

A young girl with dark hair in pigtails is smiling brightly. She is holding a large, vibrant red bell pepper in her hands. The background is a blurred grocery store aisle with shelves of products and overhead lights.

**PHILIPS**

Retail display  
lighting

InteGrade gen 3



# Lighting products, brightening faces

Philips LED lighting for retail displays

# 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 3 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 third generation InteGrade LED modules for canopy, door and shelf lighting offer you a choice of:

- Standard colors for maximum energy saving 3000,4000,5600K and WarmWhiteRed (WWR)
- Premium white for ultimate product attractiveness (3000 and 4000K)
- High flux premium white 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 3 high efficacy standard colors enable energy saving for a greener store. They have efficacy up to 110 lumens per watt and color temperatures of 3000, 4000 and 5600K, 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 3 premium white modules also have a CRI 93 and state-of-the-art efficacy up to 125 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 premium white 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.

**New 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 gen3 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 3 LED lighting solutions available in premium white for the ultimate product attractiveness, and in standards colors for optimum energy saving.

**InteGrade gen 3 takes retail lighting to the next level**

With InteGrade gen 3, 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; 3000,4000,5600K 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.

**Frozen and chilled merchandize look more attractive**

You can dramatically improve merchandize presentation and visibility with InteGrade gen 3 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 reducing overall energy costs.
- Reduce maintenance costs thanks to longer life, fewer lamp changes.
- Shrink carbon footprint to as LEDs contain no mercury or lead.

# Flexibility for perfect lighting experience

## One portfolio, many solutions

The InteGrade gen 3 and high flux have replaced the successful InteGrade gen 2. 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 93, 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 miniaturized 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 Xitanium Constant Voltage LED power

drives. All components come with a five-year warranty.

## Design simplicity

The standard engine lengths of 140, 575, 855, 1150 and 1430 mm and InteGrade fixture length of 1500 mm correspond with the common sizes for most applications. 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 Xitanium Constant Voltage LED power 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 3 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 93.
- Natural colors with the standard color range thanks to LED with specially formulated 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.
- Continuous line of light to eliminate undesirable hot spots, glare, reflections.
- 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 gives you the possibility to use continuous strips by daisy chaining different lengths to create a variety of innovative systems with the style, modernity and functionality stores need.



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



“With premium white, I don’t need choose between light quality or energy efficiency. It offers both in one solution.”



# Premium white for retail display lighting

InteGrade gen 3 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 125 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.





## Introducing high flux for refrigerated display lighting

InteGrade gen 3 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 3 (standard color range available soon)
- InteGrade premium white gen 3

## 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 3 (standard color range available soon)
- InteGrade narrow beam premium white gen 3
- InteGrade high flux premium white gen 3

## Canopy lighting

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

- InteGrade uniform beam gen 3
- InteGrade uniform beam premium white gen 3
- InteGrade high flux premium white gen 3



# Philips InteGrade LED products

## InteGrade LED system gen 3 (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 Xitanium Constant Voltage LED power 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 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	9290 015 67506
InteGrade engine Va 575mm 930 PW G3	3,4	380	93	3000	9290 015 67606
InteGrade engine Va 855mm 930 PW G3	4,9	550	93	3000	9290 015 67706
InteGrade engine Va 1150mm 930 PW G3	6,7	760	93	3000	9290 015 67806
InteGrade engine Va 140mm 940 PW G3	0,8	90	93	4000	9290 015 67906
InteGrade engine Va 575mm 940 PW G3	3,4	420	93	4000	9290 015 68006
InteGrade engine Va 855mm 940 PW G3	4,9	600	93	4000	9290 015 68106
InteGrade engine Va 1150mm 940 PW G3	6,7	840	93	4000	9290 015 68206

\* 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	9290 015 68306
InteGrade engine Vi 575mm 930 PW G3	6,9	750	93	3000	9290 015 68406
InteGrade engine Vi 855mm 930 PW G3	10,1	1090	93	3000	9290 015 68506
InteGrade engine Vi 1150mm 930 PW G3	13,8	1500	93	3000	9290 015 68606
InteGrade engine Vi 140mm 940 PW G3	1,6	180	93	4000	9290 015 68706
InteGrade engine Vi 575mm 940 PW G3	6,9	800	93	4000	9290 015 68806
InteGrade engine Vi 855mm 940 PW G3	10,1	1160	93	4000	9290 015 68906
InteGrade engine Vi 1150mm 940 PW G3	13,8	1600	93	4000	9290 015 69006

