

lumiko

Part of klemko® elektrotechnik

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ELEKTROTECHNIK

LUMIKO COMPACT COB & XPG SPOTS

NEW

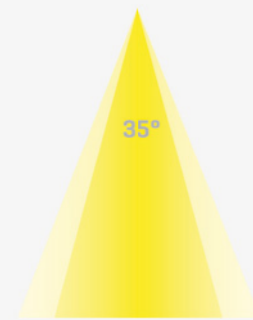
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DIFFERENT SPOTS DIFFERENT APPLICATIONS

The extensive Lumiko collection helps the installer offer flexible solutions to customers. With this brochure, Klemko offers an overview of the Lumiko product line with which you can easily put together the right spotlight with the right accessories so you can easily get started.

COB AND XPG WHAT MAKES THEM DIFFERENT?

The **COB spots** combine the best components, including an efficient LED chip with high light output. With an output of only 3.1 watts, these spots can produce up to 320 lumens, depending on the light color.



COB with reflector

To create an attractive light image, they are equipped with a reflector and a small prism lens on the LED chip. This prevents glare and ensures softer light transitions by reducing stray light around the core light beam in the case of a COB spot.

For all options, see page 4.

The **XPG spot** has a lower power output but features an efficient clear lens. This lens ensures a tight beam and optimal light output. Despite the lower power of only 2 watts, this spot still delivers 215 lumens.



XPG with lens

Another advantage is that the XPG spot, due to its lower power and higher current (700mA) that it can often be connected to one driver in larger groups. This makes installation easier and more cost-efficient.

For all options, see page 6.

COLOR TEMPERATURE (KELVIN)

Colour temperature is expressed in the unit Kelvin (K) and determines atmosphere. The higher the Kelvin number, the colder and whiter the light is. The lower the Kelvin number, the warmer the light is.

Dim to Warm spots (DTW)

When a LED spot is dimmed, the light retains the same color. This is different for a DTW spot; here, the light becomes warmer as it is dimmed further back. For DTW spots, we therefore specify two Kelvin values, the highest value is for light at full intensity and the minimum value is the light color at a low light level.

NEED ADVICE?

If you have any questions or need advice, please feel free to contact with us. Mail info@klemko.nl.

HEAT - KELVIN

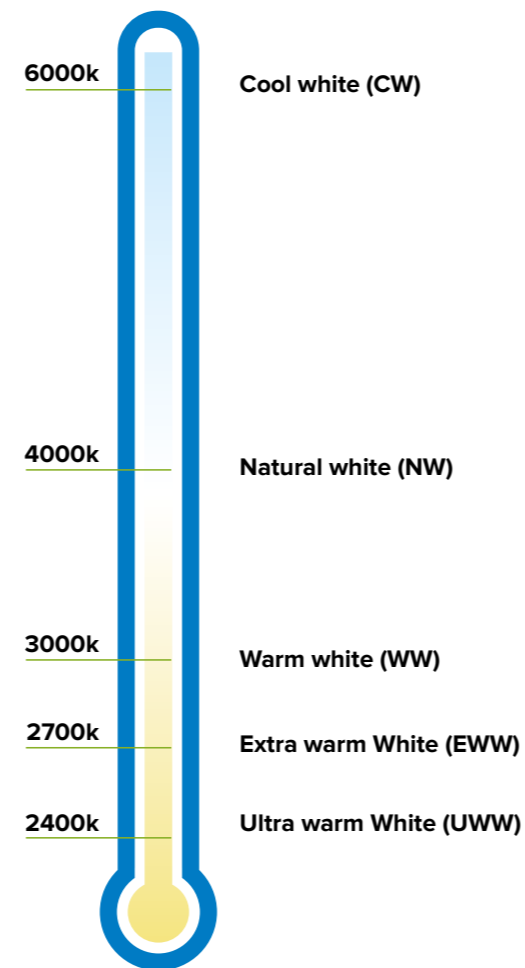


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“The true strength of the Klemko LED lies in its long service life and the preservation of colour and output. This is made possible by the fact that the LED and driver are offered separately rather than integrated.”



