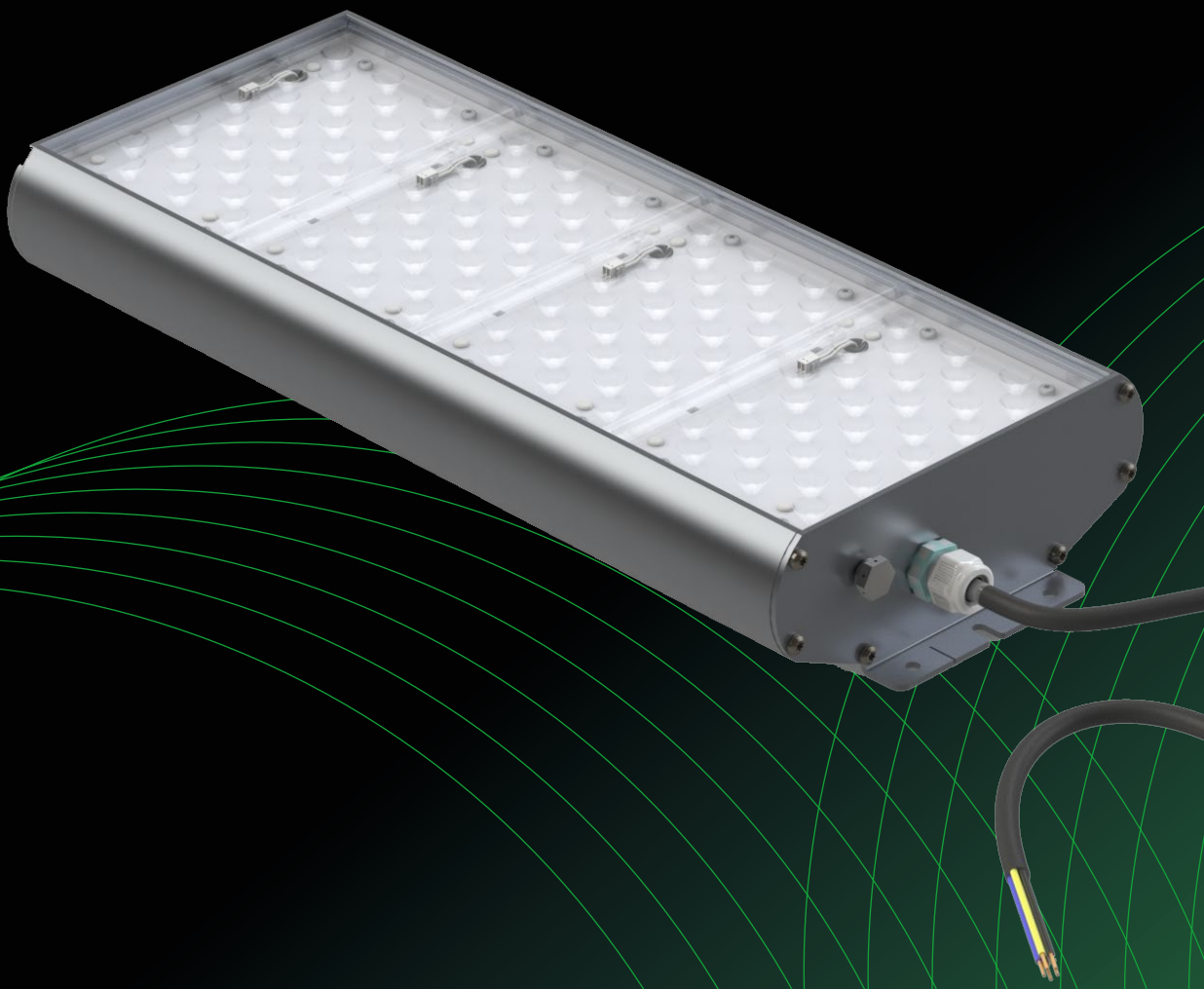
PRO+ Series

INDUSTRY ▪ SPORTS ▪ RETAIL ▪ LEISURE ▪ AGRICULTURE



EASY LED

DESIGN FROM FINLAND

MADE IN FINLAND

PRO+ SERIES X

More light
Efficacy up to
191 lm/W

PRO+ Series Xi - technical details

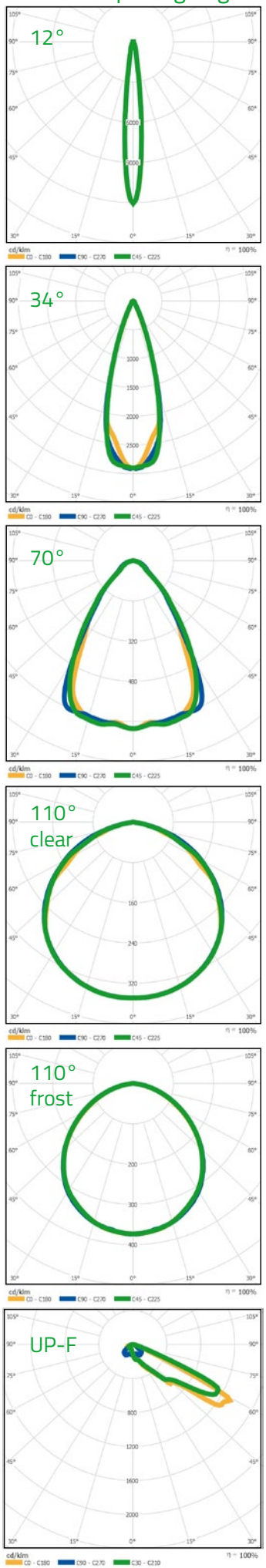
Housing	Anodized aluminium. Other surface treatments available in RAL colours, Ceramic coating for entire luminaire available for even improved wear resistance.
Optics	Easy LED optimized UV-stabilized PC optics with high impact resistance
