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ADONIS ARCHITECTURAL White High Efficacy Opal IP67

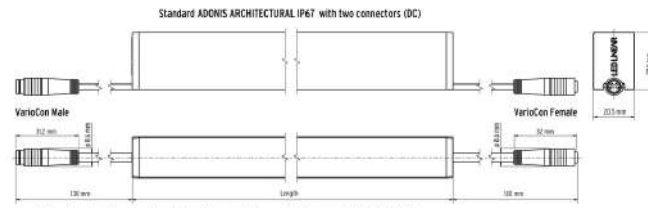|	
Area:	**Outdoor Luminaires**
Category:	**In-ground / Rigid light lines / Grazer**
Mounting:	**Surface Mounting fixed horizontal (SH) / Surface Mounting fixed vertical (SV) / Adjustable arm / Surface Mounting adjustable (SA) / Mounting Lock (ML) / Inground mounting frame (IF) / Glare Protection**

Miniaturized design meets architectural scales: Its exceptional integration makes ADONIS ARCHITECTURAL an excellent choice for grazing applications and direct illumination on façades and ceilings.

- A multitude of options include several power levels and color temperatures plus a variety of light engines ranging from static white to RGBW, as well as 10°, 30° or 60° and opal optics to choose from.

- Polyurethane is utilized in ADONIS ARCHITECTURAL to make it more resistant to impact from salt water UV-light and solvents. High protection against vandalism thanks to a robust, powder-coated aluminum profile with an IK10 certification.

- The choice between solid and translucent end caps combined with smart cabling and mounting options enables seamless light lines.

Detailed specification text in download section.

DIMENSIONS & AVAILABLE LENGTHS

20.5 mm x 28.5 mm

Standard ADONIS ARCHITECTURAL IP67 with two connectors (DC)

VarioCon Male

VarioCon Female

For cable / connector configuration options 0T and 00 the existing connector(s) are replaced with open-ended cable(s) of 2 m length.

Fixture build to length (not field cutable): L = (N x 62.5 mm) + 14 mm; N = 5 … 64; L_{min} = 327 mm; L_{max} = 4,014 mm

TECHNICAL SPECIFICATIONS

Certifications

Awards

Family Key Features

Continuous row	Surface-mounted / Ceiling	Drive over	In-ground

Technical Data/Performance

Static White	IP67	Lifetime	Photo-metrical code	SDCM3	CIE S-025 compliant	LM80 compliant	OneBinOnly
Impact resistant	Reel-to-Reel (R2R) production	UV protected	Resistant to solvents	Saltwater resistant	Temporary immersion protection	WEEE	Stream jets resistant
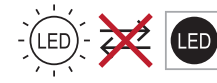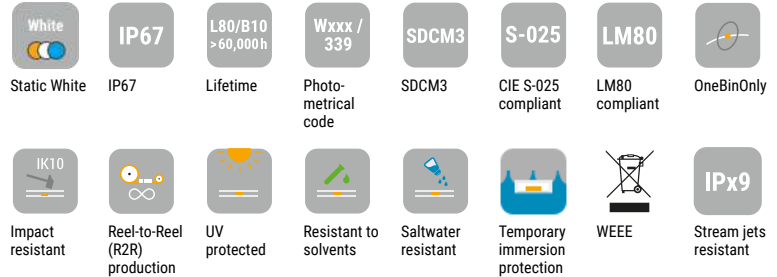
Compliant with EU ECODESIGN guidelines

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ELECTRICAL & OUTPUT DATA

Voltage	24 Volt (23 V_{min}, 25 V_{max})
Case Temperature (Tc_{min} & Tc_{max})	Tc_{min} = -25°C, Tc_{max} = specific, see Table below
Storage Temperature (Ts_{min} & Ts_{max})	Ts_{min} = −30°C, Ts_{max} = 85°C
Ambient Temperature (Ta_{min} & Ta_{max})	Ta_{min} = -25°C, Ta_{max} = specific, see Table below

