



Light is impressive

Siteco Vega[®]

The designer range of LED luminaires for professional office lighting.

Light is **OSRAM**

siteco
AN OSRAM BUSINESS

OSRAM 

Siteco Vega[®]

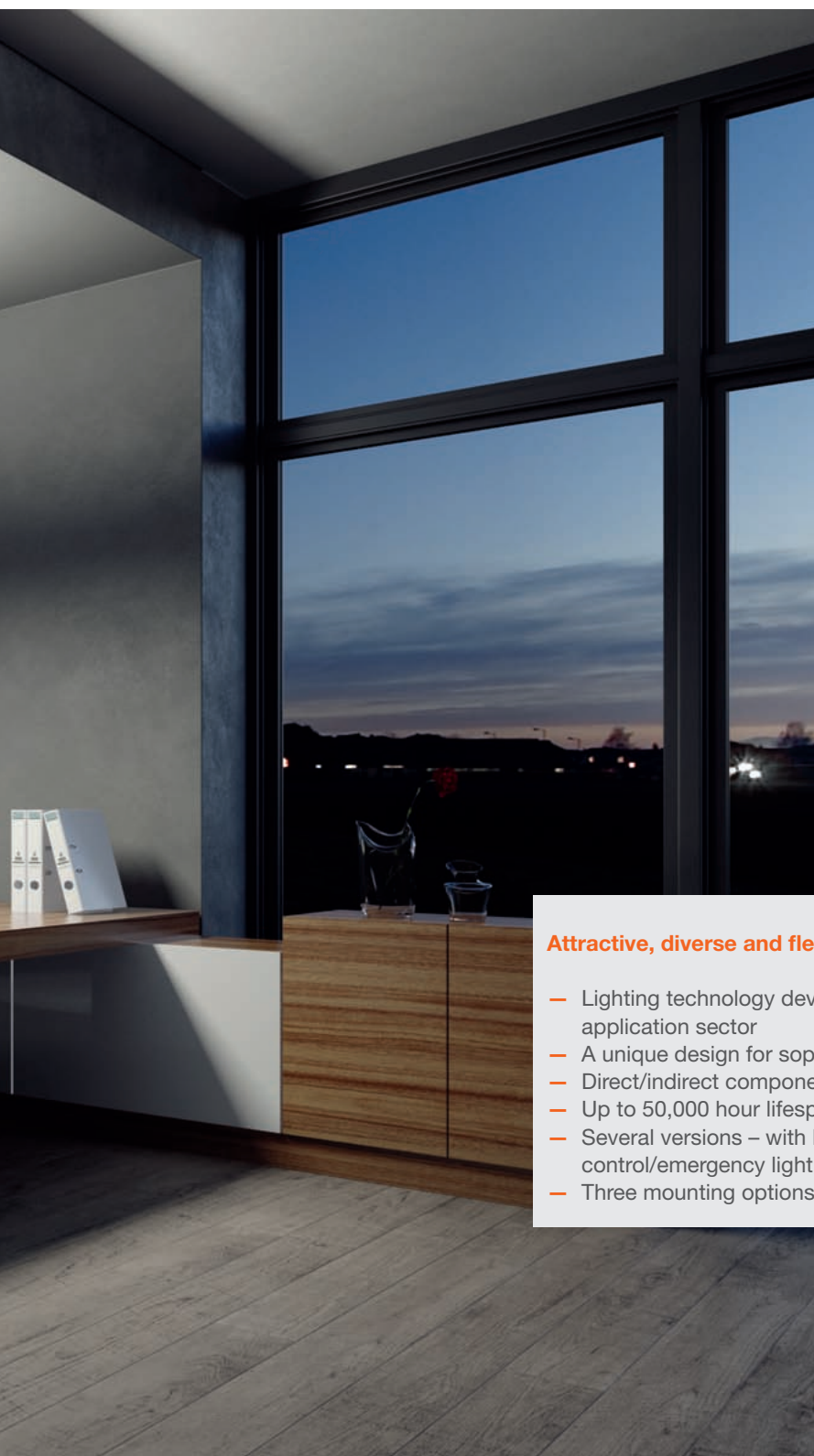
The designer range of LED luminaires for professional office lighting.

