

PHILIPS

Retail display lighting

InteGrade premium white



Lighting products, brightening faces

Premium white in fashion retail shelf lighting



Superior light quality gives products their ultimate appeal

Better presentation makes fashion products look more appealing, creates the ultimate shopping experience and maximizes the impact at the point-of-purchase. The new InteGrade premium white family LED lighting takes product attractiveness to the ultimate level and stimulates the desire to shop. It is designed to maximize product attractiveness through a combination of a superior light quality, excellent light distribution and state-of-the-art efficacy.

Illumination beyond your imagination

InteGrade premium white enhances whites and delivers astonishingly lively rich colors in shelf lighting for fashion retail. This not only improves product attractiveness and enhances the shopping experience; it also brings economic and environmental benefits relating to energy consumption and cost-efficient maintenance. With premium white, you don't need to choose between light quality or energy efficiency. It offers both.

“With premium white, white is amazingly white and colors are astonishingly vivid.”



“Choose innovative lighting with the **style, flexibility and functionality** that fashion stores need to **reinforce their identity**”

Create an experience that **attracts, engages and converts.**



Superior quality of light to reinforce your brand

For fashion retailers, how customers perceive the store is an integral part of the brand image, regardless of whether a retailer aims high or attracts budget shoppers. Premium white delivers exceptional quality of light in applications where product perception is an important part of the shopping experience.

The one-shop experience

Shop lighting is fundamental in visual merchandising. One of today's trends is to combine shelf lighting with spots to generate store concepts that attract and engage customers, and convert visits to sales. InteGrade Shelf lighting can be integrated to create depth within a cabinet. It can visually enlarge the store, make it appealing and create a one-shop experience. It's an almost theatrical, three-dimensional effect

that helps attract and engage customers. We also offer Philips Fortimo SLM down- and spotlight modules with premium white. This makes it possible to create a one-shop experience with accent lighting and shelf lighting with the same unique color spectrum.

Step up to InteGrade in fashion retail

Shelf lighting enhances products' visibility and emphasizes its attractiveness, resulting in superior merchandizing at the point-of-purchase. Clothes, shoes and accessories all look more attractive thanks to amazing whites and astonishing colors. With its ultra slim design and exceptionally long lifetime, InteGrade premium white LED shelf lighting gives you superb color rendering and light where you want it. It enables you to build tailor-made lighting solutions with superior light quality for shelves.

Miniature design boosts product visibility

The slim design of InteGrade not only makes it possible for aesthetically pleasing shelf lighting, but its miniature size means greater product visibility. Attention is focused on the products while the InteGrade remains neatly out of sight.

Light where you want it

When mounted, the light sources are virtually out of sight, so they don't draw attention away from merchandize. For shelf lighting we offer optimized optics systems that ensure exceptional light distribution where it's needed. It also produces a continuous line or plane of light without undesirable hot spots, glare or reflections on the merchandize. The result is brighter, more uniform product illumination, both horizontally and vertically. Merchandize looks more appealing.

Take color rendering to the next level

The latest InteGrade gen 3 LED engines are specially formulated for superior light quality. We optimized the color spectrum to enhance white performance and render astonishing lively rich colors reaching a CRI of 93 while providing an outstanding efficacy up to 125 lumens per watt to keep energy consumption – and the cost of ownership – low. The LED technology delivers efficacy up to 125 lumens per watt to keep energy costs low.

Exceptionally long lifetime

Philips LEDs have minimal output degradation and color shift over time, so the light stays consistent throughout the long service life. Lifetime is an exceptional 50,000 hours.

The **style, flexibility and functionality** that fashion stores need to reinforce their identity

Maximum design flexibility and hassle-free installation

The ultra-thin InteGrade LED engines maximize aesthetic design flexibility and so enable a vast range of innovative systems that deliver the style and functionality that fashion stores need. Thanks to plug-and-play simplicity, continuous strips can be created by daisy-chaining different lengths. This modular approach promises an impressive choice of engine lengths, color temperatures and accessories.