ADONIS ARCHITECTURAL White High Efficacy Opal IP67	HE 05	HE 10	HE 15	HE 20	HE 28	HE 36
Power (W/m)[A]	5	10	15	20	28	36
Efficacy (lm/W)[A] (up to)	54	65	66	68	70	71
max. length (m)	4.02	4.02	4.02	4.02	4.02	3.02
max. serial run length (m)	12.0	8.0	7.0	5.0	4.0	3.0
Recommended max. run length (m) for luminous flux loss < 10% (m)	11.3	7.8	6.3	5.0	4.0	3.0
CRI (up to)	85	85	85	85	85	85
R9 (up to)	19	19	19	19	19	19
Temperature Tc-point (Tc_{max})[B]	70°C	70°C	70°C	75°C	85°C	85°C
max. ambient temp. (Ta_{max})	50°C	50°C	50°C	45°C	35°C	35°C

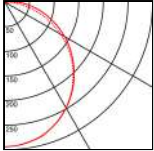|			low output					high output
Color temperature			HE 05	HE 10	HE 15	HE 20	HE 28	HE 36
Order Code	Delivered CCT				lumen/m (lm/m) [A]			
🟠	W818	1,800 K	200	470	700	950	1340	1810
🟠	W822	2,100 K	240	540	780	1100	1600	2100
🟠	W825	2,400 K	260	590	880	1200	1720	2280
🟠	W827	2,600 K	270	630	910	1270	1790	2410
🟠	W830	2,900 K	280	660	960	1290	1860	2500
🟠	W835	3,300 K	280	670	970	1320	1890	2570
🟠	W840	3,800 K	280	680	990	1350	1930	2580

! Use the online configurator to configure the specific luminaire or tape.

[A]The given data are typical values. Due to tolerances of the production process and the electrical components, photometric values and electrical power can vary up to 10%
[B]The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

AVAILABLE OPTICS

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ORDER CODE

Example:

ADONIS ARCHITECTURAL HE 05 W818 W OL DC S SH IP67

CONFIGURE NOW!	
Options for the order code:	**Your selections ☐ :**
Variant	
Stand-alone	☐
LED tape	
HE 05 (5 W/m)	☐ HE 05
HE 10 (10 W/m)	☐ HE 10
HE 15 (15 W/m)	☐ HE 15
HE 20 (20 W/m)	☐ HE 20
HE 28 (28 W/m)	☐ HE 28
HE 36 (36 W/m)	☐ HE 36
Color temperature	
1,800 K	☐ W818
2,100 K	☐ W821
2,400 K	☐ W824
2,600 K	☐ W826
2,900 K	☐ W829
3,300 K	☐ W833
3,800 K	☐ W838
Housing color	
White (RAL9003)	☐ W
Black (RAL9005)	☐ B
Gray (RAL9022)	☐ G
Optics	
Opal	☐ OL
Mounting accessory	
Surface Horizontal	☐ SH
Surface Vertical	☐ SV
Surface Adjustable	☐ SA
Mounting Lock	☐ ML
Adjustable Arm L40	☐ A0
Adjustable Arm L100	☐ A1
Adjustable Arm L200	☐ A2
Adjustable Arm L300	☐ A3
Inground Mounting Frame	☐ IF
No Mounting accessory	☐ X
Cable / Connector configuration	
Daisy chain (male / female)	☐ DC
Male one side	☐ MO
Open end one side	☐ OO
Open end two sides	☐ OT
Luminaire application	
Stand-alone	☐ S
Begin of Luminaire	☐ B
Middle of Row Luminaire	☐ M

