PHILIPS

CertaFlux RDL

LED system

Lighting food,
brightening faces

> **Maximize attention** on the products on display."

Everything you need, nothing you don't
Discount and price-fighter retail chains focus on costs. They leverage purchasing power to deliver value, and the customer expects affordable prices and a functional shopping experience. The lighting must support this image, which is where the Philips CertaFlux RDL portfolio comes in. It has established itself as an energy-efficient way to deliver the quality of light this cost-sensitive retail sector is looking for, especially in cooler and shelf applications in food and fashion retailers, respectively.

Optimized for applications
CertaFlux RDL portfolio is optimized for standard applications lengths with options for cooler and shelf applications. A carefully-selected range of accessories is also available including mounting clips and cables.

The right quality of light
The quality of light and performance are everything a retail discounter needs. With a CRI of >80 and a lumen efficacy of up to 120 lumen per watt, CertaFlux RDL illuminates the displayed merchandise with a uniform, attractive light. What's more, the LEDs have minimal output degradation and color shift over time, so the light remains consistent throughout their long service life.

Designed for attractive merchandising
Optics provide uniform light distribution. It's ideal for canopy, shelf and vertical applications. The slim modules are easy to integrate into coolers and shelves in food and fashion retailers, respectively.

The lowest integral lighting costs
The CertaFlux RDL portfolio has three key benefits that combine to deliver the lowest integral lighting costs:

It provides the right quality of light at an **affordable initial price.**

The optimized lengths for standard applications, together with plug-and-play simplicity, enable **fast and easy assembly.**

Thanks to a reliable lifetime of 50,000 hours, it's **virtually maintenance free.** So you'll enjoy a low cost of ownership with a rapid payback time.

CertaFlux RDL
features and benefits

- Lowest Total Cost of Ownership with rapid payback times.
- Efficacy up to 120 lm/W.
- Miniaturized slim design for aesthetic integration.
- Standard lengths optimized for the application - shelf, canopy and vertical lighting.
- Plug and play simplicity for easy and fast assembly.
- Full plastic design with internal support to avoid bending over time.
- Built-in lens provides bright illumination for more attractive merchandising.
- Choice of color temperatures 3000 K, 4000 K, Meat Color.
- Natural merchandise color with specially formulated CRI >80 LEDs.
- System offer including accessories and Philips Constant Voltage LED drivers.
- Virtually maintenance-free due to long life-time >50,000 hours.
- Enhanced safety with 24 V supply (Safety Extra Low Voltage – SELV).
- Significantly improves sustainability with lower energy consumption, less waste and zero hazardous substances.

CertaFlux RDL vrt CTR WGS G1

CertaFlux RDL vrt SD WGS G1

CertaFlux RDL canopy G1

CertaFlux RDL shelf G1

CertaFlux RDL
for canopy applications

- Built-in lens provides bright, uniform illumination from the canopy over the full height of the cabinet.
- The slightly diffused optical front eliminates glare.

CertaFlux RDL canopy G1

Light distribution comparison of canopy lighting

Fluorescent tube/LED tube

CertaFlux RDL canopy

Lux

— CertaFlux RDL canopy
— Fluorescent tube/LED tube
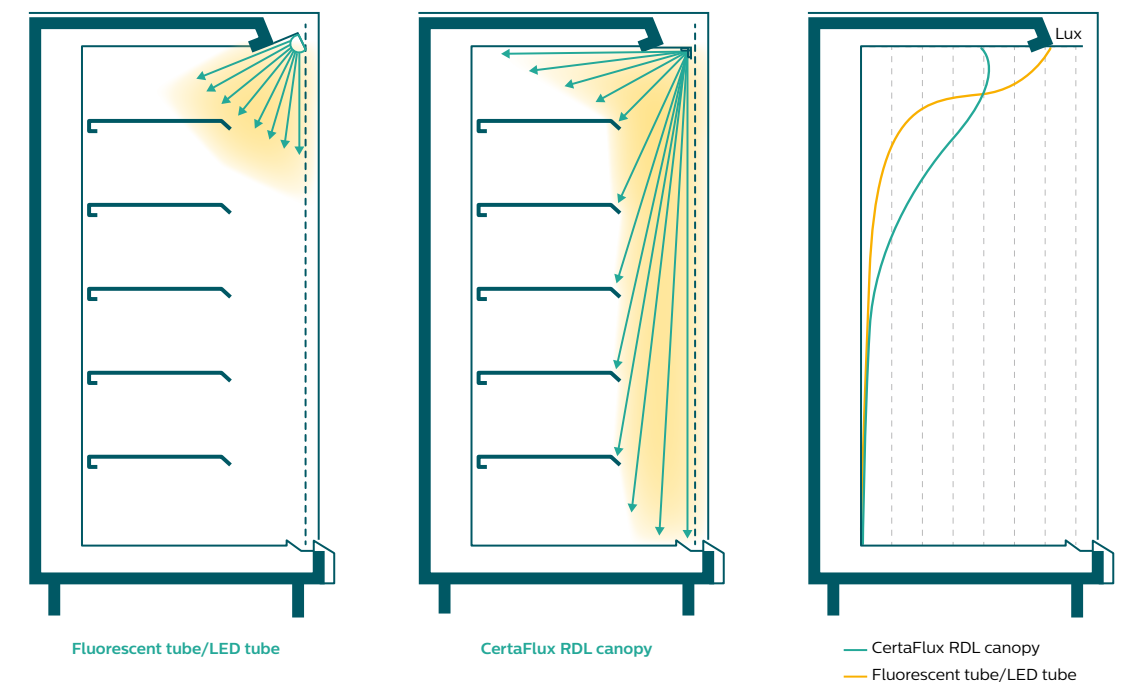
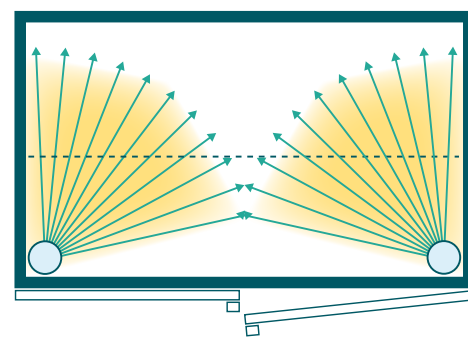# CertaFlux RDL for vertical side and center applications

