

A young girl with dark hair, smiling brightly, is holding a large red bell pepper. She is wearing a light pink top. The background is a blurred grocery store aisle with shelves of products and bright lighting.

PHILIPS

Retail display
lighting

InteGrade gen 5

Lighting products, brightening faces

Philips LED lighting for retail displays



Contents

› Introduction	3
› The best lit products sell better	4
› Lighting solutions	5
› Flexibility for the perfect lighting experience	7
› Premium white	9
› InteGrade Rose	10
› Introducing high flux	12
› A solution for every chiller and freezer application	13
› Product specifications	14

InteGrade makes merchandise shine for the ultimate shopping experience

Supermarkets look for lighting solutions in their multi-decks, chillers, freezers and counters that enhance the shopping experience. Making products more attractive at the point-of-purchase helps boost sales – in both food and fashion retail. Philips InteGrade gen 5 LED lighting solutions for retail displays make merchandise really shine; products and packaging stand out. In this way, Philips helps retailers deliver the ultimate shopping experience, and at the same time, save on energy.



“ Lighting adds impact at the point-of-purchase by enhancing product visibility and attractiveness.”



The best lit products sell better

The shopping experience is evolving. Customers want to see what they're buying and enjoy the experience. In cabinets, shelves and freezers, islands and serve-overs – all require lighting that keep colors looking rich and appealing, and make whites look stunningly white. The right lighting can even make glass doors almost disappear, encouraging shoppers to reach in and take a product.



Lighting solutions for canopy, door and shelf lighting

The fourth generation InteGrade LED modules for canopy, door and shelf lighting offer you a choice of:

- Standard colors for maximum energy saving 3000, 3500, 4000, 5600, 6500K and WarmWhiteRed (WWR)
- Premium white for ultimate product attractiveness (3000 and 4000K)
- High flux for extreme product visibility

InteGrade modules are available as high output 'vision' and cost-conscious 'value' types.

Reduce energy consumption with standard colors

The InteGrade gen 5 high efficacy standard colors enable energy saving for a greener store. They have efficacy up to 137 lumens per watt and color temperatures of 3000, 3500, 4000, 5600K, 6500K plus a WarmWhiteRed (WWR) for bringing out the best in meat. The specially formulated LEDs have a CRI of 90 to really show the natural colors of the merchandise.

Superior light quality with premium white

Premium white technology enhances Ra values across the spectrum resulting in enhanced fresh whites and astonishing lively rich colors. The InteGrade gen 5 premium white modules also have a CRI of up to 95, improved color consistency with 3 SDCM and state-of-the-art efficacy of up to 137 lumens per watt.

InteGrade high flux for ultimate product visibility

The high lumen and lux level in combination with superb optics ensure InteGrade high flux delivers exceptionally uniform light distribution in combination with extreme product visibility.

One shop experience

It's also possible to create a unified look and feel in a store by using the ultra-slim modules in combination with premium white spot lighting solutions.

Canopy versions

Canopy versions of both the standard color and premium white gives light distribution aimed towards the lowest shelf thanks to breakthrough optical design. It creates a continuous line of light that doesn't have undesirable hot spots, glare or reflections. InteGrade gen 5 now enables you to use a miniaturized plug-and-play solution for canopies.



Every store strives for a perfect brand image

Stores pay careful attention to how customers perceive their brand. Image is important regardless of whether a food or fashion retailer aims high for discerning customers or wants to attract budget shoppers. To enable you to build display cabinets and shelf lighting that meet the needs of all retailers, we offer the InteGrade gen 5 LED lighting solutions available in premium white for the ultimate product attractiveness, and in standards colors for optimum energy saving.

InteGrade gen 5 takes retail lighting to the next level

With InteGrade gen 5, you can build unique lighting solutions into refrigerated cabinets, shelves, canopies and doors. The LED engines and fixtures come in a range of color temperatures; 3000, 3500, 4000, 5600K, 6500K and WarmWhiteRed (WWR) for the energy saving standard range; and 3000 and 4000K in the premium white range. The sensational premium white (PW) is specially formulated for superb rendering of whites and colors. Revolutionary integrated optics direct the light exactly where it's needed.

Make frozen and chilled merchandise look more attractive

You can dramatically improve merchandize presentation and visibility with InteGrade gen 5 LED display modules. In contrast to conventional fluorescent lighting and many currently available LED solutions that leave a darker area in the center of the door where it matters most, our specially formulated LEDs and optimized optics ensure that light is uniformly distributed over the whole area. There are no hot spots or warm-up time either.

The real cost of refrigeration lighting

Conventional fluorescent lighting generates heat, which makes extra work for refrigeration systems. In turn, low temperatures reduce the effectiveness of fluorescent lighting. The two systems work against each other, meaning more energy is required to maintain the desired light level. This is both an economical and environmental burden, since refrigeration equipment typically accounts for about half a supermarket's total electricity consumption, 25 percent of which is consumed by the cabinet lighting. LED lighting, with its cool running and high energy efficiency overcomes these drawbacks.

Use Philips LED solutions in refrigeration units to:

- Enhance product visibility and contribute to the shopping experience.
- Meet wider corporate responsibility goals by benefiting from state-of-the-art energy consumption reduction
- Reduce maintenance costs thanks to longer life, fewer lamp changes.
- Shrink carbon footprint to as LEDs contain no mercury or lead.

Flexibility for the perfect lighting experience

One portfolio, many solutions

The InteGrade gen 5 and high flux have replaced the successful InteGrade gen 4. The new expanded portfolio gives OEMs even more flexibility to select color temperature, CRI, lumen package and optics to suit specific applications. With its color rendering index (CRI) of up to 95, InteGrade provides a fantastic color experience with enhanced whites and vibrant colors. Color temperatures range from 3000 to 5600K and include premium white (PW) and WarmWhiteRed (WWR) for special applications.

Maximum design flexibility and hassle-free installation

The minaturized slim design, plug and play simplicity, wide range of engine lengths, color temperatures and accessories give you the flexibility to build a variety of innovative refrigeration systems with the modern aesthetics stores are looking for.

Fewer components per installation

The ultra-thin InteGrade LED engines and fixtures are easily integrated into shelves, door frames, mullions and canopies. Philips also offers Philips Constant Voltage LED drivers. All components come with a five-year warranty.