The decision for outstanding light

Vega® and is an especially high-quality luminaire range for sophisticated applications in office surroundings. The innovative LED luminaires set new standards thanks to a new form of intelligent luminaire technology and superior optics, with the prismatic plate for example developed exclusively for OSRAM being a world's first.

All Vega® luminaires inspire with an ideal combination of premium light quality, appealing design and high efficiency, and also offer unusually high flexibility for applications thanks to versions equipped with DALI, sensors, emergency light, LIGHTIFY® Pro and with various mounting methods.





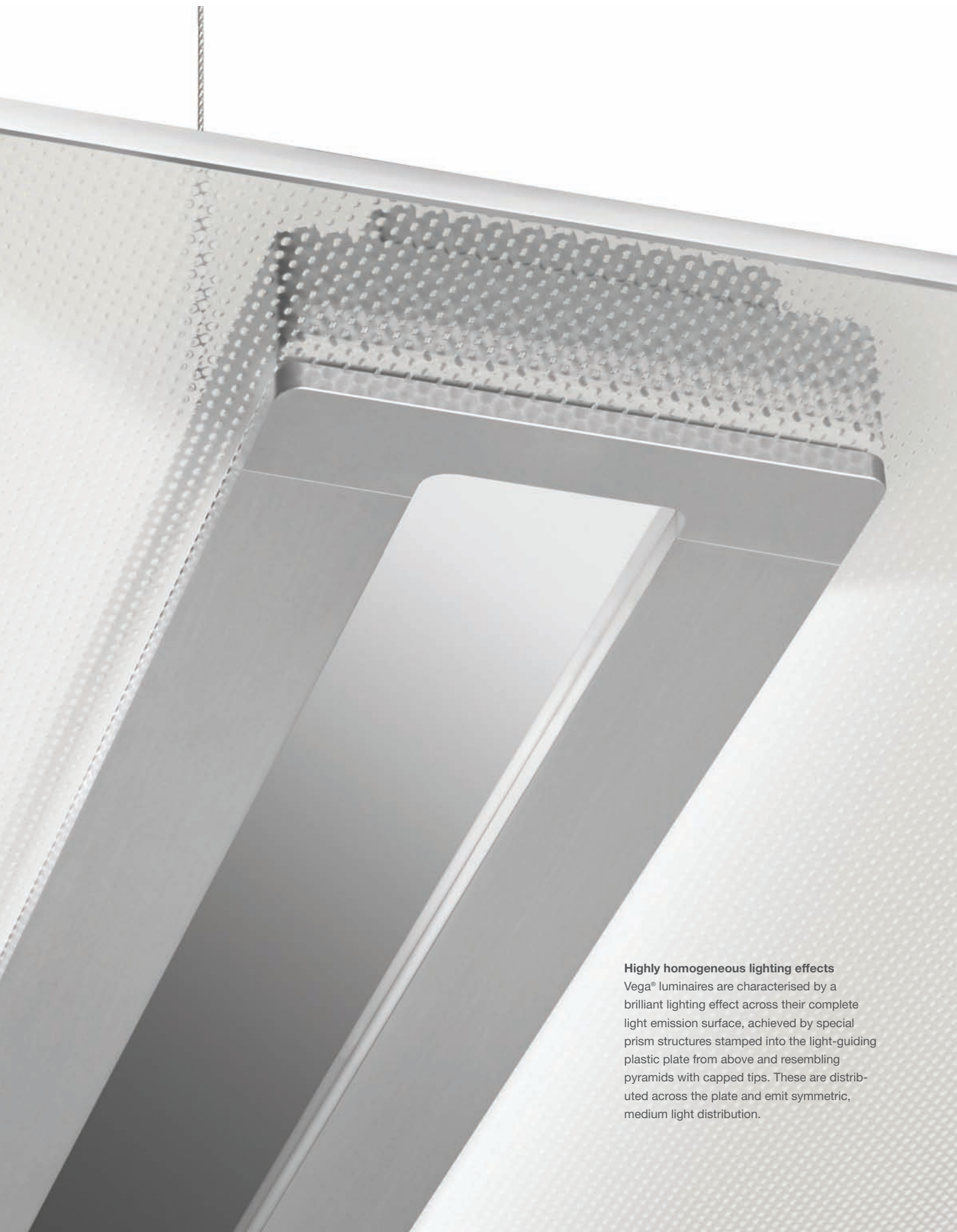
Aesthetic design for modern offices

Innovative LED and lighting technology, an appealing design, high efficiency levels and suitability for computer screen illumination: Vega® has been specifically developed for the modern, successful application of light in classic office environments. Thanks to the special light characteristics and the good glare control, Vega® luminaires can also be placed directly above workplaces.

The luminaires have a particular appeal in sophisticated surroundings such as foyers, lounges, reception areas, counters and meeting rooms, as well as educational facilities, schools, libraries and public buildings.

