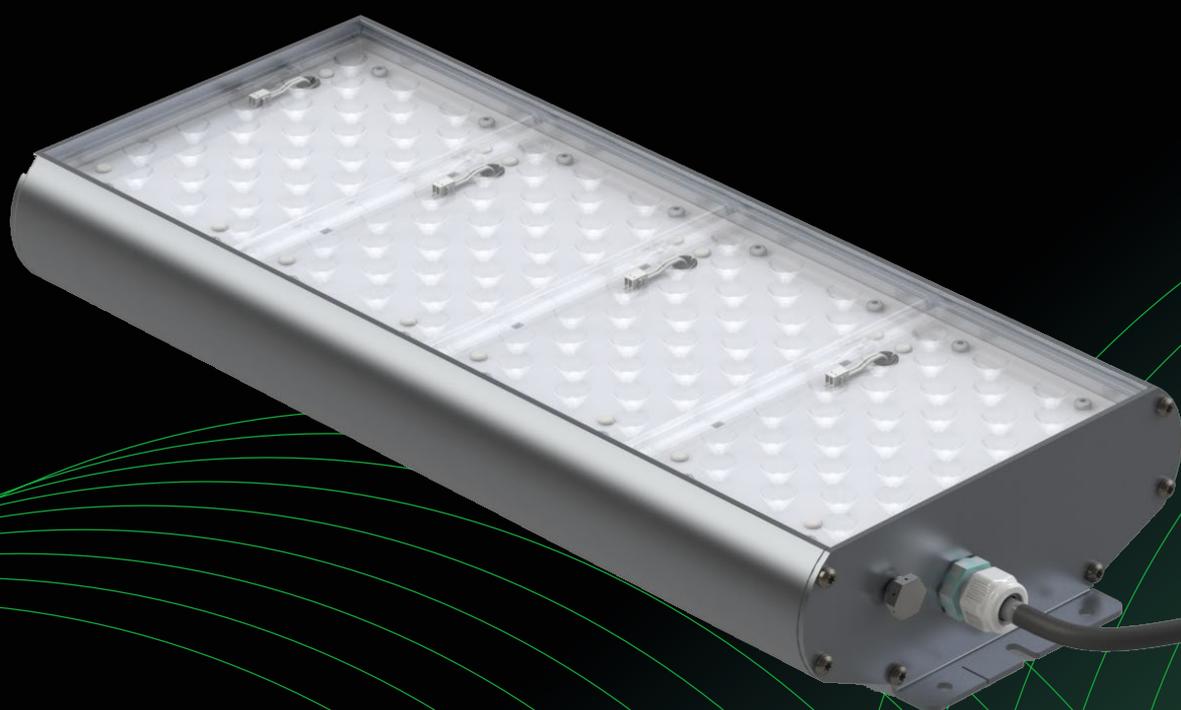


# PRO+ Series

INDUSTRY • SPORTS • RETAIL • LEISURE • AGRICULTURE



EASY  
LED





## **PRO+ SERIES X**

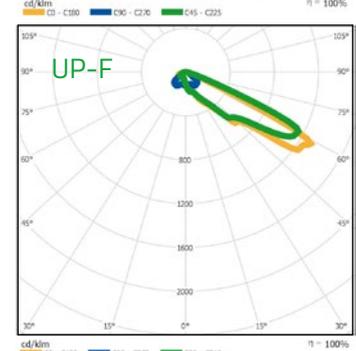
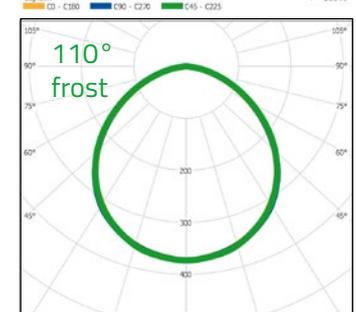
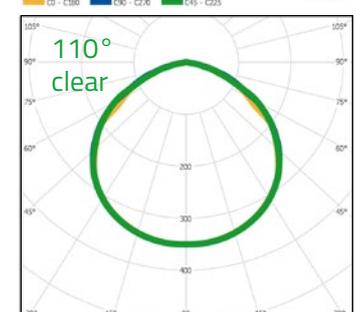
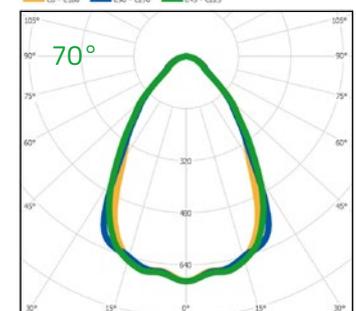
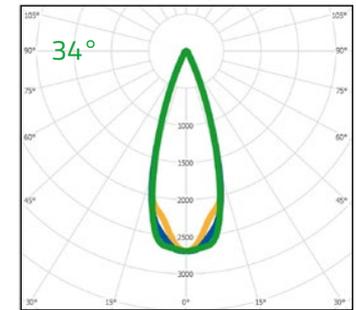
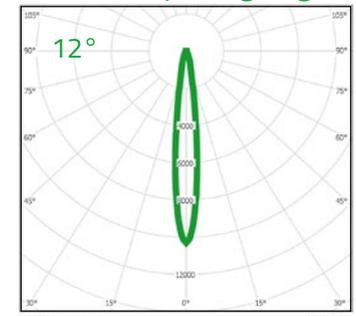
More light  
Efficacy up to  
191 lm/W

# PRO<sup>+</sup> Series X - technical details

<b>Housing</b>	Anodized aluminium – other surface treatments available in RAL colours, Ceramic coating for entire luminaire available for even improved wear resistance.
<b>Optics</b>	Easy LED optimized UV-stabilized PC optics with high impact resistance
<b>Light quality and dimming performance</b>	Dimming down to 70 mA and with PWM technology down to 7mA (400 - 500 Hz).
<b>Protection rating</b>	IP66, D-marking and Ball impact safe (DIN 18032-3). IK09 available
<b>Temperature range</b>	Designed for operating temperatures of 290mA: -40°C ...+45°C with thermal protection activation at +50°C (PRO+ 4X has 5°C higher upper limits) or 350mA: -40°C ...+40°C with thermal protection activation at +45°C (PRO+ 4X has 5°C higher upper limits) or 420mA: -40°C ...+30°C with thermal protection activation at +35°C (PRO+ 4X has 5°C higher upper limits) (95 % RH)
<b>Automatic thermal protection</b>	Inbuilt protection with output current dimming and advanced hysteresis
<b>LED unit lumen maintenance L90B10, C10</b>	>200 000 h
<b>Remaining luminous flux after 100 000 h</b>	0,95
<b>Control</b>	Integrated DALI (DALI-2 compatible), 1-10V, CLO and Kaamos available. PRO+ X Series available with DMX-RDM control using pre installed cables (IP66) or Five-pin XLR5 -connectors (IP40 or IP65).
<b>Connection</b>	Preassembled installation cable (plug available). 2x QPD 4PE2,5 connectors for series installation with M12 connector for control available
<b>Safety light option</b>	As standard - 175 - 275 VDC
<b>Input voltage</b>	230 VAC (operation voltage range: 198 - 264 VAC)
<b>Input frequency</b>	50/60 Hz
<b>Power Factor (PF) typical</b>	> 0,95
<b>Surge protection</b>	6 kV L-GND / N-GND, 4 kV L-N
<b>Intelligent inrush current control</b>	As standard
<b>Luminaire protection class</b>	CL I
<b>Installation direction</b>	No limits. (Not to be installed inside insulation to enable cooling)
<b>Luminaire luminous efficacy</b>	Up to 187 lm/W

