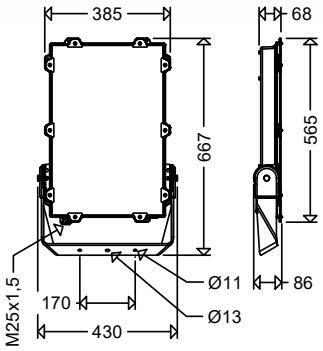


NEW

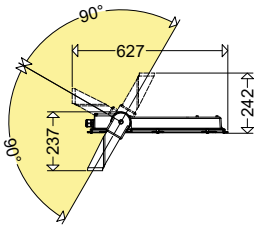
AREALO 2
LED Large-Area Spotlight
Series 7950...

Applications:
Large areas such as car parks, storage areas, loading areas, loading stations, container terminals, harbour facilities, apron lighting at airports, open-cast mines, sports facilities, etc.

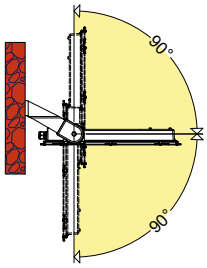
Design:
Housing: Die-cast aluminium, 1-part, powder-coated DB 702 with LED module, optics, ECG, cable entry and pressure compensation system.
Glass: Flat safety glass pane, resistant to temperature changes, impact resistant IK09, silicone gasket.
Light distribution: Extremely asymmetrical beam.
Connection: Connection compartment accessible from outside, terminal up to max. 2.5 mm².
Cable entry: 1 x M25 cable gland.
Mounting: Mounting bracket can be swivelled through 180° in 5° steps, with 3 holes for wall or ceiling mounting. Separate accessories are required for pole mounting (see accessories/spare parts).



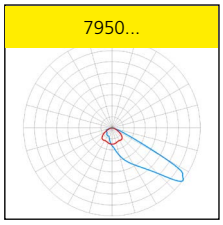
Swivel range



Standard Mounting



Electrical design:
LED module: 4,000 K or 3,000 K, R_a > 70, service life L_{95} > 100,000 h, Zhaga compliant
ECG: 220-240 V, 50-60 Hz, Surge voltage resistance 10 kV, overload and short circuit protection, NFC-enabled
Lighting control: constant luminous flux function



Options:
– 2,200 K; light colour (**722**)
– 1,800 K; light colour (**518**)
– asymmetrical beam (**A**)
– special painting in RAL colours
– seawater-resistant version
– vibration-resistant design
– for connection to a central power supply system (**ZB**)

Options Luminous flux adjustment / Lighting control / Lighting management:
– dimming function via DALI-2 interface (**DIMD**)
– power reduction with control phase (**LR**)
– compatible with **LIMAS Line** and **LIMAS Air Light Management System**

Product highlights:

- **durable, corrosion-resistant die-cast aluminium housing**
- low total weight, low mast load
- **excellent thermal management,** long service life
- **quick electrical connection** due to outlaying electrical connection box
- no light emission into the upper half-space, **ULOR=0**
- versions dimmable to 10% and with color temperature up to 3,000 K comply with **Dark Sky requirements**
- control gear and LED-module replaceable by qualified personnel on-site
- **future proof** by using standardised LED-modules (Zhaga) and long-term availability of spare parts



Outdoor Light Fittings

! Properties, limitations and details for controlling LED-light fittings:
See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

All light fittings also available with connected cable (see accessories in the data sheet).

7950... SP OP

IP66 | Wind load area A = 0,05m²

Version OP:
Additional overvoltage protection in the luminaire.

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packingmaterial)
colour temperature 4.000K (light colour 740)					
79500 0001	**7950 14401SP OP**	144	26.500	184	10,7
79500 0003	**7950 14402SP OP**	209	36.800	176	10,7
79500 0005	**7950 14403SP OP**	298	49.300	165	11,0
79500 0007	**7950 14404SP OP**	432	66.500	154	11,0
79500 0002	**7950 14401SP DIMD OP**	144	26.500	184	10,7
79500 0004	**7950 14402SP DIMD OP**	209	36.800	176	10,7
79500 0006	**7950 14403SP DIMD OP**	298	49.300	165	11,0
79500 0008	**7950 14404SP DIMD OP**	432	66.500	154	11,0
colour temperature 3.000K (light colour 730)					
79500 0009	**7950 14401SP 730 OP**	144	25.200	175	10,7
79500 0011	**7950 14402SP 730 OP**	209	35.000	167	10,7
79500 0013	**7950 14403SP 730 OP**	298	46.800	157	11,0
79500 0015	**7950 14404SP 730 OP**	432	63.200	146	11,0
79500 0010	**7950 14401SP DIMD 730 OP**	144	25.200	175	10,7
79500 0012	**7950 14402SP DIMD 730 OP**	209	35.000	167	10,7
79500 0014	**7950 14403SP DIMD 730 OP**	298	46.800	157	11,0
79500 0016	**7950 14404SP DIMD 730 OP**	432	63.200	146	11,0

RFL - Ready for Light Management Systems

Design:
Same as standard version **7950... SP OP** but prepared for the subsequent use of a Light Management System. Integrated sockets allows retrofitting of Light Management components without tools.