Light quality and dimming performance	HDFF - Flicker Free dimming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

	CRI >70	CRI >80	CRI >90
5 700K		x	o
5 000K	x	o	
4 000K	x	x	
3 000K	o		

x = standard
o = option

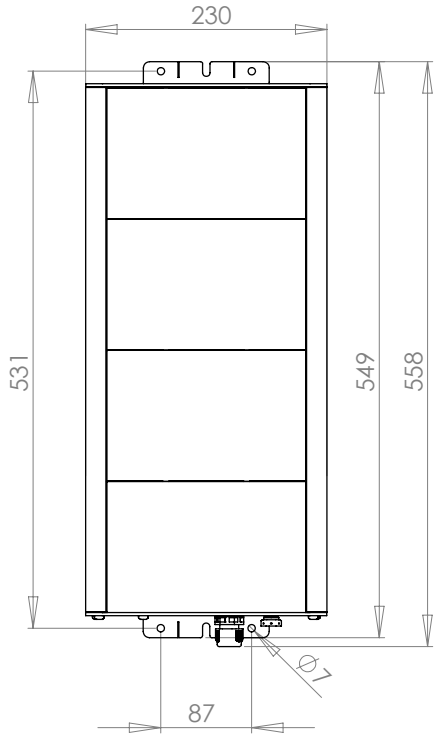
IP 66 IK 09

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)



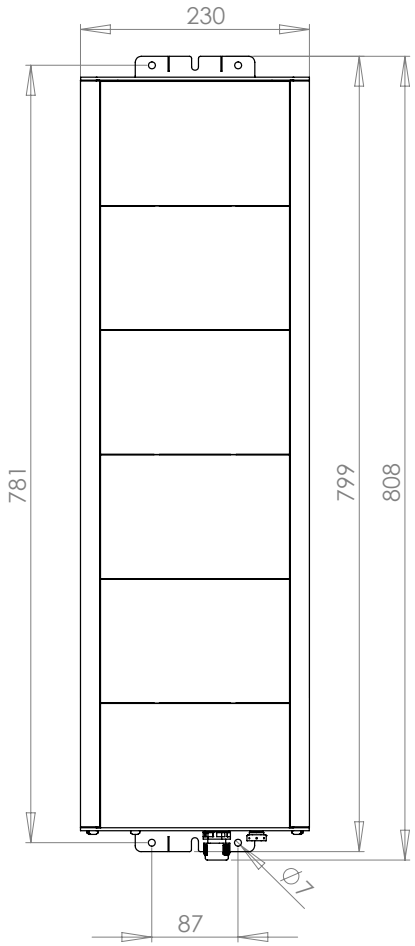
Version	100	120	140
System power [W]	99 W	120 W	146 W
Current [A]	0,5 A	0,6 A	0,7 A
Luminous Flux* [lm]	18 420 lm	21 610 lm	25 110 lm
Luminaire dimming range			
HDFF minimum level	90%	75%	62%
Light minimum level	13 %	11 %	9 %
Power minimum level		18 W	

