



CAMPOSPORTIVO PRO SERIES

Technical Specs sheet 2025



HIGH POWER LED LIGHTING

The latest technology of led combined with an optimal thermal and optical design result in today most efficient lighting solution for sport fields.

The optical design is made to have maximal light on the pitch and minimal stray light. The multiple led modules give a uniform distributed light with minimum shadow effect.

The luminaire is equipped with a state of the art high efficient (97%) LED driver. This led driver ensures stable operations even with changing input voltage (No light output dependence on input voltage fluctuations).

An optional Intelligent lighting System (LumosaTouch) is available to adjust the light level over a wide range keeping a very high efficiency and power factor. The design is made to match existing infrastructure, the luminaire will be configured to have an optimal performance.



**CUSTOMISED LIGHTING
PLAN**



**FIXTURES POSITIONED
IN HOUSE**



**SAFELY & EFFICIENTLY
INSTALLED**



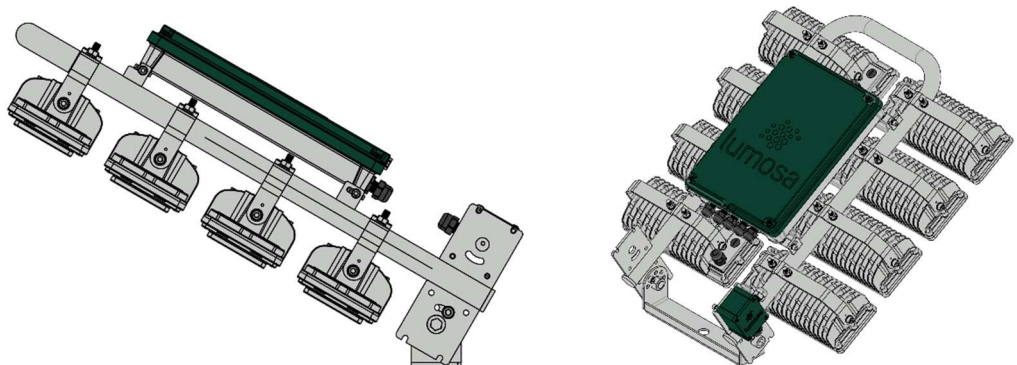
**SAVING ENERGY WITH
LUMOSATOUCH**

BENEFITS LUMOSA LIGHTING

- Intelligent control system
- Fast switch on and off
- High power factor
- High Efficiency
- Dimmable
- Mercury Free
- Long Lifetime
- Waterproof IP66

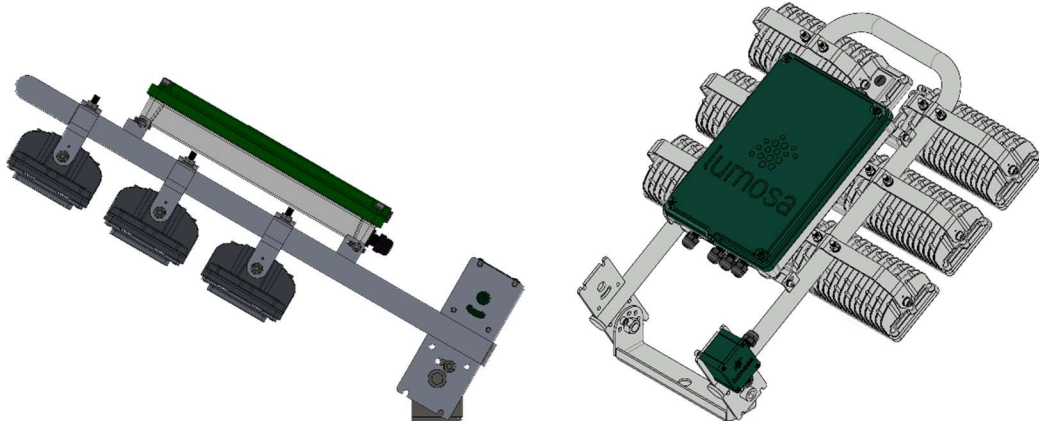
Specification CS8		
Parameter		Remarks
Type:	CS860 Pro	
Led power [W]	1720	± 10%
Brightness [Lm]	232200	± 7% *incl. Optic Efficiency
Color temp	5700K	Other Color temp available
Color rendering	> 70 Ra	Higher rating can be ordered
Efficacy [up to Lm/W]	230	Measured acc LM-79-08; See figure 3 on page 10
Min Efficacy [Lm/W]	153	*excl. Optic efficiency
Operating Input Voltage [Vac]	400	±10%
Input Current max [A]	6	Absolute maximum at minimum input voltage
Inrush Current [A]	≤ 40	
I ² t [A ² s]	≤ 5	
Frequency	50 – 60Hz	
Power Factor	0.99	At nominal load
Efficiency	0.97	
Start Up time [s]	≤ 1	
Hold Up time [ms]	10	
Flickering	< 1%	Lumen variation
Surge protection	10kV	Differential and common mode
Isolation Class	Class I	Option Class II
Control [optional]	Intelligent Lighting System	Communication over power line
On/off	Stand-by	Via Intelligent Lighting System
Dimming	0-100%	Via Intelligent Lighting System
Life time	30 years	At average use of 1000hrs per year
L80	> 99800hrs	@ 25°C luminaire ambient. acc. TM-21
L90B10	60500hrs	@ 25°C luminaire ambient. acc. TM-21
Ambient temperature	-20 to 40°C	Operating conditions
	-30 to 85°C	Storage conditions
Standards and Safety	NEN-EN-IEC 55015:2019:2019 NEN-EN-IEC 61547:2009-IEC:2009 IEC 60598-1:2020,2-22 IEC 60598-2:2020 IEC 62717 NEN-EN-IEC 60598-2-5:2015 NEN-EN-IEC 61000-6-2:2019 UEFA Stadium Guide	Electromagnetic Compatibility Directive Equipment for general lighting purposes Fixed general purpose luminaries Limit for Harmonic current emissions Lighting (2023) and Entertainment Lighting (2020)
Installation height	5 to 100mtr	
Enclosure rating	IP66	
	IK08	
Corrosion Class	C4	Option for C5