Design simplicity

Integrade provides standard engine and fixture lengths of 140, 575, 760, 855, 1150, 1180, 1430, 1570 and 1660 mm, to match standard application lengths. This reduces the number of components you need per installation. By combining different lengths, it's possible to illuminate every space. 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.

Light where it's needed

When mounted, the engines and fixtures are virtually out of sight, so the customer's attention remains focused on the merchandize. We have optimized optic systems for shelf, canopy and door lighting applications that ensure exceptional light distribution where it's needed. It also produces a continuous line 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.

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. Note that InteGrade LED high flux gen 5 engines are not standalone and they might need to be integrated with a heatsink for thermal management to achieve the specified lifetime. The cabinet framework can be used for heatsinking. Our design-in service is available to support you.





Key benefits of InteGrade

- Miniaturized slim design for aesthetic integration that ensures attention is focused on the displayed products.
- Enhanced whites and vivid colors thanks to premium white range with a typical CRI of up to 95 and 3 SDCM.
- Natural colors with the standard color range thanks to LED with specially formulated higher than CRI 90 LEDs.
- Revolutionary optics optimized per application to direct the light exactly where you want it.
- Uniform light distribution with narrow beam and uniform beam types for door and canopy lighting.
- Consistent light throughout an extremely long life (50,000 hours) thanks to minimal output degradation and virtually no color shift over time.
- Plug and play solution that enables a continuous line of light, without undesirable hot spots, glare or reflections.
- New mounting clips for InteGrade fixtures enable easy installation and smooth integration for full glass doors.
- State-of-the art energy consumption reduction thanks to new LED technology.

“ InteGrade helps you to build innovative refrigeration systems with the style, performance and cost effectiveness retail outlets need.”

Premium white for retail display lighting

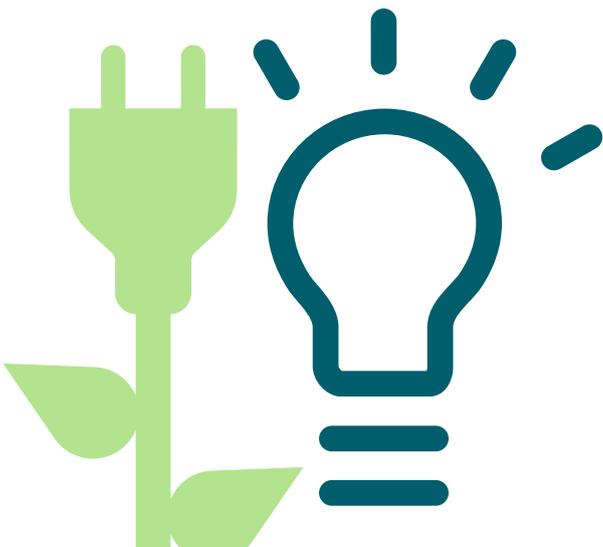
InteGrade gen 5 premium white is specially formulated for ultimate product attractiveness to create the desire of shopping. It is available shelf lighting, and with uniform beam optics for canopy lighting and narrow beam optics for vertical installation in doors.

Exceptional light quality with lower energy consumption

Premium white combines exceptional quality of light with attractive total cost of ownership. We formulated this color for lighting in food retailers, fashion retailers, hospitality and other applications where quality of light is important for the user experience. It lights up the desire of shoppers with a color spectrum optimized for enhanced white performance and astonishing lively rich colors. The state-of-the-art LED technology used for premium white delivers efficacy up to 137 lumens per watt to keep the cost of ownership low.

Consistent look-and-feel throughout the retail outlet

In addition to InteGrade premium white, we also offer Philips Fortimo SLM down- and spotlight modules with premium white for retail applications. This makes it possible for retailers to create a unified shopping experience with accent lighting and cabinet lighting in one unique color. This reinforces brand image, an important aspect for applications where quality of light is an essential part of the shopping experience.





InteGrade Rose for meat and deli lighting

Philips InteGrade Rose G5 modules are the latest addition to our Retail and Display Lighting portfolio.

After extensive research, our R&D department found that the intensity of illumination and wavelength interaction has a direct effect on the discoloration of red meat. Hence, the Fresh Food Rose LED light recipe was born - and has recently been adapted for our modules for refrigeration cabinets.

InteGrade Rose G5 has been carefully designed to interact positively with red meat by utilizing light from the optimum wavelength range in the light spectrum.



Benefits

- A tailored spectra that interacts with meat to reduce oxidation and increase the red color perception
- Up to 10% more efficient than current warm white red modules
- 40% higher red color content on the product after 48 hours' exposure¹
- Enhances visual appeal of red meat, bread, and yellow cheese
- Highly-efficient optics to maximize the light output of your lighting system
- Long lifetime: 100,000 hours
- A smart design with high-quality InteGrade 5 materials
- Maximum design flexibility with an extensive range of engine lengths
- Fully compatible with InteGrade G5 accessories

The high quality and unique benefits of InteGrade Rose G5 modules are backed up by a series of independent experiments performed at the following highly-regarded institutions:

- Philips Research, NL
- Fraunhofer Institute, DE
- Centro Nacional de Tecnología y Seguridad Alimentaria (CNTA), ES

¹ Red color factor content is 40% higher in meat products (Berliner sausage) using InteGrade Rose at 48 hours' exposure compared with WWR, warm white red, modules. Study performed by Fraunhofer Institute.





Introducing high flux for refrigerated display lighting

InteGrade gen 5 high flux is designed for ultimate product visibility to let merchandize shine even through the glass door.

Breathtaking performance

InteGrade high flux LED engines are suitable for chillers with doors and canopy lighting. The high lumen and lux levels in combination with superb optics ensure they have exceptionally uniform light distribution, and deliver a continuous line of light without undesirable hot spots, glare or reflections. InteGrade high flux is now available in premium white to give you the best of both worlds: takes product attractiveness and product

visibility to the ultimate level, and stimulate the desire to buy. The superb lumen performance and high lux levels grab the customer's attention even when products are behind glass door. In fact, the light helps make the doors less visible, which is known to be a subconscious barrier for shoppers.