Attractive, diverse and flexible

- Lighting technology developed specifically for the office application sector
- A unique design for sophisticated surroundings
- Direct/indirect components for pleasant room atmospheres
- Up to 50,000 hour lifespan (L90/B50) and 100lm/W luminous efficacy
- Several versions – with DALI, with/without sensor technology/wireless control/emergency light functionality, two light colours (3000 K/4000 K)
- Three mounting options – suspended / surface-mounted / system rail



Highly homogeneous lighting effects

Vega® luminaires are characterised by a brilliant lighting effect across their complete light emission surface, achieved by special prism structures stamped into the light-guiding plastic plate from above and resembling pyramids with capped tips. These are distributed across the plate and emit symmetric, medium light distribution.

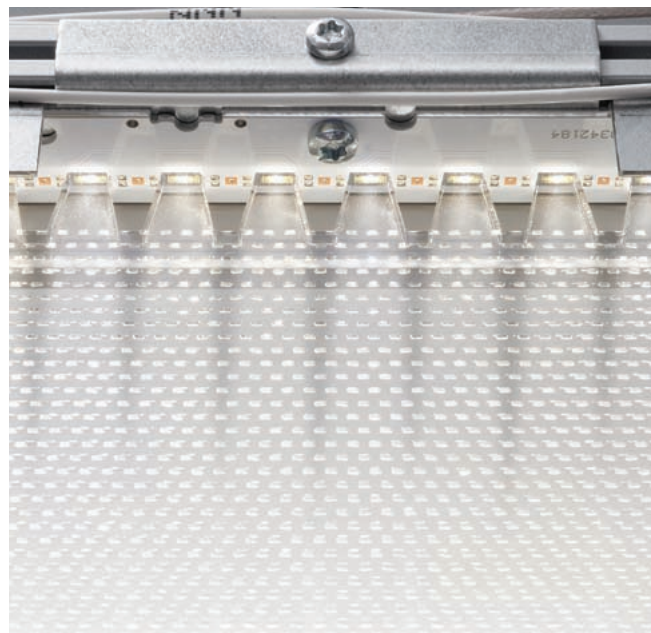
Innovative technology for superior quality of light

Vega® puts many other office luminaires in the shadows thanks to special prismatic structures and other optical highlights used exclusively by OSRAM. Directives for offices

in terms of uniformity and glare reduction are optimally fulfilled – meaning that Vega® luminaires are suitable for the illumination of computer screen workstations.