Mechanical		
Parameter		Remarks
Projected surface [m ²]	0.07	Side projection
	0.147	Back projection
Wind resistance	1.05	Estimated Cx value
Wind load	≤0.16	S.Cx
Weight [Kg]	25	
Size (LxWxH) [cm]	63x61x46	See drawing
Base size[mm]	65x270 hole size 22	
Color	Grey (RAL 7035)	Powder coating



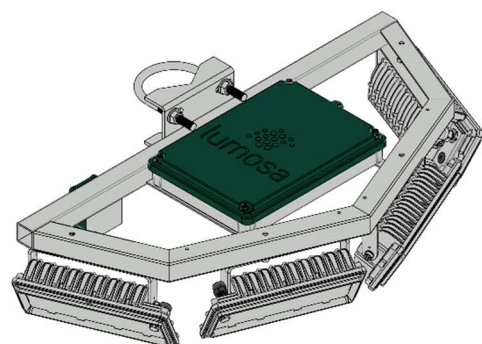
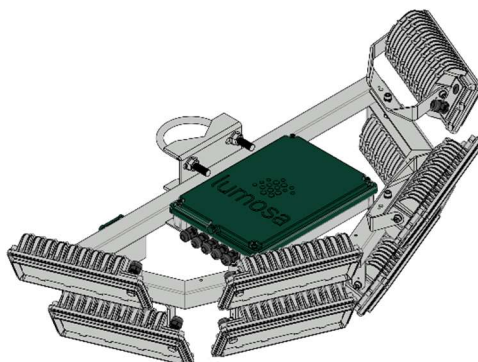
Specification CS6		
Parameter		Remarks
Type:	CS660 Pro	
Led power [W]	1290	± 10%
Brightness [Lm]	174150	± 7% *incl. Optic Efficiency
Color temp	5700K	Other Color temp available
Color rendering	> 70 Ra	Higher rating can be ordered
Efficacy [up to Lm/W]	230	Measured acc LM-79-08; See figure 3 on page 10
Min Efficacy [Lm/W]	153	*excl. Optic efficiency
Operating Input Voltage [Vac]	400	±10%
Input Current max [A]	3.7	Absolute maximum at minimum input voltage
Inrush Current [A]	≤ 40	
I ² t [A ² s]	≤ 5	
Frequency	50 – 60Hz	
Power Factor	0.99	At nominal load
Efficiency	0.97	
Start Up time [s]	≤ 1	
Hold Up time [ms]	10	
Flickering	< 1%	Lumen variation
Surge protection	10kV	Differential and common mode
Isolation Class	Class I	Option Class II
Control [optional]	Intelligent Lighting System	Communication over power line
On/off	Stand-by	Via Intelligent Lighting System
Dimming	0-100%	Via Intelligent Lighting System
Life time	30 years	At average use of 1000hrs per year
L80	> 99800hrs	@ 25°C luminaire ambient. acc. TM-21
L90B10	60500hrs	@ 25°C luminaire ambient. acc. TM-21
Ambient temperature	-20 to 40°C	Operating conditions
	-30 to 85°C	Storage conditions
Standards and Safety	NEN-EN-IEC 55015:2019:2019 NEN-EN-IEC 61547:2009-IEC:2009 IEC 60598-1:2020,2-22 IEC 60598-2:2020 IEC 62717 NEN-EN-IEC 60598-2-5:2015 NEN-EN-IEC 61000-6-2:2019 UEFA Stadium Guide	Electromagnetic Compatibility Directive Equipment for general lighting purposes Fixed general purpose luminaires Limit for Harmonic current emissions Lighting (2023) and Entertainment Lighting (2020)
Installation height	5 to 100mtr	
Enclosure rating	IP66	
	IK08	
Corrosion Class	C4	Option for C5

