the shower floor. 1 Lux is defined as 1 square meter of light emitted by a standard wax candle placed 1 meter from an illuminated surface.



Beam Angle
The beam angle is the measurement of the cone of light that is emitted from a lamp. It is measured from its furthest edges where the light falls to 50% of the maximum intensity from the center. The center is commonly referred to as Nadir.



Working with shiny surfaces
- Place under cabinet lights at the front edge of the cabinet will minimize glare from high-gloss countertops and backsplashes

Shadows
- Cubbies, alcoves and other dark cavities will benefit from ribbon and puck lighting
- Use medium intensity light to avoid creating harsh shadows
- For mirrors, use vertical recessed lighting to create a functional wash of light that avoids creating heavy shadows

Color Rendering Index (CRI)

An LED's CRI number refers to its ability to accurately render colors in the way they are meant to be seen. A higher number indicates a better quality of light that more closely resembles natural daylight. Higher CRI ratings reflect a dramatic improvement in the quality of LED lighting. Varying the CRI can affect how objects, spaces and people appear to the eye. Above is an visual approximation of how different CRI ratings may render color:
- A high CRI offers the most realistic looking lighting
- Lighting in bathrooms or around mirrors requires more realistic facial tones, and calls for lighting with a high CRI
- A high or low CRI will produce a significant color difference on surrounding surfaces

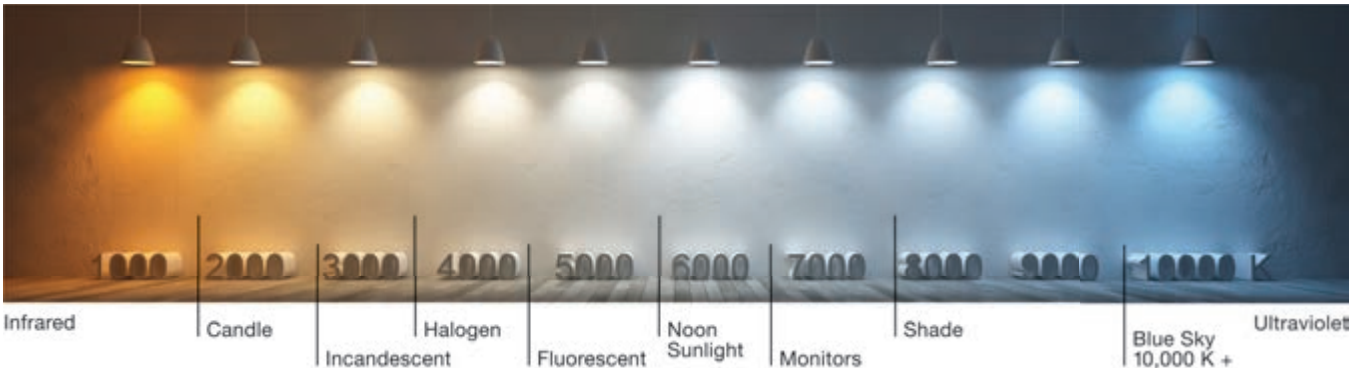
Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Color Temperature

Light color is used to establish character or mood in an environment. The color the light produces is called the color temperature and is expressed in degrees Kelvin (K).

- The lower the Kelvin rating, the warmer the light color, light with more red tones is at a lower color temperature, and is described as warm
- The higher the Kelvin rating, the cooler the light color, pure white light is at a higher color temperature, and is described as cool



Color Temperature

Color Temperature	Color	Attributes	Applications
2700 K	Warm White	Comfortable, cozy, soft, relaxing-compare to an incandescent light bulb	Bedrooms, living rooms, dining rooms, restaurants
3000 K	Bright Warm White	Inconspicuous, homey, casual, slightly brighter than Warm White, comparable to a halogen	Living rooms, restaurants, hotels, outdoor lighting
4000 K	Cool White	Bright, friendly, inviting, natural	Typically for kitchens, bathrooms and home offices
5000 K	Cool White	Bright and airy	Product displays and graphics
6500 K	Daylight White	Close to daylight, good color rendering, higher proportion of blue, neutral	Retail and jewelry stores

Rule of Thumb for Choosing Color Temperature

Choose temperature to complement materials. A warm color temperature works well with wood finishes, while cool color temperatures are best for white, metallic, glazed or painted finishes. Color temperature can highlight and enhance a cabinet's finish by adding depth and brilliance. The wrong color temperature can flatten or distort the finish or color.