	CRI >70	CRI >80	CRI >90	
5 700K		X	O	
5 000K	X	O		
4 000K	X	X		x = standard
3 000K	O			o = option

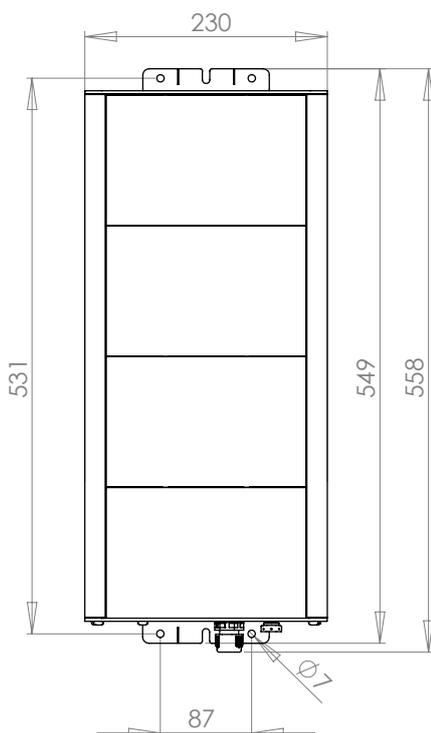
## Standard opening angles



# PRO<sup>+</sup> 4X



<b>LEDs:</b>	120
<b>Weight:</b>	5,6 kg
<b>Dimensions (WxLxH):</b>	507 x 230 x 86 mm
<b>Delivery:</b>	Fully assembled
<b>Dali addresses:</b>	1
<b>Inrush current peak:</b>	< 4A (pulses greater than 1ms), 15A, t=170µs, 10% of I <sub>peak</sub>
<b>Earth leakage current:</b>	0,58 mA
<b>Maintenance free operating life:</b>	100: >100kh (+25°C), 100kh (+40°C), 50kh (+50°C)
	120: >100kh (+25°C), 100kh (+35°C), 50kh (+45°C)
	140: >100kh (+25°C), 50kh (+35°C)



Version	100	120	140
<b>System power [W]</b>	99 W	120 W	146 W
<b>Current [A]</b>	0,45 A	0,55 A	0,67 A
<b>Luminous Flux* [lm]</b>	18 480 lm	21 990 lm	25 560 lm
<b>Luminaire dimming range</b>			
<b>HDFD minimum level</b>	25 %	20 %	18 %
<b>Light minimum level</b>	3 %	2 %	2 %
<b>Power minimum level</b>		4,4 W	

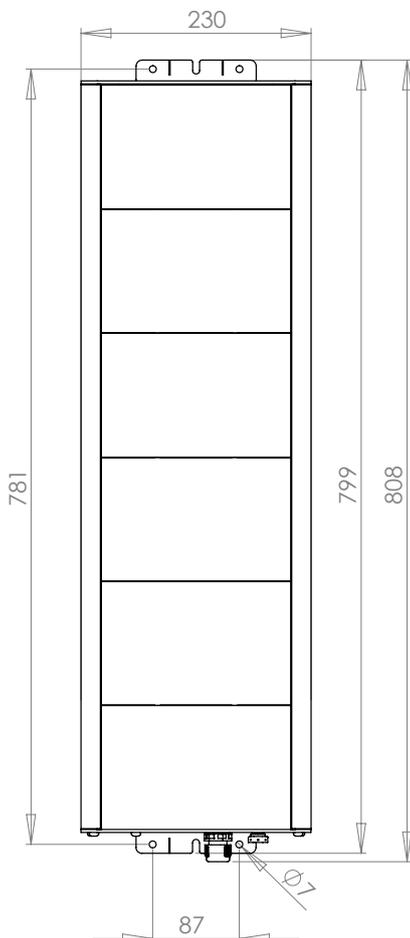
Values shown are nominal values and are subject to +/- 10% tolerance.

\* Luminous flux for 740, dependent on choice of optical solution. For latest values, ask for light distribution files.

# PRO<sup>+</sup> 6X



<b>LEDs:</b>	180
<b>Weight:</b>	7,6 kg
<b>Dimensions (WxLxH):</b>	757 x 230 x 86 mm
<b>Delivery:</b>	Fully assembled
<b>Dali addresses:</b>	1
<b>Inrush current peak:</b>	< 4A (pulses greater than 1ms), 15A, t=170µs, 10% of Ipeak
<b>Earth leakage current:</b>	0,61 mA
<b>Maintenance free operating life:</b>	150: >100kh (+25°C), 100kh (+35°C), 50kh (+45°C) 180: >100kh (+25°C), 100kh (+30°C), 50kh (+40°C) 220: >100kh (+20°C), 70kh (+25°C), 50kh (+30°C)



Version	150	180	220
<b>System power [W]</b>	149 W	180 W	218 W
<b>Current [A]</b>	0,68 A	0,82 A	1,00 A
<b>Luminous Flux* [lm]</b>	27 740 lm	32 960 lm	38 200 lm
<b>Luminaire dimming range</b>			
<b>HDFP minimum level</b>	25 %	20 %	18 %
<b>Light minimum level</b>	3 %	2 %	2 %
<b>Power minimum level</b>		5,3 W	

Values shown are nominal values and are subject to +/- 10% tolerance.

\* Luminous flux for 740, dependent on choice of optical solution. For latest values, ask for light distribution files.

# PRO<sup>+</sup> 8X



LEDs: 240

Weight: 9,7 kg

Dimensions (WxLxH): 1007 x 230 x 84 mm

Delivery: Without back mounting

Dali addresses: 1

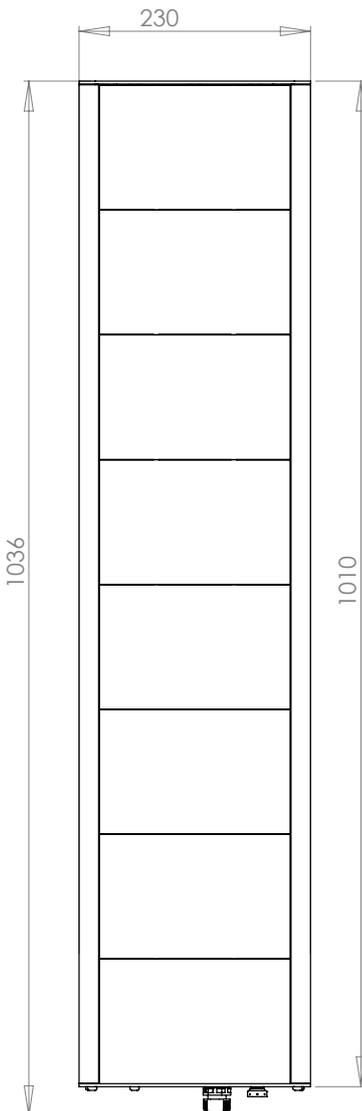
Inrush current peak: < 4A (pulses greater than 1ms), 15A, t=170µs, 10% of Ipeak