Mechanical		
Parameter		Remarks
Projected surface [m ²]	0.07	Side projection
	0.147	Back projection
Wind resistance	1.05	Estimated Cx value
Wind load	≤0.13	S.Cx
Weight [Kg]	21	
Size (LxWxH) [cm]	64x57x48	See drawing
Base size[mm]	65x270 hole size 22	
Color	Grey (RAL 7035)	Powder coating



Specification Corona CS			
Parameter			Remarks
Type: Corona	CS8 Pro	CS4 Pro	
Led power [W]	1720	860	± 10%
Brightness [Lm]	232200	116100	± 7% *incl. Optic Efficiency
Color temp	5700K		Other Color temp available
Color rendering	> 70 Ra		Higher rating can be ordered
Efficacy [up to Lm/W]	230		Measured acc LM-79-08; See figure 3 on page 10
Min Efficacy [Lm/W]	153		*excl. Optic efficiency
Operating Input Voltage [Vac]	400	230 ... 400	±10%
Input Current max [A]	6	4.1	Absolute maximum at minimum input voltage
Inrush Current [A]	≤ 40		
I ² t [A ² s]	≤ 5		
Frequency	50 – 60Hz		
Power Factor	0.99		At nominal load
Efficiency	0.97		
Start Up time [s]	≤ 1		
Hold Up time [ms]	10		
Flickering	< 1%		Lumen variation
Surge protection	10kV		Differential and common mode
Isolation Class	Class I		Option Class II
Control [optional]	Intelligent Lighting System		Communication over power line
On/off	Stand-by		Via Intelligent Lighting System
Dimming	0-100%		Via Intelligent Lighting System
Life time	30 years		At average use of 1000hrs per year
L80	> 99800hrs		@ 25°C luminaire ambient. acc. TM-21
L90B10	60500hrs		@ 25°C luminaire ambient. acc. TM-21
Ambient temperature	-20 to 40°C		Operating conditions
	-30 to 85°C		Storage conditions
Standards and Safety	NEN-EN-IEC 55015:2019:2019 NEN-EN-IEC 61547:2009- IEC 60598-1:2020,2-22 IEC 60598-2:2020 IEC 62717 NEN-EN-IEC 60598-2-5:2015 NEN-EN-IEC 61000-6-2:2019 UEFA Stadium Guide		Electromagnetic Compatibility Directive Equipment for general lighting purposes Fixed general purpose luminaries Limit for Harmonic current emissions Lighting (2023) and Entertainment Lighting (2020)
Installation height	5 to 100mtr		
Enclosure rating	IP66		
	IK08		
Corrosion Class	C4		Option for C5

Mechanical			
Parameter			Remarks
Projected surface [m ²]	0.09	0.07	Side projection
	0.155	0.110	Back projection
Wind resistance	1	1	Estimated Cx value
Wind load	≤0.16	≤0.11	S.Cx
Weight [Kg]	27	21	
Size (LxWxH) [cm]	100x50x33	100x50x18	See drawing
Color	Grey (RAL 7035)		Powder coating

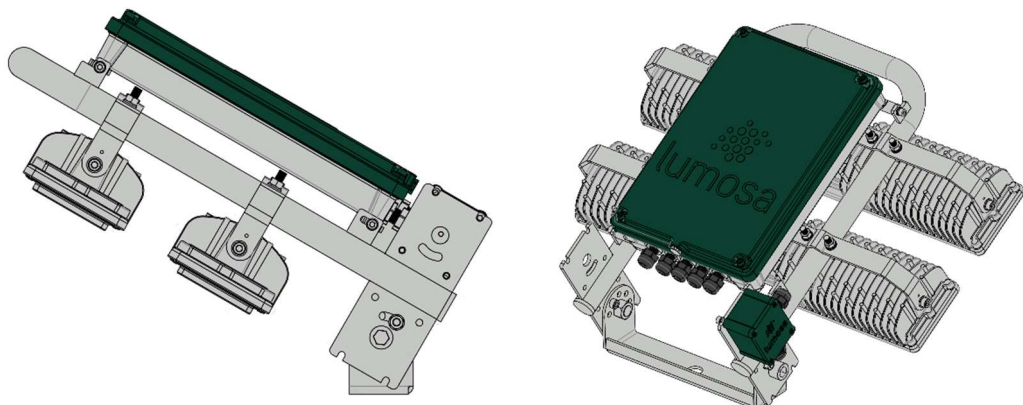


Specification CS4

Parameter			Remarks
Type:	CS460 Pro	CS430 Pro	
Led power [W]	860	520	± 10%
Brightness [Lm]	116100	67600	± 7% *incl. Optic Efficiency
Color temp	5700K		Other Color temp available
Color rendering	> 70 Ra		Higher rating can be ordered
Efficacy [up to Lm/W]	230		Measured acc LM-79-08; See figure 3 on page 10
Min Efficacy [Lm/W]	153	148	*excl. Optic efficiency
Operating Input Voltage [Vac]	230 ... 400		±10%
Input Current max [A]	4.1	3.1	Absolute maximum at minimum input voltage
Inrush Current [A]	≤ 40		
I ² t [A ² s]	≤ 5		
Frequency	50 – 60Hz		
Power Factor	0.99		At nominal load
Efficiency	0.97		
Start Up time [s]	≤ 1		
Hold Up time [ms]	10		
Flickering	<1%		Lumen variation
Surge Protection	10kV		Differential and common mode
Isolation Class	Class I		Option Class II
Control [optional]	Intelligent Lighting System		Communication over power line
On/off	Stand-by		Via Intelligent Lighting System
Dimming	0-100%		Via Intelligent Lighting System
Lifetime	30 years		At average use of 1000hrs per year
L80	> 99800hrs		@ 25°C luminaire ambient. acc. TM-21
L90B10	60500hrs		@ 25°C luminaire ambient. acc. TM-21
Ambient temperature	-20 to 40°C		Operating conditions
	-30 to 85°C		Storage conditions
Standards and Safety	NEN-EN-IEC 55015:2019:2019 NEN-EN-IEC 61547:2009-IEC:2009 IEC 60598-1:2020,2-22 IEC 60598-2:2020 IEC 62717 NEN-EN-IEC 60598-2-5:2015 NEN-EN-IEC 61000-6-2:2019 UEFA Stadium Guide		Electromagnetic Compatibility Directive Equipment for general lighting purposes Fixed general purpose luminaires Limit for Harmonic current emissions Lighting (2023) and Entertainment Lighting (2020)
Installation height	5 to 100mtr		
Enclosure rating	IP66		
	IK08		
Corrosion Class	C4		Option for C5

Mechanical

Parameter			Remarks
Projected surface [m ²]	0.04		Side projection
	0.05		Back projection
Wind resistance	1.05		Estimated Cx value
Wind load	≤0.06		S.Cx
Weight [Kg]	15		
Size (LxWxH) [cm]	39x61x43		See drawing
Base size[mm]	65x270 hole size 22		
Color	Grey (RAL 7035)	Black (RAL 9005)	Powder coating