Highly efficient light utilisation

Without prisms, the light coupled into the plate would obey the laws of total reflection and be infinitely diffracted in the plate. Only with a specific design as a disrupter is the light emitted upwards in the form of an indirect light component, or else directed downwards at an angle of $> 40^\circ$, enabling it to emerge as direct light. With the surface-mounted luminaire version, the indirect component can be removed via a special trim. Because light is 'lost' on the path away from the LEDs, more prisms at the edge of the plate ensure that as much light is guided downwards here as in the inner section.



Highly targeted light control

The LEDs couple their light laterally into the illuminated surface, and have special apertures (so-called collimations) that limit the beam angle and guide the light into the desired paths. This form of light control together with the specific prismatic structure ensures compatibility for computer screen workstation illumination.

A sophisticated, filigree design that sets accents

Less elements - more visual appeal

The Vega® catches the eye with its sleek form and prismatic plate with a height of just 6 millimetres, as well as LEDs inserted in the central ridge as the primary element.

The central profile integrating the LEDs and ECG is just 43 millimetres high, giving a highly slender and discreet character. This ensures a lightweight impression and guarantees that the ceiling appearance is not disrupted by additional objects.



On or off: the Vega® sets design accents with its purist, modern looks. In switched-off state, the light-guiding prismatic plate with a height of only 6 mm is practically transparent, and when switched on it appears as a filigree, brilliant light emission surface. This enables Vega® luminaires to blend harmoniously into sophisticated surroundings.



Intelligent control for even more efficiency

Light management systems and daylight control enable lighting according to needs and therefore achieve even more efficiency. All Vega® versions are DALI-capable and can be integrated with simplicity into external light management

systems. In this way, further savings potential can be exploited in addition to high-efficiency LED technology. The extent of this efficiency can be seen in the calculation examples below.

Greater efficiency in all situations

Lighting planning for an open-plan office:
 Office space: 109.25 m² / RH: 2.85 m
 Standard reflection factors: 20/50/70 (floor/ walls/ ceiling)
 Maintenance factor: 0.8 (LED); 0.7 (T16/26)
 Yearly service life: 2750 h
 Illuminance in accordance with DIN EN 12464-1:
 Area of visual task (task area)
 E_m : ≥ 500 lx (ME: 0.75m) / Uniformity U_0 : ≥ 0.6



	T26 system 2x 36 W	T16 system 2x 28 W	Vega® LED 4300 lm /45 W
Nominal illuminance E_m/U_0	510 lx / 0.76	508 lx/ 0.68	520 lx/ 0.64
Number of luminaires	24	20	12
Rated power	86.5 W	61.5 W	45,0 W
Total consumption	2076 W	1230 W	540 W
Total consumption W/m ²	19.0	11.3	4.9
Energy consumption kWh/year	5709	3382	1485
CO ₂ consumption, t/year	3439	2038	895
Energy/CO ₂ savings (compared to T26 system without LMS)	0	41%	73%
Energy/CO ₂ savings (compared to T16 system without LMS)	0	0%	56%

Energy/CO₂ savings

compared to T26 system (dynamic - with LMS)



Maintenance factor table

Vega®: 3000K – 4130lm/5360lm and 4000K – 4300 lm/5580lm

Operating duration in 1,000h.		0	5	10	15	20	25	30	35	40	45	50
$T_a = 25^\circ\text{C}$	LLMF	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90
	LSF	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99

Please note:
 Only LED or LED module data are considered when determining luminous flux reduction (LLMF) and total failure (LSF). Total failure references failure of the first components in each case. Unexpected premature failures are not considered. The values specified apply with system operation up until the maximum specified rated ambience temperature $T_{ambient}$. These serve for supporting lighting planners when determining the maintenance factor of indoor LED lighting installations. Warranty claims cannot be derived from the data specified.

Vega® with sensor technology

- Presence detection range with a diameter of up to 2.5 m
- Motion detection with a diameter of up to 7 m
- Daylight control

**Vega® with emergency light functionality**

- Single battery unit for emergency light functionality acc. to DIN EN 50172 and DIN EN 60598-2-22
- Automatic commissioning of emergency light component
- Self-test function acc. to DIN EN 62034 with control LED
- 1 h and 3 h rated operating duration

**Vega® with LIGHTIFY® Pro radio control**

- Vega® with integrated presence and daylight sensor, and LIGHTIFY® Pro controller
- Controllable via app and mobile end device practically wirelessly, as single luminaire or in groups, optionally also via LIGHTIFY® Pro push-button interface
- Various lighting profiles can be set (single office, open-plan office, classroom, foyer areas, conference rooms)



More information about LIGHTIFY® Pro:
www.osram.com/lightify



Flexible mounting for diverse applications

Vega® luminaires can be installed suspended, surface-mounted or via system rails, giving a variety of mounting methods to ideally suit on-site structural conditions.



Suspended variant – with direct/indirect light component

The luminaire is especially filigree with a floating, lightweight appearance thanks to single-point mounting. A discrete canopy functions as almost invisible cable strain relief. With an achieved glare reduction of $UGR < 16$ as well as less than 1500 cd/m^2 , the suspended Vega® is suitable for illuminating computer screen workstations with maximum visual demands, e.g. for technical drawing and highprecision work processes.

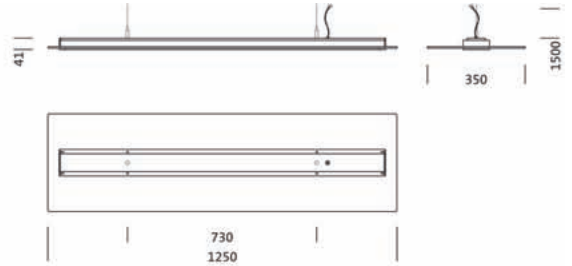
Surface-mounted variant – without indirect light component or with adaptable ceiling illumination

Trims of highly reflective material that reflect back the indirect light component, either completely or partially, can be attached to the upper luminaire surface if required.



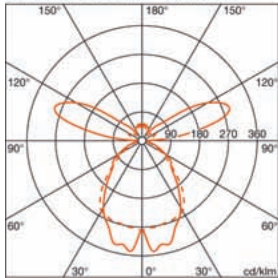
System rail variant – with direct/indirect light component

Luminaires can be freely positioned on the discrete system rail that can be partially closed from above. Through-wiring is also possible via the system rail.



4050737627991
5MN238D1C

LED 4000K / CRI ≥ 80 Φ_{H} 4300 lm



No. of luminaires in room

Reflection factors 70/50/20	100		200		500	
	Em(klx)	Lh(m)	Em(klx)	Lh(m)	Em(klx)	Lh(m)
20 m²	0.9	1.0	1.7	1.9	4.3	4.8
30 m²	1.3	1.4	2.5	2.8	6.4	7.0
40 m²	1.6	1.7	3.1	3.4	7.9	8.6
50 m²	1.9	2.1	3.8	4.1	9.5	10
75 m²	2.8	3.0	5.6	5.9	14	15
100 m²	3.6	3.8	7.2	7.6	18	19
500 m²	16	16	32	33	80	82

Maintenance factor 0.8 $R_h = L_h + 0.5 \text{ m}$

Vega® with ECG DALI

without or with single battery emergency light element

Single luminaire for suspended mounting or ceiling surface mounting

- with transparent prism plate with Diamond Prism Technology, direct/indirect distribution; direct distribution or direct distribution with ceiling illumination via optional baffle

- with ECG DALI; according to version additionally with single battery emergency light element
- housing and flange of prism plate of aluminium, anodised; prism plate of PMMA
- protection rating: IP20
- insulation class: I
- service life: 50,000h (L90/B50)
- luminaire incl. installed connection cable, l = 1.5m

function: luminaire with single battery emergency light element

Luminaire wired ready for connection, with 4-pole connection terminal (3-pole for 'normal mains' with switched phase + 1-pole for additional unswitched phase for emergency light element + 2-pole for DALI)