Earth leakage current: 0,69 mA

Maintenance free operating life: 200: >100kh (+25 °C), 100kh (+35 °C), 50kh (+45 °C)

240: >100kh (+25 °C), 100kh (+30 °C), 50kh (+40 °C)

280: >100kh (+20 °C), 70kh (+25 °C), 50kh (+30 °C)

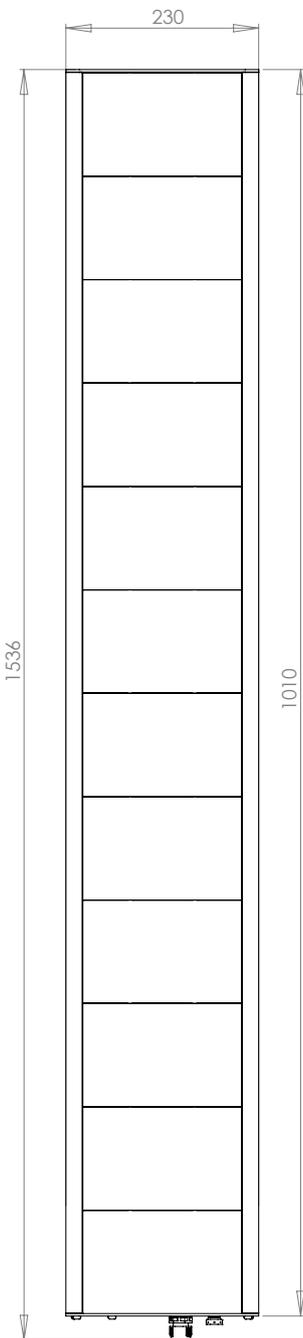


Version	200	240	280
System power [W]	198 W	240 W	286 W
Current [A]	0,91 A	1,10 A	1,31 A
Luminous Flux* [lm]	37 000 lm	43 900 lm	50 800 lm
<b>Luminaire dimming range</b>			
HDFP minimum level	25 %	20 %	18 %
Light minimum level	3 %	2 %	2 %
Power minimum level		6,4 W	

Values shown are nominal values and are subject to +/- 10% tolerance.

\* Luminous flux for 740, dependent on choice of optical solution. For latest values, ask for light distribution files.

# PRO<sup>+</sup> 12X



LEDs:	360
Weight:	14,9 kg
Dimensions (WxLxH):	1507 x 230 x 84 mm
Delivery:	Without back mounting
Dali addresses:	2
Inrush current peak:	< 8A (pulses greater than 1ms), 30A, t=170µs, 10% of Ipeak
Earth leakage current:	1,15 mA
Maintenance free operating life:	300: >100kh (+25°C), 100kh (+35°C), 50kh (+45°C) 360: >100kh (+25°C), 100kh (+30°C), 50kh (+40°C) 430: >100kh (+20°C), 70kh (+25°C), 50kh (+30°C)

Version	300	360	430
System power [W]	298 W	360 W	436 W
Current [A]	1,36 A	1,65 A	2,00 A
Luminous Flux* [lm]	55 500 lm	65 900 lm	76 000 lm
Luminaire dimming range			
HDFP minimum level	25 %	20 %	18 %
Light minimum level	3 %	2 %	2 %
Power minimum level		10,6 W	

Values shown are nominal values and are subject to +/- 10% tolerance.

\* Luminous flux for 740, dependent on choice of optical solution. For latest values, ask for light distribution files.

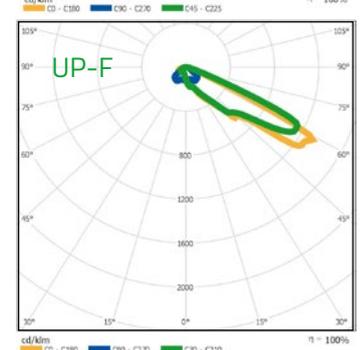
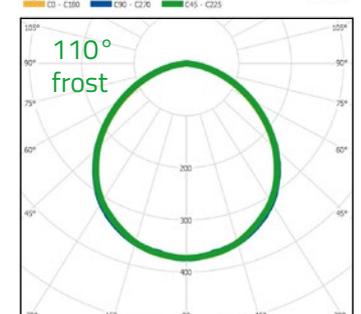
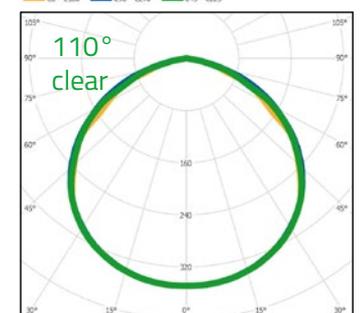
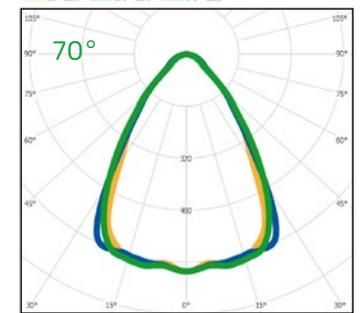
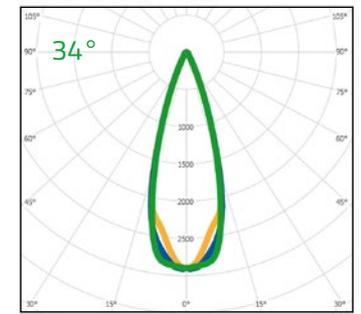
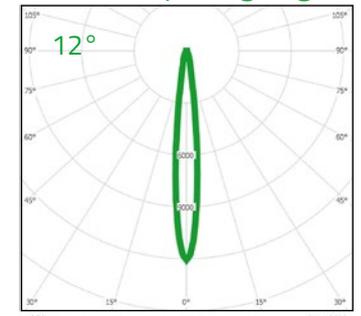
# PRO+ Series Xi - technical details