Fewer components needed

The miniaturized, ultra-thin engines are easily integrated into displays and shelves. The standard engine lengths of 140, 575, 855 and 1150 mm correspond with the common sizes for most applications, reducing the number of components needed per installation. And you can assemble custom length light-lines by combining modules. Design simplicity is assured with a range of mounting profiles, mounting clips, power cables and Philips Constant

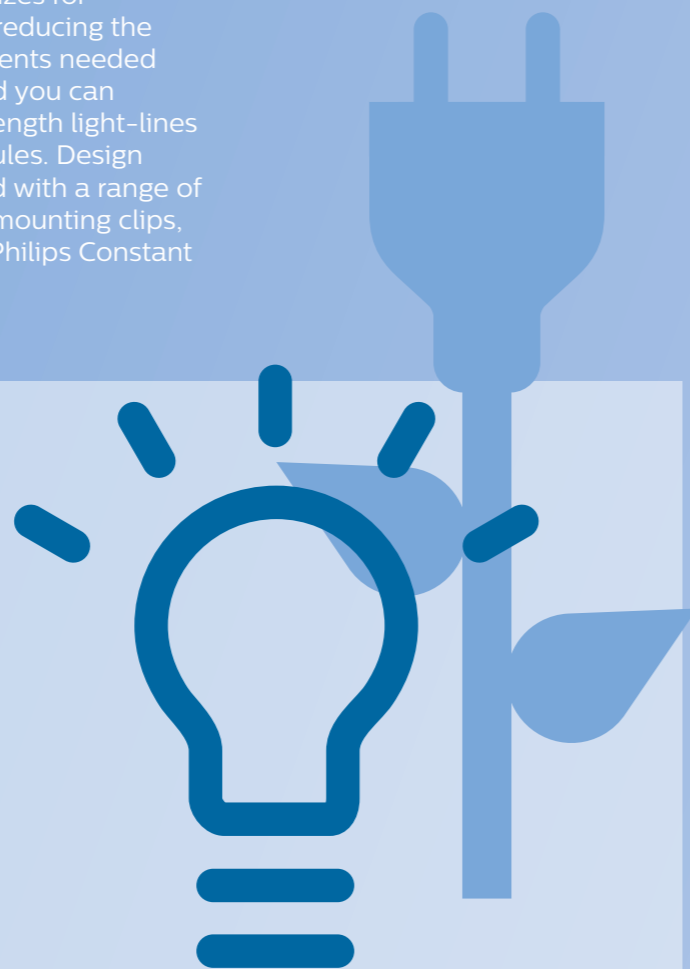
Voltage LED drivers. The accessories fit together for hassle-free installation.

Step up to LED

Don't leave darker areas where it matters most. InteGrade LEDs and optics ensure that light is uniformly distributed over the whole area.

Use Philips LED solutions in shelf application units to:

- Enhance visibility and attractiveness of products and contribute to the shopping experience.
- Meet wider corporate responsibility goals by reducing overall energy costs.
- Reduce maintenance costs thanks to longer life and fewer lamp changes.
- Shrink carbon footprint as LEDs contain no mercury or lead.





Standard modules for tailor-made solutions

InteGrade gen 3 premium white engines are available as high output 'vision' and standard 'value' types.

InteGrade gen 3 premium white for shelf lighting

Modules for shelf lighting.



Key benefits of InteGrade premium white

Breakthrough performance

- Superior light quality thanks to an optimized color spectrum for enhanced white performance, astonishingly rich colors with a CRI of 93.
- One look and feel in stores for the ultimate shopping experience when combined with premium white spot- and down lighting solutions.
- State-of-art efficacy up to 125 lumens per watt.
- Attention stays focused on the displayed products:
 - Revolutionary optics to direct the light where you want it.
 - Continuous line of light without undesirable hot spots, glare or reflections.
- Consistent light throughout an extremely long life (50,000 hours) thanks to minimal output degradation and virtually no color shift over time.

Maximum design flexibility

- Miniaturized design for aesthetic integration and focusing attention on displayed products.
- Plug and play solution with the possibility to create continuous strips by daisy chaining different engine lengths with a modular approach.
- Extensive range of engine lengths, color temperatures and accessories.

True system proposition

- System release with Philips Constant Voltage LED drivers.
- Five year system warranty.