Product highlights:

- standardised Zhaga Book 18 compliant sockets with D4i control gear
- subsequent use of a light management system possible at any time
- tool-free, quick assembly of the Light Management System components

7950... SP OP RFL

IP66 | Wind load area A = 0,05m²

with a socket on the top side of the luminaire

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packingmaterial)
colour temperature 4.000K (light colour 740)					
79501 0001	**7950 14404SP OP RFLSO**	432	66.500	154	11,0
colour temperature 3.000K (light colour 730)					
79501 0002	**7950 14404SP 730 OP RFLSO**	432	63.200	146	11,0

System accessories

Article No.	Type	
79511 0009	**VBOX RFL TR**	Distribution box with RFL socket for crossbar mounting
90547 9011	**LACA TAST4 AP**	LIMAS Air CASA 4-gang push button
90547 9009	**LACA TASTIF4 UP**	LIMAS Air CASA push button interface 4-gang flush-mounted
90546 9013	**RFL LACA DS**	RFL LIMAS Air CASA wireless module with light sensor

All light fittings also available with connected cable (see accessories in the data sheet).

Article No.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packingmaterial)

7950... SP OV

IP66

Version:

Like 7950... SP OP but without ballasts (OV), separate ECG unit 7950 required.
Please order in combination.

colour temperature 4.000K (light colour 740)

79502 0200	**7950 14401SP OV**	144	26.500	184	10,3
79502 0201	**7950 14402SP OV**	209	36.800	176	10,3
79502 0202	**7950 14403SP OV**	298	49.300	165	10,3
79502 0203	**7950 14404SP OV**	432	66.500	154	10,3

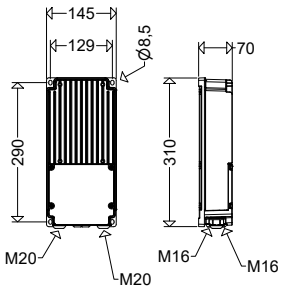
colour temperature 3.000K (light colour 730)

79502 0204	**7950 14401SP 730 OV**	144	25.200	175	10,3
79502 0205	**7950 14402SP 730 OV**	209	35.000	167	10,3
79502 0206	**7950 14403SP 730 OV**	298	46.800	157	10,3
79502 0207	**7950 14404SP 730 OV**	432	63.200	146	10,3



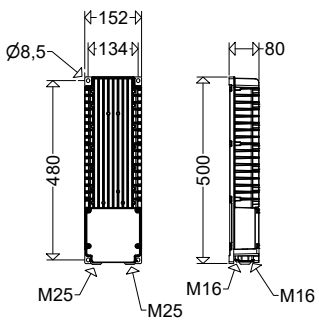
Typ 1 / Typ 2





Typ 4





Internal pole mounting unit 7850 ME 1000

IP65

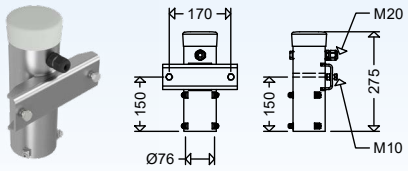
Design:

ECG for direct mounting with 4 screws

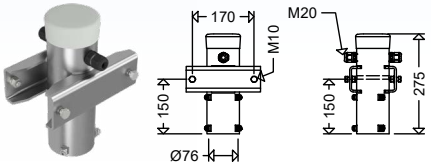
Connection: Direct connection of the cables in the connection compartment of the ECG; access to the connection compartment by loosening 4 screws.

Article no.	Type		EVG	Weight [ca. kg] (without packaging)
79512 0001	**EVG 7950 1 14401 OV**	ECG unit for one luminaire 7950 14401 OV	Typ 1	3,1
79512 0002	**EVG 7950 2 14401 OV**	ECG unit for two luminaires 7950 14401 OV	Typ 1	3,1
79512 0003	**EVG 7950 3 14401 OV**	ECG unit for three luminaires 7950 14401 OV	Typ 1	3,1
79512 0004	**EVG 7950 1 14402 OV**	ECG unit for one luminaire 7950 14401 OV	Typ 1	3,1
79512 0005	**EVG 7950 2 14402 OV**	ECG unit for two luminaires 7950 14401 OV	Typ 1	3,1
79512 0006	**EVG 7950 3 14402 OV**	ECG unit for three luminaires 7950 14401 OV	Typ 2	3,4
79512 0007	**EVG 7950 1 14403 OV**	ECG unit for one luminaire 7950 14401 OV	Typ 1	3,1
79512 0008	**EVG 7950 2 14403 OV**	ECG unit for two luminaires 7950 14401 OV	Typ 1	3,1
79512 0009	**EVG 7950 3 14403 OV**	ECG unit for three luminaires 7950 14401 OV	Typ 2	3,4
79512 0010	**EVG 7950 1 14404 OV**	ECG unit for one luminaire 7950 14401 OV	Typ 1	3,1
79512 0011	**EVG 7950 2 14404 OV**	ECG unit for two luminaires 7950 14401 OV	Typ 2	3,4
79512 0012	**EVG 7950 3 14404 OV**	ECG unit for three luminaires 7950 14401 OV	Typ 4	6,4
79512 0013	**EVG 7950 4 14404 OV**	ECG unit for four luminaires 7950 14401 OV	2 x Typ 2	6,8