MAX: 350 mA

LUMIKO COB LED LIGHTING

Replaces 35 W halogen lighting



1 LED spot, constant current 350 mA (NOTE: 500 mA at DTW spots)

VENICE COB	Ø 50 x 27 mm	Light color	Aluminium	White	Black
	Ø 45 mm	Extra warm white (2700K) ● 863641 ● 863735 ● 863743			
	40° reflector	Warm white (3000K) ○ 863642 ○ 863738 ○ 863742			
		Natural white (4000K) ○ 863640 ○ 863737 ○ 863744			
		DTW (2200-3000K) ● 863643 ● 863734 ● 863745			
This fitting also fits in a standard Ø 50 mm MR16 fixture. NOTE: Due to the small hole size of the Venice spot not all drivers fit through the hole. If this is required, we recommend to use dimmable driver 876804.					
VERONA COB	Ø 43.5 x 25 mm	Light color	Aluminium	White	Black
	Depending on fixture	Extra warm white (2700K) ● 863601 ● 863571 ● 863591			
	40° reflector	Warm white (3000K) ○ 863602 ○ 863573 ○ 863592			
		Natural white (4000K) ○ 863600 ○ 863572 ○ 863593			
		DTW (2200-3000K) ● 863603 ● 863574 ● 863594			
The Verona spot should be installed in one of the fixtures on page 10. The hole size differs depending on the chosen fixture.					
SIENA COB	Ø 62 x 27 mm	Light color	RVS look	White	Black
	Ø 50 mm	Extra warm white (2700K) ● 863721 ● 863710 ● 863718			
	40° reflector	Warm white (3000K) ○ 863720 ○ 863712 ○ 863716			
		Natural white (4000K) ○ 863722 ○ 863714 ○ 863719			
NOTE: the hole size of the Siena spot is a minimum of 50 mm so not all drivers will fit through.					
SIENA RVS 316	Ø 62 x 27 mm	Light color	RVS 316		
	Ø 50 mm	Extra warm white (2700K) ● 863702			
	40° reflector	Warm white (3000K) ● 863704			
NOTE: the hole size of the Siena spot is a minimum of 50 mm so not all drivers will fit through.					
SIENA Fix COB	32 x 37 x 19 mm	Light color	RVS look		
	40° reflector	Extra warm white (2700K) ● 863727			
		Warm white (3000K) ● 863726			
		Natural white (4000K) ○ 863728			

TECHNICAL SPECIFICATIONS

	COB	COB DTW	LIGHT COLOR	LUMEN
Output	3,1 W	3,0 W	● Extra warm white (2700K)	300
Voltage	8.8 V	5.6 V	○ Warm white (3000K)	310
Current	Max. 350 mA	Max. 500 mA	○ Natural white (4000K)	320
Lumen	See chart	See chart	● Dim to Warm (2200-3000K)	180

LAGOS COB	Ø 65 x 15 mm	Light color	Aluminium		
	Ø 62 mm	Extra warm white (2700K) ● 863693			
	100° diffuus	Warm white (3000K) ○ 863696			
		Natural white (4000K) ○ 863695			
Surface mount separately available. NOTE: the Lagos spot is a furniture-spot, the driver needs to be placed externally.					
MALABO COB	Ø 48 x 19 mm	Light color	Aluminium		
	Ø 32 mm	Extra warm white (2700K) ● 863621			
	90°	Warm white (3000K) ○ 863622			
		Natural white (4000K) ○ 863620			
Surface mount separately available. NOTE: the Malabo spot is a furniture-spot, the driver needs to be placed externally.					
VALENZA COB	Ø 64 x 13/16 mm	Light color	Aluminium		
	Ø 62 x 13,7 mm	Extra warm white (2700K) ● 863631			
	90°	Warm white (3000K) ○ 863637			
		Natural white (4000K) ○ 863635			
Surface mount included. NOTE: the Valenza spot is a furniture-spot, the driver needs to be placed externally.					
TILOS COB	90 x 90 mm	Light color	Aluminium		
	70 x 70 x 40 mm (80 mm incl. veren)	Extra warm white (2700K) ● 863661			
		Warm white (3000K) ○ 863662			
		Natural white (4000K) ○ 863660			
Plasterboard and recessed box available as separate accessories.					
FARO COB	32 x 37 x 19 mm	Light color	Aluminium	Black	
	40° reflector	Extra warm white (2700K) ● 863681		● 863685	
		Warm white (3000K) ○ 863682		○ 863686	
		Natural white (4000K) ○ 863680		○ 863687	

2 Controllers

It is essential to choose a driver with a current output (mA) that matches that of the spot. Below is a selection from our extensive range.