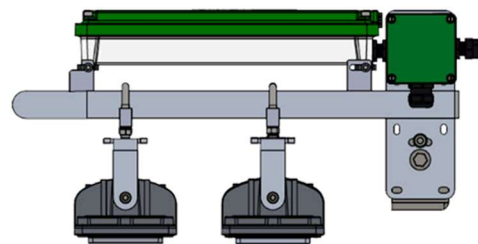
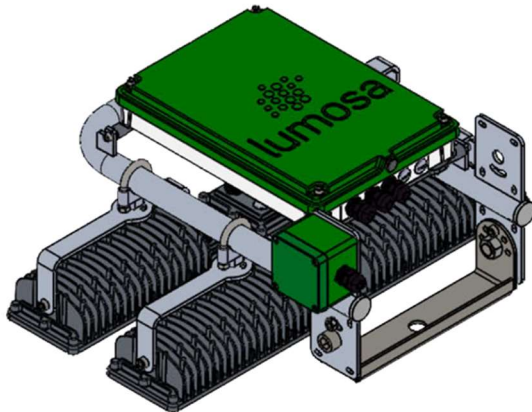


Specification CS4 NXT

Parameter		Remarks
Type:	CS430 Pro NXT	
Led power [W]	750	± 10%
Brightness [Lm]	85322	± 7% *incl. Optic Efficiency
Color temp	5700K	Other Color temp available
Color rendering	> 70 Ra	Higher rating can be ordered
Efficacy [up to Lm/W]	230	Measured acc LM-79-08; See figure 3 on page 10
Min Efficacy [Lm/W]	148	*excl. Optic efficiency
Operating Input Voltage [Vac]	230 ... 400	±10%
Input Current max [A]	3.8	Absolute maximum at minimum input voltage
Inrush Current [A]	≤ 40	
I ² t [A ² s]	≤ 5	
Frequency	50 – 60Hz	
Power Factor	0.99	At nominal load
Efficiency	0.97	
Start Up time [s]	≤ 1	
Hold Up time [ms]	10	
Flickering	<1%	Lumen variation
Surge Protection	10kV	Differential and common mode
Isolation Class	Class I	Option Class II
Control [optional]	Intelligent Lighting System	Communication over power line
On/off	Stand-by	Via Intelligent Lighting System
Dimming	0-100%	Via Intelligent Lighting System
Lifetime	30 years	At average use of 1000hrs per year
L80	> 99800hrs	@ 25°C luminaire ambient. acc. TM-21
L90B10	60500hrs	@ 25°C luminaire ambient. acc. TM-21
Ambient temperature	-20 to 40°C	Operating conditions
	-30 to 85°C	Storage conditions
Standards and Safety	NEN-EN-IEC 55015:2019:2019 NEN-EN-IEC 61547:2009-IEC:2009 IEC 60598-1:2020,2-22 IEC 60598-2:2020 IEC 62717 NEN-EN-IEC 60598-2-5:2015 NEN-EN-IEC 61000-6-2:2019 UEFA Stadium Guide	Electromagnetic Compatibility Directive Equipment for general lighting purposes Fixed general purpose luminaires Limit for Harmonic current emissions Lighting (2023) and Entertainment Lighting (2020)
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Enclosure rating	IP66	
	IK08	
Corrosion Class	C4	Option for C5

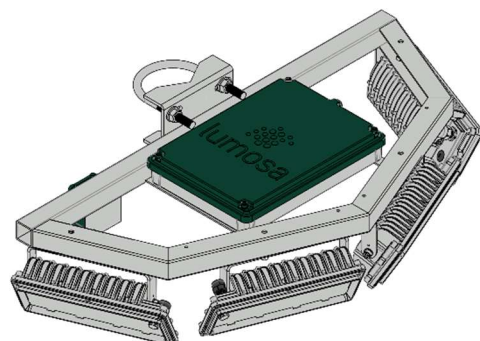
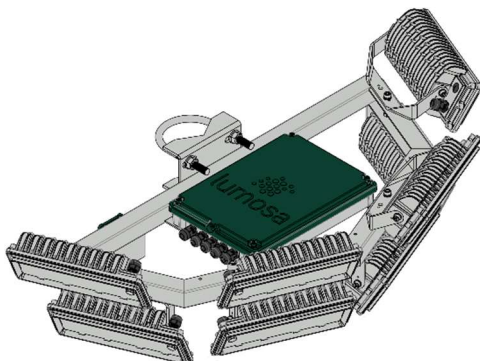
Mechanical

Parameter		Remarks
Projected surface [m ²]	0.08	Side projection
	0.12	Back projection
Wind resistance	0.8	Estimated Cx value
Wind load	≤0.08	S.Cx
Weight [Kg]	11	
Size (LxWxH) [cm]	64x57x48	See drawing
Base size[mm]	65x270 hole size 22	
Color	Grey (RAL 7035)	Powder coating



