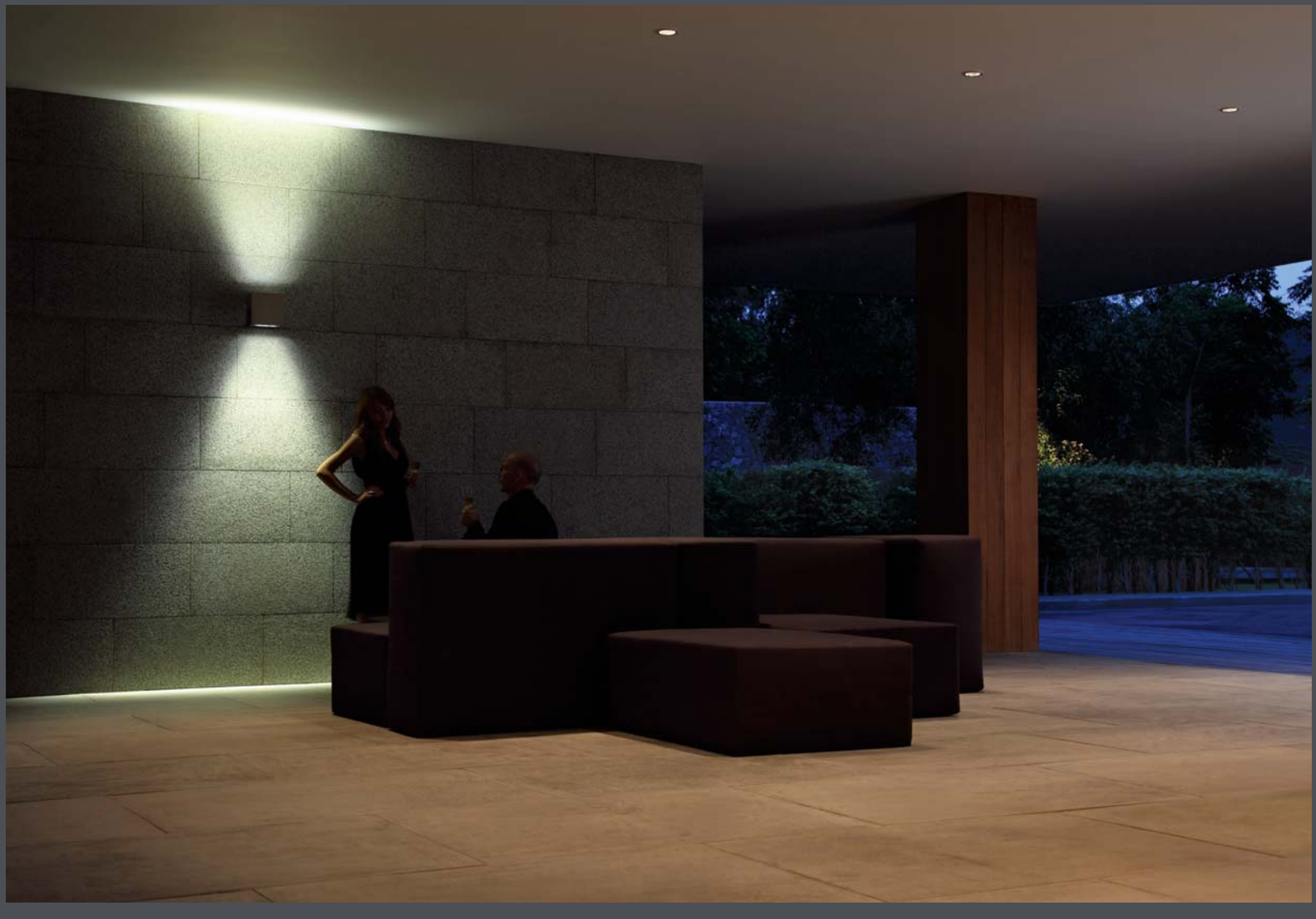
we-ef

WE-EF LEUCHTEN

Wall Luminaires Surface Mounted

QLS400 / VLS400 / SLS400

2017



THE INTELLIGENCE OF LIGHT®

Design and Engineering

The most important element in the design process is the development of luminaires that encompass timeless design; in other words, design that best reflects their enduring qualities.

In addition, state-of-the-art engineering brings with it the highest standards with regard to environmentally-friendly materials and processes, i.e., high IP ratings, excellent thermal management and innovative optical systems. The development of high-end, efficient reflectors and lenses is one of the core competencies of WE-EF. This means compliance with international lighting and safety norms, while meeting the criteria of such organisations as the Dark Sky Society. Continual investment in research and development is the basic condition for meeting these requirements. WE-EF innovations, such as IOS® Innovative Optical Systems, CTA® Cool Touch Adaptor, ASC Anti Slip Coating and OLC® One LED Concept, are just some examples of the company's continuing investment in technology.

Production

'Made by WE-EF' is more than just an expression; the high quality level of in-house production processes includes:

- Tooling for HPDC and injection moulding
- Aluminium high-pressure die-casting
- CNC machining
- Powdercoating
- Pole manufacturing
- Assembly

Through continual investment in tooling, production processes and the ongoing education of our employees, we are able to achieve the highest standards of quality. In exterior lighting, the corrosion resistance qualities of a product are important for their reliability and longevity. A durable and reliable corrosion protection can only be achieved when Product Development and the Production Processes are considered together. Years of research, development and practical testing and experience in some of the harshest climates on earth has resulted in WE-EF's unique 5CE corrosion protection system. It encompasses five critical elements; Material, Conversion Coating, Powder Coating, PCS Polymer Coated Stainless Hardware and Process Control. Only complete systems such as 5CE can provide reliability and longevity in exterior environments.

Application

Real and sustainable cost and energy savings can only be achieved through professional project planning, including the application of the latest optical systems and LEDs. In streetlighting applications, for example, this means minimising the number of luminaires required by optimising the efficiency of the optical system, while at the same time limiting glare in line with international standards. In short, reduced installation and maintenance costs, less CO_2 and improved quality of light.

Recycling

More than 90 per cent of a WE-EF luminaire can be recycled. The main component, a marine-grade aluminium substrate, is refined from recycled aluminium. This recycled aluminium is also an 'energy storer'. Only 5 per cent of the original energy needed to process bauxite into aluminium is required for recycling. In other words, 95 per cent of the original energy input is also recycled.

QLS400 SERIES

Wall luminaire, medium or narrow beam distribution, symmetric or side throw, asymmetric down, or combined up and down.

IP66, Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 7016, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gaskets. Safety glass lens. Two cable entries.

Integral EC electronic converter.

Factory installed LED circuit board. LED boards can be easily removed for upgrading. PMMA OLC® LED lenses for superior illumination and glare control.

1-10V or DALI interface on request.

Light source
LED 6-24 W, 3000 K,
for 4000 K refer to www.we-ef.com

Light distributions
[M] [M/M] [E] [E/E] [E/M] [S] [E/S]

[M] [M/M] [E] [E/E]

[M] Medium beam distribution down
[M/M] Medium beam distribution up and down
[E] Narrow beam distribution down
[E/E] Narrow beam distribution up and down

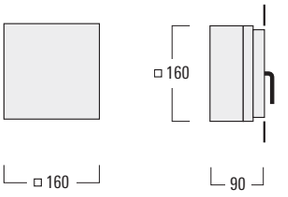
[M]	Part ID	Light source	K	lm*			Down	cd/klm	kg
QLS410	131-9401	3 LED 6W / 700 mA	3000	738			16°/16°	1503	1.9
QLS420	131-9438	6 LED 12W / 700 mA	3000	1476			16°/16°	1503	3.1

[M/M]	Part ID	Light source	K	lm*	Up	cd/klm	Down	cd/klm	kg
QLS410	131-9409	2 x 3 LED 12W / 700 mA	3000	2 x 738	16°/16°	1503	16°/16°	1503	1.9
QLS420	131-9446	2 x 6 LED 24W / 700 mA	3000	2 x 1476	16°/16°	1503	16°/16°	1503	3.1

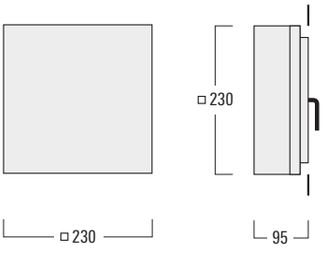
[E]	Part ID	Light source	K	lm*			Down	cd/klm	kg
QLS410	131-9420	3 LED 6W / 700 mA	3000	738			7°/7°	6566	1.9
QLS420	131-9460	6 LED 12W / 700 mA	3000	1476			7°/7°	6566	3,1

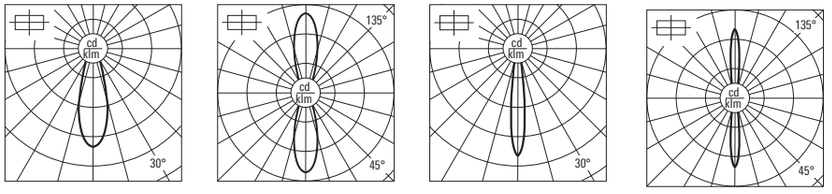
[E/E]	Part ID	Light source	K	lm*	Up	cd/klm	Down	cd/klm	kg
QLS410	131-9416	2 x 3 LED 12W / 700 mA	3000	2 x 738	7°/7°	6566	7°/7°	6566	1.9
QLS420	131-9453	2 x 6 LED 24W / 700 mA	3000	2 x 1476	7°/7°	6566	7°/7°	6566	3.1

QLS410



QLS420





[M] [M/M] [E] [E/E]

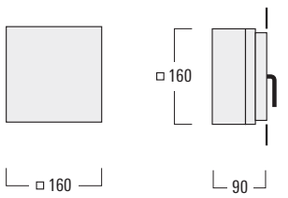
* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.

[E/M]

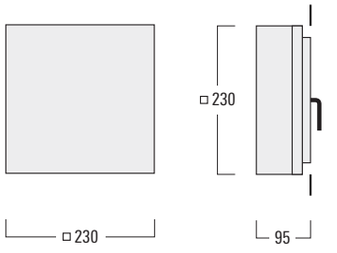
[E/M] Narrow beam distribution up and medium beam down

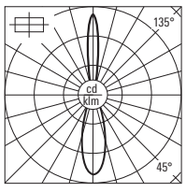
[E/M]	Part ID	Light source	K	lm*	Up	cd/klm	Down	cd/klm	kg
QLS410	131-9410	2 x 3 LED 12W / 700 mA	3000	2 x 738	7°/7°	6566	16°/16°	1503	1.9
QLS420	131-9447	2 x 6 LED 24W / 700 mA	3000	2 x 1476	7°/7°	6566	16°/16°	1503	3.1

QLS410



QLS420





[E/M]

[S]

[E/S]

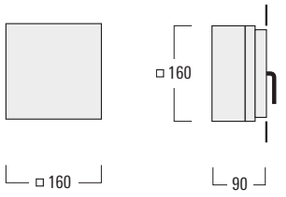
[S] Side throw distribution down

[E/S] Narrow beam distribution up and side throw down

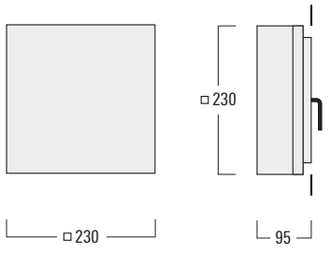
[S]	Part ID	Light source	K	lm*			C_0C_{180} Down	$C_{90}C_{270}$ Down	cd/klm	kg
QLS410	131-9400	3 LED 6W / 700 mA	3000	738			11°/11°	29°/29°	1269	1.9
QLS420	131-9437	6 LED 12W / 700 mA	3000	1476			11°/11°	29°/29°	1269	3.1

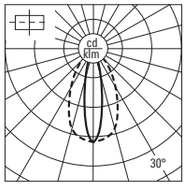
[E/S]	Part ID	Light source	K	lm*	Up	cd/klm	C_0C_{180} Down	$C_{90}C_{270}$ Down	cd/klm	kg
QLS410	131-9408	2 x 3 LED 12W / 700 mA	3000	2 x 738	7°/7°	6566	11°/11°	29°/29°	1269	1.9
QLS420	131-9445	2 x 6 LED 24W / 700 mA	3000	2 x 1476	7°/7°	6566	11°/11°	29°/29°	1269	3.1

QLS410

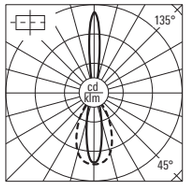


QLS420





[S]



[E/S]

* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.

VLS400 SERIES

Wall luminaire, medium or narrow beam distribution, symmetric or forward throw, asymmetric down, or combined up and down.

IP66, Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in RAL 7016, RAL 9004, RAL 9006, RAL 9007 or RAL 9016. Silicone rubber gaskets. Safety glass lens. Two cable entries.

Integral EC electronic converter.

Factory installed LED circuit board. LED boards can be easily removed for upgrading. PMMA OLC® LED lenses for superior illumination and glare control.

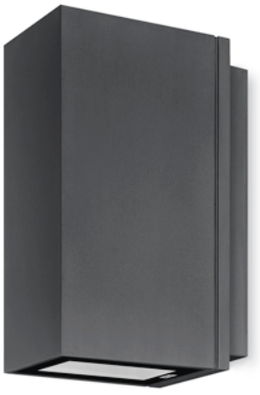
1-10V or DALI interface on request.

Light source
LED 6-24 W, 3000 K,
for 4000 K refer to www.we-ef.com

Light distributions
[M] [M/M] [E] [E/E] [E/M] [A60] [E/A60]

[M] [M/M] [E] [E/E]

[M] Medium beam distribution down
[M/M] Medium beam distribution up and down
[E] Narrow beam distribution down
[E/E] Narrow beam distribution up and down



[M]	Part ID	Light source	K	lm*			Down	cd/klm	kg
VLS410	131-9503	3 LED 6W / 700 mA	3000	738			16°/16°	1503	3.3
VLS420	131-9153	6 LED 12W / 700 mA	3000	1476			16°/16°	1503	4.9

[M/M]	Part ID	Light source	K	lm*	Up	cd/klm	Down	cd/klm	kg
VLS410	131-9513	2 x 3 LED 12W / 700 mA	3000	2 x 738	16°/16°	1503	16°/16°	1503	3.3
VLS420	131-9163	2 x 6 LED 24W / 700 mA	3000	2 x 1476	16°/16°	1503	16°/16°	1503	4.9

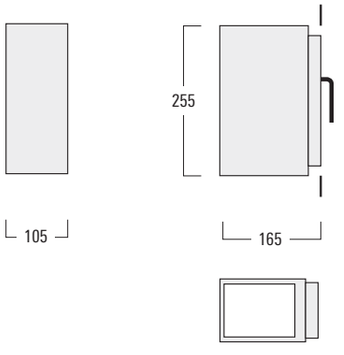
[E]	Part ID	Light source	K	lm*			Down	cd/klm	kg
VLS410	131-9504	3 LED 6W / 700 mA	3000	738			7°/7°	6566	3.3
VLS420	131-9154	6 LED 12W / 700 mA	3000	1476			7°/7°	6566	4.9

[E/E]	Part ID	Light source	K	lm*	Up	cd/klm	Down	cd/klm	kg
VLS410	131-9515	2 x 3 LED 12W / 700 mA	3000	2 x 738	7°/7°	6566	7°/7°	6566	3.3
VLS420	131-9165	2 x 6 LED 24W / 700 mA	3000	2 x 1476	7°/7°	6566	7°/7°	6566	4.9

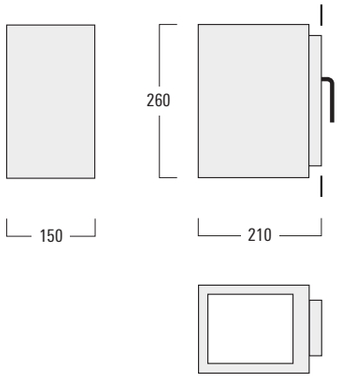
Accessories

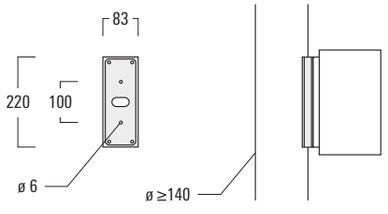
CF-410/420	131-9140	Column fitter for VLS410 / VLS420	0.6

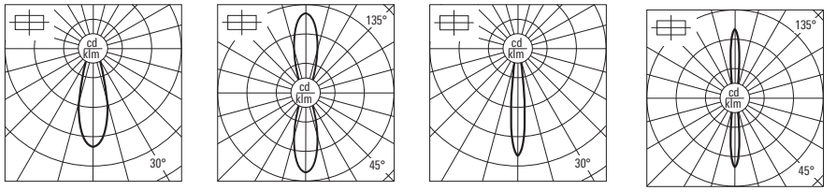
VLS410



VLS420







[M] [M/M] [E] [E/E]

* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.

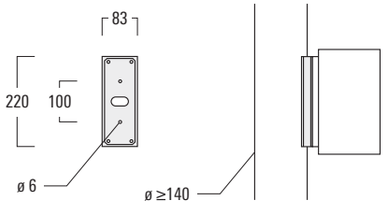
[E/M]

[E/M] Narrow beam distribution up and medium beam down

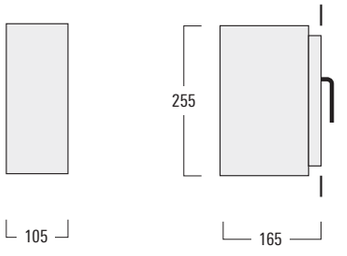
[E/M]	Part ID	Light source	K	lm*	Up	cd/klm	Down	cd/klm	kg
VLS410	131-9514	2 x 3 LED 12W / 700 mA	3000	2 x 738	7°/7°	6566	16°/16°	1503	3.3
VLS420	131-9164	2 x 6 LED 24W / 700 mA	3000	2 x 1476	7°/7°	6566	16°/16°	1503	4.9

Accessories

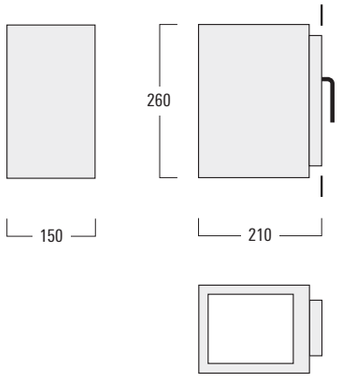
CF-410/420	131-9140	Column fitter for VLS410 / VLS420							0.6

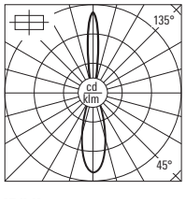


VLS410



VLS420





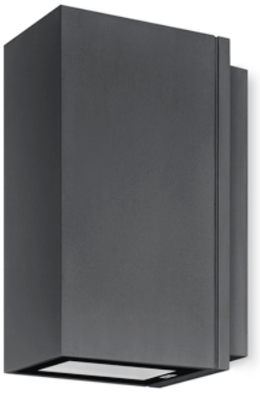
[E/M]

[A60]

[E/A60]

[A60] Asymmetric forward throw distribution down

[E/A60] Narrow beam distribution up and asymmetric forward throw down



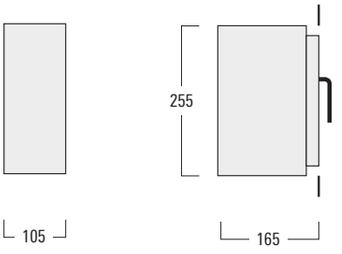
[A60]	Part ID	Light source	K	lm*			C_0C_{180} Down	$C_{90}C_{270}$ Down	cd/klm	kg
VLS410	131-9502	3 LED 6W / 700 mA	3000	738			62°/20°	39°/39°	3123	3.3
VLS420	131-9152	6 LED 12W / 700 mA	3000	1476			62°/20°	39°/39°	3123	4.9

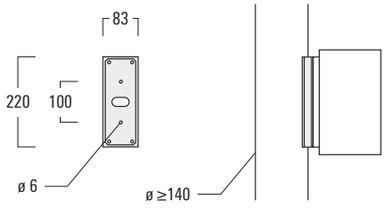
[E/A60]	Part ID	Light source	K	lm*	Up	cd/klm	C_0C_{180} Down	$C_{90}C_{270}$ Down	cd/klm	kg
VLS410	131-9512	2 x 3 LED 12W / 700 mA	3000	2 x 738	7°/7°	6566	62°/20°	39°/39°	3123	3.3
VLS420	131-9162	2 x 6 LED 24W / 700 mA	3000	2 x 1476	7°/7°	6566	62°/20°	39°/39°	3123	4.9

Accessories

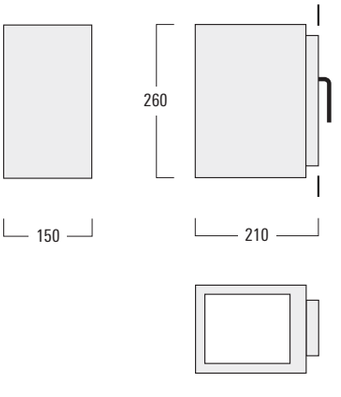
CF-410/420	131-9140	Column fitter for VLS410 / VLS420	0.6

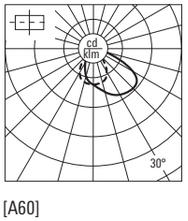
VLS410





VLS420





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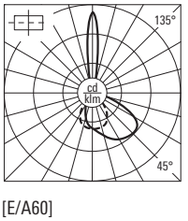

[E/A60]

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SLS400 SERIES

Wall luminaire, medium or narrow beam distribution, symmetric or forward throw, asymmetric down, or combined up and down.

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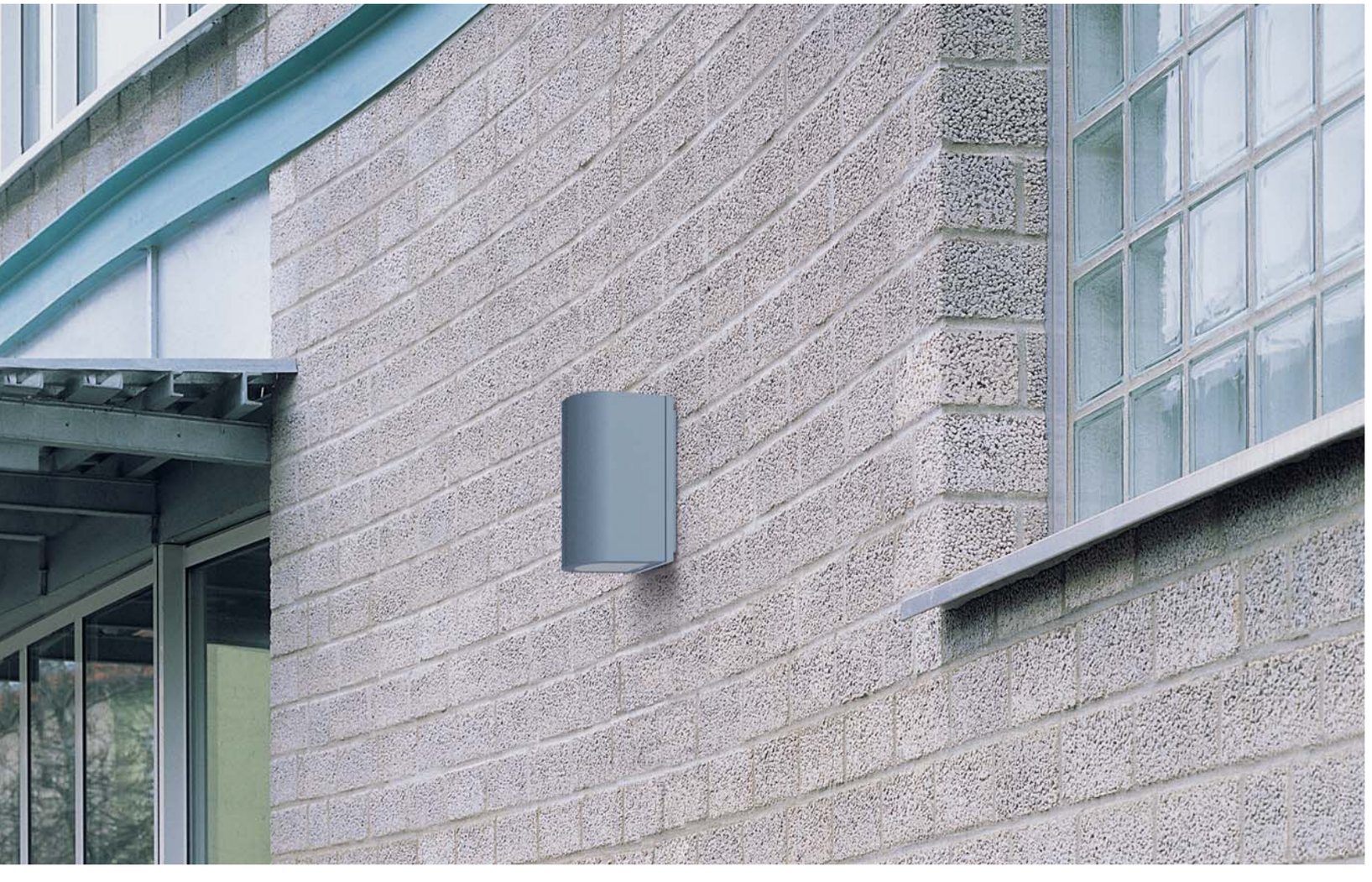
Integral EC electronic converter.

Factory installed LED circuit board. LED boards can be easily removed for upgrading. PMMA OLC® LED lenses for superior illumination and glare control.

1-10V or DALI interface on request.

Light source
LED 6-24 W, 3000 K,
for 4000 K refer to www.we-ef.com

Light distributions
[M] [M/M] [E] [E/E] [E/M] [A60] [E/A60]



[M] [M/M] [E] [E/E]

[M] Medium beam distribution down
[M/M] Medium beam distribution up and down
[E] Narrow beam distribution down
[E/E] Narrow beam distribution up and down

[M]	Part ID	Light source	K	lm*			Down	cd/klm	kg
SLS410	131-9473	3 LED 6W / 700 mA	3000	738			16°/16°	1503	3.3
SLS420	131-9533	6 LED 12W / 700 mA	3000	1476			16°/16°	1503	4.9

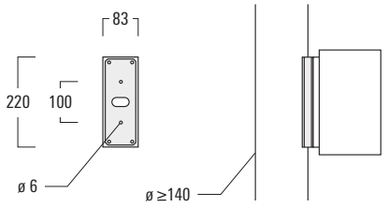
[M/M]	Part ID	Light source	K	lm*	Up	cd/klm	Down	cd/klm	kg
SLS410	131-9483	2 x 3 LED 12W / 700 mA	3000	2 x 738	16°/16°	1503	16°/16°	1503	3.3
SLS420	131-9543	2 x 6 LED 24W / 700 mA	3000	2 x 1476	16°/16°	1503	16°/16°	1503	4.9

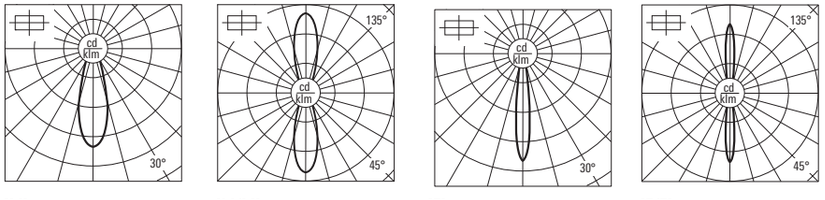
[E]	Part ID	Light source	K	lm*			Down	cd/klm	kg
SLS410	131-9474	3 LED 6W / 700 mA	3000	738			7°/7°	6566	3.3
SLS420	131-9534	6 LED 12W / 700 mA	3000	1476			7°/7°	6566	4.9

[E/E]	Part ID	Light source	K	lm*	Up	cd/klm	Down	cd/klm	kg
SLS410	131-9485	2 x 3 LED 12W / 700 mA	3000	2 x 738	7°/7°	6566	7°/7°	6566	3.3
SLS420	131-9545	2 x 6 LED 24W / 700 mA	3000	2 x 1476	7°/7°	6566	7°/7°	6566	4.9

Accessories

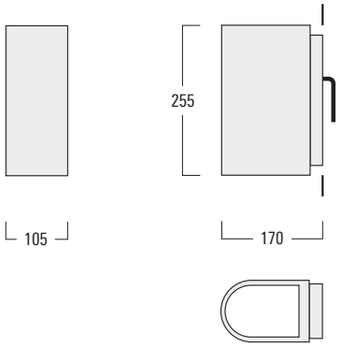
CF-410/420	131-9140	Column fitter for SLS410 / SLS420	0.6



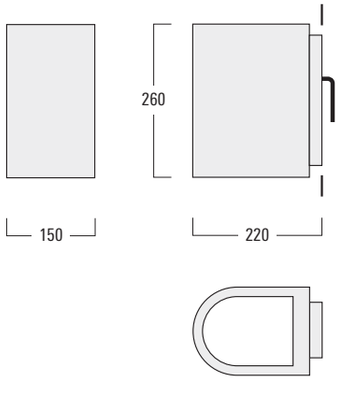


[M] [M/M] [E] [E/E]

SLS410



SLS420



* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.