- Built-in lens directs light to the center of the door for uniform light distribution.
- Glare shields are available for center and side applications.
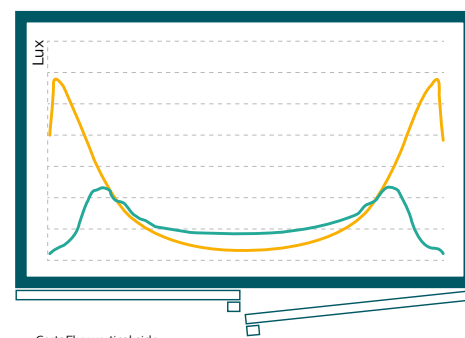
CertaFlux RDL
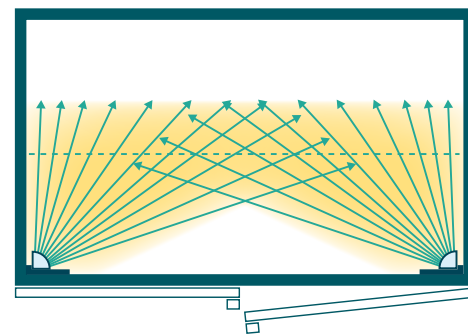vertical CTR G1

CertaFlux RDL
vertical SD G1

Light distribution comparison of vertical lighting

Lux

Fluorescent tube/LED tube

— CertaFlux vertical side
— Fluorescent tube/LED tube

CertaFlux RDL vertical

CertaFlux RDL for shelf applications

CertaFlux RDL shelf modules are designed for shelf applications in terms of lengths and performance, whereas LED tubes or fluorescent tubes do not have a dedicated shelf solution.

- Designed to improve the visibility of merchandise under the shelf.
- The slightly diffused optical front reduces glare.

CertaFlux RDL
shelf G1

Light distribution comparison of shelf lighting
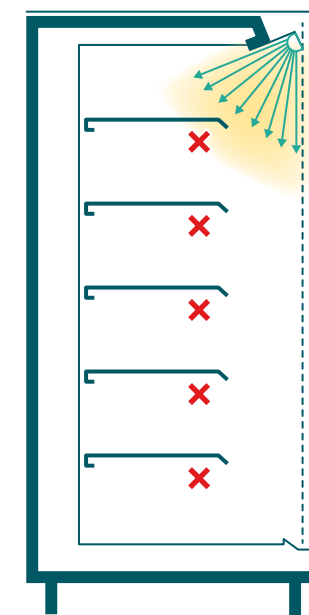
Fluorescent tube/LED tube   **CertaFlux RDL canopy**

Designed for attractive merchandising."