TYPICAL APPLICATIONS

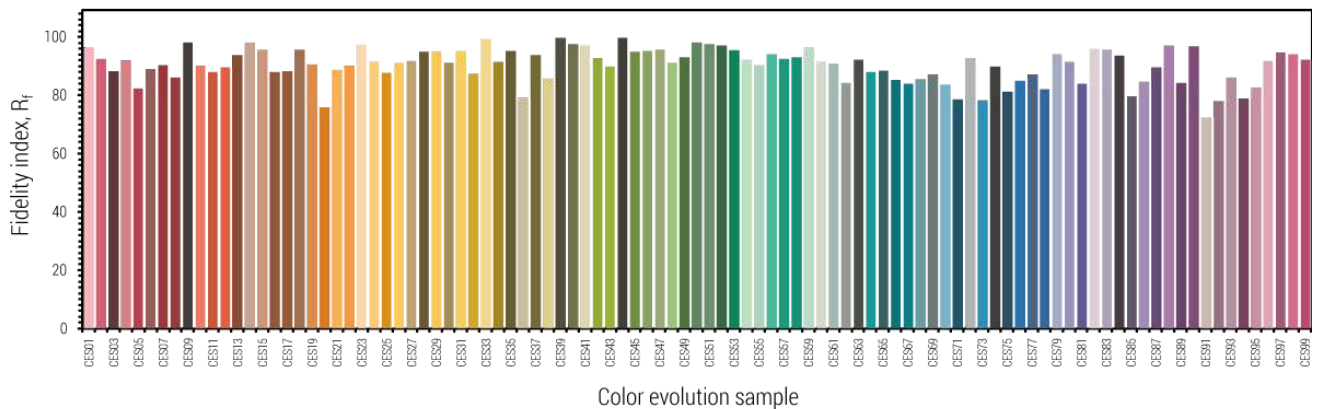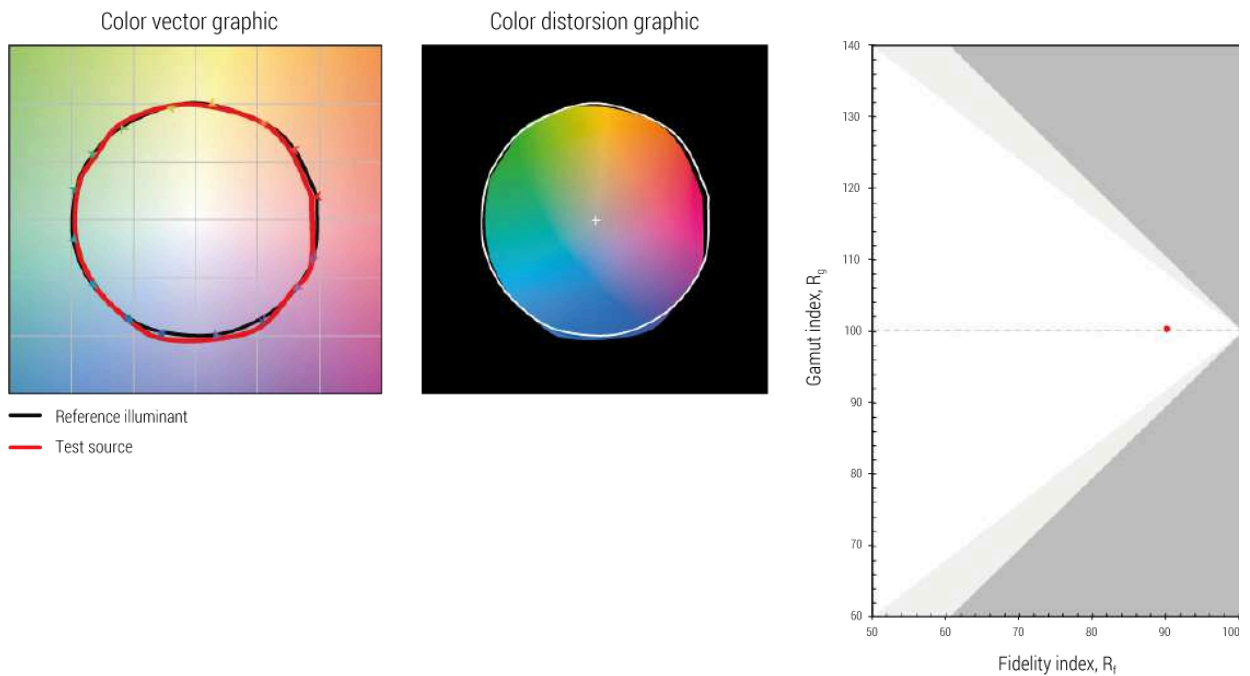| Options for the order code:	Your selections ■ :
End of Luminaire ——→	■ E
Length	-----------------------------
L_{min}: 327 mm ——→	■ 0327
L_{max}: 4,014 mm ——→	■ 4014
Fixture build to length (not field cutable): L = (N x 62.5 mm) + 14 mm; N = 5 ... 64; L_{min} = 327 mm; L_{max} = 4,014 mm	

