

PHILIPS

FlexBlend Elite



Smart



Scalable



Sustainable

interact ready.

Future ready your business with **smart office lighting**



Explore the benefits of FlexBlend



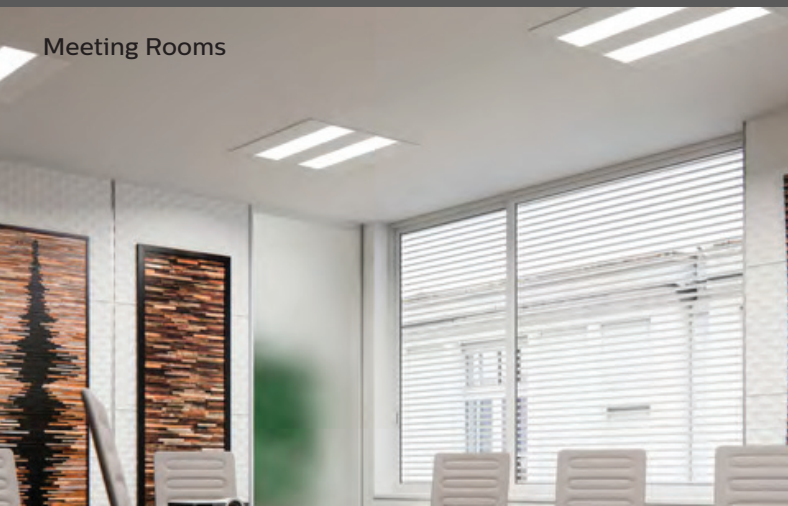
Today, next to efficiency and good payback, it's also important to ensure ceilings remain decluttered and lighting needs to offer both flexibility and compliance with norms and regulations. Offering real value for money, FlexBlend luminaires tick all these boxes.

Why choose FlexBlend?

- ✓ **Office-compliant lighting**
High-quality office-compliant lighting: Office Compliant Optics UGR <19. Minimised flickering and strobe light effects and increase visual comfort in the workplace.
- ✓ **Application flexibility**
The FlexBlend luminaire fits into every office area, from reception and corridors to open plan offices and meeting rooms. It is available in square and rectangular forms. Suitable for recessed, surface or suspended applications.
- ✓ **Adaptability in design**
This gives the possibility to install the luminaires easily in the field, at any moment. Even when today's luminaire is suspended, tomorrow this can be adapted to a surface mounted installation at the venue. And the other way around.
- ✓ **Fast return on investment**
By combining the benefits of good efficiency (up to 144 lm/W), reliability and long service time, ease of installation and maintenance, FlexBlend offers a great return on your investment.
- ✓ **Easy connection to IoT**
Lighting controls play an important part in providing complete office lighting solutions. Signify is able to offer both Wireless and Wired scalable solutions such as Dali and Zigbee connectivity. See page 7 for more information.


- Up to 144lm/W Efficacy
- L75 @ 100,000hrs
• L80 @ 70,000hrs
• L85 @ 50,000hrs
- Dali
• Connected Interact Pro
- CRI 90 / R9 >50
• COI compliant
- Surface / Suspended & Recessed mount
- Standalone or continuous line

Meeting Rooms



Breakout and Reception Areas





Different optical concepts to cover different needs

When it comes to designing office luminaires, we have one over-riding objective: the luminaires must deliver lighting of the highest possible quality.

For us, quality lighting means lighting that is fully compliant with all office norms and that delivers a comfortable working experience for office employees. Offering three optic concepts, FlexBlend luminaires deliver an above-standard quality of light for primary and secondary office areas.



Office-compliant **Polycarbonate Textured Structure (PCS)** optic has a distinctive bright line exit window appearance. With UGR <19 it meets the application requirements for all the primary office areas such as cell office, meeting room and open place office. Efficacy: lm/W up to 144.

Office-compliant **Micro Lens Optics (MLO)** has a soft sparkle exit window appearance and an outstanding look and feel. Micro Lens Optics due to their smooth light output and excellent quality of light are suitable for the most demanding application areas of every office. Efficacy: lm/W up to 105.

Non office-compliant **Opal (O)** optic has a soft gradient exit window appearance. With UGR <25 it fits in every secondary office area, such as corridors, reception and circulation areas. Efficacy: lm/W up to 125.