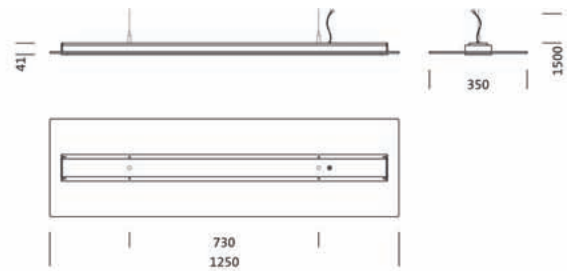
Lamps	K	R _a	lm	W	lm/W	Service life		Order No. OSRAM	Order No. Siteco
DALI									
LED	3000	> 80	5360	62	87		6.4	4050737696683	5MN238D1S003
LED	3000	> 80	4130	45	92		6.5	4050737695570	5MN238D1C003
LED	4000	> 80	5580	62	90		7.1	4050737629520	5MN238D1S
LED	4000	> 80	4300	45	96		6.5	4050737627991	5MN238D1C

with emergency light element, DALI

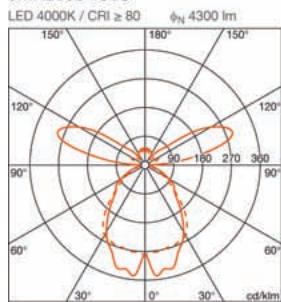
LED	3000	> 80	5360	62	87	1h	6.7	4050737696720	5MN238D1S043
LED	3000	> 80	5360	62	87	3h	6.5	4050737696768	5MN238D1S053
LED	3000	> 80	4130	45	92	1h	6.7	4050737696614	5MN238D1C043
LED	3000	> 80	4130	45	92	3h	6.7	4050737696652	5MN238D1C053
LED	4000	> 80	5550	62	90	1h	6.7	4050737696706	5MN238D1S04
LED	4000	> 80	5550	62	90	3h	6.7	4050737696744	5MN238D1S05
LED	4000	> 80	4300	45	96	1h	6.7	4050737695594	5MN238D1C04
LED	4000	> 80	4300	45	96	3h	6.7	4050737696638	5MN238D1C05

— Deckenmontage-Set bitte zusätzlich bestellen

— luminaire direct/indirect distribution (60:40) as standard; Passepartout für 100% direkt strahlende Lichtverteilung oder Passepartout für Lichtverteilung mit Deckenaufhellung (70:30) je nach Bedarf bitte zusätzlich bestellen



4050737694085
5MN238D1C0S



No. of luminaires in room
Reflection factors 70/50/20

Em(x)	100	200	500
Lh(m)	2.5	3.0	2.5
20 m²	0.9	1.0	1.7
30 m²	1.3	1.4	2.5
40 m²	1.6	1.7	3.1
50 m²	1.9	2.1	3.8
75 m²	2.8	3.0	5.6
100 m²	3.6	3.8	7.2
500 m²	16	16	32

Maintenance factor 0.8 Rh = Lh + 0.5 m

Vega® with ECG DALI
with brightness and movement sensor

Single luminaire for suspended mounting or ceiling surface mounting

- with transparent prism plate with Diamond Prism Technology, direct/indirect distribution; direct distribution or direct distribution with ceiling illumination via optional baffle

- with ECG DALI; according to version with brightness or movement sensor
- housing and flange of prism plate of aluminium, anodised; prism plate of PMMA
- protection rating: IP20
- insulation class: I
- service life: 50,000h (L90/B50)
- luminaire incl. installed connection cable, l = 1.5m

function:
Fully automatic operation with sensor-controlled ON/OFF/bright/dark, or manual operation ON/OFF/bright/dark via convenient remote control or on-site push button