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

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

PRO+ 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)

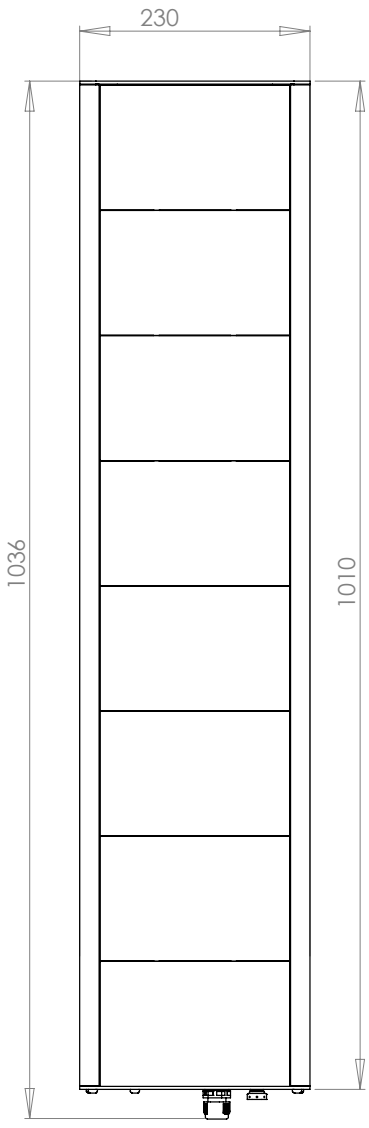


Version	130	150	180	220
System power [W]	128 W	149 W	180 W	218 W
Current [A]	0,6 A	0,7 A	0,8 A	1,0 A
Luminous Flux* [lm]	23 860 lm	27 610 lm	32 350 lm	37 900 lm
Luminaire dimming range				
HDFF minimum level	not available	90%	75%	62%
Light minimum level	16%	13 %	11 %	9 %
Power minimum level	23 W			

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

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

PRO+ 8Xi



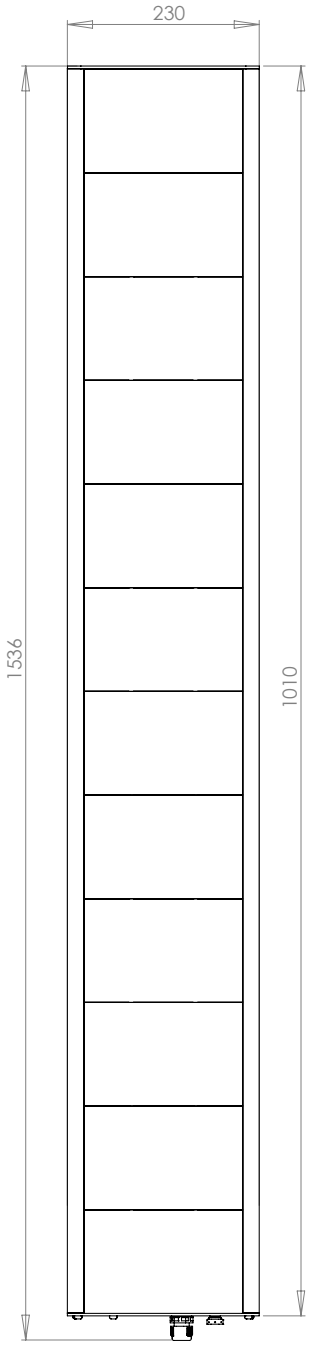
LEDs:	176
Weight:	10,5 kg
Dimensions (WxLxH):	1 007 x 230 x 84 mm
Delivery:	Without back mounting
Dali addresses:	1
Inrush current peak:	13A, t = 1320µs (50 % of Ipeak)
Earth leakage current:	0,22 mA
Maintenance free operating life:	150: >100kh (+25°C), 100kh (+40°C), 50kh (+50°C)
	200: >100kh (+25°C),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

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

PRO+ 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
Luminaire dimming range			
HDFF 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.

