LED Tube 90 1154.

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Aufbaustrahler
Universell einsetzbares Leuchtensystem zur allgemeinen Großflächenbeleuchtung und zur perfekten Wareninszenierung. Eleganter Strahler in filigraner Bauform. Energiesparend durch die Verwendung modernster LED-Technologie. LED-Chips der neuesten Generation für brillantes Licht. Integrierter, aktiv gesteuerter Lüfter. Die Leuchte ist dreh- und schwenkbar. Mit formschlüssigen Deckenbaldachin. Alternativ auch in regelbarer Ausführung.

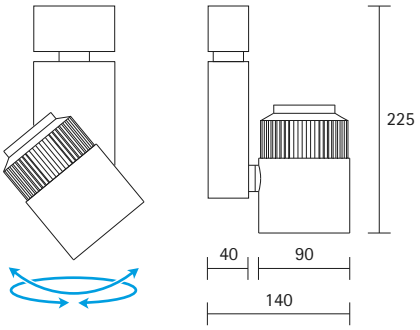
Reflektortechnik
1-teiliges Reflektorsystem. Reflektor aus Aluminium 99,98 geglänzt und stückeloxiert. Oberfläche in Silber hochglänzend, glatt. Eingesetztes Spezialglas, zur optimierten Durchmischung des Lichtes.

▶ Bestellzusatz für Reflektorauswahl:

S = Spot
M = Medium
F = Flood

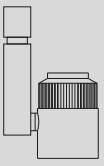
Spot 21,2° 2750 lm			Med 31,8° 2750 lm			Flood 42,6° 2750 lm		
H (m)	D (m)	E (lx)	H (m)	D (m)	E (lx)	H (m)	D (m)	E (lx)
1.0	0.37	10568	1.0	0.57	6507	1.0	0.78	5441
1.5	0.56	4697	1.5	0.85	2892	1.5	1.17	2418
2.0	0.75	2642	2.0	1.14	1627	2.0	1.56	1360
2.5	0.94	1691	2.5	1.42	1041	2.5	1.95	871
3.0	1.12	1174	3.0	1.71	723	3.0	2.34	605

H: Entfernung Leuchte zum Messpunkt.
D: Durchmesser (m) mit 50% der maximalen Beleuchtungsstärke.
E: Maximale Beleuchtungsstärke senkrecht unter der Leuchte.



I | 230 VOLT | 0,2 m | LED HighPower

		Artikel-Nr.	EVG	Lumen	Watt	Ausführung: LED neutralweiß	LED warmweiß	Reflektor Spot	Reflektor Medium	Reflektor Flood	Netzteil	Netzteil DALI
B=140mm	H 225mm	1154.161	.-02	2750 lm	38 W	●		○	●	○	●	○
		1154.162	.-02	2750 lm	38 W		●	○	●	○	●	○
		1154.171	.-02	3750 lm	59 W	●		○	●	○	●	○
		1154.172	.-02	3750 lm	59 W		●	○	●	○	●	○