Philips InteGrade LED products

InteGrade LED system premium white gen 3

InteGrade LED engines have been designed to match the most common application lengths, reducing the number of components needed per installation; yet maintaining the outstanding flexibility that its modular approach offers, enabling the creation of odd size lighting solutions to match every project specification.

Thanks to a range of engine lengths, fixtures, accessories like mounting profiles, mounting clips, power cables, and Philips Constant Voltage LED drivers the InteGrade LED system gen 3 offers maximum design flexibility and plug-and-play simplicity to enable a vast variety of innovative systems with style, modernity and functionality according the needs of the stores.

For shelf/cove lighting InteGrade engine value premium white gen 3 Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	(12NC)
InteGrade engine Va 140mm 930 PW G3	0,8	85	93	3000	929001567506
InteGrade engine Va 575mm 930 PW G3	3,4	380	93	3000	929001567606
InteGrade engine Va 855mm 930 PW G3	4,9	550	93	3000	929001567706
InteGrade engine Va 1150mm 930 PW G3	6,7	760	93	3000	929001567806
InteGrade engine Va 140mm 940 PW G3	0,8	90	93	4000	929001567906
InteGrade engine Va 575mm 940 PW G3	3,4	420	93	4000	929001568006
InteGrade engine Va 855mm 940 PW G3	4,9	600	93	4000	929001568106
InteGrade engine Va 1150mm 940 PW G3	6,7	840	93	4000	929001568206

* Correlated color temperature within 5 SDCM range

InteGrade engine vision premium white gen 3 Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	(12NC)
InteGrade engine Vi 140mm 930 PW G3	1,6	170	93	3000	929001568306
InteGrade engine Vi 575mm 930 PW G3	6,9	750	93	3000	929001568406
InteGrade engine Vi 855mm 930 PW G3	10,1	1090	93	3000	929001568506
InteGrade engine Vi 1150mm 930 PW G3	13,8	1500	93	3000	929001568606
InteGrade engine Vi 140mm 940 PW G3	1,6	180	93	4000	929001568706
InteGrade engine Vi 575mm 940 PW G3	6,9	800	93	4000	929001568806
InteGrade engine Vi 855mm 940 PW G3	10,1	1160	93	4000	929001568906
InteGrade engine Vi 1150mm 940 PW G3	13,8	1600	93	4000	929001569006

* Correlated color temperature within 5 SDCM range



InteGrade engine uniform beam value premium white gen 3 Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	(12NC)
InteGrade engine UB Va 855mm 930 PW G3	9,6	940	93	3000	929001626606
InteGrade engine UB Va 1150mm 930 PW G3	12,8	1250	93	3000	929001626806
InteGrade engine UB Va 855mm 940 PW G3	9,6	1025	93	4000	929001626706
InteGrade engine UB Va 1150mm 940 PW G3	12,8	1350	93	4000	929001626906

* Correlated color temperature within 5 SDCM range

InteGrade engine uniform beam vision premium white gen 3 Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	(12NC)
InteGrade engine UB Vi 140mm 930 PW G3	2,5	250	93	3000	929001572506
InteGrade engine UB Vi 575mm 930 PW G3	10	1000	93	3000	929001569706
InteGrade engine UB Vi 855mm 930 PW G3	15	1500	93	3000	929001569806
InteGrade engine UB Vi 1150mm 930 PW G3	20	2000	93	3000	929001569906
InteGrade engine UB Vi 140mm 940 PW G3	2,5	280	93	4000	929001572606
InteGrade engine UB Vi 575mm 940 PW G3	10	1100	93	4000	929001570006
InteGrade engine UB Vi 855mm 940 PW G3	15	1650	93	4000	929001570106
InteGrade engine UB Vi 1150mm 940 PW G3	20	2200	93	4000	929001570206

* Correlated color temperature within 5 SDCM range

Plug and play Philips constant voltage driver list	Product code
	(12NC)
LED transformer 60W 24VDC 120V PP	929002106080
LED transformer 60W 24VDC 220-240V PP	929002106280
LED transformer 100W 24VDC 120V PP	929002106180
LED transformer 100W 24VDC 220-240V PP	929002106380
LED transformer 150W 24VDC 220-240V PP	929002106480