* Luminoux 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

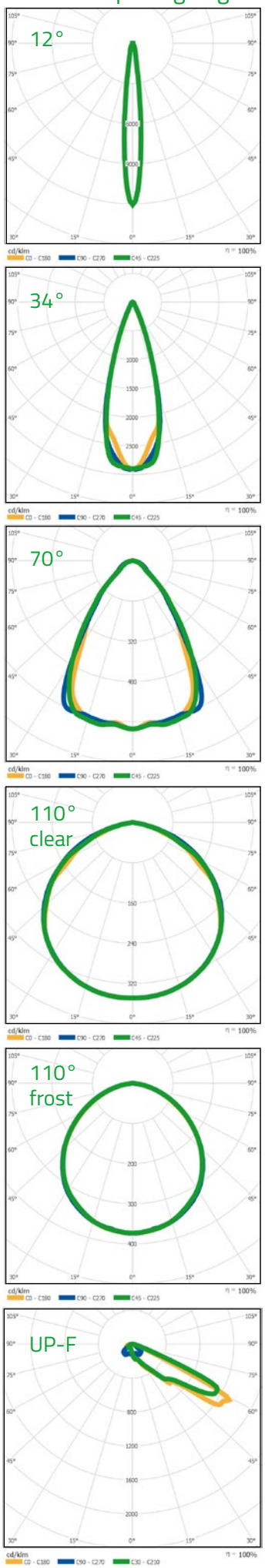
PRO+ Series - technical details

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

	CRI >70	CRI >80	CRI >90
5 700K		x	o
5 000K	x	o	
4 000K	x	x	
3 000K	o		

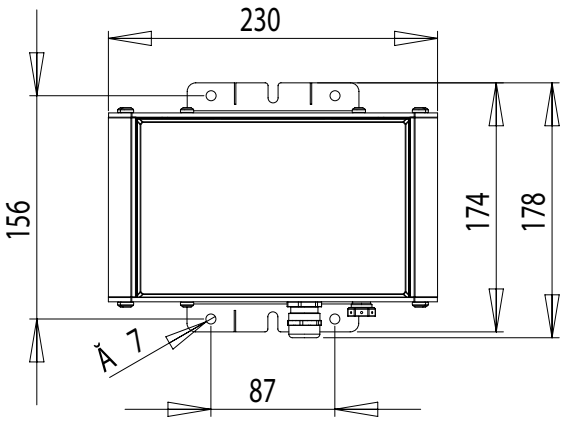
x = standard
o = option

Standard opening angles



PRO+ 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	

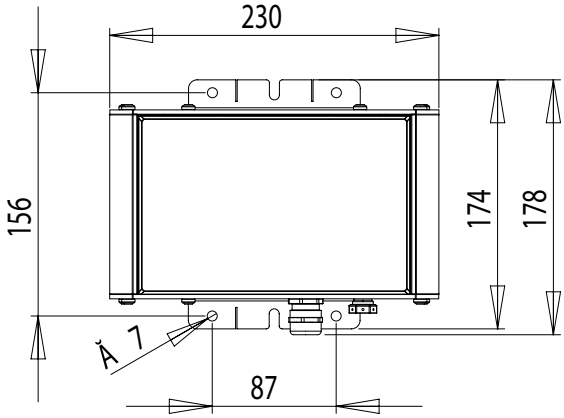
Values shown are nominal values and are subject to +/- 10 % tolerance.

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

For latest values, ask for light distribution files.

PRO+ 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			

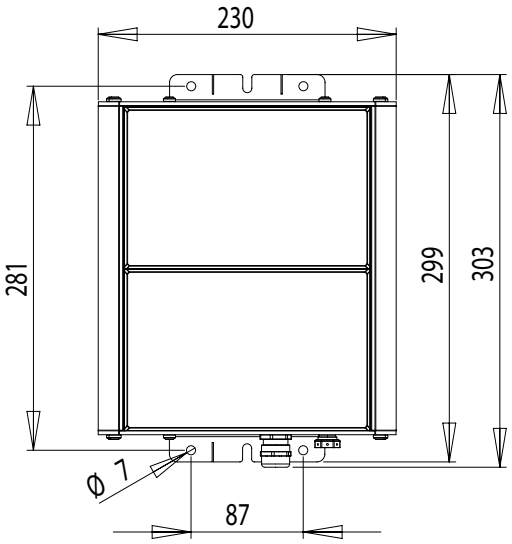
Values shown are nominal values and are subject to +/- 10 % tolerance.

