PHILIPS

LED Systems

InteGrade Gen 2

The **perfect fit**

Compact linear LED display system

Introducing the second generation
The Gen 2 range of the successful InteGrade LED lighting system further increases your capacity to design-in accent lighting. It uses specially formulated LEDs with CRIs of 80 and 90 in a range color temperatures to preserve the merchandise's natural colors. A dedicated 'Food' LED (WWR – warm white red) can be specified for delivering outstanding color saturation while keeping the white colors white.

InteGrade Gen 2 the ideal choice for shelf and linear accent lighting

The Philips InteGrade Gen 2 LED lighting system is optimized for shelf- and linear accent lighting in refrigerated cases, cabinets and displays and other retail applications. The unique asymmetrical optics direct the light where you want it, thus making optimum use of the light and energy. The products or background you want lit will be presented uniformly, with reduced glare and dark spots. Our LEDs have minimal output degradation and color shift, so the light remains consistent throughout their long lifetime. InteGrade Gen 2 is an ideal solution for high-quality lighting without flicker or color differences. Mounting accessories, cables and LED power driver are available separately.

Key **benefits**

- **Outstanding LED light performance** for creating continuous lines of light with excellent color rendering index (CRI) up to 90. The Philips 'Food' LED color ensures outstanding color enhancement.
- **Maximum design flexibility** thanks to a range of engine lengths, narrow beam fixture, choice of mounting (profiles and clips), a variety of color temperatures and an extensive accessory range.
- **True system approach** with a wide range of driver options, lighting can be dimmed, a five year system warranty and a lifetime of 50,000 hours.

Highlights:

Exceptionally high quality white light (CRI 80 and 90)

Continue line of light to avoid undesirable reflections, glare or dark spots

Range of color temperatures from 2700 to 5600 K

Unique Philips food LED (WWR) for natural product presentation

Compatibility with constant voltage Philips LED power drivers

Compatible with first generation InteGrade accessories

The freedom to design with InteGrade Gen 2

Enhance the customer experience
For retail stores and supermarkets, Philips InteGrade Gen 2 is a sustainable and energy-efficient way to enhance the shopping experience for customers. It is perfect for refrigerated display lighting such as chiller/freezer shelf- and vertical lighting, and for retail counter-, island and dry shelf lighting. Architectural applications include museums and libraries.

Shorter installation times
The modular components fit easily together to simplify design-in and ensure hassle-free installation. The choice of new long engines, and mounting profiles gives extra freedom to design compact linear LED lighting in retail displays. Engines can be mounted without profiles using the new Gen 2 mounting clips.

Best-in-class light quality
Philips' state-of- the-art LED technology delivers best-in-class light quality, and in the InteGrade Gen 2 system, it enables continuous line of light to be created without undesirable reflections on products. The LEDs have minimal output degradation and color shift over time, so the light remains consistent throughout their long life.

Uniform presentation
The asymmetrical optics direct the light where you want it, meaning the products or the background will be uniformly presented as required. The InteGrade Gen 2 LED system produces high-quality, consistent lighting without flicker or color differences, and glare and dark spots are virtually eliminated.

Narrow beam engine
The new Narrow Beam (NB) engine is optimized for vertical and horizontal display applications like chiller and freezer islands where there's no space for larger lighting solutions.