- luminaire operates as master, a max. of 32 further luminaires can be switched and dimmed via two DALI outputs
- output DALI1 and DALI2 with settable dimming difference (window-corridor)
- master luminaire as 'window' luminaire, slave luminaires either as 'window' or 'corridor' luminaire

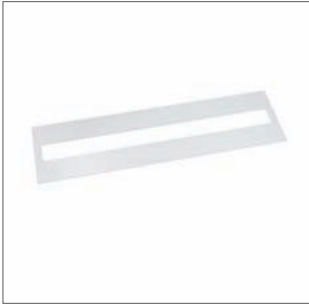


Lamps	K	R _a	lm	W	lm/W	kg	Order No. OSRAM	Order No. Siteco
master luminaire with light and motion detector								
LED	3000	> 80	5360	62	87	6.5	4050737697741	5MN238D1S0S3
LED	3000	> 80	4130	45	92	7.2	4050737697710	5MN238D1C0S3
LED	4000	> 80	5550	62	90	6.5	4050737697727	5MN238D1S0S
LED	4000	> 80	4300	45	96	6.5	4050737694085	5MN238D1C0S

slave luminaire with movement detector								
LED	3000	> 80	5360	62	87	6.5	4050737698007	5MN238D1S0M3
LED	3000	> 80	4130	45	92	6.5	4050737697963	5MN238D1C0M3
LED	4000	> 80	5550	62	90	6.5	4050737697987	5MN238D1S0M
LED	4000	> 80	4300	45	96	7.0	4050737697949	5MN238D1C0M

– Deckenmontage-Set bitte zusätzlich bestellen
– luminaire direct/indirect distribution (60:40) as standard; Passepartout für 100% direkt strahlende Lichtverteilung oder Passepartout für Lichtverteilung mit Deckenaufhellung (70:30) je nach Bedarf bitte zusätzlich bestellen

Optical accessories for Vega® luminaire



Trim for Vega® luminaire

For reducing the indirect light component to 30%, or for 100% direct light distribution | special high-reflection plastic

Product type	Order No. OSRAM	Order No. Siteco
Trim: 30% indirect component	4050737696683	5MN91401
Trim: 100% direct distribution	4050737755007	5MN91402

Mounting accessories for Vega® luminaire



Single-wire suspension for Vega® luminaire

With height adjustment to 1.4 m | wire: D = 1.2 mm | with square canopy

Product type	Order No. OSRAM	Order No. Siteco
with square canopy, grey	4050737708812	5MN91203
with square canopy, white	4050737708836	5MN91204

— without terminals, without connection cable (connection cable included in luminaire supply)



Single-wire suspension for Vega® luminaire

With height adjustment to 1.4 m | wire: D = 1.2 mm | with round canopy

Product type	Order No. OSRAM	Order No. Siteco
with round canopy, grey	4050737701257	5MN91201
with round canopy, white	4050737708492	5MN91202

— without terminals, without connection cable (connection cable included in luminaire supply)



Single-wire suspension for Vega® luminaire

With height adjustment to 1.4 m | wire: D=1.2 mm | load capacity: 12 kg | with cylindrical ceiling mounting element, nickel-plated

Product type	Order No. OSRAM	Order No. Siteco
with ceiling mounting element, nickel-plated	4050737701264	5MN91302



Ceiling mounting

For mounting the Vega® luminaire close to the ceiling | distance from ceiling: a = 56 mm | sheet steel ceiling element, light grey (RAL 7035) | with connection terminal, 5-pole, max. 2.5 mm²

Product type	Order No. OSRAM	Order No. Siteco
Ceiling mounting	4050737754963	5MN91001

— please order trim for reducing indirect light component separately

Mounting rail for Vega® luminaires



Mounting rail for Vega® luminaire

For suspended mounting | unwired | anodised aluminium | for mounting Vega® luminaires in seamless or interrupted continuous rows | length: L = 4,200 mm