\* Correlated color temperature within 5 SDCM range

### For canopy lighting 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	9290 015 72506
InteGrade engine UB Vi 575mm 930 PW G3	10	1000	93	3000	9290 015 69706
InteGrade engine UB Vi 855mm 930 PW G3	15	1500	93	3000	9290 015 69806
InteGrade engine UB Vi 1150mm 930 PW G3	20	2000	93	3000	9290 015 69906
InteGrade engine UB Vi 140mm 940 PW G3	2,5	280	93	4000	9290 015 72606
InteGrade engine UB Vi 575mm 940 PW G3	10	1100	93	4000	9290 015 70006
InteGrade engine UB Vi 855mm 940 PW G3	15	1650	93	4000	9290 015 70106
InteGrade engine UB Vi 1150mm 940 PW G3	20	2200	93	4000	9290 015 70206

\* Correlated color temperature within 5 SDCM range

### For chillers with doors InteGrade engine narrow 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 NB Va 140mm 930 PW G3	1	115	93	3000	9290 015 69106
InteGrade engine NB Va 575mm 930 PW G3	4,5	500	93	3000	9290 015 69206
InteGrade engine NB Va 1430mm 930 PW G3	11	1230	93	3000	9290 015 69306
InteGrade engine NB Va 140mm 940 PW G3	1	120	93	4000	9290 015 69406
InteGrade engine NB Va 575mm 940 PW G3	4,5	530	93	4000	9290 015 69506
InteGrade engine NB Va 1430mm 940 PW G3	11	1300	93	4000	9290 015 69606

\* Correlated color temperature within 5 SDCM range

### InteGrade engine narrow 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 NB Vi 140mm 930 PW G3	2,7	280	93	3000	9290 016 05406
InteGrade engine NB Vi 1430mm 930 PW G3	27,2	2850	93	3000	9290 015 71706
InteGrade engine NB Vi 140mm 940 PW G3	2,7	300	93	4000	9290 016 05506
InteGrade engine NB Vi 1430mm 940 PW G3	27,2	3100	93	4000	9290 015 71806

\* Correlated color temperature within 5 SDCM range

### InteGrade fixture narrow 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 F NB Va 1500mm 930 PW SD G3	11	1230	93	3000	9290 015 72006
InteGrade F NB Va 1500mm 930 PW CTR G3	22	2460	93	3000	9290 015 72106
InteGrade F NB Va 1500mm 940 PW SD G3	11	1300	93	4000	9290 015 72206
InteGrade F NB Va 1500mm 940 PW CTR G3	22	2600	93	4000	9290 015 72306

\* Correlated color temperature within 5 SDCM range

### InteGrade engine narrow 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 F NB Vi 1500mm 930 PW SD G3	26,2	2850	93	3000	9290 015 70306
InteGrade F NB Vi 1500mm 930 PW CTR G3	52,4	5700	93	3000	9290 015 70406
InteGrade F NB Vi 1500mm 940 PW SD G3	26,3	3100	93	4000	9290 015 70506
InteGrade F NB Vi 1500mm 940 PW CTR G3	52,6	6200	93	4000	9290 015 70606

\* Correlated color temperature within 5 SDCM range

# Philips InteGrade LED products

## InteGrade LED system gen 3 (premium white range)

### InteGrade engine narrow 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 NB Vi 140mm 930 PW G3	2,7	280	93	3000	9290 016 05406
InteGrade engine NB Vi 1430mm 930 PW G3	27,2	2850	93	3000	9290 015 71706
InteGrade engine NB Vi 140mm 940 PW G3	2,7	300	93	4000	9290 016 05506
InteGrade engine NB Vi 1430mm 940 PW G3	27,2	3100	93	4000	9290 015 71806

\* Correlated color temperature within 5 SDCM range

### InteGrade fixture narrow 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 F NB Va 1500mm 930 PW SD G3	11	1230	93	3000	9290 015 72006
InteGrade F NB Va 1500mm 930 PW CTR G3	22	2460	93	3000	9290 015 72106
InteGrade F NB Va 1500mm 940 PW SD G3	11	1300	93	4000	9290 015 72206
InteGrade F NB Va 1500mm 940 PW CTR G3	22	2600	93	4000	9290 015 72306