FlexBlend surface
mounted & FlexBlend
suspended

Full Application flexibility

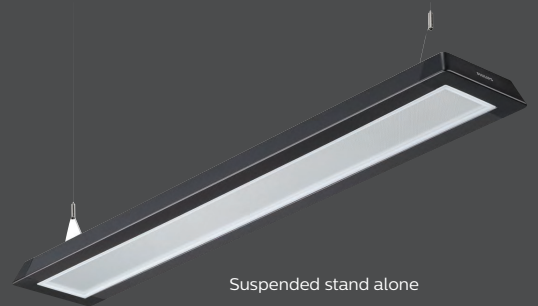
FlexBlend is offered in both linear and as standalone, using the same lighting module. This gives the option to the users to use FlexBlend as standalone now, and tomorrow as lines.



Surface mounted stand alone



Surface mounted lines



Suspended stand alone



Suspended lines

Corridor and Circulation Areas



FlexBlend recessed

Full Application flexibility

Are you looking for a square or rectangular luminaire for your workplace? Would you like to be able to use the same luminaire model in different rooms with different ceiling types? FlexBlend provides the required flexibility by being easy applied on different ceiling types as well as in different office spaces like open office or meeting rooms.



Square version



Rectangular version



Visible profile ceiling version (VPC)



Concealed profile ceiling version (CPC)



Plaster ceiling version (PCV)

Applications

FlexBlend is intended to be used in office buildings, covering more areas.

Working areas, where office compliancy is the key requirement

- Cell office
- Meeting rooms
- Offices with exposed ceilings
- Open space

Non-Working areas, where the lighting design must fit in the building design

- Reception area
- Corridors
- Circulation area



FlexBlend Suspended



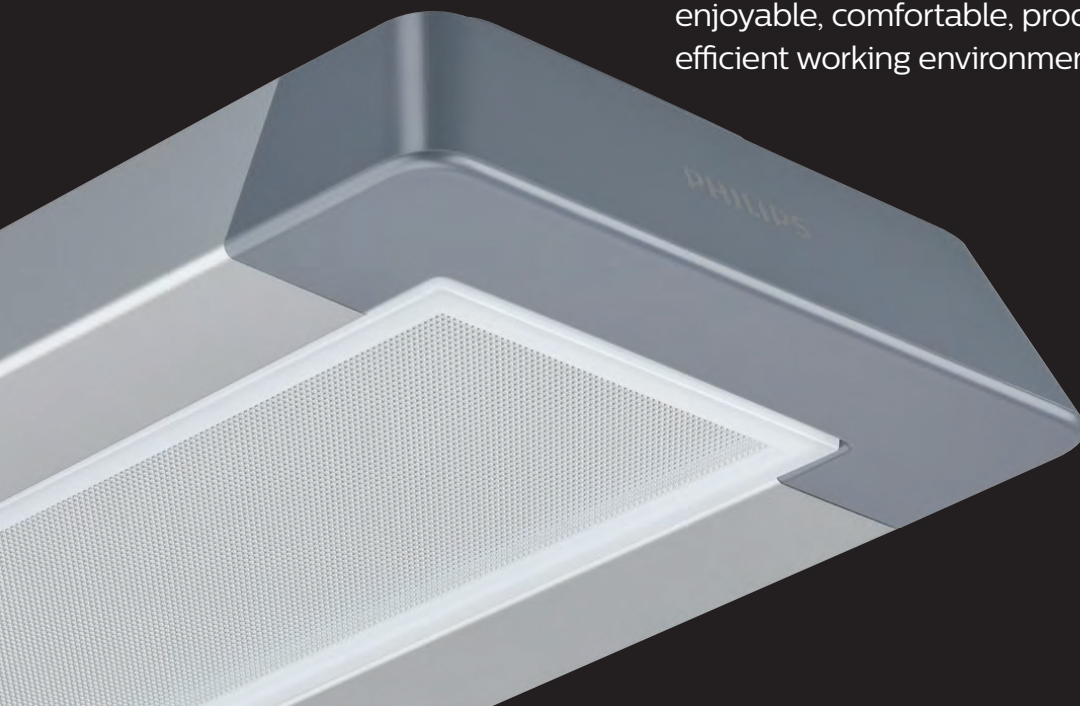
FlexBlend Surface Mounted



FlexBlend Recessed

What to consider when selecting office lighting

In some respects, office lighting is working optimally when it's not noticed. This is when it provides consistent, high quality illumination of the office without causing discomfort or any annoying or undesirable effects. Here are some aspects of office lighting that ensure a healthy, enjoyable, comfortable, productive and even cost-efficient working environment.



Constant Light Output through lifetime

Like all light sources, LED depreciates over time. When power is constant, luminaires will deliver less light at the end of their lifetime than at the start. Constant Light Output involves dimming the light at the start (and using less power) and over time increasing the power to correct for the depreciation. The result is that over the full lifetime of the LED luminaire, its light output will remain constant.

Eliminating all types of glare

The unwanted effects of overly bright light sources on desks, screens or working areas are all too commonly experienced. Office-compliant lighting is required to eliminate direct and indirect glare; elimination of overhead glare is more of a recommended feature.

Reducing flicker and stroboscopic effects

Flicker and stroboscopic effects are associated with a rapidly fluctuating light source. They may lead to undesired effects for office workers such as annoyance, fatigue, headache or reduced performance. By helping you select the right equipment and components to reduce current fluctuations, we can ensure that flicker and stroboscopic effects are kept within acceptable limits.



Control Options

Dali

A reliable Dali Driver is supplied standard with the FlexBlend luminaires to provide stable lumen output and light quality that lighting specifiers and architects demand. The dimming range is between 1-100% and the driver interfaces with DALI and Touch & Dim control systems.

Lighting control made easy with Dynalite

The Philips Dynalite control platform benefits from 30 years of experience in delivering superior lighting control solutions. Dynalite manages all DALI luminaires, Tunable White recipes to create better environments, and occupancy strategies to maximise the efficiency of workspaces. This takes place seamlessly through multiple control components and the distributed intelligence defining relationships within the system architecture. Reporting and monitoring of the network via Dynalite System Manager software not only provides insights into the operation but also DALI reporting – giving the client the necessary tools to effectively manage the intelligent building.

Tunable WHITE (Dali 208/209)

Human Centric Lighting can lead to enhanced concentration and increased productivity. When indoor lighting is matching natural circadian rhythms, this can enhance a sense of well-being, and Melanopic Light can be shown to improve sleep patterns. The CCT range is (2700°k to 6500°k). The Tunable White concepts are set to revolutionize the way we work.

interact Pro scalable system

Connectivity is everything...it is everywhere...it is the future



Interact Pro scalable system allows you to safeguard your day 1 investment and scales up easily with your growing business needs, all without reworking your luminaires.

- Truly straightforward
- No restrictions on light points or building size
- Just add a gateway anytime and unlock more capabilities
- No need to change or swap sensors

Specifications

MODEL Suspended & Surface

SP340P & SP341P Suspended (Direct) & SM340C & SM342C Surface

Type	LED21	LED28	LED36	LED42	LED26	LED35	LED45	LED52
Power (PSD)	16W	20W	26W	32W	20W	25W	32W	39W
System Lumens	2100lm	2800lm	3600lm	4200lm	2600lm	3500lm	4500lm	5200lm
System Efficacy	131lm/W	140lm/W	138lm/W	131lm/W	130lm/W	140lm/W	140lm/W	133lm/W

SP342P & SP343P Suspended (Direct-Indirect)

Type	LED28	LED36	LED48	LED52	LED35	LED45	LED60	LED66	LED70
Power (PSD)	20W	26W	36W	39W	26W	32W	46W	49W	52W
System Lumens	2100/700lm	2800/800lm	3600/1200lm	4000/1200lm	2600/900lm	3500/1000lm	4500/1500lm	5000/1600lm	5200/1800lm
System Efficacy	140lm/W	138lm/W	133lm/W	133lm/W	133lm/W	140lm/W	130lm/W	134lm/W	134lm/W
Size*	1200mm				1470mm				

MODEL Recessed

Model	RC340		
Type	LED28	LED36	LED42
System Lumens	2800lm	3600lm	4200lm
Power (PSD) OPAL	24W	31W	36W
PCS	21W	27W	32W
MLO	30W	39W	48W
System Efficacy average	112lm/W	112lm/W	108lm/W

Size * VPC (Visible Profile Ceiling) 597mmx597mm, 1197mmx297mm,1197mmx147mm

(PCV) Plaster Ceiling options available on request

GENERAL

Colour Temperature	3000K & 4000K
Mounting (suspended & surface)	Stand-alone & Continuous Line , Suspended option supplied with 1.5M drop wires and ceiling connection box
Input Voltage	220-240V
Electrical Class	I
Driver Type	PSD-Dali , WIA-Wireless, SR-System Ready
Driver Lifetime	100,000hrs
Electrical Connection	1.5m 5core pre-wired flex for Suspended option only, PIP (Push-In Connection) for Surface Mount and Recessed
Lumen Maintenance	100,000hrs L75,70,000hrs L80, 50,000hrs L85 (based on TM21 calculation)
SDCM	3
CRI	CRI90(R9 is equal to or greater than 50, Cyanosis Observation Compliant
IP Rating	IP20
UGR Rating	UGR19
Material	Steel Frame, Micro Prism front lens
Finish	White (RAL 9003) , Silver (RAL 9006) , Black RAL 9004)
Warranty	5 Years

Flicker free

Philips Office Elite Products utilise industry best LED drivers that deliver flicker¹ free performance and no stroboscopic effect².