Commit to a Single Color Temperature Within a Room

Choose either warm or cool colors; mixing lighting colors will create an incongruous look. For example, if you choose cool light for a tall cabinet, then choose cool color lights in drawers and base cabinets as well.

Lighting Types	White	Multi-White	RGB
Task Light	***	*	
Room Light	**	*	*
Directional Light	***	***	**
Decorative Light	***	***	***

* Good ** Better *** Best

Interiors Lighting Recommendations

Area	Lux	Color Temperature
Kitchen, dining area	300-500	2700-4000 K
Retail, jewelry stores	300-500	4000-6500 K
Bedroom, living room	200-300	2700-4000 K
Bathroom	200-300	3500-4000 K
Storage	100	4000 – 5000 K
Orientation lighting, hallway, closet	10-50	2700-4000 K

Quick Select

Luminosity	Definition	Light Color	Kelvin
Task	500 lux/500 mm	Warm White	<3400 K
Accent/Functional	151 lux-499 lux/500 mm	Cool White	3400-5900 K
Orientation (Night Light)	<150 lux/500 mm	Daylight	>5900 K
		Multi-White	2700-6500 K

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

GLOSSARY

LED - A light-emitting diode (LED) is a semi-conductor element that emits light when electricity passes through it. This semi-conductor element consists of a crystal that is attached to a metal holder, and both are encapsulated in protective plastic. LEDs are mostly based on inorganic, non-carbonic materials.

OLED - Organic light-emitting diodes (OLEDs) are based upon organic (carbonic) materials. OLEDs are manufactured in thin layers and therefore provide a diffuse light source. The OLED technology is becoming more frequently used in display applications (mobile phones and PDA screens).

Service life of an LED - Up to 30,000 hours.

Infrared radiation from LEDs - LEDs do not emit infrared radiation like incandescent bulbs do.

Heat generation of LEDs - All light sources produce heat, even LEDs. However, they do not become very hot, especially if the LEDs and lights are fitted with "heat sinks", which help reduce heat.

Test of service life in accordance with the LM-80 standard? Häfele tests Loox LED flexible strip lights in accordance with the LM-80 standard. LM-80 is a standardized testing method, which allows products to bear the EPA's (Environmental Protection Agency) Energy Star. The test is a manufacturer-independent comparison of LEDs. During the test the luminous flux (Lumen maintenance) and the service life of an LED are tested at three different temperatures (131, 185, and 221 °F) for 6,000 hours.

LEDs and food - Since LEDs do not emit UV radiation, they are a better option for supermarkets, restaurants and kitchen lighting. UV radiation reduces the nutrient content in foods, while all other light sources, including natural and artificial emit UV radiation. In addition LEDs do not emit heat which keeps foods fresher longer.

Lead in Loox products - Loox products by Häfele are lead-free and adhere to the RoHS guidelines.

TECHNICAL QUESTIONS ABOUT LOOX

Can the 12 V/24 V lights be dimmed at the primary side? Yes, this is possible with the dimmable magnetic drivers or electronic low voltage drivers controlled by wall dimmers.

What has a major effect on the service life of drivers and LEDs? An ambient temperature and/or voltage that is too high.

How long can the lead of an LED light / LED flexible strip light be? 6 meters (20'), with a longer lead the resistance drops and the specified light intensity cannot be guaranteed.