A solution for every chiller and freezer application

Shelf lighting

For horizontally integrated modules for shelf lighting in open and closed cabinets, choose from:

- InteGrade gen 5 (standard color range or premium white range)

Lighting in chillers with doors

The narrow beam versions have extremely small dimensions for integration into doors and mullions where there is limited space to place a lighting solution. The unique optical system directs the light precisely where you want it, thus making optimum use of the light and energy. The modules are suitable for vertically integrated lighting in chillers. Choose from:

- InteGrade narrow beam gen 5 (standard color range or premium white range)
- InteGrade high flux gen 5 (standard color range or premium white range)
- InteGrade fixtures gen 5 (standard color range or premium white range)

Canopy lighting

The high flux and uniform beam modules provide uniform illumination over the full height of cabinet from the canopy. Choose from:

Choose from:

- InteGrade uniform beam gen 5 (standard color range or premium white range)
- InteGrade high flux gen 5 (standard color range or premium white range)



Philips InteGrade LED products

InteGrade LED system gen 5 (premium white range)

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 5 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 lighting InteGrade engine value premium white gen 5 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine Va 140mm 930 PW G5	0,7	81		94	3000	929003980706
InteGrade engine Va 575mm 930 PW G5	3,0	370		94	3000	929003980906
InteGrade engine Va 760mm 930 PW G5	4,0	479		94	3000	929003986706
InteGrade engine Va 855mm 930 PW G5	4,4	531		94	3000	929003981106
InteGrade engine Va 1150mm 930 PW G5	6,0	739		94	3000	929003981306
InteGrade engine Va 140mm 940 PW G5	0,7	86		95	4000	929003980806
InteGrade engine Va 575mm 940 PW G5	3,0	396		95	4000	929003981006
InteGrade engine Va 760mm 940 PW G5	4,0	513		95	4000	929003986606
InteGrade engine Va 855mm 940 PW G5	4,4	569		95	4000	929003981206
InteGrade engine Va 1150mm 940 PW G5	6,0	792		95	4000	929003981406
InteGrade engine Va 1150mm 940 PW G5 HFR	5,8	769		95	4000	929003985606

* Correlated color temperature within 3 SDCM range

InteGrade engine vision premium white gen 5 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine Vi 140mm 930 PW G5	1,5	171		94	3000	929003981506
InteGrade engine Vi 575mm 930 PW G5	6,1	732		94	3000	929003981706
InteGrade engine Vi 855mm 930 PW G5	9,1	1073		94	3000	929003981906
InteGrade engine Vi 1150mm 930 PW G5	12,2	1463		94	3000	929003982106
InteGrade engine Vi 140mm 940 PW G5	1,5	183		95	4000	929003981606
InteGrade engine Vi 575mm 940 PW G5	6,1	784		95	4000	929003981806
InteGrade engine Vi 855mm 940 PW G5	9,1	1150		95	4000	929003982006
InteGrade engine Vi 1150mm 940 PW G5	12,2	1568		95	4000	929003982206

* Correlated color temperature within 3 SDCM range

For canopy lighting
InteGrade engine uniform beam value premium white gen 5
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine UB Va 855mm 930 PW G5	7,2	810		94	3000	929003983306
InteGrade engine UB Va 1150mm 930 PW G5	9,6	1090		94	3000	929003983506
InteGrade engine UB Va 855mm 940 PW G5	7,2	868		95	4000	929003983406
InteGrade engine UB Va 1150mm 940 PW G5	9,6	1167		95	4000	929003983606
InteGrade engine UB Va 1150mm 940 PW G5 HFR	7,6	932		95	4000	929003985506

* Correlated color temperature within 3 SDCM range

InteGrade engine uniform beam vision premium white gen 5
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine UB Vi 140mm 930 PW G5	2,1	226		94	3000	929003983706
InteGrade engine UB Vi 575mm 930 PW G5	8,1	885		94	3000	929003983906
InteGrade engine UB Vi 760mm 930 PW G5	10,6	1161		94	3000	929003987306
InteGrade engine UB Vi 855mm 930 PW G5	12,3	1337		94	3000	929003984106
InteGrade engine UB Vi 1150mm 930 PW G5	16,2	1769		94	3000	929003984306
InteGrade engine UB Vi 140mm 940 PW G5	2,1	243		95	4000	929003983806
InteGrade engine UB Vi 575mm 940 PW G5	8,1	948		95	4000	929003984006
InteGrade engine UB Vi 760mm 940 PW G5	10,6	1244		95	4000	929003987406
InteGrade engine UB Vi 855mm 940 PW G5	12,3	1433		95	4000	929003984206
InteGrade engine UB Vi 1150mm 940 PW G5	16,2	1895		95	4000	929003984406

* Correlated color temperature within 3 SDCM range

For chillers with doors
InteGrade engine narrow beam value premium white gen 5
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine NB Va 140mm 930 PW G5	0,9	104		94	3000	929003982306
InteGrade engine NB Va 575mm 930 PW G5	3,6	454		94	3000	929003982506
InteGrade engine NB Va 1150mm 930 PW G5	7,2	908		94	3000	929003982906
InteGrade engine NB Va 1430mm 930 PW G5	9,0	1116		94	3000	929003982706
InteGrade engine NB Va 1570mm 930 PW G5	9,9	1220		94	3000	929003983106
InteGrade engine NB Va 1660mm 930 PW G5	10,5	1313		94	3000	929003987006
InteGrade engine NB Va 140mm 940 PW G5	0,9	111		95	4000	929003982406
InteGrade engine NB Va 575mm 940 PW G5	3,6	487		95	4000	929003982606
InteGrade engine NB Va 760mm 940 PW G5	4,8	648		95	4000	929003988806
InteGrade engine NB Va 855mm 940 PW G5	5,4	709		95	4000	929003988906
InteGrade engine NB Va 1150mm 940 PW G5	7,2	973		95	4000	929003983006
InteGrade engine NB Va 1430mm 940 PW G5	9,0	1196		95	4000	929003982806
InteGrade engine NB Va 1570mm 940 PW G5	9,9	1307		95	4000	929003983206
InteGrade engine NB Va 1660mm 940 PW G5	10,5	1407		95	4000	929003987106