Product specifications

Philips InteGrade Vision Gen 2

Commercial Name	Length	Color Rendering Index	Global Product Code	Order Code
	mm	CRI	GPC	EOC
InteGrade engine Vi 140mm (6'') 930 G2	140	90	929001509606	871869656929000
InteGrade engine Vi 140mm (6'') 940 G2	140	90	929001510406	871869656933700
InteGrade engine Vi 140mm (6'') 856 G2	140	80	929001510806	871869656935100
InteGrade engine Vi 140mm (6'') WWR G2	140	90	929001511006	871869656937500
InteGrade engine Vi 575mm (23'') 930 G2	575	90	929001509706	871869656963400
InteGrade engine Vi 575mm (23'') 940 G2	575	90	929001510506	871869656967200
InteGrade engine Vi 575mm (23'') 856 G2	575	80	929001510906	871869656969600
InteGrade engine Vi 575mm (23'') WWR G2	575	90	929001511106	871869656971900
InteGrade engine Vi 855mm (34'') 930 G2	855	90	929001509806	871869657053100
InteGrade engine Vi 855mm (34'') 940 G2	855	90	929001510606	871869657061600
InteGrade engine Vi 855mm (34'') WWR G2	855	90	929001511206	871869657065400
InteGrade engine Vi 1150mm (46'') 930 G2	1150	90	929001509906	871869657055500
InteGrade engine Vi 1150mm (46'') 940 G2	1150	90	929001510706	871869657063000
InteGrade engine Vi 1150mm (46'') WWR G2	1150	90	929001511306	871869657067800

Philips InteGrade Value Gen 2

Commercial Name	Length	Color Rendering Index	Global Product Code	Order Code
	mm	CRI	GPC	EOC
InteGrade engine Va 140mm (6'') 930 G2	140	90	929001513006	871869656951100
InteGrade engine Va 140mm (6'') 940 G2	140	90	929001513806	871869656955900
InteGrade engine Va 140mm (6'') 856 G2	140	80	929001517906	871869659866500
InteGrade engine Va 140mm (6'') WWR G2	140	90	929001514206	871869656957300
InteGrade engine Va 575mm (23'') 930 G2	575	90	929001513106	871869656983200
InteGrade engine Va 575mm (23'') 940 G2	575	90	929001513906	871869656987000
InteGrade engine Va 575mm (23'') 856 G2	575	80	929001518006	871869659868900
InteGrade engine Va 575mm (23'') WWR G2	575	90	929001514306	871869656989400
InteGrade engine Va 855mm (34'') 930 G2	855	90	929001513206	871869657081400
InteGrade engine Va 855mm (34'') 940 G2	855	90	929001514006	871869657089000
InteGrade engine Va 855mm (34'') WWR G2	855	90	929001514406	871869657093700
InteGrade engine Va 1150mm (46'') 930 G2	1150	90	929001513306	871869657083800
InteGrade engine Va 1150mm (46'') 940 G2	1150	90	929001514106	871869657091300
InteGrade engine Va 1150mm (46'') WWR G2	1150	90	929001514506	871869657095100

Philips InteGrade Narrow Beam Gen 2

Commercial Name	Length	Color Rendering Index	Global Product Code	Order Code
	mm	CRI	GPC	EOC
InteGrade engine NB 140mm (6'') 930 G2	140	90	929001511606	871869656941200
InteGrade engine NB 140mm (6'') 940 G2	140	90	929001512206	871869656945000
InteGrade engine NB 140mm (6'') WWR G2	140	90	929001512506	871869656947400
InteGrade engine NB 575mm (23'') 930 G2	575	90	929001511706	871869656973300
InteGrade engine NB 575mm (23'') 940 G2	575	90	929001512306	871869656977100
InteGrade engine NB 575mm (23'') WWR G2	575	90	929001512606	871869656979500
InteGrade F NB 1500mm(59") 930 CTR G2	1500	90	929001521006	871869659606700
InteGrade F NB 1500mm(59") 940 CTR G2	1500	90	929001521106	871869659608100
InteGrade F NB 1500mm(59") WWR CTR G2	1500	90	929001521206	871869659610400
InteGrade F NB 1500mm(59") 930 SD G2	1500	90	929001521306	871869659612800
InteGrade F NB 1500mm(59") 940 SD G2	1500	90	929001521406	871869659614200
InteGrade F NB 1500mm(59") WWR SD G2	1500	90	929001521506	871869659616600

Philips InteGrade Gen 2 Accessories

Commercial Name	Length	Color Rendering Index	Global Product Code	Order Code
	mm	CRI	GPC	EOC
InteGrade engine clip shelf arm G2	NA		929001516006	871869665710200
InteGrade engine mounting clip G2	NA		929001516106	871869665712600

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