What is the service life of the drivers? Approximately 30,000 hours at an ambient temperature of 113 °F.

Can an LED flexible strip light be used behind acrylic glass? Yes, however the acrylic glass increases the light color variations (binning) up to four times and minimal color deviations are subsequently more visible.

Can the multi switch box, the multi driver box and the 3-way distributor with switching function be connected in series multiple times? No, because the signals would not be transmitted properly.

With what output tolerance should drivers and LED lights be calculated? ±10 percent

What binning (color deviation) do Loox LED lights have? Avg. ±150 Kelvin - single bin, 3 step

Can 12 V and 350 mA lights be used together? Yes, please use our corresponding converter. (refer to page **2.81**)

Which ambient variables can lead to problems when using the door sensor switch? High-gloss front panels and sliding doors. For a better solution, please use a motion detector.

Is it possible to control multiple color mixers with a single remote control? Yes, different color mixers can be managed on a single remote control.

Is the dimmer setting saved if the power fails? The dimmer setting is saved for RGB/multi-white mixers, the touch free dimmer switch and the multi-channel remote receiver for white lights. The setting is not saved for the Loox touch dimmer.

For how many Amps are the normal commercial LED plug systems and AWG-22 leads suitable? 2.5 Amps

What is the maximum Wattage that I can connect to an AWG-22 lead and plug? With 12 V systems this is 12 V x 2.5 A = 30 W. With 24 V systems this is 24 V x 2.5 A = 60 W

What is AWG 22? AWG stands for American Wire Gauge. It is the coding for wire diameters in electrical leads that are mainly used in North America. This identifies the cross-section of wires in electrical leads that consist of strands of wire.

Dimensional data not binding. We reserve the right to alter specifications without notice.

TECHNICAL QUESTIONS ABOUT LOOX

Can your lights be operated using multiple switches? Yes, please use the multi switch box to do this. Up to three switches can be connected to the multi switch box. The dimmer does not work with the multi switch box. (refer to page **2.78**)

What is the difference between the different LED flexible strip lights? LED 2012, 2030, and 3017 flexible strip lights are encased in silicone, so profiles are not required for installation. These LED flexible strip lights can be directly installed into a groove or attached to a surface. LED 2029, 2037, 3015, 3028 flexible strip lights do not have silicone and it is advisable to use aluminum profiles for installation and heat management.

What influence does the type of glass edge have on the lighting effect that is generated? The lighting effect varies depending on the type of glass shelf. Glass edge with satin finish = even light line (diffused glow) Clear glass edge = point light (hot spots)

Can I simply cut LED flexible strip lights to length? Yes, LED flexible strip lights can be shortened at the mark with the scissor symbol. Please note the following differences when doing this: LED 2012 and 3017 flexible strip lights can be shortened but not re-attached. LED 2029, 2030, 2037, 3015, 3028 flexible strip lights can be shortened or extended as much as required, since the connection between the strips and the connection to the driver is made using clip connectors. Example of LED 3015 flexible strip lights: Cut off, fit clip connector and press on – finished.

Can be shortened

Installation: Self-adhesive

Lead with clip connector

Why do the lights have to be plugged in first before connecting the primary plug? If the driver is connected to the power first, electrical power is output at the secondary side, which leads to overvoltage which damages the lights if they are connected. This is especially true with the 350 mA system.

Can Loox lights be used in vehicles, for example? Yes, but an upstream voltage stabilizer must always be installed, since voltage fluctuations occur in on-board power supplies and voltage peaks (even slight overvoltage). This can reduce the service life of the lights considerably or cause damage.

How can I compare the output of an LED light with a halogen light? Use the light cone to compare the values at 500 mm (19 5/8”). A 20 W halogen light features approx. 600 lx at 500 mm.