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

For latest values, ask for light distribution files.

PRO+ 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	

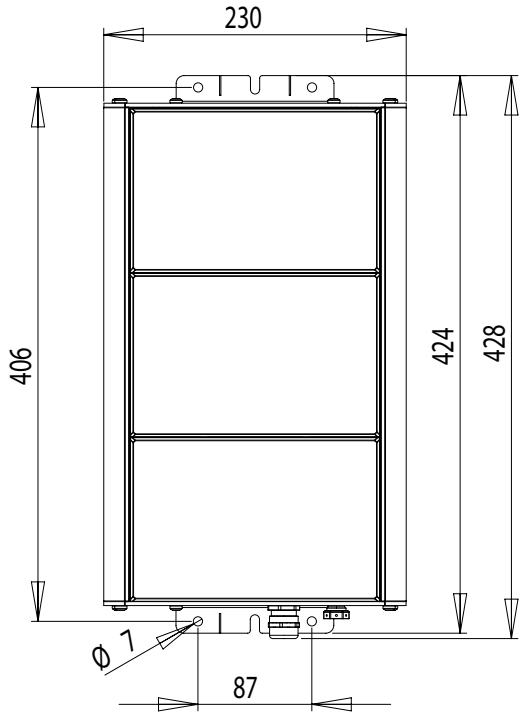
Values shown are nominal values and are subject to +/- 10 % tolerance.

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

For latest values, ask for light distribution files.

PRO+ 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	

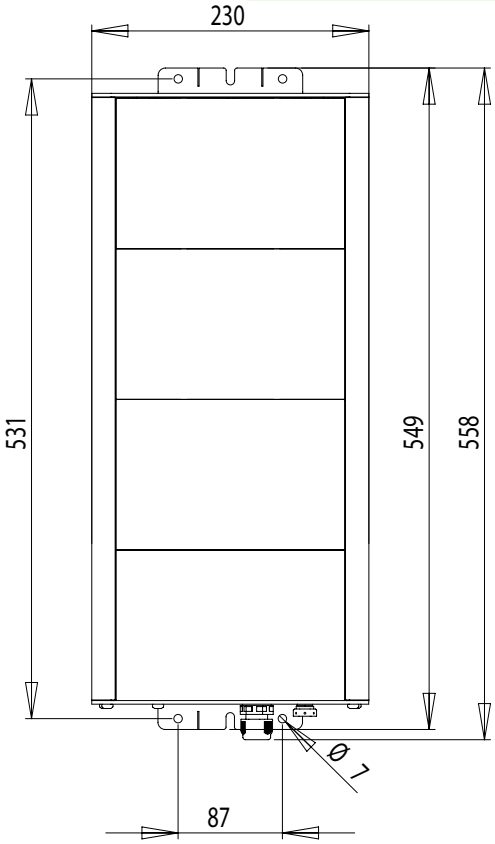
Values shown are nominal values and are subject to +/- 10 % tolerance.

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

For latest values, ask for light distribution files.

PRO+ 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

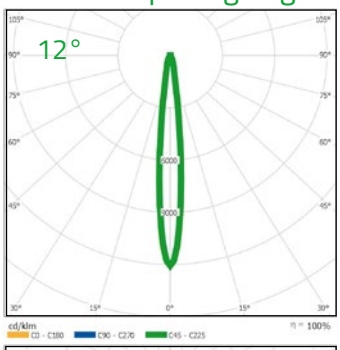
PRO+ 1X Series - technical details

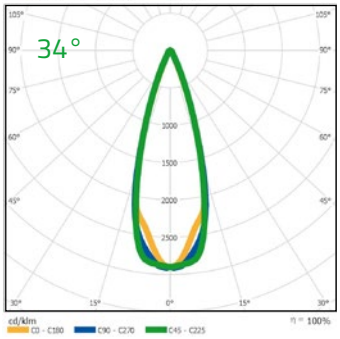
Housing	Anodized aluminium. Anti-corrosion treated steel. Other surface treatments available in RAL colours, Ceramic coating for entire luminaire available for even improved wear resistance.
Optics	Easy LED optimized UV-stabilized PC optics with high impact resistance
Light quality and dimming performance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