Product type	Weight	Order No. OSRAM	Order No. Siteco
trunking rail	4,5 kg	4050737762609	5MN91004

— please order connectors, end caps and suspension for mounting rail separately
 — please order mounting set for fixing luminaire to rail separately



End cap for Vega® mounting rail

light grey (RAL 7035) | incl. fixing screw

Product type	PU	Order No. OSRAM	Order No. Siteco
End cap	set of 2	4050737716947	5MN91005

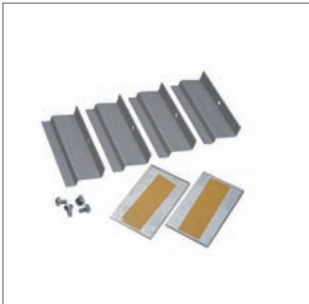


Connector for Vega® mounting rail

Galvanised steel

Product type	Order No. OSRAM	Order No. Siteco
Connector	4050737726984	5MN91002

— frictional connection, only one suspension in area of join required ($l_{a_{max}} = 25 \text{ mm}$)



Mounting set for Vega® luminaire

for fixing luminaire to mounting rail | incl. fixing screws

Product type	PU	Order No. OSRAM	Order No. Siteco
installation set	set of 4	4050737709109	5MN91006

— 4 pieces required per luminaire

Mounting rail for Vega® luminaires

The number of mounting points is determined by the number of luminaires, weight of the entire system (rail system and luminaire modules), the load capacity of the hangers and the number of joins. The max. permissible distance between two mounting points, the max. length of the unsupported rail end and the max. permissible distance to the join must not be exceeded.

— With each luminaire, one suspension point centrally above the luminaire is required:
 $l_{a_{max}} = +/- 100 \text{ mm}$

The following applies for unequipped rail sections:

- max. permissible length of unsupported rail end: $l_{max} = 0.75 \text{ m}$
- in the joint area, at least one hanger is required: $l_{a_{max}} = 0.25 \text{ m}$



Single-wire suspension for Vega® mounting rail

With height adjustment to 1.4 m | wire: $D=1.2 \text{ mm}$ | load capacity: 12 kg | incl. recessed supporting bracket concealed in rail; with square canopy on ceiling side

Product type	Order No. OSRAM	Order No. Siteco
with square canopy, grey	4050737709154	5MN91103
with square canopy, white	4050737709178	5MN91104

— without terminals, without connection cable



Single-wire suspension for Vega® mounting rail

With height adjustment to 1.4 m | wire: D=1.2 mm | load capacity: 12 kg | incl. recessed supporting bracket concealed in rail; with round canopy on ceiling side

Product type	Order No. OSRAM	Order No. Siteco
with round canopy, grey	4050737709123	5MN91101
with round canopy, white	4050737709130	5MN91102

— without terminals, without connection cable



Single-wire suspension for Vega® mounting rail

With height adjustment to 1.4 m | wire: D=1.2 mm | load capacity: 12 kg | incl. recessed supporting bracket concealed in rail; with cylindrical ceiling fixing element, nickel-plated

Product type	Order No. OSRAM	Order No. Siteco
with ceiling mounting element, nickel-plated	4050737709192	5MN91301



Supplementary wire

suitable for single-wire suspension from Vega® mounting rail | for suspension height to max. 6 m | wire: D = 1.2 mm

Product type	Length (mm)	Order No. OSRAM	Order No. Siteco
Supplementary wire	6000	4039806046079	5LP91303S

— without terminals, without connection cable



Connection cable for Vega® mounting rail

with transparent insulation | pin-end connectors at one end

Product type	Length (m)	Order No. OSRAM	Order No. Siteco
Cable 5x 0.75mm ²	2	4039806507709	5LF90006L

— incl. 4 terminals, 1-pole, max. 2.5 mm²
 — connection cable > 2 m or provide multi-core connection cable on-site



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