<b>Housing</b>	Anodized aluminium. Other surface treatments available in RAL colours, Ceramic coating for entire luminaire available for even improved wear resistance.
<b>Optics</b>	Easy LED optimized UV-stabilized PC optics with high impact resistance
<b>Light quality and dimming performance</b>	HDFF - Flicker Free dimming down to 350 mA and with PWM technology down to 50 mA (100 Hz).
<b>Protection rating</b>	IP66, D-marking and Ball impact safe (DIN 18032-3). IK09 available
<b>Temperature range</b>	Designed for ambient temperatures of -40°C ...+50°C (95 % RH), depending on the model
<b>Automatic thermal protection</b>	Inbuilt reversible thermal protection with output current dimming
<b>LED unit lumen maintenance L90B10, C10</b>	>200 000 h
<b>Remaining luminous flux after 100 000 h</b>	> 0,95
<b>Control</b>	Integrated DALI-2. CLO, MainsDIM and Kaamos available
<b>Connection</b>	Preassembled installation cable (plug and series connection available). 2x QPD 4PE2,5 connectors for series installation with M12 connector for control available.
<b>Safety light option</b>	186 - 250 VDC as standard (168 - 275 VDC with limited performance)
<b>Input voltage</b>	230 VAC (operation voltage range: 198 - 264 VAC)
<b>Input frequency</b>	50/60 Hz
<b>Power Factor (PF) typical</b>	> 0,95
<b>Surge protection</b>	10 kV L-GND / N-GND, 6 kV L-N
<b>Intelligent inrush current control</b>	As standard
<b>Luminaire protection class</b>	CL I
<b>Installation direction</b>	No limits. (Not to be installed inside insulation to enable cooling)
<b>Luminaire luminous efficacy</b>	Up to 191 lm/W

	CRI >70	CRI >80	CRI >90	
5 700K		X	O	
5 000K	X	O		
4 000K	X	X		x = standard
3 000K	O			o = option



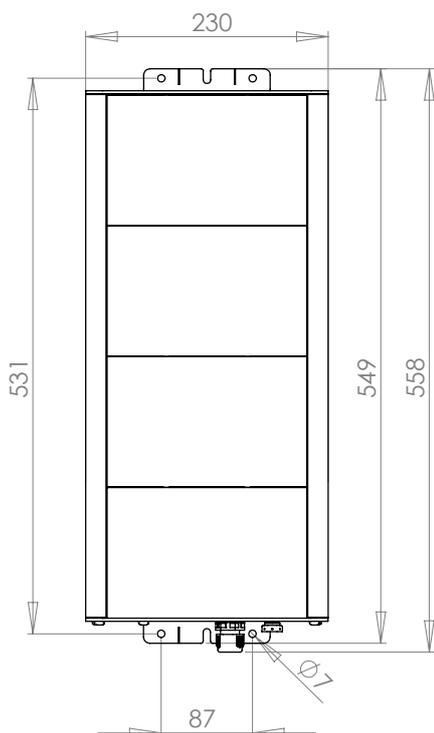
## Standard opening angles



# PRO+ 4Xi



LEDs:	88
Weight:	6,4 kg
Dimensions (WxLxH):	507 x 230 x 86 mm
Delivery:	Fully assembled
Dali addresses:	1
Inrush current peak:	13A, t = 1320µs (50 % of Ipeak)
Earth leakage current:	0,22 mA
Maintenance free operating life:	100: >100kh (+25°C), 100kh (+40°C), 50kh (+50°C) 120: >100kh (+25°C), 100kh (+35°C), 50kh (+45°C) 140: >100kh (+25°C), 50kh (+35°C)



Version	100	120	140
System power [W]	99 W	120 W	146 W
Current [A]	0,5 A	0,6 A	0,7 A
Luminous Flux* [lm]	18 420 lm	21 610 lm	25 110 lm
Luminaire dimming range			
HDFP minimum level	90%	75%	62%
Light minimum level	13 %	11 %	9 %
Power minimum level		18 W	

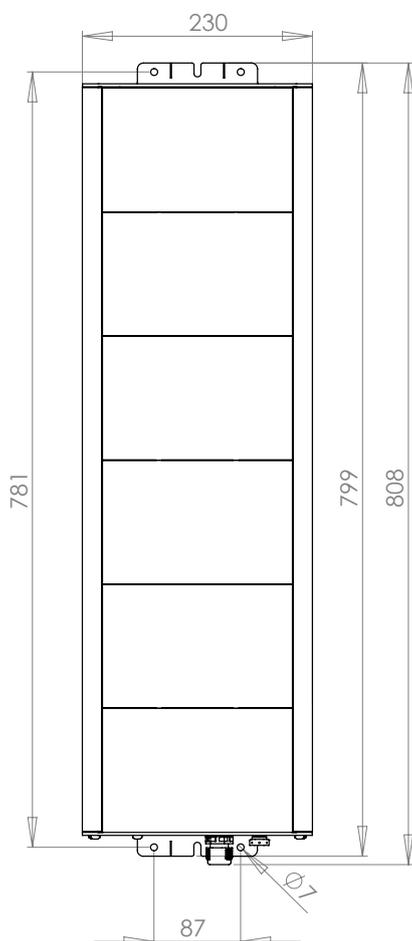
Values shown are nominal values and are subject to +/- 10% tolerance.

\* Luminous flux for 740, dependent on choice of optical solution. For latest values, ask for light distribution files.

# PRO<sup>+</sup> 6Xi



LEDs:	132
Weight:	8,4 kg
Dimensions (WxLxH):	757 x 230 x 86 mm
Delivery:	Fully assembled
Dali addresses:	1
Inrush current peak:	13A, t = 1320µs (50 % of Ipeak)
Earth leakage current:	0,22 mA
Maintenance free operating life:	130: >100kh (+25°C), 100kh (+40°C), 50kh (+50°C) 150: >100kh (+25°C), 100kh (+35°C), 50kh (+45°C) 180: >100kh (+25°C), 100kh (+30°C), 50kh (+40°C) 220: >100kh (+20°C), 75kh (+25°C), 50kh (+30°C)

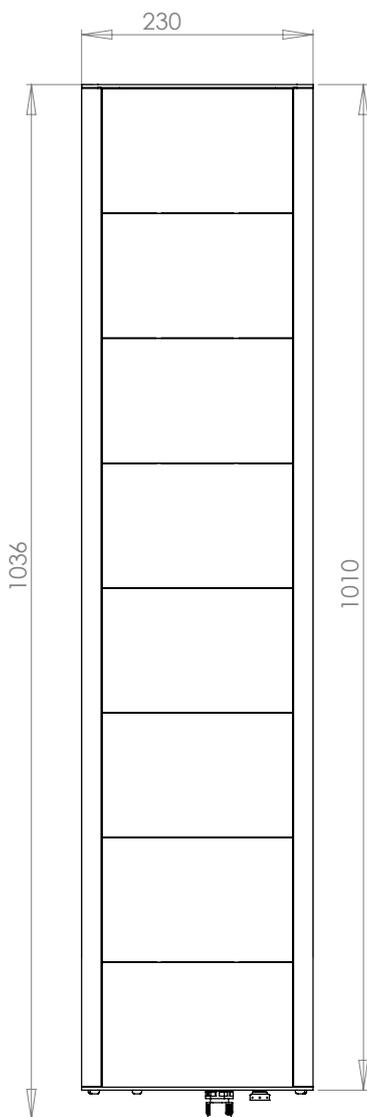


Version	130	150	180	220
System power [W]	128 W	149 W	180 W	218 W
Current [A]	0,6 A	0,7 A	0,8 A	1,0 A
Luminous Flux* [lm]	23 860 lm	27 610 lm	32 350 lm	37 900 lm
Luminaire dimming range				
HDFP minimum level	not available	90%	75%	62%
Light minimum level	16%	13%	11%	9%
Power minimum level	23 W			

Values shown are nominal values and are subject to +/- 10% tolerance.

\* Luminous flux for 740, dependent on choice of optical solution. For latest values, ask for light distribution files.

# PRO<sup>+</sup> 8Xi



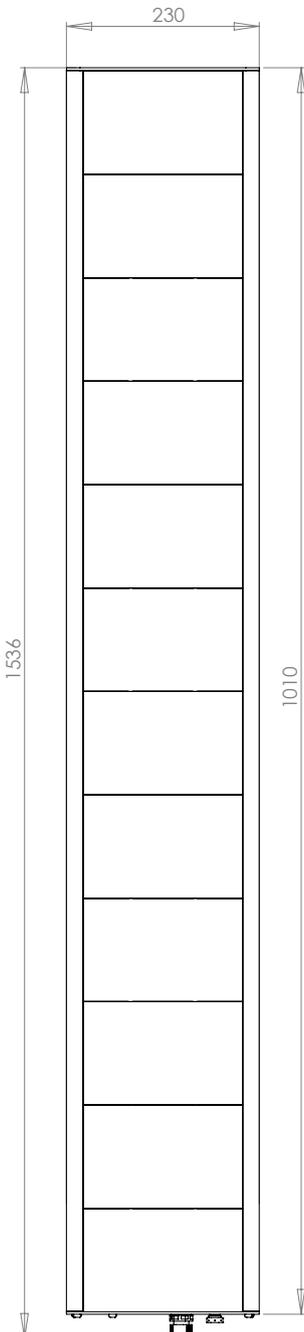
LEDs:	176
Weight:	10,5 kg
Dimensions (WxLxH):	1 007 x 230 x 84 mm
Delivery:	Without back mounting
Dali addresses:	1
Inrush current peak:	13A, t = 1320µs (50 % of Ipeak)
Earth leakage current:	0,22 mA
Maintenance free operating life:	150: >100kh (+25 °C), 100kh (+40 °C), 50kh (+50 °C) 200: >100kh (+25 °C), 100kh (+35 °C), 50kh (+45 °C) 240: >100kh (+25 °C), 50kh (+35 °C) 280: 100kh (+20 °C), 70kh (+25 °C), 50kh (+30 °C)

Version	150	200	240	280
System power [W]	154 W	198 W	240 W	286 W
Current [A]	0,7 A	0,9 A	1,1 A	1,3 A
Luminous Flux* [lm]	29 380 lm	36 800 lm	43 000 lm	50 400 lm
<b>Luminaire dimming range</b>				
HDFP minimum level	not available	90%	75%	62%
Light minimum level	17 %	13 %	11 %	9 %
Power minimum level	29 W			

Values shown are nominal values and are subject to +/- 10% tolerance.

\* Luminous flux for 740, dependent on choice of optical solution. For latest values, ask for light distribution files.

# PRO<sup>+</sup> 12Xi



LEDs:	264
Weight:	16,4 kg
Dimensions (WxLxH):	1 507 x 230 x 84 mm
Delivery:	Without back mounting
Dali addresses:	2
Inrush current peak:	2 x [13A, t = 1320µs] (50 % of Ipeak)
Earth leakage current:	0,44 mA
Maintenance free operating life:	300: >100kh (+25 °C), 100kh (+35 °C), 50kh (+45 °C) 360: >100kh (+25 °C), 100kh (+30 °C), 50kh (+40 °C) 430: >100kh (+20 °C), 75kh (+25 °C), 50kh (+30 °C)

Version	300	360	430
System power [W]	298 W	360 W	436 W
Current [A]	1,4 A	1,6 A	2,0 A
Luminous Flux* [lm]	55 200 lm	64 500 lm	75 500 lm
<b>Luminaire dimming range</b>			
HDFP minimum level	90%	75%	62%
Light minimum level	13 %	11 %	9 %
Power minimum level		46 W	

Values shown are nominal values and are subject to +/- 10% tolerance.

\* Luminous flux for 740, dependent on choice of optical solution. For latest values, ask for light distribution files.



## **PRO+ SERIES**

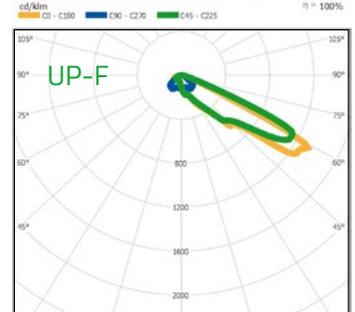
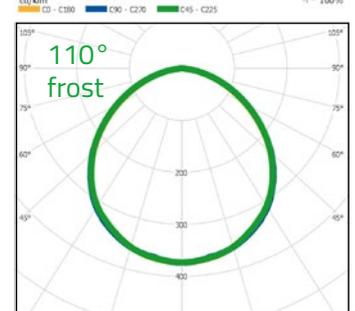
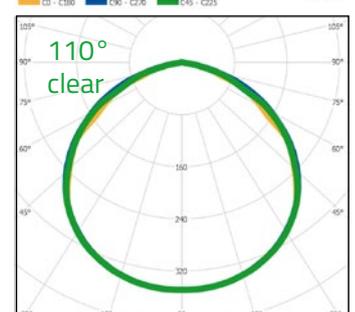
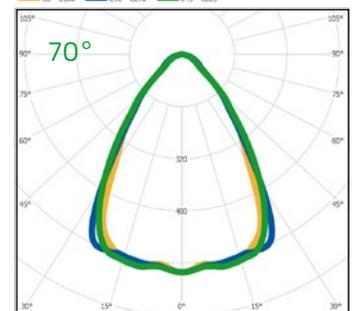
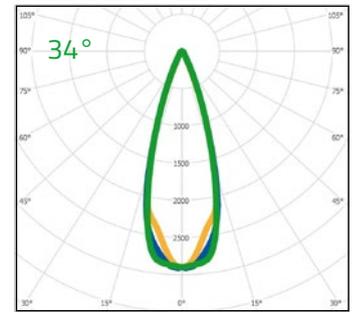
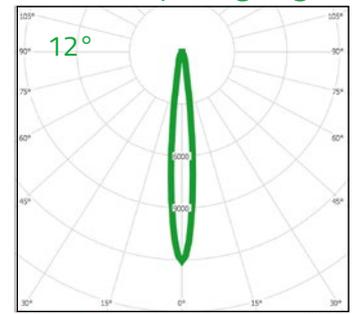
Long-term lighting solutions for various sports

# PRO+ Series - technical details

<b>Housing</b>	Anodized aluminium. Anti-corrosion treated steel. Other surface treatments available in RAL colours, Ceramic coating for entire luminaire available for even improved wear resistance.
<b>Optics</b>	Easy LED optimized UV-stabilized PC optics with high impact resistance
<b>Light quality and dimming performance</b>	Linear dimming down to 10 mA
<b>Protection rating</b>	IP66, D-marking and Ball impact safe (DIN 18032-3). IK09 available
<b>Temperature range</b>	Designed for ambient temperatures of -40°C ...+55°C (95 % RH), depending on the model.
<b>Automatic thermal protection</b>	Inbuilt reversible thermal protection with output current dimming
<b>LED unit lumen maintenance L90B10, C10</b>	>200 000 h
<b>Remaining luminous flux after 100 000 h</b>	> 0,95
<b>Control</b>	Integrated DALI-2 (DT 6). CLO and Kaamos available.
<b>Connection</b>	Preassembled installation cable (plug available). 2x QPD 4PE2,5 connectors for series installation with M12 connector for control available.
<b>Safety light option</b>	As standard - 176 - 280 VDC
<b>Input voltage</b>	230 VAC (operation voltage range 198 - 264 VAC)
<b>Input frequency</b>	50...60 Hz
<b>Power Factor (PF) typical</b>	> 0,95 (PRO+ 100 24W...8W: >0,9. 5,5W: 0,7)
<b>Surge protection</b>	10 kV L-GND, N-GND (EN 61000-4-5), 6 kV L-N (EN 61547)
<b>Luminaire protection class</b>	CL I
<b>Installation direction</b>	No limits. (Not to be installed inside insulation to enable cooling)
<b>Luminaire luminous efficacy</b>	Up to 182 lm/W

	CRI >70	CRI >80	CRI >90	
5 700K		X	O	
5 000K	X	O		
4 000K	X	X		x = standard
3 000K	O			o = option

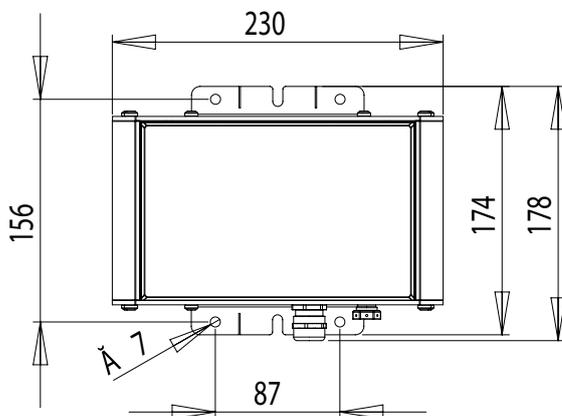
## Standard opening angles



# PRO<sup>+</sup> 100



LEDs:	8
Weight:	1,9 kg
Dimensions (WxLxH):	132 x 230 x 86 mm
Delivery:	Fully assembled
Dali addresses:	1
Earth leakage current:	0,15 mA
Temperature range:	200mA: -40°C ...+50°C or 300mA: -40°C ...+50°C or 450mA: -40°C ...+50°C (95 % RH)
Maintenance free operating life:	200mA: >100kh (+25°C), 100kh (+50°C) 330mA: >100kh (+25°C), 100kh (+50°C) 450mA: >100kh (+25°C), 100kh (+50°C)



Version	200 mA	300 mA	450 mA
System power [W]	5,5 W	8 W	11 W
Current [A]	0,04 A	0,04 A	0,06 A
Luminous Flux* [lm]	880 lm	1 280 lm	1 870 lm
Luminaire dimming range			
Light minimum level	5%	3%	2%
Power minimum level		1,2W	

Values shown are nominal values and are subject to +/- 10 % tolerance.

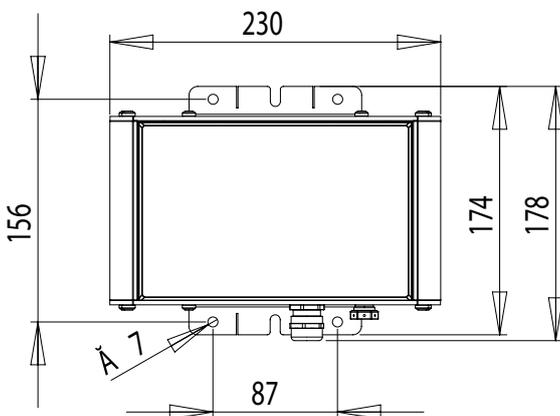
\*Luminous flux for 740, dependent on choice of optical solution.

For latest values, ask for light distribution files.

# PRO<sup>+</sup> 100



LEDs:	22
Weight:	1,9 kg
Dimensions (WxLxH):	132 x 230 x 86 mm
Delivery:	Fully assembled
Dali addresses:	1
Earth leakage current:	0,17 mA
Temperature range:	200mA: -40°C ...+55°C or 330mA: -40°C ...+50°C or 440mA: -40°C ...+40°C or 600mA: -40°C ...+35°C (95 % RH)
Maintenance free operating life:	200mA: >100kh (+25°C), 100kh (+55°C) 330mA: >100kh (+25°C), 100kh (+45°C), 75kh (+50°C) 440mA: >100kh (+25°C), 100kh (+35°C), 90kh (+40°C) 600mA: >100kh (+25°C), 100kh (+30°C), 75kh (+35°C)



Version	200 mA	330 mA	440 mA	600 mA
System power [W]	14 W	22 W	29 W	40 W
Current [A]	0,08 A	0,11 A	0,14 A	0,19 A
Luminous Flux* [lm]	2 410 lm	3 820 lm	4 910 lm	6 340 lm
Luminaire dimming range				
Light minimum level	8%	5%	4%	3%
Power minimum level		2,5W		

Values shown are nominal values and are subject to +/- 10 % tolerance.

\*Luminous flux for 740, dependent on choice of optical solution.

For latest values, ask for light distribution files.

# PRO<sup>+</sup> 200



LEDs: 44

Weight: 3,1 kg

Dimensions (WxLxH): 257 x 230 x 86 mm

Delivery: Fully assembled

Dali addresses: 1

Earth leakage current: 0,15 mA

Temperature range: 380mA: -40°C ...+55°C or

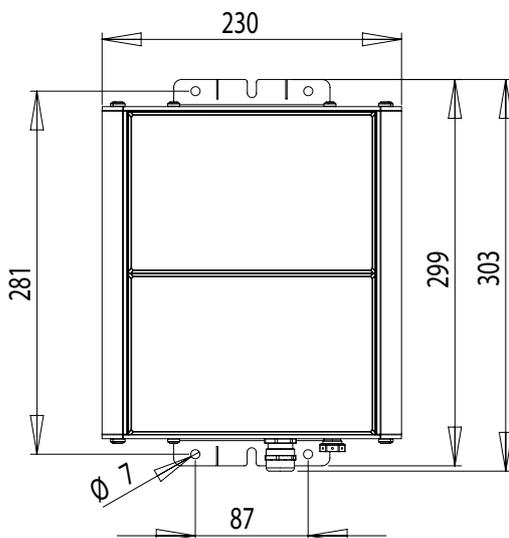
460mA: -40°C ...+50°C or

530mA: -40°C ...+45°C (95 % RH)

Maintenance free operating life: 380mA: >100kh (+25°C), 100kh (+45°C), 50kh (+55°C)

460mA: >100kh (+25°C), 100kh (+35°C), 50kh (+50°C)

530mA: >100kh (+25°C), 100kh(+30°C), 50kh (+45°C)



Version	380 mA	460 mA	530 mA
System power [W]	50 W	60 W	68 W
Current [A]	0,24 A	0,28 A	0,32 A
Luminous Flux* [lm]	8 520 lm	10 160 lm	11 630 lm
Luminaire dimming range			
Light minimum level	8 %	7 %	6 %
Power minimum level		6 W	

Values shown are nominal values and are subject to +/- 10 % tolerance.

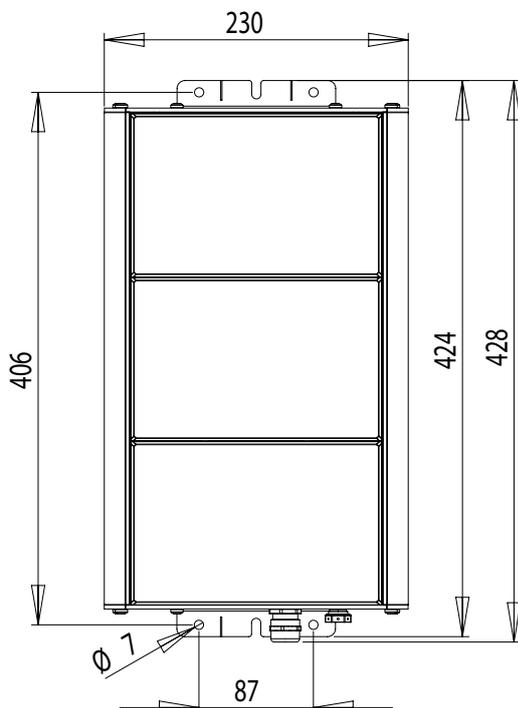
\*Luminous flux for 740, dependent on choice of optical solution.

For latest values, ask for light distribution files.

# PRO<sup>+</sup> 400



LEDs:	66
Weight:	4,8 kg
Dimensions (WxLxH):	382 x 230 x 86 mm
Delivery:	Fully assembled
Dali addresses:	1
Earth leakage current:	0,17 mA
Temperature range:	380mA: -40°C ...+50°C or 460mA: -40°C ...+45°C (95 % RH)
Maintenance free operating life:	380mA: >100kh (+25°C), 100kh (+40°C), 50kh (+50°C) 460mA: >100kh (+25°C), 100kh (+40°C), 65kh (+45°C)



Version	380 mA	460 mA
System power [W]	75 W	90 W
Current [A]	0,35 A	0,41 A
Luminous Flux* [lm]	13 120 lm	15 740 lm
Luminaire dimming range		
Light minimum level	6 %	5 %
Power minimum level		8 W

Values shown are nominal values and are subject to +/- 10% tolerance.

\*Luminous flux for 740, dependent on choice of optical solution.

For latest values, ask for light distribution files.

# PRO<sup>+</sup> 500



LEDs: 88

Weight: 5,9 kg

Dimensions (WxLxH): 507 x 230 x 86 mm

Delivery: Fully assembled

Dali addresses: 1

Earth leakage current: 0,09 mA

Temperature range: 310mA: -40°C ...+50°C or

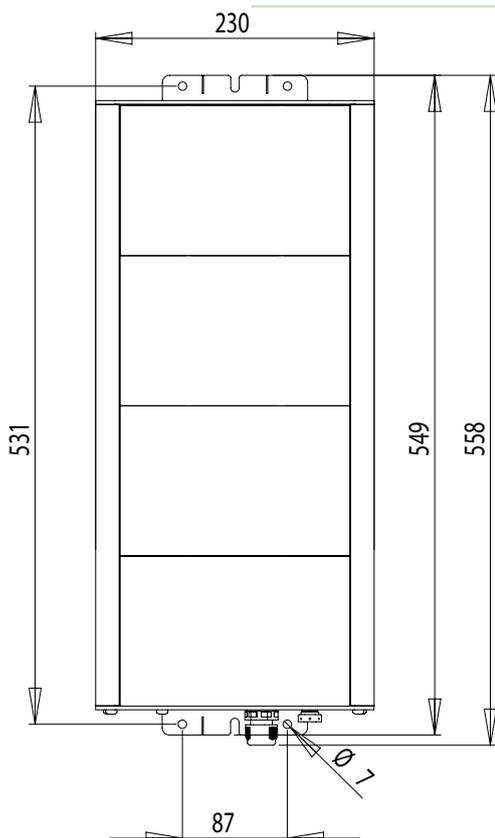
380mA: -40°C ...+45°C or

460mA: -40°C ...+40°C (95 % RH)

Maintenance free operating life: 310mA: >100kh (+25°C), 100kh (+40°C), 50kh (+50°C)

380mA: >100kh (+25°C), 100kh (+35°C), 50kh (+45°C)

460mA: >100kh (+25°C), 100kh (+30°C), 50kh (+40°C)



Version	310 mA	380 mA	460 mA
System power [W]	81 W	99 W	120 W
Current [A]	0,37 A	0,45 A	0,54 A
Luminous Flux* [lm]	14 770 lm	17 840 lm	20 990 lm
Luminaire dimming range			
Light minimum level	7 %	6 %	5 %
Power minimum level		9 W	

Values shown are nominal values and are subject to +/- 10% tolerance.

\*Luminous flux for 740, dependent on choice of optical solution.

For latest values, ask for light distribution files.



## **PRO+ SERIES**

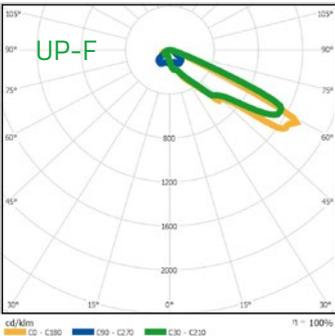
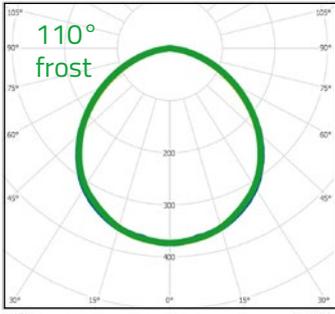
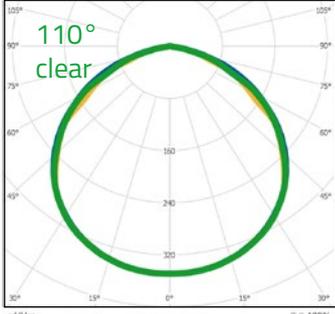
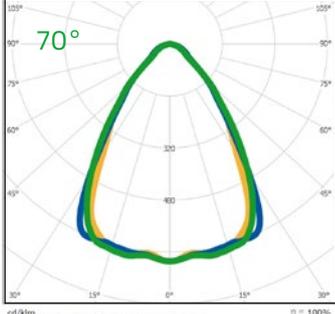
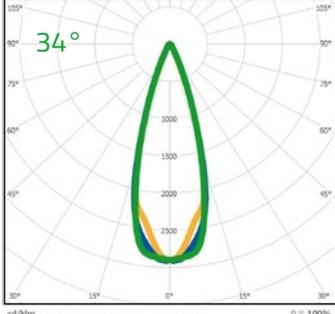
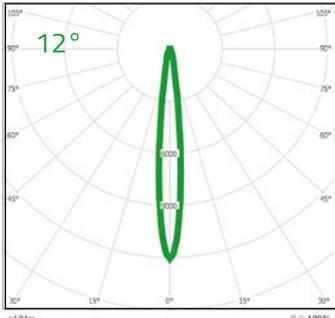
**Efficient and durable  
lighting for challenging  
environments**

