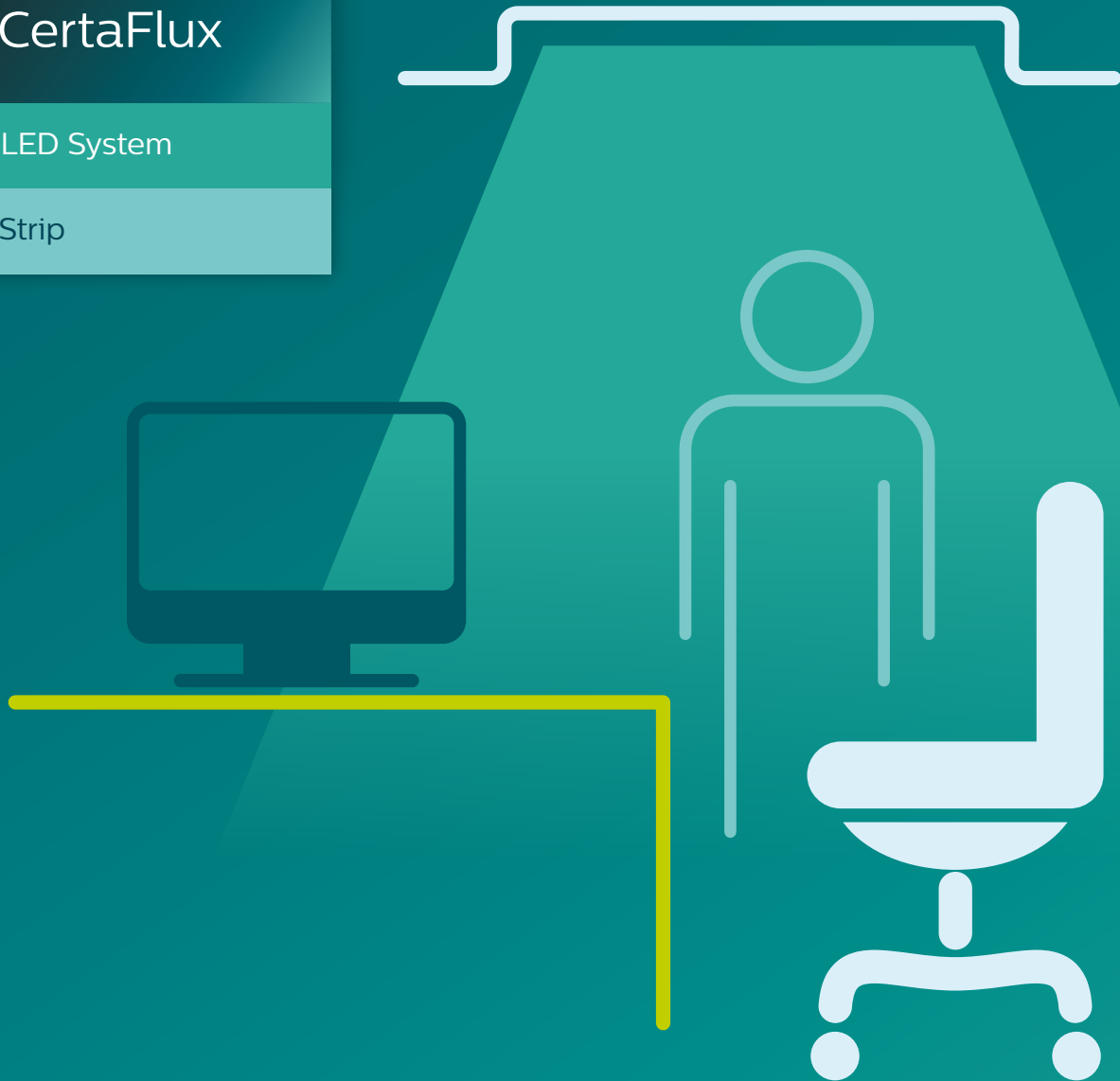


PHILIPS

CertaFlux

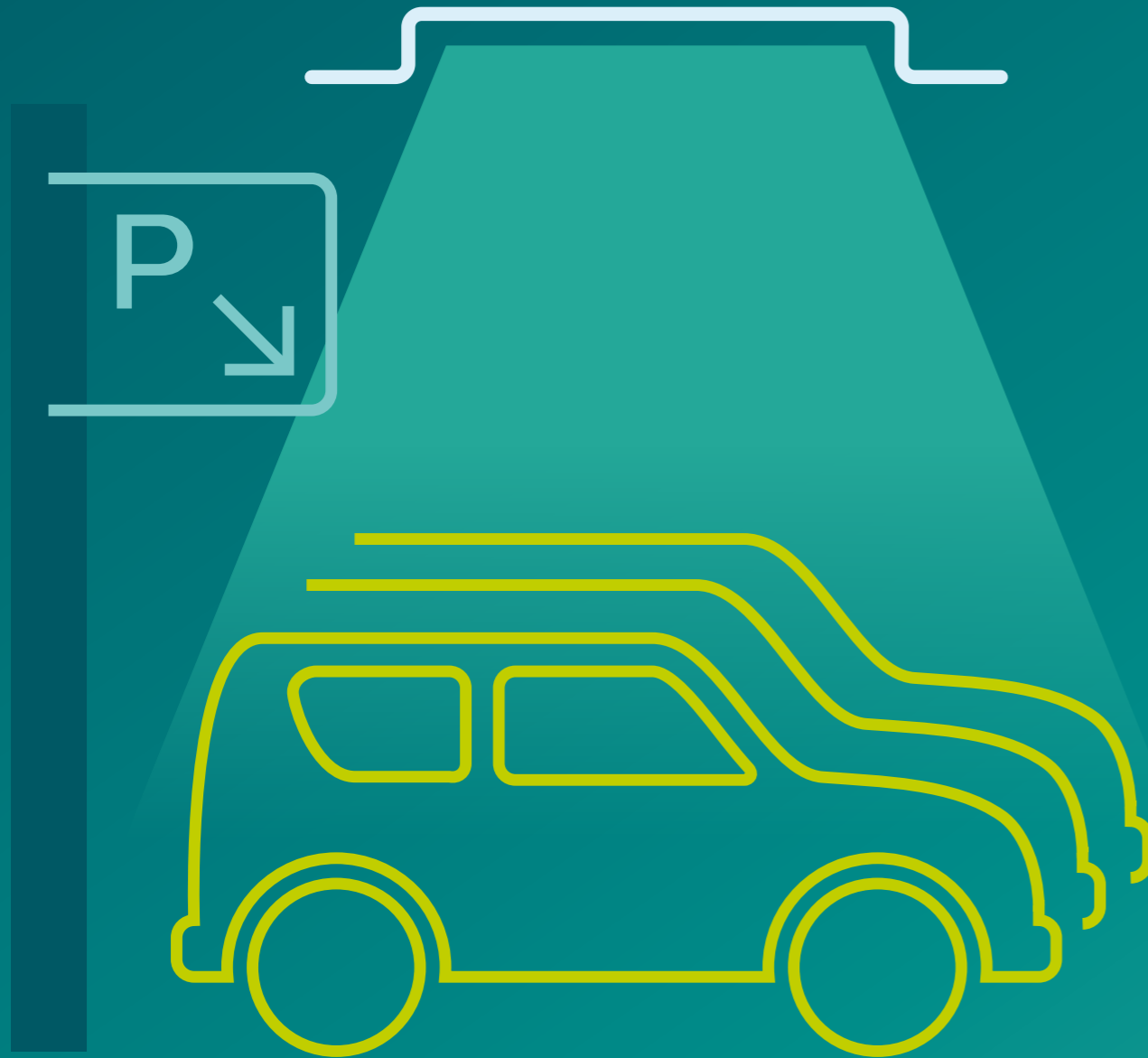
LED System

Strip



Sometimes good
can be **great**

CertaFlux LED systems are designed to enable linear LED luminaires for high volume markets



“

Fulfilling the needs of basic lighting requirements.”

Linear LED lighting has entered a phase where we have **surpassed performance of traditional fluorescent solutions**, and are still increasing performance parameters. While further improving the specification of our Fortimo range, we focus on offering the most cost efficient solution for linear LED lighting with our CertaFlux range.

CertaFlux LED Strip systems offers good product performance and functionality, with good quality of light, meeting market needs for basic lighting. These cost effective systems are completed with the CertaDrive linear LED driver portfolio, specifically designed to match the CertaFlux LED Strips and focused on lumen packages for high volume applications.

The range of system options, offers a solution for different types of luminaires from recessed and surface mounted office luminaires to trunking and profile luminaires in retail to waterproof and industrial applications.

Good quality of light

CRI >80

Color Rendering Index (CRI) is a quantitative measure of a light source's ability to reveal the colors of various objects faithfully in comparison with a natural or incandescent light source. Philips CertaFlux LED modules are specified with a minimum CRI of 80. CRI >80 is more than adequate for linear general lighting applications.

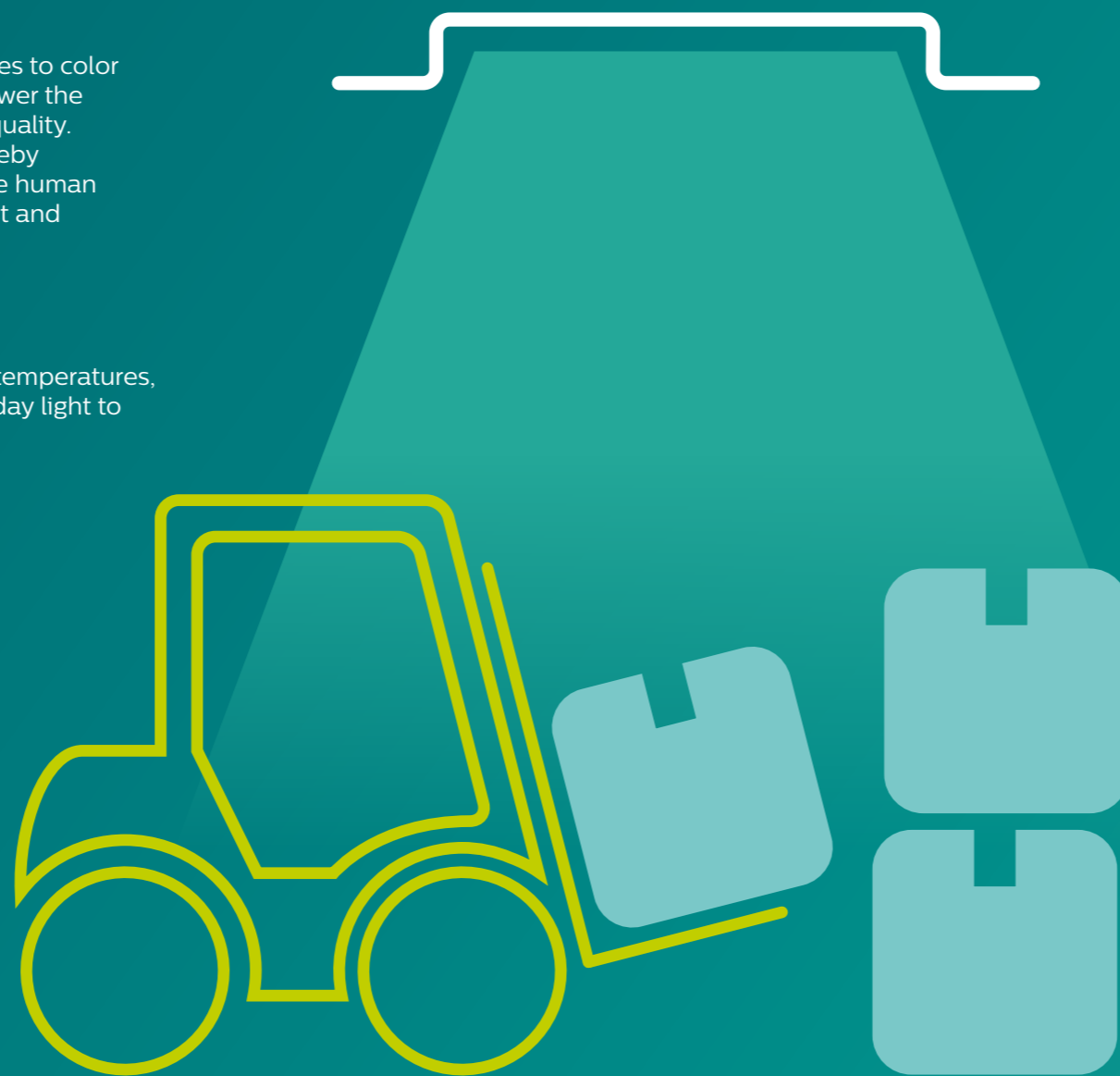
4 SDCM

Standard Deviation of Color Matching (SDCM) relates to color shift and is measured in 'MacAdam Ellipses'. The lower the number of MacAdam ellipses, the better the color quality. CertaFlux Linear LED systems deliver 4 SDCM, thereby minimizing differences in color that are visible to the human eye and maintaining the right balance between cost and performance.

CCT 3000, 4000 K and 6500 K

CertaFlux LED systems are available in three color temperatures, offering a choice of warm white, neutral white and day light to suit most applications.

- Warm white (around 3000 K)
- Neutral white (around 4000 K)
- Daylight (around 6500 K)



“

The most cost efficient solution for linear LED lighting.”

Cost effective systems

CertaDrive linear LED drivers

At Philips we believe that the LED module and driver should be designed for each other, making the system even more reliable. Our Philips system warranty ensures that in the event of a failure or malfunction you only have to contact one supplier to resolve the problem.

The cost effective CertaFlux LED systems have been completed with the non-isolated fixed current CertaDrive linear LED driver portfolio. The current and voltage of the CertaDrive Linear LED drivers are optimized to operate CertaFlux LED systems. A non-isolated system has the advantage of being more efficient and cheaper, and the driver has shorter dimensions.

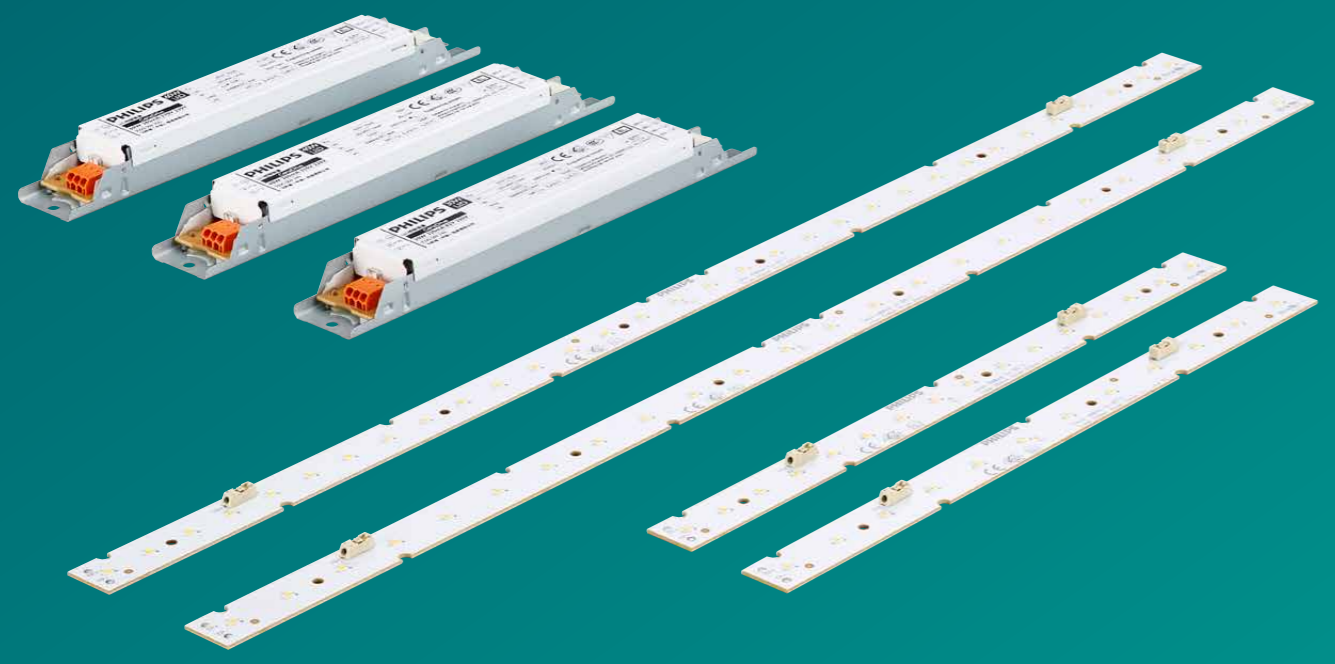
In case your application requires different setting than nominal, our Xitanium non-isolated fixed output window drivers also allow you to tune lumen output, efficacy and lifetime.