\* Correlated color temperature within 5 SDCM range

### InteGrade fixture narrow 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 F NB Vi 1500mm 930 PW SD G3	26,2	2850	93	3000	9290 015 70306
InteGrade F NB Vi 1500mm 930 PW CTR G3	52,4	5700	93	3000	9290 015 70406
InteGrade F NB Vi 1500mm 940 PW SD G3	26,3	3100	93	4000	9290 015 70506
InteGrade F NB Vi 1500mm 940 PW CTR G3	52,6	6200	93	4000	9290 015 70606

\* Correlated color temperature within 5 SDCM range

### For canopy and chillers with doors

#### InteGrade engine high flux 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 HF 140mm 930 PW G3	4,4	400	93	3000	9290 016 05606
InteGrade engine HF 575mm 930 PW G3	17,5	1575	93	3000	9290 016 05706
InteGrade engine HF 1150mm 930 PW G3	34,9	3150	93	3000	9290 016 05806
InteGrade engine HF 140mm 940 PW G3	4,0	400	93	4000	9290 016 05906
InteGrade engine HF 575mm 940 PW G3	16,1	1575	93	4000	9290 016 06006
InteGrade engine HF 1150mm 940 PW G3	32,2	3150	93	4000	9290 016 06106

\* Correlated color temperature within 5 SDCM range

Constant voltage drivers	Product Code
	(12NC)
Xitanium Constant Voltage LED Power Driver 20W - 24V	9290 006 54006
Xitanium Constant Voltage LED Power Driver 80W - 24V	9290 006 53906
Xitanium Constant Voltage LED Power Driver 100W 24V 100/240V	9290 014 30080
XITANIUM 100W 4.1A 24V FIX INT -Sc*	9290 007 71913
LED Driver outdoor 100W 100-240V 24V**	9290 004 85303

\* Only for NAM region

\*\* Only for Japan

Accessories	Product Code
	(12NC)
<b>Profiles</b>	
InteGrade profile 875mm(34")	9290 006 43413
InteGrade profile 1175mm(46")	9290 006 43313
InteGrade profile 2000mm(79")	9290 006 54413
InteGrade profile 2000mm(79") F style	9290 006 54313
InteGrade profile 2000mm(79") L style	9290 006 54513
InteGrade prof 2000mm(79") T style CTR	9290 008 53013
InteGrade profile 2000mm(79") T style SD	9290 008 53113
InteGrade profile 2356mm (93") M style	9290 008 71313

Power cables - to connect engine to driver

InteGrade power cable 1m(39") black	9290 006 41014
InteGrade power cable 2.5m(98") black	9290 006 41114
InteGrade cable 1m(39") black angle	9290 006 44614
InteGrade cable 2.5m(98") black angle	9290 006 44814
InteGrade power cable 1m(39") white	9290 006 45614
InteGrade power cable 2.5m(98") white	9290 006 44514
InteGrade cable 1m(39") white angle	9290 006 44714
InteGrade cable 2.5m(98") white angle	9290 006 44914
InteGrade spacer cable 0.5m black	9290 006 45014
InteGrade spacer cable 0.5m white	9290 006 45114
InteGrade extension cable 1.5m(59")black	9290 008 74413
InteGrade Y cable black	9290 008 74313

Other accessories

InteGrade mounting clip shelf arm V2	9290 009 57806
InteGrade engine clip shelf arm G2	9290 015 16006
InteGrade engine mounting clip G2	9290 015 16106
InteGrade mounting clip under shelf	9290 006 43903
InteGrade engine lock inline	9290 006 43713
InteGrade mounting clip for T style prof	9290 008 53213
InteGrade mounting clip canopy	9290 015 71106
InteGrade connector	9290 009 59106
InteGrade magnet for M style profile	9290 008 71413
InteGrade rotational bracket	9290 008 74613

## Philips InteGrade LED products

### InteGrade LED system gen 3 (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 Xitanium Constant Voltage LED power 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 to the needs of the stores.

#### Coming soon

InteGrade engine value gen 3
InteGrade engine vision gen 3
InteGrade engine narrow beam value gen 3
InteGrade engine narrow beam vision gen 3
InteGrade fixture narrow beam value gen 3
InteGrade fixture narrow beam vision gen 3

#### For canopy lighting

##### InteGrade engine uniform beam value gen 3

Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature*	Product Code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	(12NC)
InteGrade engine UB Va 855mm 930 G3	9,4	890	90	3000	9290 016 03706
InteGrade engine UB Va 1150mm 930 G3	13	1200	90	3000	9290 016 03806
InteGrade engine UB Va 855mm 940 G3	9,4	970	90	4000	9290 016 03906
InteGrade engine UB Va 1150mm 940 G3	13	1300	90	4000	9290 016 04006
InteGrade engine UB Va 855mm WWR G3	7,9	700	90		9290 016 04106
InteGrade engine UB Va 1150mm WWR G3	11	900	90		9290 016 04206

\* Correlated color temperature within 5 SDCM range

##### InteGrade engine uniform beam vision gen 3

Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature*	Product Code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	(12NC)
InteGrade engine UB Vi 140mm 930 G3	2,6	240	90	3000	9290 015 78506
InteGrade engine UB Vi 575mm 930 G3	10	950	90	3000	9290 015 78606
InteGrade engine UB Vi 855mm 930 G3	15	1450	90	3000	9290 015 78706
InteGrade engine UB Vi 1150mm 930 G3	20	1950	90	3000	9290 015 78806
InteGrade engine UB Vi 140mm 940 G3	2,6	260	90	4000	9290 015 78906
InteGrade engine UB Vi 575mm 940 G3	10	1050	90	4000	9290 015 79006
InteGrade engine UB Vi 855mm 940 G3	15	1600	90	4000	9290 015 79106
InteGrade engine UB Vi 1150mm 940 G3	20	2100	90	4000	9290 015 79206
InteGrade engine UB Vi 140mm WWR G3	1,9	175	90		9290 015 79306
InteGrade engine UB Vi 575mm WWR G3	7,5	700	90		9290 015 79406
InteGrade engine UB Vi 855mm WWR G3	11	1050	90		9290 015 79506
InteGrade engine UB Vi 1150mm WWR G3	15	1400	90		9290 015 79606

\* Correlated color temperature within 5 SDCM range

#### Constant voltage drivers

#### Product Code

	(12NC)
Xitanium Constant Voltage LED Power Driver 20W - 24V	9290 006 54006
Xitanium Constant Voltage LED Power Driver 80W - 24V	9290 006 53906
Xitanium Constant Voltage LED Power Driver 100W 24V 100/240V	9290 014 30080
XITANIUM 100W 4.1A 24V FIX INT -S*	9290 007 71913
LED Driver outdoor 100W 100-240V 24V**	9290 004 85303

\* Only for NAM region

\*\* Only for Japan

Accessories	Product Code (12NC)
<b>Profiles</b>	
InteGrade profile 875mm(34")	9290 006 43413
InteGrade profile 1175mm(46")	9290 006 43313
InteGrade profile 2000mm(79")	9290 006 54413
InteGrade profile 2000mm(79") F style	9290 006 54313
InteGrade profile 2000mm(79") L style	9290 006 54513
InteGrade prof 2000mm(79") T style CTR	9290 008 53013
InteGrade profile 2000mm(79") T style SD	9290 008 53113
InteGrade profile 2356mm (93") M style	9290 008 71313
<b>Power cables - to connect engine to driver</b>	
InteGrade power cable 1m(39") black	9290 006 41014
InteGrade power cable 2.5m(98") black	9290 006 41114
InteGrade cable 1m(39") black angle	9290 006 44614
InteGrade cable 2.5m(98") black angle	9290 006 44814
InteGrade power cable 1m(39") white	9290 006 45614
InteGrade power cable 2.5m(98") white	9290 006 44514
InteGrade cable 1m(39") white angle	9290 006 44714
InteGrade cable 2.5m(98") white angle	9290 006 44914
InteGrade spacer cable 0.5m black	9290 006 45014
InteGrade spacer cable 0.5m white	9290 006 45114
InteGrade extension cable 1.5m(59")black	9290 008 74413
InteGrade Y cable black	9290 008 74313
<b>Other accessories</b>	
InteGrade mounting clip shelf arm V2	9290 009 57806
InteGrade engine clip shelf arm G2	9290 015 16006
InteGrade engine mounting clip G2	9290 015 16106
InteGrade mounting clip under shelf	9290 006 43903
InteGrade engine lock inline	9290 006 43713
InteGrade mounting clip for T style prof	9290 008 53213
InteGrade mounting clip canopy	9290 015 71106
InteGrade connector	9290 009 59106
InteGrade magnet for M style profile	9290 008 71413
InteGrade rotational bracket	9290 008 74613