* Correlated color temperature within 3 SDCM range

InteGrade engine narrow beam vision premium white gen 5
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine NB Vi 140mm 930 PW G5	2,0	245		94	3000	929003984506
InteGrade engine NB Vi 575mm 930 PW G5	8,2	1004		94	3000	929003984906
InteGrade engine NB Vi 1150mm 930 PW G5	16,4	2007		94	3000	929003985106
InteGrade engine NB Vi 1430mm 930 PW G5	20,4	2497		94	3000	929003984706
InteGrade engine NB Vi 1570mm 930 PW G5	22,4	2742		94	3000	929003985306
InteGrade engine NB Vi 1660mm 930 PW G5	23,6	2905		94	3000	929003987706
InteGrade engine NB Vi 140mm 940 PW G5	2,0	262		95	4000	929003984606
InteGrade engine NB Vi 575mm 940 PW G5	8,2	1075		95	4000	929003985006
InteGrade engine NB Vi 760mm 940 PW G5	10,8	1425		95	4000	929003989506
InteGrade engine NB Vi 855mm 940 PW G5	12,2	1600		95	4000	929003989606
InteGrade engine NB Vi 1150mm 940 PW G5	16,4	2151		95	4000	929003985206
InteGrade engine NB Vi 1430mm 940 PW G5	20,4	2675		95	4000	929003984806
InteGrade engine NB Vi 1570mm 940 PW G5	22,4	2938		95	4000	929003985406
InteGrade engine NB Vi 1660mm 940 PW G5	23,6	3112		95	4000	929003987806

* Correlated color temperature within 3 SDCM range

InteGrade engine ECO value premium white gen 5

Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine ECO Va 140mm 930 PW G5	0,7	81,1		94	3000	929003990606
InteGrade engine ECO Va 575mm 930 PW G5	2,7	350,4		94	3000	929003990706
InteGrade engine ECO Va 760mm 930 PW G5	3,6	451,6		94	3000	929003990806
InteGrade engine ECO Va 855mm 930 PW G5	4,1	512,6		94	3000	929003990906
InteGrade engine ECO Va 1150mm 930 PW G5	5,4	700,8		94	3000	929003991006
InteGrade engine ECO Va 140mm 940 PW G5	0,7	86,9		95	4000	929003991106
InteGrade engine ECO Va 575mm 940 PW G5	2,7	375,5		95	4000	929003991206
InteGrade engine ECO Va 760mm 940 PW G5	3,6	483,8		95	4000	929003991306
InteGrade engine ECO Va 855mm 940 PW G5	4,1	549,3		95	4000	929003991406
InteGrade engine ECO Va 1150mm 940 PW G5	5,4	751		95	4000	929003991506

* Correlated color temperature within 3 SDCM range

For meat and deli products, canopy and chillers with doors

InteGrade engine Rose gen 5

Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature	Product code
InteGrade engine NB Va 140mm Rose G5	1,0	121	88	Rose	929003990006
InteGrade engine NB Va 575mm Rose G5	4,0	469	88	Rose	929003990106
InteGrade engine NB Va 1430mm Rose G5	10,0	1179	88	Rose	929003990206
InteGrade engine UB Vi 140mm Rose G5	1,4	141	88	Rose	929003990306
InteGrade engine UB Vi 855mm Rose G5	8,3	856	88	Rose	929003990406
InteGrade engine UB Vi 1150mm Rose G5	11,0	1146	88	Rose	929003990506
InteGrade engine Va 140mm Rose G5	0,6	64	88	Rose	929003989706
InteGrade engine Va 855mm Rose G5	3,7	415	88	Rose	929003989806
InteGrade engine Va 1150mm Rose G5	5,0	574	88	Rose	929003989906

Philips InteGrade LED products

InteGrade LED system gen 5 (standard color range)

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 5 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 lighting InteGrade engine value gen 5 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine Va 140mm 930 G5 AH	0,2	24		90	3000	929003980406
InteGrade engine Va 575mm 930 G5 AH	0,9	99		90	3000	929003980506
InteGrade engine Va 1150mm 930 G5 AH	1,8	198		90	3000	929003980606
InteGrade engine Va 140mm 956 G5	0,8	104		90	5600	929003977606
InteGrade engine Va 575mm 956 G5	3,0	410		90	5600	929003977706
InteGrade engine Va 760mm 956 G5	4,0	545		90	5600	929003986806
InteGrade engine Va 855mm 956 G5	4,6	617		90	5600	929003977806
InteGrade engine Va 1150mm 956 G5	6,0	819		90	5600	929003977906
InteGrade engine Va 140mm WWR G5	0,6	67		90		929003977206
InteGrade engine Va 575mm WWR G5	2,5	294		90		929003977306
InteGrade engine Va 760mm WWR G5	3,4	386		90		929003986906
InteGrade engine Va 855mm WWR G5	3,7	427		90		929003977406
InteGrade engine Va 1150mm WWR G5	5,0	587		90		929003977506

* Correlated color temperature within 5 SDCM range

* Color rendering for WWR is according to IES TM-30

InteGrade engine vision gen 5 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine Vi 140mm 956 G5	1,6	204		90	5600	929003978406
InteGrade engine Vi 575mm 956 G5	6,1	810		90	5600	929003978506
InteGrade engine Vi 855mm 956 G5	9,3	1218		90	5600	929003978606
InteGrade engine Vi 1150mm 956 G5	12,2	1620		90	5600	929003978706
InteGrade engine Vi 140mm WWR G5	1,3	151		90		929003978006
InteGrade engine Vi 575mm WWR G5	5,7	669		90		929003978106
InteGrade engine Vi 855mm WWR G5	8,3	971		90		929003978206
InteGrade engine Vi 1150mm WWR G5	11,4	1338		90		929003978306

* Correlated color temperature within 5 SDCM range

* Color rendering for WWR is according to IES TM-30

For canopy lighting
InteGrade engine uniform beam value gen 5
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine UB Va 855mm WWR G5	5,4	592		90		929003979606
InteGrade engine UB Va 1150mm WWR G5	7,2	796		90		929003979706

* Correlated color temperature within 5 SDCM range
 * Color rendering for WWR is according to IES TM-30

InteGrade engine uniform beam value gen 5
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine UB Vi 140mm WWR G5	1,4	149		90		929003979806
InteGrade engine UB Vi 575mm WWR G5	5,6	603		90		929003979906
InteGrade engine UB Vi 760mm WWR G5	7,4	789		90		929003987606
InteGrade engine UB Vi 855mm WWR G5	8,4	900		90		929003980006
InteGrade engine UB Vi 1150mm WWR G5	11,2	1206		90		929003980106
InteGrade engine UB Vi 760mm 956 G5	10,8	1299		90	5600	929003987506
InteGrade engine UB Vi 855mm 956 G5	12,1	1461		90	5600	929003980306
InteGrade engine UB Vi 1150mm 956 G5	16,2	1965		90	5600	929003980206

* Correlated color temperature within 5 SDCM range
 * Color rendering for WWR is according to IES TM-30

For chillers with doors
InteGrade engine narrow beam value gen 5
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine NB Va 140mm 956 G5	0,8	110		90	5600	929003979106
InteGrade engine NB Va 575mm 956 G5	3,2	440		90	5600	929003979206
InteGrade engine NB Va 1430mm 956 G5	8,0	1100		90	5600	929003979306
InteGrade engine NB Va 140mm 965 G5	0,9	117		90	6500	929003988206
InteGrade engine NB Va 1430mm 965 G5	8,6	1176		90	6500	929003988306
InteGrade engine NB Va 140mm WWR G5	1,0	116		90		929003978806
InteGrade engine NB Va 575mm WWR G5	3,8	463		90		929003978906
InteGrade engine NB Va 1150mm WWR G5	7,6	926		90		929003979406
InteGrade engine NB Va 1430mm WWR G5	9,6	1157		90		929003979006
InteGrade engine NB Va 1570mm WWR G5	10,6	1273		90		929003979506
InteGrade engine NB Va 1660mm WWR G5	11,0	1351		90		929003987206

* Correlated color temperature within 5 SDCM range
 * Color rendering for WWR is according to IES TM-30

For chillers with doors
InteGrade engine narrow beam value gen 5
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine NB Va 760mm 956 G5	4,2	587		90	5600	929003988406
InteGrade engine NB Va 855mm 956 G5	4,8	661		90	5600	929003988506
InteGrade engine NB Va 1150mm 956 G5	6,4	880		90	5600	929003988606
InteGrade engine NB Va 1570mm 956 G5	8,8	1211		90	5600	929003988706

InteGrade engine narrow beam vision gen 5
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine NB Vi 760mm 956 G5	8,8	1188		90	5600	929003989006
InteGrade engine NB Vi 855mm 956 G5	10,7	1432		90	5600	929003989106
InteGrade engine NB Vi 1150mm 956 G5	14,2	1926		90	5600	929003989206
InteGrade engine NB Vi 1430mm 956 G5	17,8	2395		90	5600	929003989306
InteGrade engine NB Vi 1570mm 956 G5	19,6	2629		90	5600	929003989406

* Correlated color temperature within 5 SDCM range

Philips InteGrade LED products

InteGrade LED system gen 4 (premium white range)

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 4 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 lighting InteGrade engine value premium white gen 4 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine Va 140mm 930 PW G4	0,77	85		93	3000	9290 021 56906
InteGrade engine Va 575mm 930 PW G4	3,26	374		93	3000	9290 021 57106
InteGrade engine Va 760mm 930 PW G4	4,34	497		93	3000	9290 021 84906
InteGrade engine Va 855mm 930 PW G4	4,80	544		93	3000	9290 021 57306
InteGrade engine Va 1150mm 930 PW G4	6,52	748		93	4000	9290 021 57506
InteGrade engine Va 140mm 940 PW G4	0,74	91		93	4000	9290 021 57006
InteGrade engine Va 575mm 940 PW G4	3,26	417		93	4000	9290 021 57206
InteGrade engine Va 760mm 940 PW G4	4,22	540		93	4000	9290 021 84806
InteGrade engine Va 855mm 940 PW G4	4,74	599		93	4000	9290 021 57406
InteGrade engine Va 1150mm 940 PW G4	6,52	834		93	4000	9290 021 57606
InteGrade engine Va 1150mm 940 PW G4 HFR	6,00	774		93	4000	9290 021 62206

* Correlated color temperature within 3 SDCM range

InteGrade engine vision premium white gen 4 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine Vi 140mm 930 PW G4	1,60	164		94	3000	9290 021 57906
InteGrade engine Vi 575mm 930 PW G4	6,90	703		94	3000	9290 021 58106
InteGrade engine Vi 855mm 930 PW G4	10,1	1030		94	3000	9290 021 58306
InteGrade engine Vi 1150mm 930 PW G4	13,8	1406		94	3000	9290 021 58506
InteGrade engine Vi 140mm 940 PW G4	1,60	183		94	4000	9290 021 58006
InteGrade engine Vi 575mm 940 PW G4	6,90	784		94	4000	9290 021 58206
InteGrade engine Vi 855mm 940 PW G4	10,1	1149		94	4000	92900 21 58406
InteGrade engine Vi 1150mm 940 PW G4	13,8	1568		94	4000	9290 021 58606

* Correlated color temperature within 3 SDCM range

For canopy lighting
InteGrade engine uniform beam value premium white gen 4
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine UB Va 855mm 930 PW G4	7,83	939	808	94	3000	9290 021 59706
InteGrade engine UB Va 1150mm 930 PW G4	10,0	1221	1050	94	3000	9290 021 59906
InteGrade engine UB Va 855mm 940 PW G4	7,78	1045	899	94	4000	9290 021 59806
InteGrade engine UB Va 1150mm 940 PW G4	9,92	1357	1167	94	4000	9290 021 60006
InteGrade engine UB Va 1150mm 940 PW G4 HFR	7,96	1084	932	94	4000	9290 021 62106

* Correlated color temperature within 3 SDCM range

InteGrade engine uniform beam vision premium white gen 4
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine UB Vi 140mm 930 PW G4	2,38	252	217	94	3000	9290 021 60106
InteGrade engine UB Vi 575mm 930 PW G4	9,50	1011	869	94	3000	9290 021 60306
InteGrade engine UB Vi 760mm 930 PW G4	12,4	1316	1132	94	3000	9290 021 85606
InteGrade engine UB Vi 855mm 930 PW G4	14,3	1514	1302	94	3000	9290 021 60506
InteGrade engine UB Vi 1150mm 930 PW G4	19,0	2021	1738	94	3000	9290 021 60706
InteGrade engine UB Vi 140mm 940 PW G4	2,39	282	243	94	4000	9290 021 60206
InteGrade engine UB Vi 575mm 940 PW G4	9,29	1102	948	94	4000	9290 021 60406
InteGrade engine UB Vi 760mm 940 PW G4	12,2	1446	1244	94	4000	9290 021 85506
InteGrade engine UB Vi 855mm 940 PW G4	14,1	1667	1434	94	4000	9290 021 60606
InteGrade engine UB Vi 1150mm 940 PW G4	18,6	2205	1896	94	4000	9290 021 60806