TROUBLESHOOTING

Why does the light flash at regular intervals when it is switched off? This is caused by leakage current in the electrical installation which is charging the capacitor in the driver until it briefly gives off the power at regular intervals to discharge itself resuling in brief flashing of the light. Solution: Check the entire installation.

Why does my LED light flash? Flashing is a sign of underloading or overloading. Use a driver with higher power or reduce the consumption.

What may be the cause if an RGB LED flexible strip light is only displaying individual colors? The clip connector has been connected incorrectly or the strip has been connected to the wrong end or to the driver.

Why is the door sensor switch not operating correctly? When sliding doors are being used, the door sensor switch cannot record the rapid movement and the movement of the door properly. Dark surfaces (e.g. jet black) have poor reflection, therefore the optical sensor may fail to detect the door panel. Solution: Use motion detectors

What are the differences between the output of the different Loox LED flexible strip lights?

	LED 2029	LED 2030	LED 2037	LED 3015	LED 3028
Wattage W/ft.	2.92/ft.	1.46/ft.	1.22/ft.	4.57/ft.	5.85/ft.
Number of LED/m	120	60	120	120	240
Lumen per Watt*	85	81	80	91	84
Lux 500 mm*	522	222	204	732	1077
max. length [m] per lead	3 (9’ 10”)	6 (20')	6 (20’)	4 (13')	2.5 (8’)

* Comparison with warm white light color 3000 K

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Test Symbols and Definition of Technical Terms

TÜV	Technical Control Board	III	Protection class III
c UL us	Underwriters Laboratories (CAN/USA)	CE	European Safety Standard
FC	Federal Communications Certified	IP20	Only for use in dry locations
RoHS	Restriction of Hazardous Substances	IP44	Protected against solid foreign objects Ø1 mm and larger and splash water
N13851 A/12586EA	Australian Communications Authority	IP65	Protected from water jets by a nozzle 6.3 mm (1/4") from any angle
PS E	Product Safety Electrical Appliance and Material Safety Law (for Japan)	IP20 / IP44	IP44 after installation
CQC	China Quality Certification	IP20 / IP65	IP65 after installation
ETL	Electrical Testing Labs (CAN/USA)	Water Tolerant	Water Tolerant
TIS	TISI – Thai Industrial Standards Institute		Lights to be used indoors only. Not to be used outdoors!
R36733	BSMI (for Taiwan)		Do not use components that impede thermal radiation
	Korea Certification Mark		Multi-white
SELV	Protective extra-low voltage	0% 100%	Dimmable
M M	Furniture installation symbol		Motion detector
F	Suitable for directly mounting to standard inflammable surfaces	RGB	RGB light
	Protection class II		

Technical terms	
Energy Efficiency Category	The energy efficiency category provides information about the relevant energy consumption. Lamps and lights are categorized in classes E to A++. LED lights achieve the highest classes A to A++.
Weight Energy Consumption	The weighted energy consumption shows the energy consumption in kilowatt hours in relation to 1,000 hours of use.

Dimensional data not binding. We reserve the right to alter specifications without notice.

LED Lighting Technology

LEDs (Light Emitting Diodes) can vary the properties of the light that is generated, and generate almost the entire color spectrum. Unlike normal light bulbs and halogen lamps, LEDs generate little heat. They use less energy and have a long service life.

ADVANTAGES:

- Long lasting
  LED lights have an extremely long service life of up to 25 years or more than 30,000 hours.
- Insensitive
  LEDs have an extremely small and robust design. This makes handling easier during furniture construction and transportation.
- Low heat generation
  LED lights generate very little heat, because of their low power consumption, making LED lighting systems particularly suitable for displays.
- Energy-saving
  LED lights use an impressive 90 percent less power than conventional light bulbs! This means that they can be used to incorporate modern lighting schemes in furniture, and still stay in line with the energy saving trend.
- Powerful
  Modern LED lights are bright and have a saturated light color. They achieve full brightness as soon as they are switched on. LED furniture lighting produces a lasting effect at the push of a button.
- Rich in variants
  LED lights are available in different colors, and can also be designed as color changing lights. This allows the light color to be coordinated with furniture contents, such as displays, in the best possible way.