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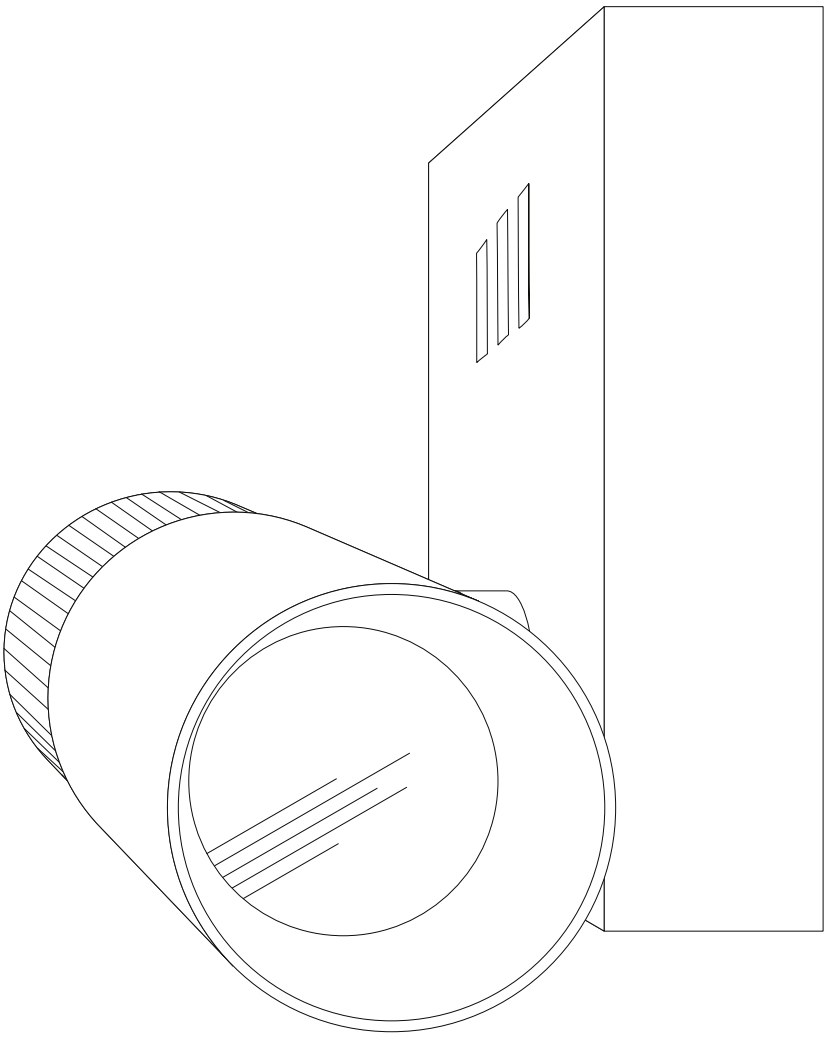

Release reaction
Release reaction of automatic cut-outs in accordance with VDE 0641, part 11 for B-, C-characteristics. The following values are guidelines and may vary depending on the respective circuit breaker system.

No. of converters
The maximum number of VS converters applies to cases where the devices are switched on simultaneously. Specifications apply to single-poled fuses. The number of permissible ballasts must be reduced by 20 % for multi-pole fuses. The considered circuit impedance equals 400 mW (approx. 20 m [1.5 mm²] of conductor from the power supply to the distributor and a further 15 m to the luminary).

In case of looping, maximum current per wire is 10A, it means that maximum allowed drivers in loop is same as for B/C 10A automatic cut-outs from next table.

Possible number of control gear

Current source	Type of automatic cut-outs			
	B 10 A	B 16 A	C 10 A	C 16 A
ECXe 700.022	50	80	50	80
ECXe 1050.021	32	52	32	52

Electrical installation
Conductors Primary & Secondary conductor cross section: min. 0.2mm2 and max 1.5 mm2

model	Cross section	Max. lead length of secondary conductor
ECXe700.022 – 186201	0,5 mm²	5 m
ECXe1050.021 – 186199	0,75 mm²	5 m
	1,0 mm²	5 m
	1,5 mm²	5 m
ECXe700.022 – 186200	0,5 mm²	1 m
ECXe1050.021 – 186198	0,75 mm²	1 m
	1,0 mm²	1 m
	1,5 mm²	1 m

Connections	Push in terminals with release button
Wiring	Primary wires must be as short as possible, and shouldn't cross the secondary wires.
Secondary load	The RFI requirements according EN 55015 for in series connected LED-Modules are fulfilled then the sum of forward voltages of LED-loads isn't below or above the values showed in table 1 under USEC.
Parallel connection	Secondary side parallel connection not admissible
Switching on and off	On the secondary side NOT admissible

Electronic control gear for LEDs

Type	Ref. no.	UPRI 0 Hz 50/60 Hz V	Nominal Input current (IPRI) mA	USEC V	USEC (with load) V	PSEC (max) W	Nominal max. current (ISEC) A	Max. output tc (°C)	Min/Max. tc temp. temperature ta (°C)	Protect Ambient	ion class n	Degree of protectio	Weight g
ECXe 700.022	**186200**	176/264 220/240	250/160 200/180	20 – 57	60	40	0,7 ±5%		75	-20/60	I	IP20	210
ECXe 700.022	**186201**	176/264 220/240	250/160 200/180	20 – 57	60	40	0,7 ±5%		75	-20/60	I	IP20	257
ECXe 1050.021	**186198**	176/264 220/240	391/261 308/286	20 – 58	60	60	1,05 ±5%		80	-20/60	I	IP20	226
ECXe 1050.021	**186199**	176/264 220/240	391/261 308/286	20 – 58	60	60	1,05 ±5%		80	-20/60	I	IP20	273