# PRO+ 1X Series - technical details

<b>Housing</b>	Anodized aluminium. Anti-corrosion treated steel. Other surface treatments available in RAL colours, Ceramic coating for entire luminaire available for even improved wear resistance.
<b>Optics</b>	Easy LED optimized UV-stabilized PC optics with high impact resistance
<b>Light quality and dimming performance</b>	HDFP - Flicker Free dimming. Best high speed imaging performance at power levels of 41...25 W. Flicker less than 1 % (>8 W). Dimming down to 1 % (PWM >1 kHz).
<b>Protection rating</b>	IP66 and Ball impact safe. IK09 available.
<b>Temperature range</b>	Designed for ambient temperatures up to +50°C (95 % RH)
<b>Automatic thermal protection</b>	Inbuilt thermal protection
<b>LED unit lumen maintenance L90B10, C10</b>	50 000 h
<b>Remaining luminous flux after 100 000 h</b>	0,90
<b>Control</b>	DALI-2
<b>Connection</b>	2x QPD 4PE2,5 connectors for series installation with M12 connector for control. Preassembled installation cable and plug available.
<b>Safety light option</b>	230 VAC (operation range: 120 - 277 VAC)
<b>Input frequency</b>	50...60 Hz
<b>Power Factor (PF) typical</b>	> 0,90
<b>Surge protection</b>	1 kV L-N
<b>Luminaire protection class</b>	CL I
<b>Installation direction</b>	No limits. (Not to be installed inside insulation to enable cooling)
<b>Luminaire luminous efficacy</b>	Up to 152 lm/W

	CRI >70	CRI >80	CRI >90	
5 700K		X	O	
5 000K	X	O		
4 000K	X	X		x = standard
3 000K	O			o = option

## Standard opening angles



# PRO<sup>+</sup> 1X



LEDs: 16

Weight: 1,9 kg

Dimensions (WxLxH): 132 x 230 x 86 mm

Delivery: Fully assembled

Dali addresses: 1

Temperature range: 25: -20°C ...+50°C or

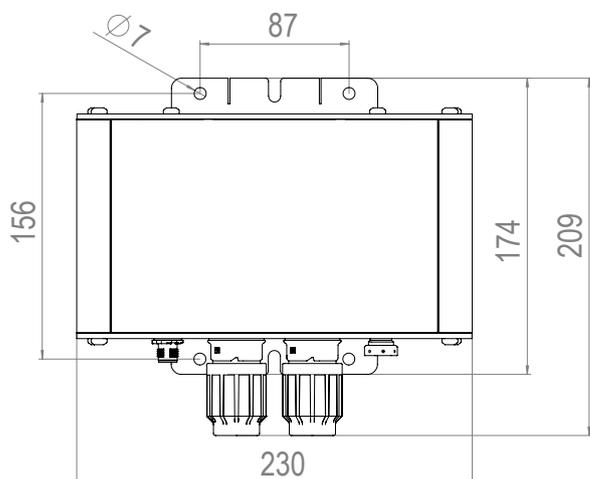
33: -20°C ...+45°C or

40: -20°C ...+35°C (90% RH)

Maintenance free operating life: 25: 50kh (+45°C), 25kh (+50°C)

33: 50kh (+40°C), 25kh (+45°C)

40: 50kh (+30°C), 25kh (+35°C)



Version	25	33	40
System power [W]	25 W	33 W	42 W
Current [A]	0,12 A	0,15 A	0,19 A
Luminous Flux* [lm]	3 810 lm	4 950 lm	6 090 lm
Luminaire dimming range			
HDFP minimum level	32 %	25 %	19 %
Light minimum level	2 %	2 %	1 %
Power minimum level		1 W	

Values shown are nominal values and are subject to +/- 10% tolerance.

\*Luminous flux for 740, dependent on choice of optical solution.

For latest values, ask for light distribution files.

# PRO<sup>+</sup> 2X



LEDs: 32

Weight: 3,3 kg

Dimensions (WxLxH): 257 x 230 x 86 mm

Delivery: Fully assembled

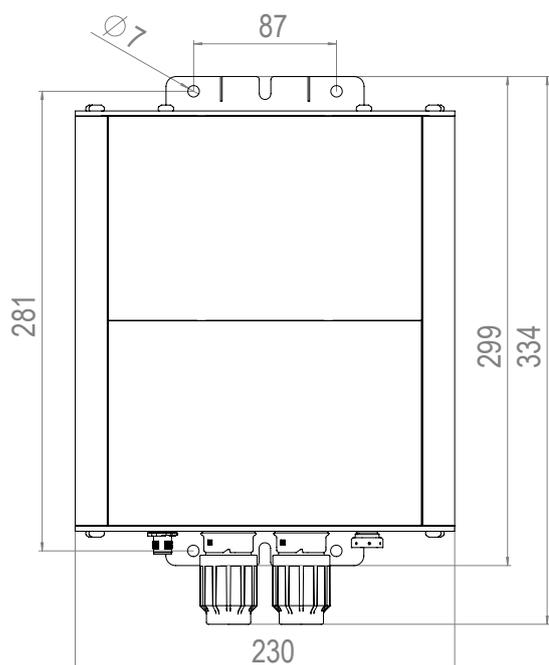
Dali addresses: 2

Temperature range: 50: -20°C ...+50°C or

65: -20°C ...+45°C (90% RH)

Maintenance free operating life: 50: 50kh (+45°C), 25kh (+50°C)

65: 50kh (+40°C), 25kh (+45°C)



Version	50	65
System power [W]	50 W	65 W
Current [A]	0,25 A	0,30 A
Luminous Flux* [lm]	7 460 lm	9 610 lm
Luminaire dimming range		
HDFP minimum level	32 %	25 %
Light minimum level	2 %	2 %
Power minimum level	2 W	

Values shown are nominal values and are subject to +/- 10% tolerance.

\*Luminous flux for 740, dependent on choice of optical solution.

For latest values, ask for light distribution files.

# EASY | LED

## EASY LED THE BRIGHTEST CHOICE

Investing in high quality LED lighting will give you value for now and far in the future. Easy LED Oy is a Finnish company specialized in manufacturing energy efficient LED-lighting for sports, industry, road, area, commercial, retail and office space lighting purposes.

Easy LED Oy  
Meriniitynkatu 11  
24100 Salo - Finland  
p. +358 2 737 44 20  
[www.easyled.fi](http://www.easyled.fi)