* Example LED driver with connectionbox.



Article number	Dimmable											Not dimmable
	Trailing edge						1 - 10 V / puls		Zigbee	DALI / puls		
860300	860302	860019	860023	876819	860030	860033	876829	860006	860228	860011	876820	
Dimming range (%)	100 - 8%	100 - 8%	100 - 10 %	100 - 10 %	100 - 30 %	100 - 10 %	100 - 0 %	100 - 0 %	100 - 0 %	100 - 0.1 %		
Dimensions (LxBxH) in mm	48 x 30 x 20	48 x 30 x 20	85 x 40 x 22	85 x 40 x 22	99 x 39 x 24	120 x 53 x 27	120 x 53 x 27	110 x 52 x 24	146,5 x 44 x 30	210 x 50 x 32	170 x 53,4 x 28	99 x 39 x 24
Included connector blocks	✓	✓	✗	✗	✓	✗	✓	✗	✗	✗	✗	✗
Incl. power cord	✗	✗	✗	✗	✓	✗	✓	✗	✗	✗	✗	✗
Incl. 230 Vac connectionbox*	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
350 mA	1 pcs		2 - 3 pcs	3 - 4 pcs	1 - 3 pcs	2 - 4 pcs	3 - 5 pcs	1 - 4 pcs	2 - 5 pcs	1 - 5 pcs	1 - 6 pcs	1 - 3 pcs
500 mA (DTW)		1 pcs							2 - 7 pcs	2 - 8 pcs	2 - 8 pcs	
Dimming	891042						891740		App or puls	891005		

3 Installing the Lumiko LED spots with the connectors

Lumiko LED spots are easily installed in series with the connector blocks that are supplied with the driver or sold separately.

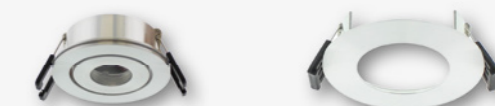
Connecting 1 spot	Connector blocks	Twofold (20cm)	Twofold (2m)	Fourfold (2m)	Sixfold (2m)	Male/Male 5 meter	
		876838	876802	876803	860810	876845	
						Suitable for the Valenza and Lagos.	
Connecting more spots	Extention cables	1 meter	2 meter	3 meter	5 meter	7 meter	10 meter
		876839	876841	876842	876844	876846	876848

4 Fixtures

The Verona spot should be installed in one of the fixtures on page 10.



The Venice spot can be mounted either separately or in one of the standard Ø 50 mm MR16 fixtures listed on page 11.



MAX: 700 mA

LUMIKO XPG LED LIGHTING

Replaces 20 W halogen lighting



1 LED spot, constant current 700 mA

VENICE XPG Ø 50 x 27 mm

Light color

Light color	Aluminium	White	Black
Extra warm white (2700K)	876641	876739	876743
Warm white (3000K)	876642	876738	876742
Natural white (4000K)	876640	876737	876741
Cool white (6000K)	876644	876736	876740

Ø 45 mm

35° lens

This fitting also fits in a standard Ø 50 mm MR16 fixture. NOTE: : Due to the small hole size of the Venice spot not all drivers fit through the hole. If this is required, we recommend to use dimmable driver 876804

VERONA XPG Ø 43,5 x 25 mm

Light color

Light color	Aluminium	White	Black
Extra warm white (2700K)	876601	876571	876591
Warm white (3000K)	876602	876573	876592
Natural white (4000K)	876600	876572	876593
Cool white (6000K)	876604	876574	

Depending on fixture

35° lens

For placement in compatible Verona fixtures, see other side. NOTE: The Verona spot must be placed in the fixtures on the back of this guide. The hole size differs depending on the chosen fixture.