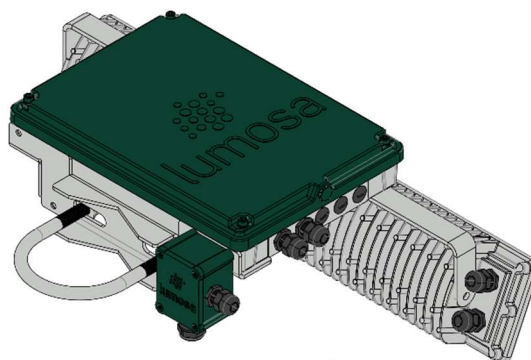
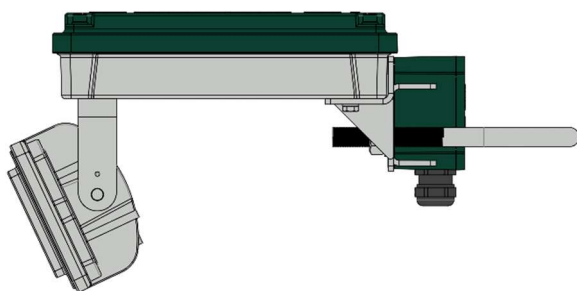
Specification Corona CS NXT				
Parameter				Remarks
Type: Corona	CS8 Pro NXT	CS6 ProNXT	CS4 ProNXT	
Led power [W]	1720	1290	860	± 10%
Brightness [Lm]	221984	166488	110992	± 7% *incl. Optic Efficiency
Color temp		5700K		Other Color temp available
Color rendering		> 70 Ra		Higher rating can be ordered
Efficacy [up to Lm/W]		230		Measured acc LM-79-08; See figure 3 on page 10
Min Efficacy [Lm/W]		147		*excl. Optic efficiency
Operating Input Voltage [Vac]	400	400	230 400	±10%
Input Current max [A]	6	3.7	4.1	Absolute maximum at minimal input voltage
Inrush Current [A]		≤ 40		
I ² t [A ² s]		≤ 5		
Frequency		50 – 60Hz		
Power Factor		0.99		At nominal load
Efficiency		0.97		
Start Up time [s]		≤ 1		
Hold Up time [ms]		10		
Flickering		< 1%		Lumen variation
Surge protection		10kV		Differential and common mode
Isolation Class		Class I		Option Class II
Control [optional]		Intelligent Lighting System		Communication over power line
On/off		Stand-by		Via Intelligent Lighting System
Dimming		0-100%		Via Intelligent Lighting System
Life time		30 years		At average use of 1000hrs per year
L80		> 99800hrs		@ 25°C luminaire ambient. acc. TM-21
L90B10		60500hrs		@ 25°C luminaire ambient. acc. TM-21
Ambient temperature		-20 to 40°C		Operating conditions
		-30 to 85°C		Storage conditions
Standards and Safety	NEN-EN-IEC 55015:2019:2019 NEN-EN-IEC 61547:2009-IEC:2009 IEC 60598-1:2020,2-22 IEC 60598-2:2020 IEC 62717 NEN-EN-IEC 60598-2-5:2015 NEN-EN-IEC 61000-6-2:2019 UEFA Stadium Guide			Electromagnetic Compatibility Directive Equipment for general lighting purposes Fixed general purpose luminaires Limit for Harmonic current emissions Lighting (2023) and Entertainment Lighting (2020)
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Enclosure rating	IP66			
	IK08			
Corrosion Class	C4			Option for C5

Mechanical				
Parameter				Remarks
Projected surface [m ²]	0.09	0.08	0.07	Side projection
	0.155	0.13	0.110	Back projection
Wind resistance	1	1	1	Estimated Cx value
Wind load	≤0.16	≤0.14	≤0.11	S.Cx
Weight [Kg]	27	24	21	
Size (LxWxH) [cm]	100x50x33	100x50x33	100x50x18	See drawing
Color	Grey (RAL 7035)			Powder coating