* Correlated color temperature within 3 SDCM range

For chillers with doors
InteGrade engine narrow beam value premium white gen 4
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine NB Va 140mm 930 PW G4	1,03	111	102	95	3000	9290 021 58706
InteGrade engine NB Va 575mm 930 PW G4	4,47	503	463	95	3000	9290 021 58906
InteGrade engine NB Va 1150mm 930 PW G4	8,94	1006	926	95	3000	9290 021 59306
InteGrade engine NB Va 1430mm 930 PW G4	11,0	1228	1130	95	3000	9290 021 59106
InteGrade engine NB Va 1570mm 930 PW G4	12,0	1339	1232	95	3000	9290 0215 9506
InteGrade engine NB Va 1660mm 930 PW G4	12,8	1439	1324	95	3000	9290 021 85206
InteGrade engine NB Va 140mm 940 PW G4	1,03	121	111	95	4000	9290 021 58806
InteGrade engine NB Va 575mm 940 PW G4	4,32	529	487	95	4000	9290 021 59006
InteGrade engine NB Va 760mm 940 PW G4	5,76	704	648	95	4000	9290 028 75706
InteGrade engine NB Va 855mm 940 PW G4	6,38	770	708	95	4000	9290 028 75806
InteGrade engine NB Va 1150mm 940 PW G4	8,64	1057	972	95	4000	9290 021 59406
InteGrade engine NB Va 1430mm 940 PW G4	10,7	1299	1195	95	4000	9290 021 59206
InteGrade engine NB Va 1570mm 940 PW G4	11,7	1420	1306	95	4000	9290 021 59606
InteGrade engine NB Va 1660mm 940 PW G4	12,6	1529	1407	95	4000	9290 021 85306

* Correlated color temperature within 3 SDCM range

InteGrade engine narrow beam vision premium white gen 4
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine NB Vi 140mm 930 PW G4	2,69	262	241	95	3000	9290 021 61106
InteGrade engine NB Vi 575mm 930 PW G4	11,0	1076	990	95	3000	9290 021 61506
InteGrade engine NB Vi 1150mm 930 PW G4	21,9	2151	1979	95	3000	9290 021 61706
InteGrade engine NB Vi 1430mm 930 PW G4	27,3	2676	2462	95	3000	9290 021 61306
InteGrade engine NB Vi 1570mm 930 PW G4	30,0	2938	2703	95	3000	9290 021 61906
InteGrade engine NB Vi 140mm 940 PW G4	2,69	285	262	95	4000	9290 021 61206
InteGrade engine NB Vi 575mm 940 PW G4	11,0	1169	1075	95	4000	9290 021 61606
InteGrade engine NB Vi 760mm 940 PW G4	14,5	1549	1425	95	4000	9290 028 76406
InteGrade engine NB Vi 855mm 940 PW G4	16,3	1739	1600	95	4000	9290 028 76506
InteGrade engine NB Vi 1150mm 940 PW G4	21,9	2338	2151	95	4000	9290 021 61806
InteGrade engine NB Vi 1430mm 940 PW G4	27,3	2908	2675	95	4000	9290 021 61406
InteGrade engine NB Vi 1570mm 940 PW G4	30,0	3193	2938	95	4000	9290 021 62006

* Correlated color temperature within 3 SDCM range

InteGrade fixture narrow beam value premium white gen 4

Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade F NB Va 1180mm 930 PW SD G4	8,82	960	835	95	3000	9290 021 89206
InteGrade F NB Va 1180mm 930 PW CTR G4	17,6	1919	1670	95	3000	9290 021 89406
InteGrade F NB Va 1460mm 930 PW SD G4	11,1	1206	1049	95	3000	9290 021 88806
InteGrade F NB Va 1460mm 930 PW CTR G4	22,2	2412	2098	95	3000	9290 021 89006
InteGrade F NB Va 1600mm 930 PW SD G4	12,2	1329	1156	95	3000	9290 021 89606
InteGrade F NB Va 1600mm 930 PW CTR G4	24,4	2658	2312	95	3000	9290 021 89806
InteGrade F NB Va 1180mm 940 PW SD G4	8,82	1043	907	95	4000	9290 021 89306
InteGrade F NB Va 1180mm 940 PW CTR G4	17,6	2086	1815	95	4000	9290 021 89506
InteGrade F NB Va 1460mm 940 PW SD G4	11,0	1304	1134	95	4000	9290 021 88906
InteGrade F NB Va 1460mm 940 PW CTR G4	22,0	2608	2269	95	4000	9290 021 89106
InteGrade F NB Va 1600mm 940 PW SD G4	12,1	1434	1248	95	4000	9290 021 89706
InteGrade F NB Va 1600mm 940 PW CTR G4	24,2	2869	2496	95	4000	9290 021 89906

* Correlated color temperature within 3 SDCM range

For canopy and chillers with doors

InteGrade engine high flux premium white gen 4

Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine HF 140mm 930 PW G4	4,44	404	372	95	3000	9290 021 62306
InteGrade engine HF 575mm 930 PW G4	17,2	1594	1466	95	3000	9290 021 62506
InteGrade engine HF 760mm 930 PW G4	22,9	2115	1946	95	3000	9290 021 86206
InteGrade engine HF 1150mm 930 PW G4	34,4	3188	2933	95	3000	9290 021 62706
InteGrade engine HF 1570mm 930 PW G4	47,7	4399	4047	95	3000	9290 021 63506
InteGrade engine HF 1660mm 930 PW G4	50,2	4633	4262	95	3000	9290 021 86506
InteGrade engine HF 140mm 940 PW G4	4,06	406	374	95	4000	9290 021 62406
InteGrade engine HF 575mm 940 PW G4	15,6	1587	1460	95	4000	9290 021 62606
InteGrade engine HF 760mm 940 PW G4	20,7	2101	1933	95	4000	9290 021 86306
InteGrade engine HF 1150mm 940 PW G4	31,2	3175	2921	95	4000	9290 021 62806
InteGrade engine HF 1570mm 940 PW G4	43,4	4392	4041	95	4000	9290 021 63606
InteGrade engine HF 1660mm 940 PW G4	45,5	4607	4238	95	4000	9290 021 86606