SIENA XPG Ø 62 x 27 mm

Light color

Light color	RVS look	White	Black
Extra warm white (2700K)	876656	876718	876753
Warm white (3000K)	876720	876719	876754
Natural white (4000K)	876722	876756	876755
Cool white (6000K)	876724		

Ø 50 mm

35° lens

NOTE: the hole size of the Siena spot is a minimum of 50 mm so not all drivers will fit through.

SIENA Fix XPG Ø 62 x 27 mm

Light color

Light color	RVS look
Warm white (3000K)	876726
Natural white (4000K)	876728
Cool white (6000K)	876730

Ø 50 mm

35° lens

NOTE: the hole size of the Siena spot is a minimum of 50 mm so not all drivers will fit through.

FARO XPG 32 x 37 x 19 mm

Light color

Light color	Aluminium	Black
Extra warm white (2700K)	876681	876685
Warm white (3000K)	876682	876686
Natural white (4000K)	876680	876687
Cool white (6000K)	876684	

35° lens

TECHNICAL SPECIFICATIONS

	XPG	LIGHT COLOR	LUMEN
Output	2,1 W	Extra warm white (2700K)	215
Voltage	3.0 V	Warm white (3000K)	215
Current	Max. 700 mA	Natural white (4000K)	215
Lumen	See chart	Cool white (6000K)	215

LAGOS XPG Ø 65 x 15 mm

Light color

Light color	Aluminium	Black
Extra warm white (2700K)	876693	876747
Warm white (3000K)	876696	876745
Natural white (4000K)	876695	
Cool white (6000K)	876694	

Ø 62 mm

100° diffuus

Surface housing separately available. NOTE: the Lagos spot is a furniture-spot, the driver needs to be placed externally.

MALABO XPG Ø 48 x 19 mm

Light color

Light color	Aluminium
Extra warm white (2700K)	876621
Warm white (3000K)	876622
Natural white (4000K)	876620
Cool white (6000K)	876624

Ø 32 mm

90°

Surface housing separately available. NOTE: the Malabo spot is a furniture-spot, the driver needs to be placed externally.

VALENZA XPG Ø 64 x 13/16 mm

Light color

Light color	Aluminium	RVS look
Extra warm white (2700K)	876655	
Warm white (3000K)	876636	876637
Natural white (4000K)	876634	876635
Cool white (6000K)	876638	876639

Ø 62 x 13,7 mm

90°

Surface mount included. NOTE: the Valenza spot is a furniture-spot, the driver needs to be placed externally.

TILOS XPG 90 x 90 mm

Light color

Light color	Aluminium
Warm white (3000K)	876662
Natural white (4000K)	876660
Cool white (6000K)	876664

70 x 70 x 40 mm (80 mm incl. springs)

Plasterboard and recessed box available as separate accessories.

TOSCA XPG 90 x 90 mm

Light color

Light color	Aluminium
Warm white (3000K)	876673
Natural white (4000K)	876674

70 x 70 x 40 mm (80 mm incl. springs)

Plasterboard and recessed box available as separate accessories.

2 Controllers

It is essential to choose a driver with a current output (mA) that matches that of the spot. Below is a selection from our extensive range.

* Example LED driver with connectionbox.



Article number	Dimmable								Not dimmable
	Trailing edge				1 - 10 V / puls	Zigbee	DALI / puls		
	860304	876804	860052	860088	876808	860006	860228	860011	
Dimming range (%)	100 - 8%	100 - 30 %	100 - 10 %	100 - 30 %	100 - 0 %	100 - 0 %	100 - 0 %	100 - 0.1 %	876800
Dimensions (LxBxH) in mm	48 x 30 x 20	99 x 39 x 24	99 x 39 x 24	120 x 53 x 27	110 x 52 x 24	146,5 x 44 x 30	210 x 50 x 32	170 x 53,4 x 28	100 - 0 %
Included connector blocks	✓	✓	✓	✗	✓	✗	✗	✗	✓
Incl. power cord	✗	✓	✓	✗	✓	✗	✗	✗	✓
Incl. 230Vac connectionbox*	✓	✗	✗	✗	✗	✗	✗	✗	✗
700 mA	1 pcs	1 - 5 pcs	3 - 4 pcs	6 - 11 pcs	1 - 8 pcs	3 - 13 pcs	3 - 15 pcs	3 - 11 pcs	1 - 8 pcs
Dimming	891042				891740		App or puls	891005	

3 Installing the Lumiko LED spots with the connectors

Lumiko LED spots are easily installed in series with the connector blocks that are supplied with the driver or sold separately.

Connecting 1 spot	Connector blocks	Twofold (2m)	Fourfold (2m)	Sixfold (1m)	Male/Male 5 Meter
		876802	876803	860810	876845
		Suitable for the Valenza and Lagos.			
Connecting more spots	Extention cables	3 meters	5 meters	7 meters	10 meters
		876842	876844	876846	876848

4 Fixtures

The **Verona spot** should be installed in one of the fixtures on page 10.



The **Venice spot** can be mounted either separately or in one of the standard Ø 50 mm MR16 fixtures listed on page 11.





Ø50 mm MR16 fixtures

LUMIKO BONNITA LED LIGHTING

Replaces 50 W halogen lighting

1 LED spot, constant current 700 mA (NOTE: 500 mA at DTW spots)

<p>BONNITA</p>  <p>Ø 50 x 62 mm</p> <p>Depending on fixture</p> <p>40° lens</p>	<p>Light color</p> <p>Extra warm white (2700K) ● 863020</p> <p>Warm white (3000K) ○ 863022</p> <p>Natural white (4000K) ○ 863024</p> <p>DTW (2200-3000K) ● 863025</p>
<p>BONNITA</p>  <p>Ø 50 x 62 mm</p> <p>Depending on fixture</p> <p>15° lens</p>	<p>Light color</p> <p>Extra warm white (2700K) ● 863010</p> <p>Warm white (3000K) ○ 863012</p> <p>Natural white (4000K) ○ 863014</p>
<p>DIFFUSER</p>  <p>Loose diffuser for Bonnita LED module</p> <p>863980</p>	

TECHNICAL SPECIFICATIONS

	BONNITA	BONNITA DTW	LIGHT COLOR	LUMEN
Output	6,6 W	6,2 W	● Extra warm white (2700K)	530
Voltage	9.4 V	18 V	○ Warm white (3000K)	530
Current	Max. 700 mA	Max. 500 mA	○ Natural white (4000K)	530
Lumen	See chart	See chart	● Dim to Warm (2200-3000K)	530

VERY CONVENIENT! ONE-TO-ONE SWITCH TO LED.

The Bonnita is an MR16 (50 mm) LED spot this makes the Bonnita suitable for exchange of old spotlights in existing fixtures. The standard size ensures easy replacement especially when combined with mini driver **860306**.

The Bonnita is installed in existing or new Ø50 mm MR16 fixtures.

2 Controllers

It is essential to choose a driver with a current output (mA) that matches that of the spot. Below is a selection from our extensive range.

* Example LED driver with connectionbox.



	Dimmable						
	Trailing edge		1 - 10 V / puls		Zigbee	DALI / puls	
Article number	860306	860088	860019	876810	860006	860228	860011
Dimming range (%)	100 - 8%	100 - 30 %	100 - 10 %	100 - 0 %	100 - 0 %	100 - 0 %	100 - 0.1 %
Dimensions (LxBxH) in mm	58 x 36 x 20	120 x 53 x 27	85 x 40 x 22	110 x 52 x 24	146,5 x 44 x 30	210 x 50 x 32	170 x 53,4 x 28
Included connector blocks	✓	✗	✗	✗	✗	✗	✗
Incl. power cord	✗	✗	✗	✗	✗	✗	✗
Incl. 230Vac connectionbox*	✓	✗	✗	✗	✗	✗	✗
700 mA	1 pcs	2 - 3 pcs		1 - 3 pcs	2 - 5 pcs	1 - 5 pcs	1 - 4 pcs
350 mA (DTW)			1 pcs	1 - 2 pcs	1 - 2 pcs	1 - 2 pcs	1 - 3 pcs
Dimming	891042		891740		App or puls	891005	

3 Installing the Lumiko LED spots with the connectors

Lumiko LED spots are easily installed in series with the connector blocks that are supplied with the driver or sold separately.