Non-plug and play Philips constant voltage drivers	Product code
	(12NC)
LED power driver 20W 24VDC 100-240V	929000654006
LED power driver 80W 24VDC 120-240V	929001669406
LED power driver 100W 24VDC 120-240V	929001669506
LED power driver 150W 24VDC 120-240V	929002101980
LED power driver 240W 24VDC 120-240V	929002102080
LED transformer 20W 24VDC 120-277V	929002105580
LED transformer 40W 24VDC 120-277V	929002105680
LED transformer 60W 24VDC 120-277V	929002105780
LED transformer 60W 24VDC 220-240V	913710032267
LED transformer 100W 24VDC 120-277V	929002105880
LED transformer 120W 24VDC 220-240V	913710032567
LED transformer 150W 24VDC 220-240V	929002105980
Xitanium 77W 100-277V 3.2A XI077C320V024FNS1M *	929001708113
Xitanium 100W 100-277V 4.1A XI100C410V024FNS1M*	929000771913
LED driver outdoor 100W 100-240V 24V**	929000485303
* Only for NAM region ** Only for Japan	

Accessories	Product code
	(12NC)
Clips	
InteGrade mounting clip shelf arm V2	929000957806
InteGrade engine clip shelf arm G2	929001516006
InteGrade engine mounting clip G2	929001516106
InteGrade mounting clip under shelf	929000643903
InteGrade engine clip magnetic	929001624606
InteGrade mounting clip canopy	929001571106
InteGrade engine clip mullion side	929001624506
InteGrade engine clip mullion center	929001624406
InteGrade mounting clip for T style prof	929000853213
Profiles	
InteGrade profile 875mm(34")	929000643413
InteGrade profile 1175mm(46")	929000643313
InteGrade profile 2000mm(79")	929000654413
InteGrade profile 2000mm(79") F style	929000654313
InteGrade profile 2000mm(79") L style	929000654513

InteGrade prof 2000mm(79") T style CTR	929000853013
InteGrade profile 2000mm(79") T style SD	929000853113
InteGrade profile 2356mm(93") M style	929000871313
Power cables - to connect engine to driver	
InteGrade power cable 0.7m white	929001625306
InteGrade power cable 1m(39") black	929000641014
InteGrade power cable 2.5m(98") black	929000641114
InteGrade cable 1m(39") black angle	929000644614
InteGrade cable 2.5m(98") black angle	929000644814
InteGrade power cable 1m(39") white	929000645614
InteGrade power cable 1.85m white	929001625206
InteGrade power cable 2.5m(98") white	929000644514
InteGrade cable 1m(39") white angle	929000644714
InteGrade cable 2.5m(98") white angle	929000644914
InteGrade power cable 6m white	929001624806
InteGrade spacer cable 113mm white	929001625106
InteGrade spacer cable 0.3m black	929001625006
InteGrade spacer cable 0.5m black	929000645014
InteGrade spacer cable 0.5m white	929000645114
InteGrade spacer cable M 0.7m 5.5c black	929001624706
InteGrade extension cab 1.5m(59") black	929000874413
InteGrade Y cable black	929000874313
Other accessories	
InteGrade engine lock inline	929000643713
InteGrade connector	929000959106
InteGrade magnet for M style profile	929000871413
InteGrade rotational bracket	929000874613

RDL track system	
RDL track	
RDL track 1800mm gr	929002113606
RDL track 1200mm gr	929002113706
RDL track 600mm gr	929002113806
Power cables – to connect the RDL track to the driver	
InteGrade track powercable 1.5m gr	929002113906
InteGrade track powercable 1.5m gr angle	929002114006
Track cables – to connect the engines to the RDL track	
InteGrade track cable M 0.7m gr angle	929002114106
InteGrade track cable 0.7m gr angle	929002114206
InteGrade track cable 0.3m transp angle	929002114306
InteGrade track cable 0.4m transp angle	929002114406
InteGrade track cable 0.5m transp angle	929002114506

* gr = Gray, M = Magnetic, transp = Transparent





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