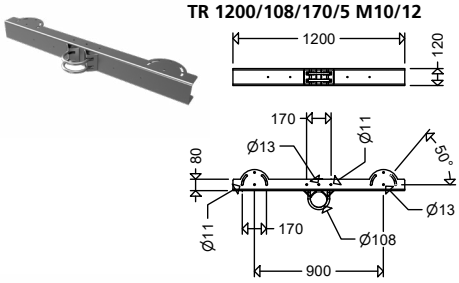
Single mounting: MAU 1 76/170 M10



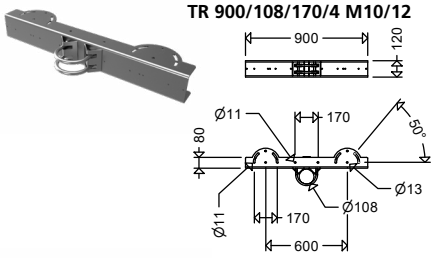
Double mounting: MAU 2 76/170 M10



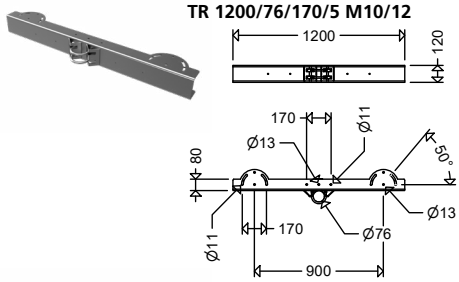
TR 1200/108/170/5 M10/12



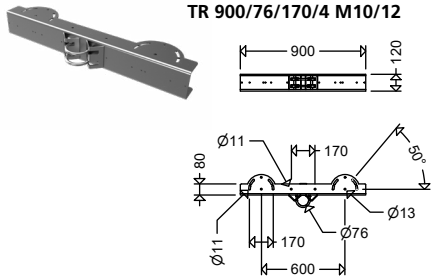
TR 900/108/170/4 M10/12



TR 1200/76/170/5 M10/12



TR 900/76/170/4 M10/12



All pole fastenings made of galvanised steel. Painting in any RAL colour for additional charge.

Accessories / Spare Parts

Article no.	Type	
79510 0001	**ABD 7950 ESGW**	cover, pane safety glas clear, for 7950...
75739 9001	**MAU 1 76/170 M10**	Pole top for single mounting, Ø 76 mm, galvanized steel
75739 9002	**MAU 2 76/170 M10**	Pole top for double mounting, Ø 76 mm, galvanized steel
90313 0003	**KV25 G BK**	plastic cable gland M25 x 1,5 black
79511 0003	**SD 7950 ST**	vibration absorbing suspension device for series 7950, galvanised steel
79511 0001	**TR 1200/108/170/5 M10/12**	Crossbar with 5 fastening options for floodlights on a pole
79511 0004	**TR 900/108/170/4 M10/12**	Crossbar with 4 fastening options for floodlights on a pole
79511 0006	**TR 1200/76/170/5 M10/12**	Crossbar with 5 fastening options for floodlights on a pole
79511 0007	**TR 900/76/170/4 M10/12**	Crossbar with 4 fastening options for floodlights on a pole
79511 0002	**VBOX 5 TR**	Distribution box for combining the connection cables of several AREALO 2 units. 6 loose cable glands, support plate and screws for direct attachment to the crossbar included in the scope of delivery.
79511 0005	**MABD 108**	Pole cover Ø 108 mm with strain relief and 4 cable entries
79511 0010	**BFSET M10/M12**	Fastening set for traverse mounting with 2 M10 screw connections 1 M12 screw connection
79511 0008	**BD 7950**	dird defence stainless steel for 7950

INTELLIGENT LIGHT CONTROL AT SPORTS FACILLITIES

Simply switching the floodlights of a sports facility on and off is neither efficient nor cost-saving and environmentally friendly. When converting to LED technology, the question of intelligent lighting control therefore arises. If one then takes into account the subsidies from the federal government within the framework of the municipal guidelines as well as the state sports associations and possibly the respective federal state, which can currently amount to up to 80 % cumulatively at peak times, the decision should not be difficult.

Dimming

The introduction to light control

The simplest solution is to dim the floodlights via DALI. Since the maximum illuminance is usually only required for matches and competitions, energy can be saved to a considerable extent by continuously dimming or switching on preset lighting levels during training. All that is required for this are AREALO 2 luminaires in DIMD design and DALI wiring to the masts.