Philips CertaFlux RDL LED products

CertaFlux RDL LED system gen 1

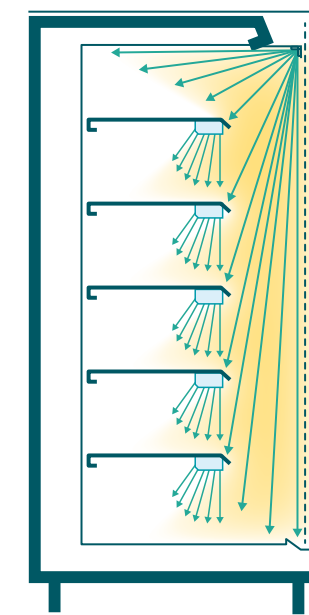**For shelf lighting**
CertaFlux RDL shelf gen 1
Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature*	Product Code
	W, typical ± 20%	lm, typical -10% +20%	CRI, min	K	(12NC)
CertaFlux RDL shelf 575mm 830 G1	3	370	80	3000	929001665006
CertaFlux RDL shelf 855mm 830 G1	4,7	550	80	3000	929001665106
CertaFlux RDL shelf 1150mm 830 G1	6,2	740	80	3000	929001665206
CertaFlux RDL shelf 575mm 835 G1	3	370	80	3500	929001665306
CertaFlux RDL shelf 855mm 835 G1	4,7	550	80	3500	929001665406
CertaFlux RDL shelf 1150mm 835 G1	6,2	740	80	3500	929001665506
CertaFlux RDL shelf 575mm 840 G1	3	370	80	4000	929001665606
CertaFlux RDL shelf 855mm 840 G1	4,7	550	80	4000	929001665706
CertaFlux RDL shelf 1150mm 840 G1	6,2	740	80	4000	929001665806
CertaFlux RDL shelf 575mm MC G1	3	278	80		929001665906
CertaFlux RDL shelf 855mm MC G1	4,7	413	80		929001666006
CertaFlux RDL shelf 1150mm MC G1	6,2	555	80		929001666106

* Correlated color temperature within 5 SDCM range
** MC : meat color

For chillers with doors
CertaFlux RDL vertical with glareshield gen 1
Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature*	Product Code
	W, typical ± 20%	lm, typical -10% +20%	CRI, min	K	(12NC)
CertaFlux RDL vrt 1500mm 830 SD WGS G1	9,4	1155	80	3000	929001666206
CertaFlux RDL vrt 1500mm 830 CTR WGS G1	19,8	2420	80	3000	929001666506
CertaFlux RDL vrt 1500mm 840 SD WGS G1	9,4	1155	80	4000	929001666306
CertaFlux RDL vrt 1500mm 840 CTR WGS G1	19,8	2420	80	4000	929001666606
CertaFlux RDL vrt 1500mm MC SD WGS G1	12,8	1090	80		929001666406
CertaFlux RDL vrt 1500mm MC CTR WGS G1	26,5	2260	80		929001666706
CertaFlux RDL vrt 1650mm 830 SD WGS G1	10,8	1270	80	3000	929001666806
CertaFlux RDL vrt 1650mm 830 CTR WGS G1	21,6	2640	80	3000	929001667106
CertaFlux RDL vrt 1650mm 840 SD WGS G1	10,8	1270	80	4000	929001666906
CertaFlux RDL vrt 1650mm 840 CTR WGS G1	21,6	2640	80	4000	929001667206
CertaFlux RDL vrt 1650mm MC SD WGS G1	14,2	1200	80		929001667006
CertaFlux RDL vrt 1650mm MC CTR WGS G1	28,9	2480	80		929001667306

* Correlated color temperature within 5 SDCM range
** MC : meat color

For canopy lighting
CertaFlux RDL canopy gen 1
Product specification

Product name	Power consumption	Lumen	Color Rendering Index	Correlated Color Temperature*	Product Code
	W, typical ± 20%	lm, typical -10% +20%	CRI, min	K	(12NC)
CertaFlux RDL canopy 575mm 830 G1	8,6	1000	80	3000	929001667406
CertaFlux RDL canopy 855mm 830 G1	12,9	1500	80	3000	929001667506
CertaFlux RDL canopy 1150mm 830 G1	17,2	2000	80	3000	929001667606
CertaFlux RDL canopy 575mm 835 G1	8,6	1000	80	3500	929001667706
CertaFlux RDL canopy 855mm 835 G1	12,9	1500	80	3500	929001667806
CertaFlux RDL canopy 1150mm 835 G1	17,2	2000	80	3500	929001667906
CertaFlux RDL canopy 575mm 840 G1	8,6	1000	80	4000	929001668006
CertaFlux RDL canopy 855mm 840 G1	12,9	1500	80	4000	929001668106
CertaFlux RDL canopy 1150mm 840 G1	17,2	2000	80	4000	929001668206
CertaFlux RDL canopy 575mm MC G1	8,6	700	80		929001668306
CertaFlux RDL canopy 855mm MC G1	12,9	1050	80		929001668406
CertaFlux RDL canopy 1150mm MC G1	17,2	1400	80		929001668506

* Correlated color temperature within 5 SDCM range
** MC : meat color

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
CertaDrive 35W 24VDC 220-240V	929001424006
CertaDrive 60W 24VDC 220-240V	929001424106
CertaDrive 100W 24VDC 220-240V	929001424206
CertaDrive 120W 24VDC 220-240V	929001424306
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	
CertaFlux RDL clip canopy 0° surface	929001668606
CertaFlux RDL clip canopy 30° surface	929001668706
CertaFlux RDL clip shelf front	929001668806
CertaFlux RDL clip shelf arm	929001668906
CertaFlux RDL clip shelf magnetic	929001669006
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

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