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OPTICAL INFORMATION

CRI

TM30-15

Color vector graphic

Color distorsion graphic

— Reference illuminant
— Test source
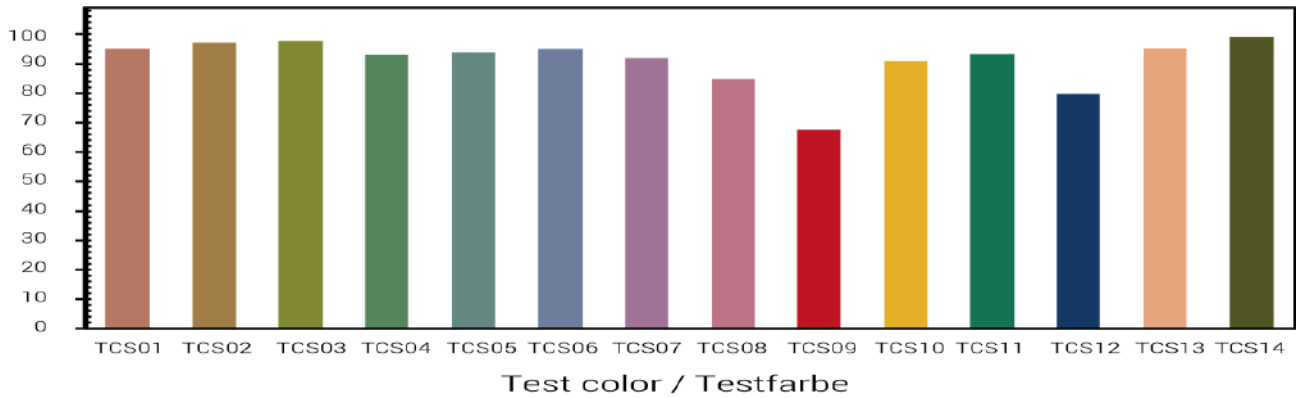
This chart displays the average Fidelity Index for all samples within the hue bin. The number of samples per bin, which can vary based on the CCT used for the calculation, is shown at the top. The color of the bar is based on the average chromaticity under the 5000 K reference illuminant; the colors may not display accurately depending on the calibration of the monitor, and should be used for orientation only.

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MOUNTING

1. Surface Mounting fixed horizontal (SH)

28.5
20.5
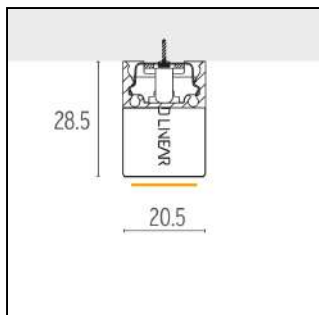
Mounting accessories

VarioClip 010 Set
Digits in order code: SH

Description

Aluminum mounting clip with washer. Clips inside the fixture profile for invisible mounting. Use according to the mounting instruction.

Example of application

2. Surface Mounting fixed vertical (SV)

28.5
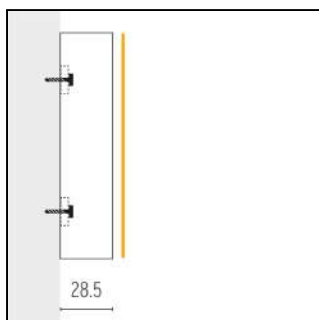
Mounting accessories

VarioClip 010
Digits in order code: SV

Sliding block C010 incl. screw
Digits in order code: SV

Description

Aluminum mounting clip with washer. Clips inside the fixture profile for invisible mounting. Use according to the mounting instruction.