THE LOOX LIGHTING TECHNOLOGY:

The Loox LED technology incorporates different power systems. A system is decided on by choosing the driver or by choosing a particular light. The choice of system is an important decision, because the driver that is selected can only be combined with lights from the same system.

12 V System

An array of choices in the 12 V system
The LED lights are voltage-controlled and connected in parallel in the 12 V system. The slots on the driver can be freely allocated. 12 V lights are presently the most extensive.

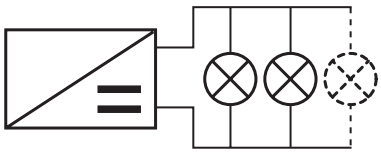
24 V System

Powerful 24 V system
Technically speaking, the 24 V system is identical to the 12 V system, but has a considerably higher power level. 24 V lights are used when extremely bright lights are required.

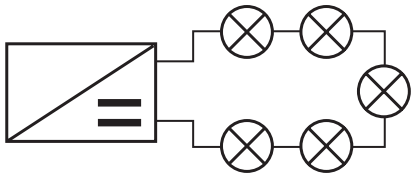
350 mA System

Spotlights in the 350 mA system
The LED lights in the 350 mA system are current-controlled and connected in series. This means that each slot has to be either occupied or must have a bridge. 350 mA lights provide extremely strong light output and are particularly suitable for spotlighting.

DRIVER ELECTRICAL CIRCUITS



Parallel connection for 12 V and 24 V systems



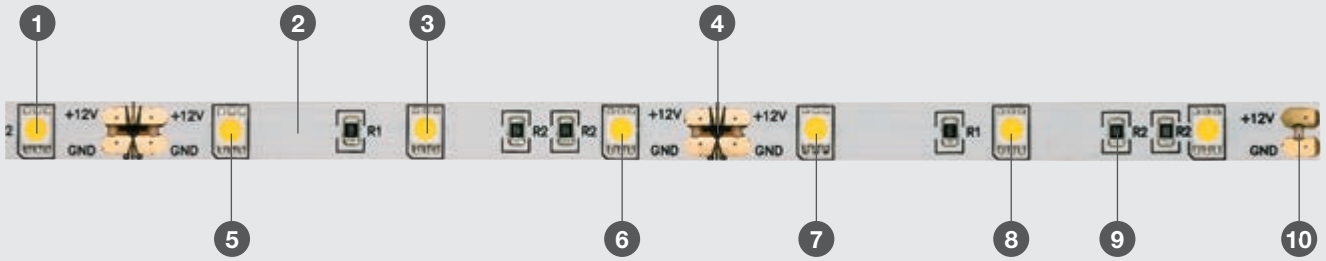
Series connection for 350 mA system

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

Quality Features

What does the design of Loox LED flexible strip lights look like?



1. Very bright, high quality LED for the best light quality
2. Highly flexible LED strip light with rear 3M© adhesive tape for providing secure adhesion to practically any surface
3. Wide beam angle
4. Can be individually shortened and extended via the clip connector
5. No UV radiation
6. Service life of up to 30,000 hours – tested according to LM-80
7. Fine brightness and color temperature binning
8. The multilayer circuit board guarantees minimal loss of performance and minimal heat generation due to the high quality material components.
9. Using the maximum quality for the electronic components and the drivers provide consistently high light quality.
10. The gold-plated contacts provide a secure connection to the driver using the clip connector.

Can be individually combined with:
Profiles (see pages 2.65–2.73)
Switches (see pages 2.74–2.79)
Distributors (see page 2.80)

Test the Loox Planning Service
www.hafele.com/us

Dimensional data not binding. We reserve the right to alter specifications without notice.

Dimensions in mm
Inches are approximate

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