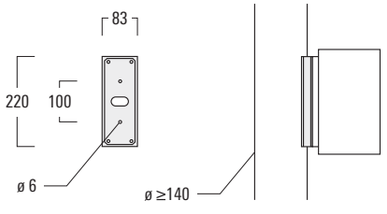
[E/M]

[E/M] Narrow beam distribution up and medium beam down

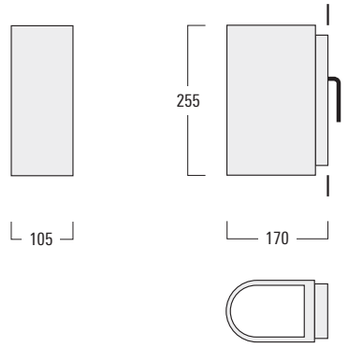
[E/M]	Part ID	Light source	K	lm*	Up	cd/klm	Down	cd/klm	kg
SLS410	131-9484	2 x 3 LED 12W / 700 mA	3000	2 x 738	7°/7°	6566	16°/16°	1503	3.3
SLS420	131-9544	2 x 6 LED 24W / 700 mA	3000	2 x 1476	7°/7°	6566	16°/16°	1503	4.9

Accessories

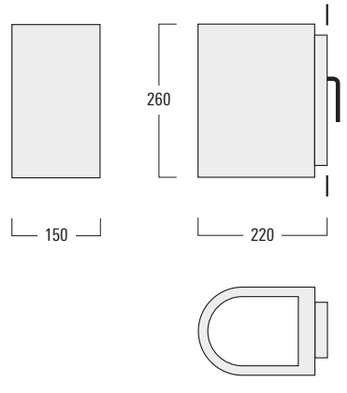
CF-410/420	131-9140	Column fitter for SLS410 / SLS420							0.6

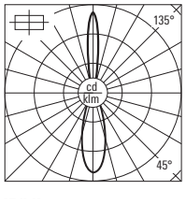


SLS410



SLS420





[E/M]

[A60]

[E/A60]

[A60] Asymmetric forward throw distribution down

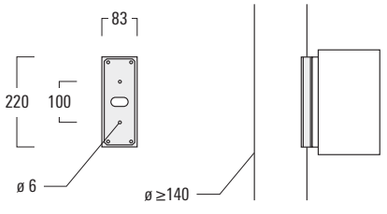
[E/A60] Narrow beam distribution up and asymmetric forward throw down

[A60]	Part ID	Light source	K	lm*			C_0C_{180} Down	$C_{90}C_{270}$ Down	cd/klm	kg
SLS410	131-9472	3 LED 6W / 700 mA	3000	738			62°/20°	39°/39°	3123	3.3
SLS420	131-9532	6 LED 12W / 700 mA	3000	1476			62°/20°	39°/39°	3123	4.9

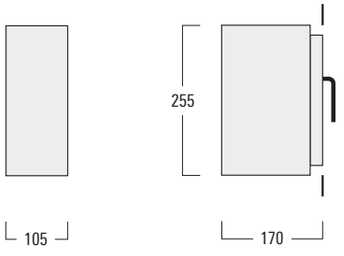
[E/A60]	Part ID	Light source	K	lm*	Up	cd/klm	C_0C_{180} Down	$C_{90}C_{270}$ Down	cd/klm	kg
SLS410	131-9482	2 x 3 LED 12W / 700 mA	3000	2 x 738	7°/7°	6566	62°/20°	39°/39°	3123	3.3
SLS420	131-9542	2 x 6 LED 24W / 700 mA	3000	2 x 1476	7°/7°	6566	62°/20°	39°/39°	3123	4.9

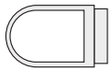
Accessories

CF-410/420	131-9140	Column fitter for SLS410 / SLS420	0.6

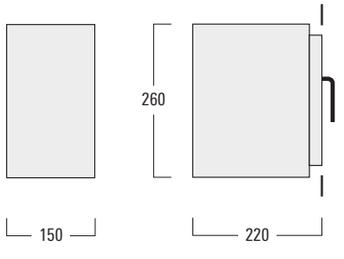


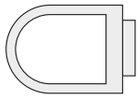
SLS410

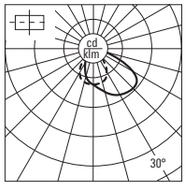




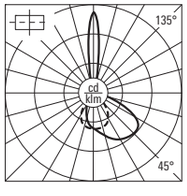
SLS420







[A60]



[E/A60]

* Nominal lumen output based on LED manufacturers data at 85°C T_J. For rated lumens at 25°C T_q and latest data refer to www.we-ef.com.

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