Metal mounting block with set screw for vertical applications. Install inside the fixture profile to stop the fixture from sliding. Use according to the mounting instruction.

Example of application

3. Adjustable arm

50.5
40

50.5
100
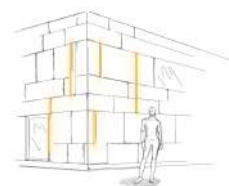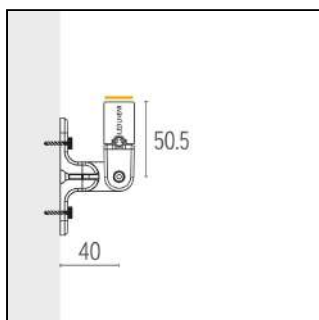
Mounting accessories

Adjustable arm L40
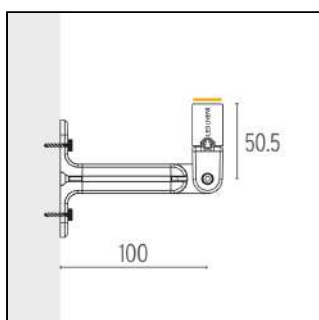
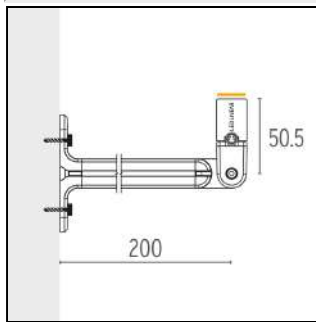**Adjustable arm L100**

Adjustable arm L200

Description

40 mm adjustable mounting arm. Supplied according to the selected profile color (RAL9003, RAL9005, RAL9022). The set includes mounting clip incl. screws for fixing the luminaire. Allows tilting by 120° in any direction. Use according to the installation instructions.

Digits in order code: A0

100 mm adjustable mounting arm. Supplied according to the selected profile color (RAL9003, RAL9005, RAL9022). The set includes mounting clip incl. screws for fixing the luminaire. Allows tilting by 120° in any direction. Use according to the installation instructions.
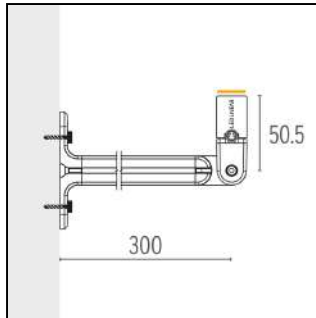
Digits in order code: A1

200 mm adjustable mounting arm. Supplied according to the selected profile color (RAL9003, RAL9005, RAL9022). The set includes mounting clip incl. screws for fixing the luminaire. Allows tilting by 120°

Example of application

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in any direction. Use according to the installation instructions.

Digits in order code: A2

Adjustable arm L300

300 mm adjustable mounting arm. Supplied according to the selected profile color (RAL9003, RAL9005, RAL9022). The set includes mounting clip incl. screws for fixing the luminaire. Allows tilting by 120° in any direction. Use according to the installation instructions.
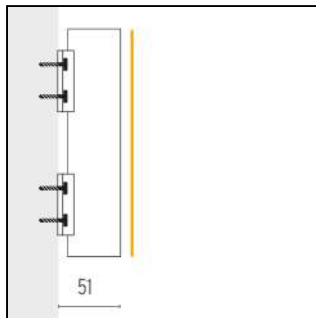
Digits in order code: A3

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4. Surface Mounting adjustable (SA)

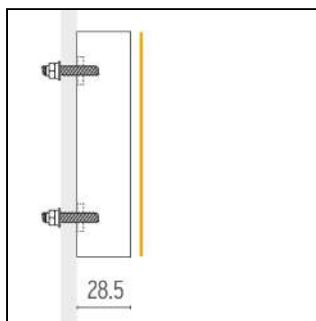| Mounting accessories	Description	Example of application
Adjustable Mounting Clip C007/C010 L140 (silver anodized) Digits in order code: SA	140 mm adjustable mounting clip with a tilt of 60° to each side, comes together with profile colors white and gray. Use according to the mounting instruction.	
Adjustable Mounting Clip C007/C010 L140 (black anodized) Digits in order code: SA	140 mm adjustable mounting clip with a tilt of 60° to each side, comes together with profile color black. Use according to the mounting instruction.	