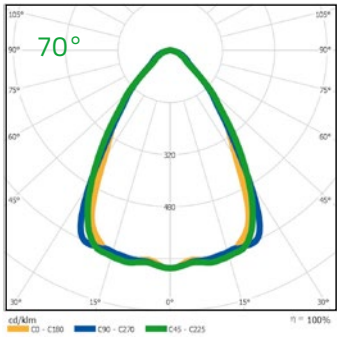
	CRI >70	CRI >80	CRI >90
5 700K		x	o
5 000K	x	o	
4 000K	x	x	
3 000K	o		

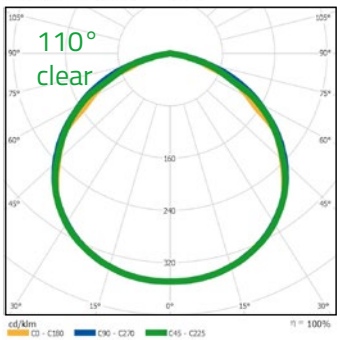
x = standard
o = option

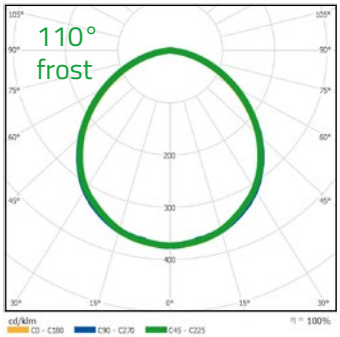
Standard opening angles

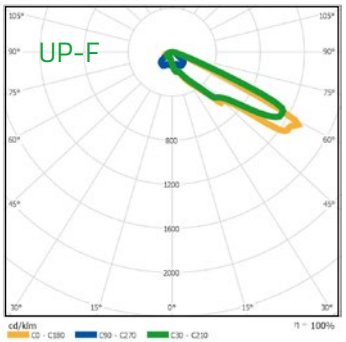






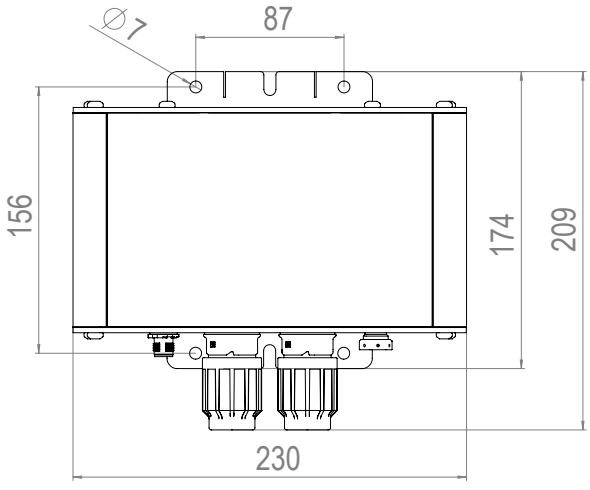






PRO+ 1X

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			
HDFF minimum level	32 %	25 %	19 %
Light minimum level	2 %	2 %	1 %
Power minimum level		1 W	

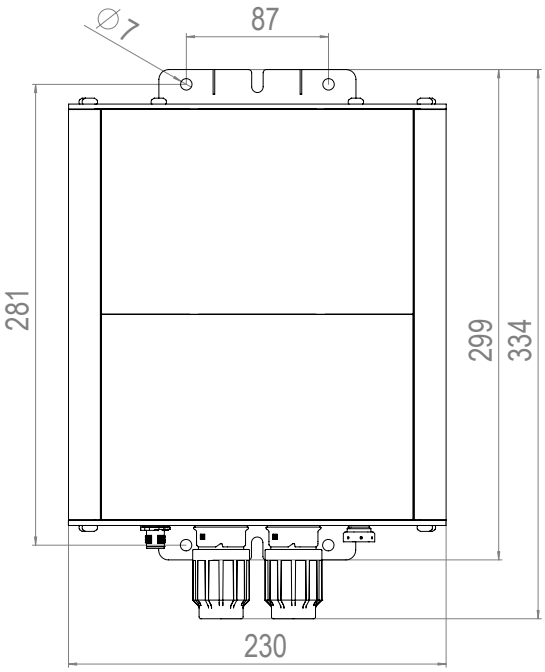
Values shown are nominal values and are subject to +/- 10 % tolerance.

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

For latest values, ask for light distribution files.

PRO+ 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		
HDFF 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.

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DESIGN FROM FINLAND

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