Compatibility

A CertaFlux linear LED system consists of one or multiple CertaFlux LED Strip modules and a non-isolated fixed current CertaDrive linear LED driver. It is possible to combine modules in the same luminaire. A system can be made up of a combination of 1 ft and 2 ft modules. A typical system consists of:

- A number of CertaFlux LED modules
- One CertaDrive linear LED driver
- Wires from driver to module, between modules and return end wires

CertaFlux LED Strip system



Product and ordering information

Product information (HV)

Commercial name	Order code EOC
CertaFlux LED Strip 1 ft 775 lm 830 HV2	87186964 79414 00
CertaFlux LED Strip 1 ft 775 lm 840 HV2	87186964 79438 00
CertaFlux LED Strip 1 ft 775 lm 865 HV2	87186964 79452 00
CertaFlux LED Strip 1 ft 1100 lm 830 HV2	87186964 79476 00
CertaFlux LED Strip 1 ft 1100 lm 840 HV2	87186964 79551 00
CertaFlux LED Strip 1 ft 1100 lm 865 HV2	87186964 79575 00
CertaFlux LED Strip 2 ft 1550 lm 830 HV2	87186964 79599 00
CertaFlux LED Strip 2 ft 1550 lm 840 HV2	87186964 79612 00
CertaFlux LED Strip 2 ft 1550 lm 865 HV2	87186964 79636 00
CertaFlux LED Strip 2 ft 2200 lm 830 HV2	87186964 79650 00
CertaFlux LED Strip 2 ft 2200 lm 840 HV2	87186964 79674 00
CertaFlux LED Strip 2 ft 2200 lm 865 HV2	87186964 79698 00

Key features & benefits

- LED module efficiency up to 127 lm/W
- Long life-time: >50,000 hours
- High color rendering (CRI >80)
- Color consistency of 4 SDCM
- Choice of color temperatures (3000 K, 4000 K and 6500 K)
- Wide temperature (Tc) range from -40°C to +85°C
- Push-in connectors enabling automated wiring
- Three year system warranty



“Achieve a luminaire sales price that **hits that sweet spot in market pricing.**”

Non-isolated LED system (HV)

Driver type	Commercial name	LED Strip	LED Strip	LED Strip	LED Strip	Order code
		1 ft 775 lm	1 ft 1100 lm	2 ft 1550 lm	2 ft 2200 lm	
		1R systems	1R systems	1R systems	1R systems	EOC
Fixed output	Xitanium 75W 0.12-0.4A 220V 230V	6 - 11	4 - 7	3 - 5	2, 3	87186964 40025 00
	Xitanium 36W 0.12-0.4A 115V 230V	3 - 5	2, 3	2	1	87186964 40001 00
Fixed current	CertaDrive 60W 360mA 170V 230V	-	5	4*	-	87186964 91782 00
	CertaDrive 40W 360mA 110V 230V	5*	4	-	2	87186964 91768 00
	CertaDrive 30W 330mA 82V 230V	4	-	2	-	87186964 91744 00

Note: The overview shows system configurations of the CertaFlux LED Strip modules achieving nominal lumen output. Configurations marked* will give a slightly higher-than-typical flux. Please consult the online Easy Design-in Tool for all possible system configuration, available via philips.com/technology.