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5. Mounting Lock (ML)

Mounting accessories	Description	Example of application
Screw Kit M5 for Mounting Lock Digits in order code: ML	25 mm threaded pin with washer and nut. For a vandal resistant installation. Use according to the mounting instruction.	

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6. Inground mounting frame (IF)

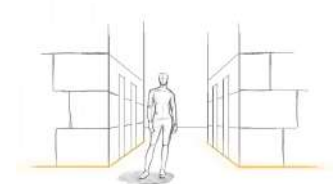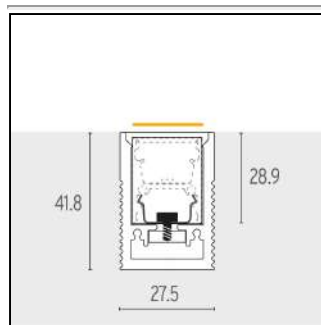| Mounting accessories	Description	Example of application
Inground Frame Set (L x H x W) luminaire length x 41.8 mm x 27.5 mm Digits in order code: IF	Aluminum frame (silver anodized) cut to luminaire length incl. styrofoam dummy and endcap/clip set for stand-alone luminaire applications. Use according to the mounting instruction. Aluminum frame (silver anodized) in 2 m length incl. styrofoam dummy for lightline applications. Use	

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|		
Inground Frame 2 m w/ dummy (L x H x W) 2000 mm x 41.8 mm x 27.5 mm Art.-#: 10000639-2m	according to the mounting instruction.	
Inground Frame 4 m w/ dummy (L x H x W) 4000 mm x 41.8 mm x 27.5 mm Art.-#: 10000639-4m	Aluminum frame (silver anodized) in 4 m length incl. styrofoam dummy for lightline applications. Use according to the mounting instruction.	
Inground Frame Endcap Set Art.-#: 11000310-SIL	Aluminum endcap with screws and sealing plug. Required to cover the ends of the inground frame before installation. Use according to the mounting instruction.	
Inground Frame Clip Set Art.-#: 13000504	Clip with mounting lock, screw and washer for inground frame. Use according to the mounting instruction.	
Inground Frame Connector Art.-#: 13000503	Aluminium connector for joining inground frames to create lightlines. Use according to the mounting instruction.	
Disassembly Tool For Inground Frame Art.-#: 13100032	Use to take the fixture out of the inground frame. Use according to the mounting instruction.	

7. Glare Protection
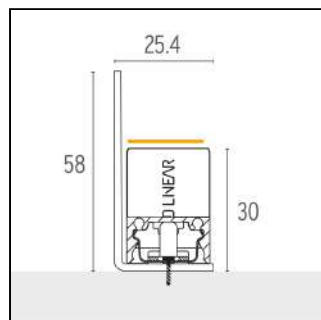
	Mounting accessories	Description	Example of application
	Glare Shield white - 1 m Art.-#: 10000622-RAL9003-1m	Aluminium glare shield in 1 m length. For a better glare control for people passing by. Use according to the mounting instruction.	
	Glare Shield white - 2 m Art.-#: 10000622-RAL9003-2m	Aluminium glare shield in 2 m length. For a better glare control for people passing by. Use according to the mounting instruction.	
	Glare Shield black - 1 m Art.-#: 10000622-RAL9005-1m	Aluminium glare shield in 1 m length. For a better glare control for people passing by. Use according to the mounting instruction.	
	Glare Shield black - 2 m Art.-#: 10000622-RAL9005-2m	Aluminium glare shield in 2 m length. For a better glare control for people passing by. Use according to the mounting instruction.	
	Glare Shield gray - 1 m Art.-#: 10000622-RAL9022-1m	Aluminium glare shield in 1 m length. For a better glare control for people passing by. Use according to the mounting instruction.	
	Glare Shield gray - 2 m Art.-#: 10000622-RAL9022-2m	Aluminium glare shield in 2 m length. For a better glare control for people passing by. Use according to the mounting instruction.	

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POWER SUPPLY UNIT (PSU) & CONTROLS

Recommended PSU

	Item	Description	Part number	Unit	Min. OQ
	VarioPSU 24V/240W IP67, ON/OFF, Silver	LED driver from Mean Well with 24 V constant voltage and a maximum output power of 240 W. Type of protection IP67, class I power unit with an input voltage range of 90 – 305 V AC. Dimensions (L x W x H): 244 mm x 68 mm x 39 mm. Not dimmable. Product on secondary side dimmable with IN.Finite controller range.	16000068	piece (pc)	5

Recommended Control

	Item	Description	Part number	Unit	Min. OQ
	IN.finite™ DALI® DT6 2CH CV ULT	2-Kanal-Steuergerät, DALI® DT6-Protokoll, Eingang für 1 – 10 V-Schnittstellen, Eingangsspannung 12 V – 48 V, I_{out} max. 2 x 4 A, L x H x B – 188 mm x 21 mm x 30 mm. Optimiert zur Dimmung von ULTIMA-S mit Magnetbefestigung.	16000268-DT6-ULT	piece (pc)	10

VOLTAGE DROP INFORMATION FOR THE FEED-IN LINE (PSU / CONTROL TO FIXTURE)

0.34 mm^2 / AWG 22

ADONIS ARCHITECTURAL White High Efficacy Opal IP67	HE 05	HE 10	HE 15	HE 20	HE 28	HE 36
Product run Length	max. cable length between PSU / Control unit and the luminaire					
1 m	38.8 m	19.4 m	12.9 m	9.7 m	6.9 m	5.3 m
2 m	19.4 m	9.7 m	6.4 m	4.8 m	3.4 m	2.6 m
3 m	12.9 m	6.4 m	4.3 m	3.2 m	2.3 m	1.7 m
4 m	9.7 m	4.8 m	3.2 m	2.4 m	1.7 m	-
5 m	7.7 m	3.8 m	2.5 m	1.9 m	-	-
6 m	6.4 m	3.2 m	2.1 m	-	-	-
7 m	5.5 m	2.7 m	1.8 m	-	-	-

1.5 mm^2 / AWG 15

ADONIS ARCHITECTURAL White High Efficacy Opal IP67	HE 05	HE 10	HE 15	HE 20	HE 28	HE 36
Product run Length	max. cable length between PSU / Control unit and the luminaire					
1 m	171.3 m	85.6 m	57.1 m	42.8 m	30.6 m	23.8 m
2 m	85.6 m	42.8 m	28.5 m	21.4 m	15.3 m	11.9 m
3 m	57.1 m	28.5 m	19 m	14.2 m	10.2 m	7.9 m
4 m	42.8 m	21.4 m	14.2 m	10.7 m	7.6 m	-
5 m	34.2 m	17.1 m	11.4 m	8.5 m	-	-
6 m	28.5 m	14.2 m	9.5 m	-	-	-
7 m	24.4 m	12.2 m	8.1 m	-	-	-

Calculation refers to the cable configuration on site.
The information listed in the table is only refers to the conductor-based voltage drop of max. 0.85V at 24V DC input voltage.

Regarding the electromagnetic combability (EMC) the maximum cable length is defined by the power supply manufacturer.
A cable length between power supply and planned product longer than indicated by the datasheet of the power supply is possible. However the electromagnetic combability can then be influenced by the conditions of the installation site. There is no data on electromagnetic compatibility for longer cable lengths, which might lead to the necessity of an evaluation of the electromagnetic compatibility by a third party.
Datasheets and mounting instructions of the components in combination with the planned product must be carefully read and followed.