Specification CS2				
Parameter				Remarks
Type:	CS260 Pro	CS230 Pro	CS260 NXT	
Led power [W]	430	280	430	± 10%
Brightness [Lm]	54400	35200	50122	± 7% *incl. Optic Efficiency
Color temp		5700K		Other Color temp available
Color rendering		> 70 Ra		Higher rating can be ordered
Efficacy [up to Lm/W]		230		Measured acc LM-79-08; See figure 3 on page 10
Min Efficacy [Lm/W]	153	144	148	*excl. Optic efficiency
Operating Input Voltage [Vac]		230 ... 400		±10%
Input Current max [A]	2.3	1.7	2.3	Absolute maximum at minimum input voltage
Inrush Current [A]		≤ 40		
I ² t [A ² s]		≤ 5		
Frequency [Hz]		50 – 60		
Power Factor		0.99		At nominal load
Efficiency		0.97		
Start Up time [s]		≤ 1		
Hold Up time [ms]		10		
Control [optional]		Intelligent Lighting System		Communication over power line
On/off		Stand-by		Via Intelligent Lighting System
Dimming		0-100%		Via Intelligent Lighting System
Life time		30 years		At average use of 1000hrs per year
L80		> 99800hrs		@ 25°C luminaire ambient. Acc. TM-21
L90B10		60500hrs		@ 25°C luminaire ambient. Acc. TM-21
Ambient temperature		-20 to 40°C		Operating conditions
		-30 to 85°C		Storage conditions
Standards and Safety	NEN-EN-IEC 55015:2019:2019 NEN-EN-IEC 61547:2009-IEC:2009 IEC 60598-1:2020,2-22 IEC 60598-2:2020 IEC 62717 NEN-EN-IEC 60598-2-5:2015 NEN-EN-IEC 61000-6-2:2019 UEFA Stadium Guide			Electromagnetic Compatibility Directive Equipment for general lighting purposes Fixed general purpose luminaires Limit for Harmonic current emissions Lighting (2023) and Entertainment Lighting(2020)
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Corrosion Class	C4			Option for C5

Mechanical		
Parameter		Remarks
Projected surface [m ²]	0.08	Side projection
	0.12	Back projection
Wind resistance	0.8	Estimated Cx value
Wind load	≤0.08	S.Cx
Weight [Kg]	11	
Size (LxWxH) [cm]	64x57x48	See drawing
Color	Grey (RAL 7035)	Powder coating



Graphs

- Light output depends on dimming setting which can be controlled through the Smart Management System.
- Although light output will be reduced Efficacy (Lm/W) will increase.
- Efficacy of led will increase by reduced led current and driver will maintain a very high efficiency over a wide input range.