* Correlated color temperature within 3 SDCM range

For meat and deli products, canopy and chillers with doors

InteGrade engine Rose gen 4

Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature	Product code
InteGrade engine NB Va 140mm Rose G4	1,09	131	87	Rose	929003427906
InteGrade engine NB Va 1430mm Rose G4	10,30	1281	87	Rose	929003428106
InteGrade engine NB Va 575mm Rose G4	4,06	510	87	Rose	929003428006
InteGrade engine UB Vi 1150mm Rose G4	12,90	1333	87	Rose	929003428406
InteGrade engine UB Vi 140mm Rose G4	1,59	164	87	Rose	929003428206
InteGrade engine UB Vi 855mm Rose G4	9,63	995	87	Rose	929003428306
InteGrade engine Va 1150mm Rose G4	5,40	603	87	Rose	929003427806
InteGrade engine Va 140mm Rose G4	0,64	67	87	Rose	929003427606
InteGrade engine Va 855mm Rose G4	3,96	436	87	Rose	929003427706
InteGrade F NB Va 1460mm Rose CTR G4	21,08	2560	87	Rose	929003427506
InteGrade F NB Va 1460mm Rose SD G4	10,54	1280	87	Rose	929003427406

Philips InteGrade LED products

InteGrade LED system gen 4 (standard color range)

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 4 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 lighting InteGrade engine value gen 4 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine Va 140mm 930 G4 AH	0,23	24		92	3000	929002156606
InteGrade engine Va 575mm 930 G4 AH	0,92	99		92	3000	929002156706
InteGrade engine Va 1150mm 930 G4 AH	1,84	197		92	3000	929002156806
InteGrade engine Va 140mm 956 G4	0,88	109		92	5600	929002148106
InteGrade engine Va 575mm 956 G4	3,36	431		92	5600	929002148206
InteGrade engine Va 760mm 956 G4	4,48	574		92	5600	929002185006
InteGrade engine Va 855mm 956 G4	5,12	648		92	5600	929002148306
InteGrade engine Va 1150mm 956 G4	6,72	862		92	5600	929002148406
InteGrade engine Va 140mm WWR G4	0,65	70		90		929002147706
InteGrade engine Va 575mm WWR G4	2,73	309		90		929002147806
InteGrade engine Va 760mm WWR G4	3,58	406		90		929002185106
InteGrade engine Va 855mm WWR G4	4,03	449		90		929002147906
InteGrade engine Va 1150mm WWR G4	5,46	618		90		929002148006

* Correlated color temperature within 5 SDCM range

* Color rendering for WWR is according to IES TM-30

InteGrade engine vision gen 4 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine Vi 140mm 956 G4	1,79	204		92	5600	929002149906
InteGrade engine Vi 575mm 956 G4	7,12	810		92	5600	929002150006
InteGrade engine Vi 855mm 956 G4	10,7	1218		92	5600	929002150106
InteGrade engine Vi 1150mm 956 G4	14,2	1619		92	5600	929002150206
InteGrade engine Vi 140mm WWR G4	1,48	151		90		929002149506
InteGrade engine Vi 575mm WWR G4	6,57	669		90		929002149606
InteGrade engine Vi 855mm WWR G4	9,53	971		90		929002149706
InteGrade engine Vi 1150mm WWR G4	13,1	1338		90		929002149806

* Correlated color temperature within 5 SDCM range

* Color rendering for WWR is according to IES TM-30

For canopy lighting
InteGrade engine uniform beam value gen 4
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine UB Va 855mm WWR G4	6,08	730		90		929002151906
InteGrade engine UB Va 1150mm WWR G4	7,60	926		90		929002152206

* Correlated color temperature within 5 SDCM range
 * Color rendering for WWR is according to IES TM-30

InteGrade engine uniform beam value gen 4
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine UB Vi 140mm WWR G4	1,62	173		90		929002152506
InteGrade engine UB Vi 575mm WWR G4	6,57	701		90		929002152806
InteGrade engine UB Vi 760mm WWR G4	8,60	918		90		929002185806
InteGrade engine UB Vi 855mm WWR G4	9,81	1046		90		929002153106
InteGrade engine UB Vi 1150mm WWR G4	13,1	1401		90		929002153406

* Correlated color temperature within 5 SDCM range
 * Color rendering for WWR is according to IES TM-30

For chillers with doors
InteGrade engine narrow beam value gen 4
 Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine NB Va 140mm 956 G4	0,92	120	110	90	5600	929002151206
InteGrade engine NB Va 575mm 956 G4	3,52	478	440	90	5600	929002151306
InteGrade engine NB Va 1430mm 956 G4	8,88	1196	1100	90	5600	929002151406
InteGrade engine NB Va 140mm 965 G4	1,01	127	117	90	6500	929002858906
InteGrade engine NB Va 1430mm 965 G4	9,76	1273	1171	90	6500	929002859006
InteGrade engine NB Va 140mm WWR G4	1,17	126		90		929002150906
InteGrade engine NB Va 575mm WWR G4	4,47	503		90		929002151006
InteGrade engine NB Va 1150mm WWR G4	8,94	1006		90		929002151506
InteGrade engine NB Va 1430mm WWR G4	11,3	1258		90		929002151106
InteGrade engine NB Va 1570mm WWR G4	12,5	1385		90		929002151606
InteGrade engine NB Va 1660mm WWR G4	13,1	1466		90		929002185406

* Correlated color temperature within 5 SDCM range
 * Color rendering for WWR is according to IES TM-30

InteGrade engine narrow beam vision gen 4

Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade engine NB Vi 760mm 956 G4	11,3	1357	1248	90	5600	929002875906
InteGrade engine NB Vi 855mm 956 G4	12,5	1502	1382	90	5600	929002876006
InteGrade engine NB Vi 1150mm 956 G4	16,6	2008	1847	90	5600	929002876106
InteGrade engine NB Vi 1430mm 956 G4	20,8	2505	2305	90	5600	929002876206
InteGrade engine NB Vi 1570mm 956 G4	22,9	2754	2534	90	5600	929002876306

* Correlated color temperature within 5 SDCM range

InteGrade fixture narrow beam value gen 4

Product specification



Product name	Power consumption	Lumen	Lumen within 120° cone	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	lm	CRI, typical	K	GPC
InteGrade F NB Va 1460mm 930 SD G4	10,8	1279	1113	92	3000	929002186806
InteGrade F NB Va 1460mm 930 CTR G4	21,6	2558	2225	92	3000	929002186906
InteGrade F NB Va 1460mm 940 SD G4	10,62	1356	1180	92	4000	929002187006
InteGrade F NB Va 1460mm 940 CTR G4	21,24	2712	2359	92	4000	929002187106
InteGrade F NB Va 1460mm 956 SD G4	9,42	1242	1081	92	5600	929002187406
InteGrade F NB Va 1460mm 956 CTR G4	18,84	2484	2161	92	5600	929002187506
InteGrade F NB Va 1600mm 956 CTR G4	20,8	2739	2383	92	5600	929002876606
InteGrade F NB Va 1600mm 956 SD G4	10,4	1370	1192	92	5600	929002876706
InteGrade F NB Va 1180mm WWR SD G4	9,34	1018		90		929002187606
InteGrade F NB Va 1180mm WWR CTR G4	18,68	2037		90		929002187706
InteGrade F NB Va 1460mm WWR SD G4	11,54	1259		90		929002187206
InteGrade F NB Va 1460mm WWR CTR G4	23,08	2518		90		929002187306
InteGrade F NB Va 1600mm WWR SD G4	12,64	1379		90		929002187806
InteGrade F NB Va 1600mm WWR CTR G4	25,28	2758		90		929002187906

* Correlated color temperature within 5 SDCM range

* Color rendering for WWR is according to IES TM-30

For canopy and chillers with doors

InteGrade engine narrow beam value gen 4

Product specification



Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	GPC
InteGrade engine HF 140mm WWR G4	4,14	379	90		929002162906
InteGrade engine HF 575mm WWR G4	16,2	1514	90		929002163006
InteGrade engine HF 760mm WWR G4	21,4	1990	90		929002186406
InteGrade engine HF 1150mm WWR G4	32,5	3028	90		929002163106
InteGrade engine HF 1570mm WWR G4	44,9	4166	90		929002163706
InteGrade engine HF 1660mm WWR G4	46,9	4360	90		929002186706

* Correlated color temperature within 5 SDCM range

* Color rendering for WWR is according to IES TM-30

Plug and play Philips constant voltage driver list

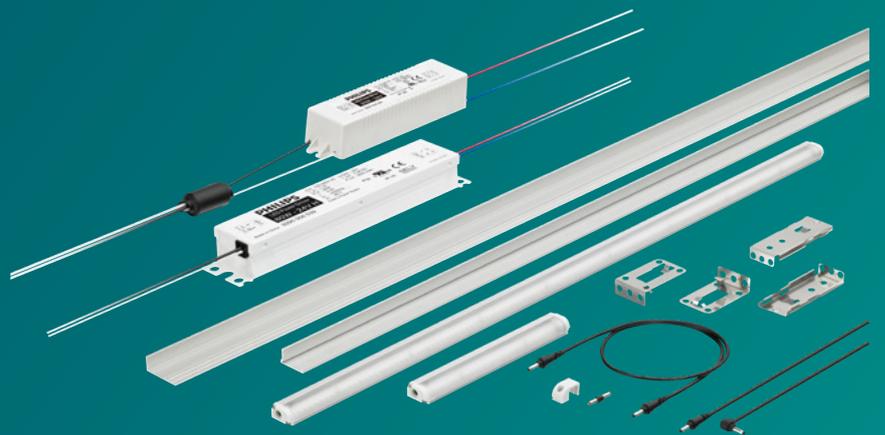
Product code

	(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 80W 24V 120V-240V	929001669406
LED Power Driver 100W 24V 120V-240V	929001669506
LED Power Driver 150W 24VDC 120-240V	929002101980
LED Power Driver 240W 24VDC 120-240V	929002102080
LED Power Driver 100u 24V 120V-277V	929003931306
LED Power Driver 80W 24V 120V-277V	929003931406



Accessories	Product code (12NC)
Clips	
InteGrade engine mounting clip G2	929001516106
InteGrade engine clip magnetic	929001624606
InteGrade mounting clip canopy	929001571106
InteGrade engine clip mullion side	929001624506
InteGrade engine clip mullion center	929001624406
InteGrade S mounting clip	929000643903
InteGrade S daisychain clip	929002132206
CertaFlux RDL clip canopy 30° surface	929001668706
CertaFlux RDL clip shelf arm	929001668906
CertaFlux RDL clip shelf magnetic	929001669006
CertaFlux RDL clip shelf front	929001668806
CertaFlux RDL clip canopy 0° surface	929001668606
Profiles	
InteGrade profile 875mm(34")	929000643413
InteGrade profile 1175mm(46")	929000643313
InteGrade profile 2000mm(79")	929002132306
InteGrade S mounting profile 900mm	929002132406
InteGrade S mounting profile 1200mm	929002199506

Accessories	Product code (12NC)
Power cables - to connect engine to driver	
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 snap-in clip for fixtures	929002199706
InteGrade screw clip T style profile and fixture	929002199806
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 spacer cable 50mm T a-a	929002182006
InteGrade spacer cable 1.0m T a-s	929002182406
InteGrade spacer cable 0.2m T s-s	929002182106
InteGrade spacer cable 1.5m T a-s	929002182506
InteGrade spacer cable 2m T a-s	929002199306
InteGrade spacer cable 2.5m T a-s	929002199406
InteGrade spacer cable 0.5m T a-s	929002182206
InteGrade power cable 5m black	929000899006
InteGrade power cable 6m white	929001624806
InteGrade power cable 6m black	929002859106
InteGrade power cable 0.7m white	929001625306
InteGrade Y cable black	929000874313

* For more information please visit the InteGrade LED System Gen 5 accessories section on the OEM technical downloads portal.

Other accessories	
InteGrade engine lock inline	929000643713
InteGrade connector	929000959106
InteGrade rotational bracket	929000874613



© 2024 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V. All other trademarks are owned by Signify Holding or their respective owners.

www.philips.com/technology