¹ Additionally the Dali standard specifies 8 bit (256 discrete light levels) that can introduce the appearance of Flicker during transitions (dynamic dimming).

Dimming performance is improved with Elite Luminaires by the addition of further bits totalling 32,000 (15bit). These interpolated dimming levels protect against flicker artefacts during light level transitions.

² In the absence of compulsory standards Philips Lighting opted to use the accepted test methods according to IEC TR 61547-1 [1] (Flicker) and IEC TR 61547-1 [5] (Stroboscopic Effect) with the following limits: PstLM ≤ 0.5 and SVM ≤ 1.

FlexBlend recessed

Lumen package:

2800/3600/4200 lm

Efficacy and optics:

- Office-compliant PCS up to 144 lm/W
- Office-compliant MLO up to 105 lm/W
- Non Office-compliant O up to 126 lm/W

Color rendering & color temperature:

- 930 and 940
- Saturated Red (R9) >50
- Cyanosis Observation Compliant

Housing height:

- Max 65-110mm
(depends on size and connector)

Lumen maintenance:

- L75 @ 100,000hrs
(based on TM21 Calculation)

Archetypes:

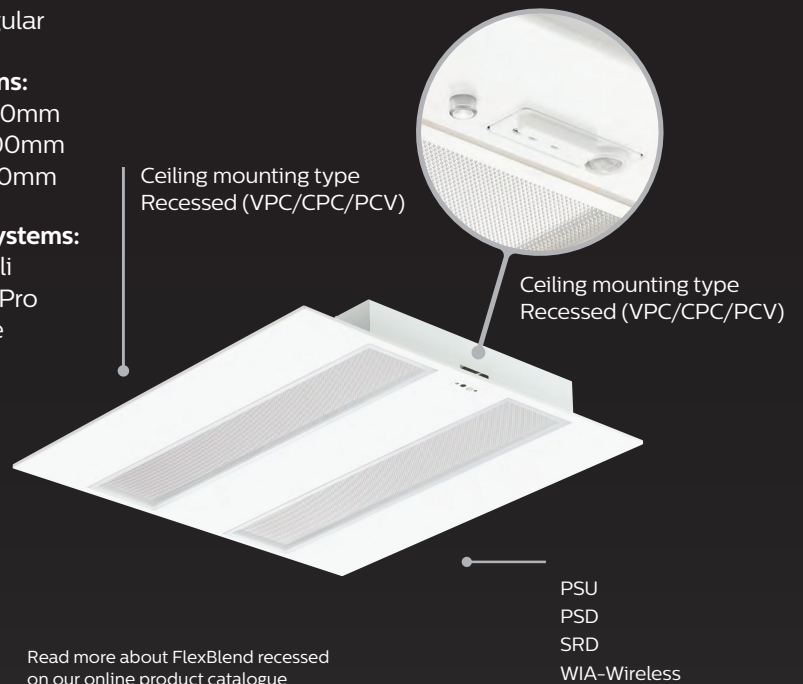
- Square
- Rectangular

Dimensions:

- 600x600mm
- 300x1200mm
- 150x1200mm

Control systems:

- PSD-Dali
- Interact Pro Scalable



FlexBlend surface mounted

Lumen package:

- For 1.2m variant:
2100/ 2800/ 3600/ 4000/ 4200 lm
- For 1.5m variant:
2600/ 3500/ 4500/ 5000/ 5200 lm

Efficacy and optics:

- Office-compliant PCS up to 140 lm/W
- Office-compliant MLO up to 105 lm/W
- Non Office-compliant O up to 126 lm/W

Color rendering & color temperature:

- 930 and 940
- Saturated Red (R9) >50
- Cyanosis Observation Compliant

Housing height:

- 73mm

Lumen maintenance:

- L75 @ 100,000hrs
(based on TM21 Calculation)

Dimensions:

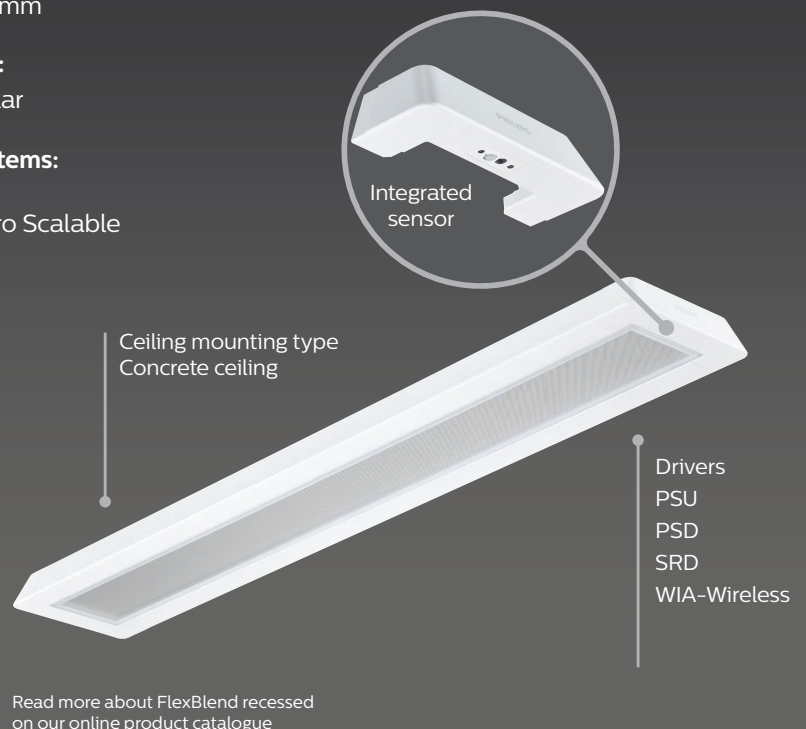
- 200X1200mm
- 200X1470mm

Archetypes:

- Rectangular

Control systems:

- Dali
- Interact Pro Scalable



FlexBlend suspended

Lumen package:

- For 1.2m variant Direct light: 2100/ 2800/ 3600/ 4000/ 4200 lm
- For 1.5m variant Direct light: 2600/ 3500/ 4500/ 5000/ 5200 lm
- For 1.2m variant Direct/ Indirect light: 2800/ 3600/ 4800/ 5200/ 5600 lm
- For 1.5m variant Direct/ Indirect light: 3500/ 4500/ 6000/ 6600/ 7000 lm

Housing height:

- 73mm

Lumen maintenance:

- L75 @ 100,000hrs (based on TM21 Calculation)

Dimensions:

- 200X1200mm
- 200X1470mm

Archetypes:

- Rectangular

Control systems:

- Dali
- Interact Pro Scalable

Efficacy and optics:

- Office-compliant PCS up to 140 lm/W
- Office-compliant MLO up to 105 lm/W
- Non Office-compliant O up to 126 lm/W

Color rendering & color temperature:

- 930 and 940 Saturated Red (R9) >50
- Cyanosis Observation Compliant



Designation of Coding

Surface & Suspended

Example of Code:

SP340P 21S/940 PSD MLO SMT L120 WH

Model	Flux (LED)	Colour Temp	Driver	Optic	Embedded Controls	Suspension Set	Length	Housing Colour
Direct (SP340P) Standalone Suspended (SP341P) Line Suspended (SM340C) Standalone Surface (SM324C) Line Surface	- Dali - interact Pro Scalable	3000 (930) 4000 (940)	PSU PSD (Dali) SRD WIA-Wireless	MLO/PCS/OPAL MLO/PCS/OPAL MLO/PCS/OPAL MLO/PCS/OPAL	WIA-Wireless, SR-System Ready	SMT N/A for Surface Mount	L120 (1200mm) L150 (1500mm) L120 (1200mm) L150 (1500mm)	WH (RAL9003) BK (RAL9004) SI (RAL9006)
Direct/Indirect (SP342P) Standalone Suspended (SP343P) Line Suspended	2800 (28S) 3600 (36S) 4800 (48S) 5200 (52S) 3500 (35S) 4500 (45S) 6000(60S) 6600 (66S) 7000(70S)							

Recessed

Example of Code:

RC340B LED36S/940 SRD W60L60 VPC MLO SWZ

Model	Flux (LED)	Colour Temp	Driver	Dimension ***	Ceiling Type	Optic	Electrical Connection	Embedded Controls
(RC340B) Recessed	2800 (28S) 3600 (36S) 4000 (40S) * 4200 (42S) **	3000 (930) 4000 (940)	PSU PSD (Dali) SRD WIA-Wireless	W60L60 W30L120 W15L120	VPC (Visible Profile Ceiling) CPC (Concealed Profile Ceiling) PCV (Plaster Ceiling Variant)	MLO/PCS/OPAL	PIP (Push-In Terminals)	WIA-Wireless, SR-System Ready

* for MLO Optic

** for PCS & O Optic

*** Other Dimensions available



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