Connecting 1 spot	Connector blocks	Twofold (2m)	Fourfold (2m)	Sixfold (1m)
		876802	876803	860810
Connecting more spots	Extention cables	3 meters	5 meters	7 meters
		876842	876844	876846

4 Fixtures

The **Bonnita** should be fitted in existing or one of the Ø50 mm MR16 fixtures listed on page 11.



FIXTURES AND ACCESSORIES

For Verona LED modules








ROUND FIXTURES

	Aluminium	White	Black
	876520 876519 876518	876540 876539 876536	876550 876549 876551
	876522 876523	876542	
	876524		
	876503	876545	876559

SQUARE FIXTURES

	Aluminium	White	Black
	876500	876544	876554
	876502	876546	876556
	876504	876548	
	876506		
	876508		
	876510		

ACCESSORIES

	Surface mount for Lagos XPG and COB LED spots Black	876732 876731
	Surface mount for Malabo XPG and COB LED spots	876950
	Triangular surface mount for Malabo XPG and COB LED spots	876633
	Build-in housing for Tilos and Tosca wall fixtures (Metal). A driver needs to be placed externally. (This article is not compatible with plasterboard accessory)	876679
	Plasterboard for Tilos and Tosca wall fixtures. (This article is not compatible with the build-in housing)	876678

For Bonnita and Venice LED modules




ROUND FIXTURES

	Aluminium	876657
		
	Aluminium	863900
	White	863910


This series of fixtures is adjustable on pan & tilt.

SQUARE FIXTURES

	Aluminium	White	863902	863912
				
	Aluminium	White	863904	863914
				

This series of fixtures is adjustable on pan & tilt.

GROUND SPOT HOUSING

	Ground spot housing for Venice and Bonnita LED spots	876658
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*Bij Bonnita driver extern plaatsen.

LED IN ONE COMPLETE SET

All sets are supplied with a **dimmable driver** and connector blocks.

Venice XPG

Dimmable LED spots

- ✓ Venice XPG LED spot warm white 3000K
- ✓ Replaces 20 W halogen spots
- ✓ **Ideal for toilets, bedrooms and coves**



Set of 3 spots
ART. NR. 876850

Venice COB

Dimmable LED spots

- ✓ Venice COB LED spot warm white 3000K
- ✓ Replaces 35 W halogen spots
- ✓ **Ideal for livingrooms, bathrooms and kitchens**



Set of 2 spots
Set of 3 spots
ART. NR. 863851
ART. NR. 863852

Verona COB

Dimmable LED spots

- ✓ Verona COB ledspot warm white 3000K and fixtures
- ✓ Replaces 35 W halogen spots
- ✓ Includes fixtures
- ✓ **Ideal for renovations, bathrooms and kitchens**



Set of 2 spots
Set of 3 spots
ART. NR. 863855
ART. NR. 863854

Lagos XPG

Dimmable LED spots

- ✓ Lagos XPG furniture spot warm white 3000K
- ✓ Replaces 20 W halogen spots
- ✓ **Ideal for showcasings, kitchens and under cupboards**



Set of 3 spots
ART. NR. 863856



1

2

1

The compact **Piran** COB spot illuminates every corner with its directional and radiant features.

2

The multifunctional **Palermo** COB spot offers lighting with precision, can be used both retracted and directional.



3

4

3

The compact **Piran** COB spot illuminates every corner with its directional and radiant features.

4

The multifunctional **Palermo** COB spot offers lighting with precision, can be used both retracted and directional.

Specs for Piran en Palermo

Art. nr.	Product	Kelvin	Color
863770	LED spot Palermo	2700K	Black
863772	LED spot Palermo	3000K	Black
863776	LED spot Palermo	2700K	White
863778	LEDs pot Palermo	3000K	White
863782	Reflectorryng Palermo		Gold
863784	Reflectorryng Palermo		White
863750	LED spot Piran	2700K	Black
863752	LED spot Piran	3000K	Black
863756	LED spot Piran	2700K	White
863758	LED spot Piran	3000K	White
863762	Reflectorryng Piran		Gold
863764	Reflectorryng Piran		White

	Product	Light color	Lumen
Output	3,1 W	Extra warm white (2700K)	400
Voltage	8,8 V	Warm white (3000K)	415
Current	350 mA		
Lumen	See chart		