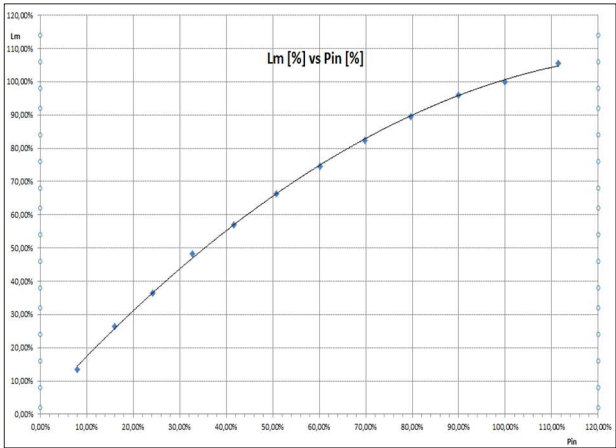


FIGURE 1 LUMEN OUTPUT VERSUS INPUT POWER

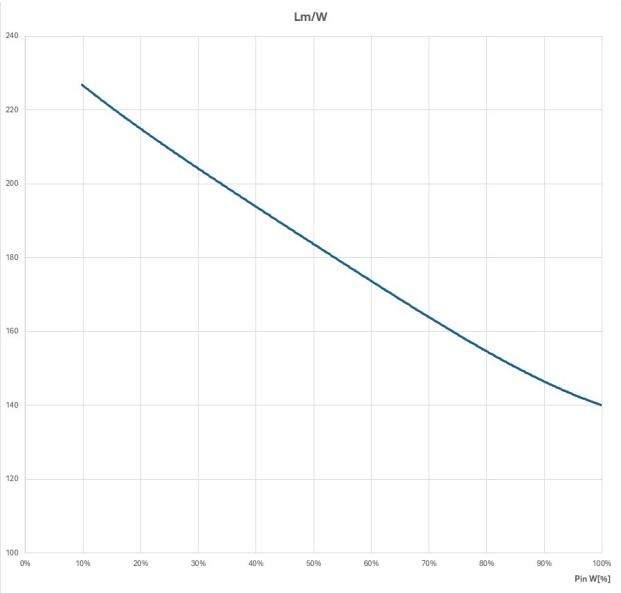


FIGURE 3 EFFICACY VERSUS INPUT POWER

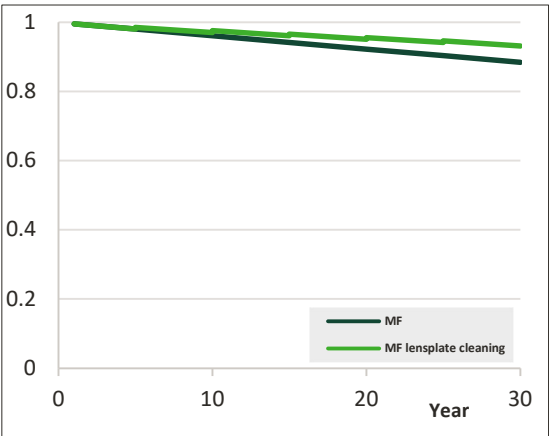


FIGURE 2 MAINTENANCE FACTOR @ 25°C

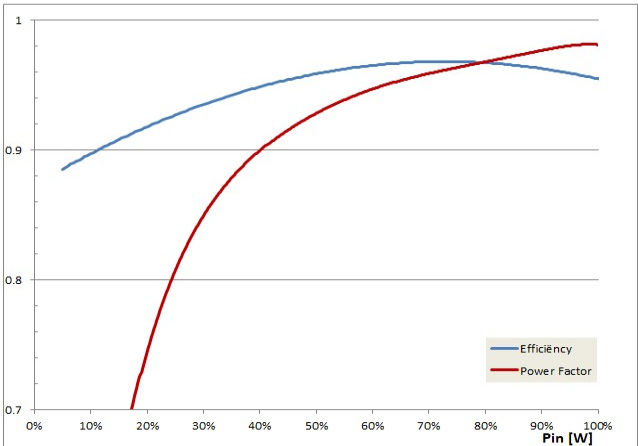


FIGURE 4 DRIVER PERFORMANCE

- The small brightness decay for led over lifetime is compensated by the driver. In This way constant Lumen output is guaranteed over life. Conventional lamps will have a large brightness decay resulting in early end of live of lamp. (Fig 5)

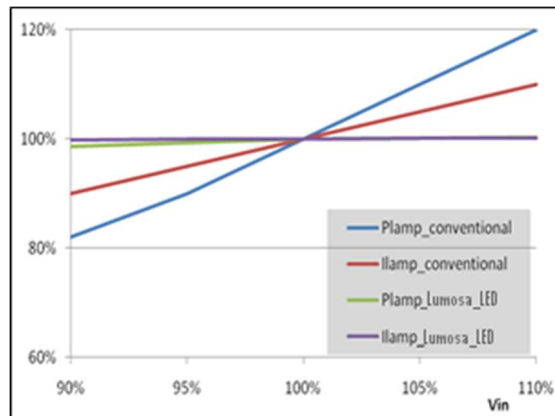


FIGURE 5 INPUT VOLTAGE DEPENDENCY

- LED give immediately light at full brightness and can be dimmed or switch off and on without any problem. Conventional lamps need to warm up and during this time an excessive current is drawn from the mains. Lamps need to cool down before they can be reignited (switch on)

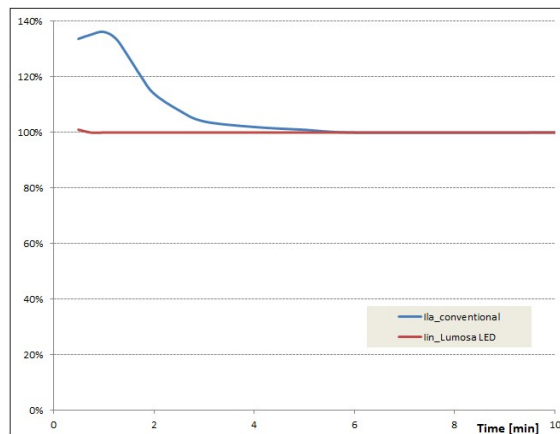


FIGURE 6 STARTUP CURRENT