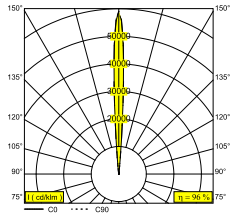
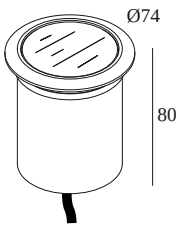


LOGIC 60 R A SP 93006

13977 9310 ANO

AVAILABLE IN
ALU ANODIZED 13977 9310 ANO
BLACK 13977 9310 B



[View on website](#)



General info	
LOCATION	outdoor
INSTALLATION	Floor Recessed
CUTOUT SHAPE/SIZE (MM)	round - 61
RECESSED DEPTH (MM)	100
INGRESS PROTECTION	IP67
PROTECTION AGAINST MECHANICAL IMPACT	IK08
WEIGHT (KG)	0.5
ADJUSTABILITY	non adjustable
INFORMATION	LENS SP-6° INCL.1 x CABLE H05 RN-F 2 x 1mm ² 0,5m EXCL.LED POWER SUPPLY 700-1050mA-DC IEC 60598-2-13 : max.150kg 25N/cm ² ESG 5mm

Electrical info	
CLASS	III
DIM TYPE	depending on power supply
ENERGY CLASS	F
CERTIFICATES	EPD

Lightsource info	
LIGHTSOURCE NAME	LED
LIGHTSOURCE	LED array 2-3,2W / CRI>90 / 3000K / 229-319lm
SDCM	SDCM3
RISKGROUP	RG2 (threshold 0,6m)
BEAMANGLE	6°
LED TECHNICS (LIGHT SOURCE)	319lm // 3,2W // 100lm/W
LED TECHNICS (LUMINAIRE)	305lm // 3,7W // 83lm/W

Requirements	
LED POWER SUPPLY 700 / 1050mA-DC DIM	

Options	
LOGIC 60 BOX R	
CBOX	
IP68 CONNECTION KIT	
IP68 CONNECTOR 3P	

For detailed installation instructions, please consult the manual : [13977_XXX0_HAND.pdf](#)

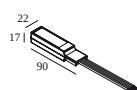
FINISH YOUR SPECIFICATION

LED power supplies

of Fixtures

 # of fixtures indicates how many devices can be connected (min -> max) to the power supply. The values before and after the '|' correspond respectively with the minimum and maximum driving current. Values between brackets are applicable to 110V.

Min current | Max current



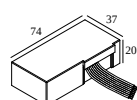
300 48 700 ED1

LED POWER CONVERTER 48V-DC to 700 mA-DC / 25W DIM1

2->13

Dimtype: 1-10V

Cutout dimension (mm): 30



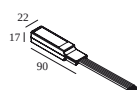
300 48 700 ED5

LED POWER CONVERTER 48V-DC to 700 mA-DC / 25W DIM5

2->13

Dimtype: DALI

Cutout dimension (mm): 45



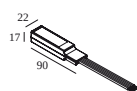
300 48 700 MDL

LED POWER CONVERTER 48V-DC to 700 mA-DC / 25W MDL

2->13

Dimtype: non-dimmable

Cutout dimension (mm): 30



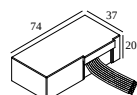
300 48 700 PRO ED1

LED POWER CONVERTER 48V-DC to 700 mA-DC / 25W PRO DIM1

2->13

Dimtype: 1-10V

Cutout dimension (mm): 30



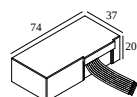
300 48 700 PRO ED5

LED POWER CONVERTER 48V-DC to 700 mA-DC / 25W PRO DIM5

2->13

Dimtype: DALI

Cutout dimension (mm): 45



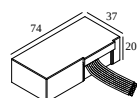
300 48 700 PRO WDL

LED POWER CONVERTER 48V-DC to 700 mA-DC / 25W PRO WDL

2->13

Dimtype: WDL = wireless dimmable

Cutout dimension (mm): 45



300 48 700 WDL

LED POWER CONVERTER 48V-DC to 700 mA-DC / 25W WDL

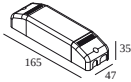
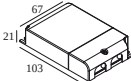
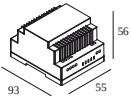
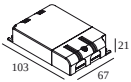
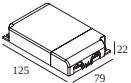
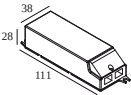
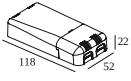
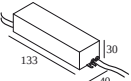
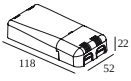
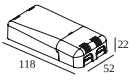
2->13

Dimtype: WDL = wireless dimmable

Cutout dimension (mm): 45

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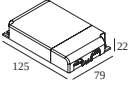
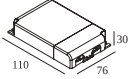
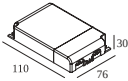
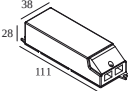
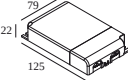
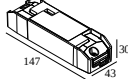
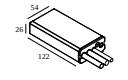
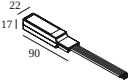
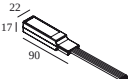
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	300 90 61 LED POWER SUPPLY MULTI-POWER DIM6 Dimtype: mains (phase cut-off) or push button Cutout dimension (mm): 56	15 - -	☐
	300 90 64 LED POWER SUPPLY MULTI-POWER DIM7 Dimtype: 1-10V or push button Cutout dimension (mm): 72	15(6) - -	☐
	300 90 67 LED POWER CONVERTER 24V-DC TO MULTI CURRENT 48W DIM9 Dimtype: 1-10V or DALI or push button	3->14 3->14 -	☐
	300 90 68 LED POWER SUPPLY MULTI-POWER DIM5 Dimtype: DALI Cutout dimension (mm): 72	2->15(7) -	☐
	300 90 69 LED POWER SUPPLY MULTI-POWER HV DIM9 Dimtype: 1-10V or DALI or push button Cutout dimension (mm): 84	29(19) -	☐
	300 90 93 LED POWER SUPPLY 700mA-DC / 17W Dimtype: non-dimmable Cutout dimension (mm): 48	2->8(5)	☐
	300 90 118 LED POWER SUPPLY 700mA-DC / 20W DIM8 Dimtype: mains (phase cut-off) Cutout dimension (mm): 55	6->9	☐
	300 90 123 LED POWER SUPPLY 700mA-DC / 36W DIM8 Dimtype: mains (phase cut-off) Cutout dimension (mm): 50	2->17	☐
	300 90 124 LED POWER SUPPLY MULTI-POWER DIM7 Dimtype: 1-10V or push button Cutout dimension (mm): 55	2->10(7) -	☐
	300 90 125 LED POWER SUPPLY MULTI-POWER MINI DIM5 Dimtype: DALI Cutout dimension (mm): 55	2->9(7) -	☐

DELTALIGHT

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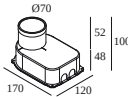
	300 90 134 LED POWER SUPPLY MULTI-POWER HV DIM7 Dimtype: 1-10V or push button Cutout dimension (mm): 84	28(18) - -	☐
	300 90 135 LED POWER SUPPLY MULTI-POWER HV Dimtype: non-dimmable Cutout dimension (mm): 90	10->28 9->20 -	☐
	300 90 136 LED POWER SUPPLY MULTI-POWER HC DIM9 Dimtype: 1-10V or DALI or push button Cutout dimension (mm): 90	- 14(12)	☐
	300 90 148 LED POWER SUPPLY 1050mA-DC / 22W Dimtype: non-dimmable Cutout dimension (mm): 48	7(3)	☐
	21012 004W LED POWER SUPPLY MULTI-POWER WDL Dimtype: WDL = wireless dimmable Cutout dimension (mm): 84	23(18) 17(11) -	☐
	21012 005W LED POWER SUPPLY MULTI-POWER COMPACT WDL Dimtype: WDL = wireless dimmable Cutout dimension (mm): 54	4->17 4->12 -	☐
	21012 0490 LED POWER SUPPLY 700mA-DC / 30W IP68 Dimtype: non-dimmable Cutout dimension (mm): 60	2->14(7)	☐
	21032 0315 LED POWER CONVERTER 48V-DC to 700 mA-DC / 25W DIM5 Dimtype: DALI Cutout dimension (mm): 30	2->14	☐
	21032 0385 LED POWER CONVERTER 48V-DC to 700 mA-DC / 25W PRO DIM5 Dimtype: DALI Cutout dimension (mm): 30	2->14	☐

DELTALIGHT

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Ground mounting boxes

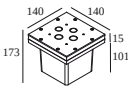


213 19 10 LOGIC 60 BOX R

Cutout dimension (mm): 175 x 125

☐

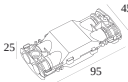
Waterproof connection parts



216 12 00 CBOX

Cutout dimension (mm): 142 x 142

☐



216 12 01 IP68 CONNECTION KIT

☐



216 12 02 IP68 CONNECTOR 3P

☐

Notes: