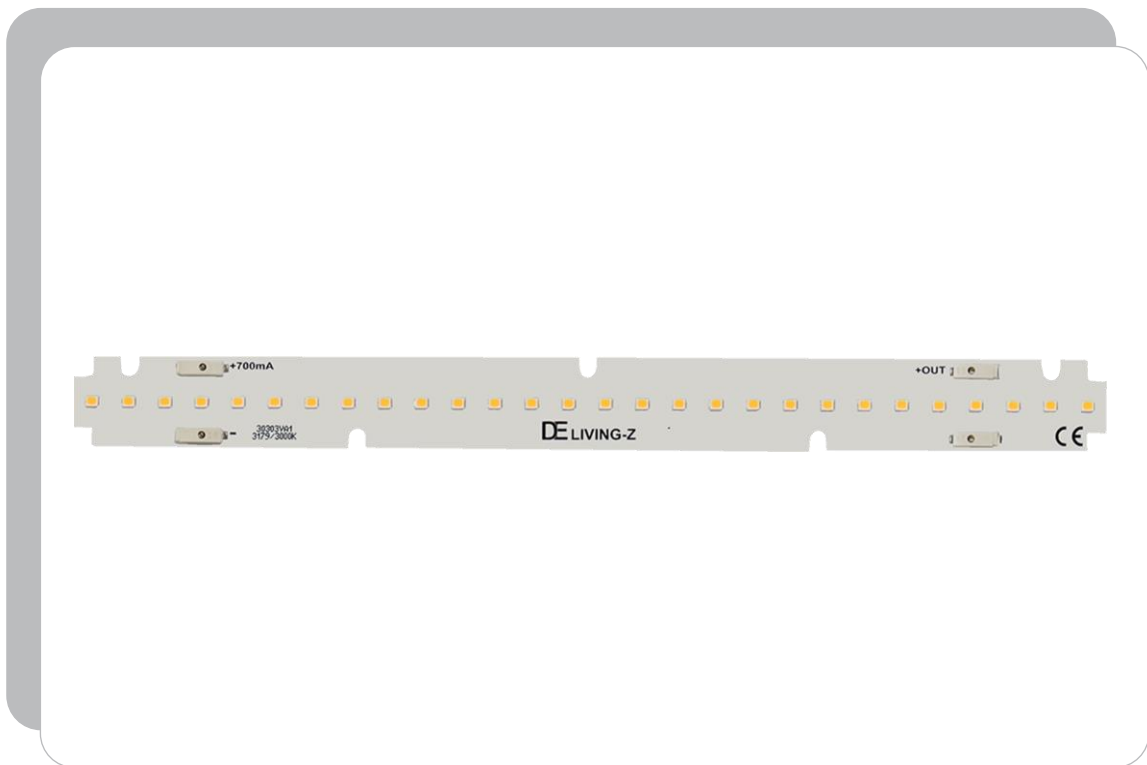

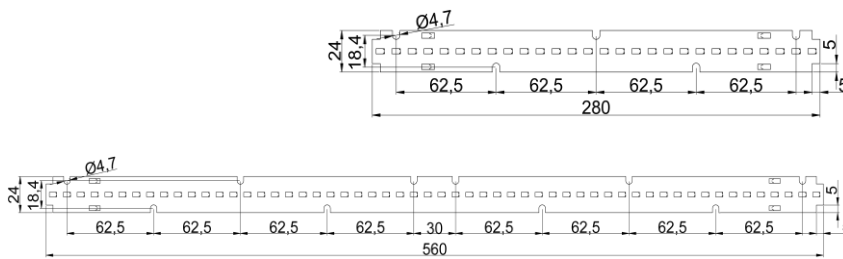


LED-Leiterplatten

 **SMD-FR4-Leiterplatte LIVING-Z, 280x 24mm; 560x 24mm**



Drees GmbH Sundern / GERMANY	SMD-FR4-Leiterplatte LIVING-Z 280x 24mm; 560x 24mm 564-310-xxxx 564-311-xxxx	Kategorie: LED-Leiterplatten
		2018-06-12
		R003
		

SMD-FR4-Leiterplatte 280x 24mm // 560x 24mm mit Steckklemme
 SMD-FR4-PCB 280x 24mm // 560x 24mm with plug terminal

IP00   

Technische Daten / specifications:

LED-Typ LED type	2835HE
Eingangsstrom input current	typ. 700mA, max. 1050mA
Abstrahlwinkel beam angle	120°
Dimmbarkeit dimmability	dimmbar dimmable
Umgebungstemperatur (ta) ambient temperature (ta)	-20°C – +45°C
Gehäusetemperatur (tc) case temperature (tc)	max. 65°C
Schutzklasse safety class	III
Schutzart protection class	IP00
Material /-stärke material / thickness	FR4 weiß / 1,0mm (+/- 10%) FR4 white / 1,0mm (+/- 10%)
Abmessungen (LxB) dimensions (LxW)	280x24mm // 560x24mm
Leitungsquerschnitt Steckklemme conductor cross section plug terminal	0,34 - 0,75mm ² AWG 18 - 24
Abisolierlänge Stripping length	max. 9,0mm max. 0,35in

Folgende Angaben bei $t_j = 25^\circ\text{C}$ / following information at $t_j = 25^\circ\text{C}$

L x B L x W	LED-Anzahl LED quantity	Eingangsstrom input current	typ. Nennleistung / Vf typ. rated power / Vf		Lichtstrom luminous flux	Farbtemp. colour temp.	CRI CRI	Artikel-Nr. item no.
280 x 24mm	28	350mA	3,92W	11,20V	672lm	typ. 2700K	>80	564-310-2700
		500mA	5,76W	11,52V	924lm			
		700mA	8,32W	11,88V	1260lm			
		1050mA	13,02W	12,40V	1848lm			
280 x 24mm	28	350mA	3,92W	11,20V	717lm	typ. 3000K	>80	564-310-3000
		500mA	5,76W	11,52V	986lm			
		700mA	8,32W	11,88V	1344lm			
		1050mA	13,02W	12,40V	1971lm			
280 x 24mm	28	350mA	3,92W	11,20V	762lm	typ. 4000K	>80	564-310-4000
		500mA	5,76W	11,52V	1047lm			
		700mA	8,32W	11,88V	1428lm			
		1050mA	13,02W	12,40V	2095lm			
280 x 24mm	28	350mA	3,92W	11,20V	762lm	typ. 4500K	>80	564-310-4500
		500mA	5,76W	11,52V	1047lm			
		700mA	8,32W	11,88V	1428lm			
		1050mA	13,02W	12,40V	2095lm			
280 x 24mm	28	350mA	3,92W	11,20V	762lm	typ. 5000K	>80	564-310-5000
		500mA	5,76W	11,52V	1047lm			
		700mA	8,32W	11,88V	1428lm			
		1050mA	13,02W	12,40V	2095lm			
280 x 24mm	28	350mA	3,92W	11,20V	762lm	typ. 5600K	>80	564-310-5600
		500mA	5,76W	11,52V	1047lm			
		700mA	8,32W	11,88V	1428lm			
		1050mA	13,02W	12,40V	2095lm			
280 x 24mm	28	350mA	3,92W	11,20V	762lm	typ. 6500K	>80	564-310-6500
		500mA	5,76W	11,52V	1047lm			
		700mA	8,32W	11,88V	1428lm			
		1050mA	13,02W	12,40V	2095lm			
280 x 24mm	28	350mA	3,92W	11,20V	700 lm	typ. 4000K	>90	564-310-4001
		500mA	5,76W	11,52V	980 lm			
		700mA	8,32W	11,88V	1360 lm			
		1050mA	13,02W	12,40V	1800 lm			

 Folgende Angaben bei $t_j = 25^\circ\text{C}$ / following information at $t_j = 25^\circ\text{C}$

L x B L x W	LED-Anzahl LED quantity	Eingangsstrom input current	typ. Nennleistung / Vf typ. rated power / Vf		Lichtstrom luminous flux	Farbtemp. colour temp.	CRI CRI	Artikel-Nr. item no.
560 x 24mm	56	350mA	7,84W	22,40V	1344lm	typ. 2700K	>80	564-311-2700
		500mA	11,52W	23,04V	1848lm			
		700mA	16,63W	23,76V	2520lm			
		1050mA	26,04W	24,80V	3696lm			
560 x 24mm	56	350mA	7,84W	22,40V	1434lm	typ. 3000K	>80	564-311-3000
		500mA	11,52W	23,04V	1971lm			
		700mA	16,63W	23,76V	2688lm			
		1050mA	26,04W	24,80V	3942lm			
560 x 24mm	56	350mA	7,84W	22,40V	1523lm	typ. 4000K	>80	564-311-4000
		500mA	11,52W	23,04V	2094lm			
		700mA	16,63W	23,76V	2856lm			
		1050mA	26,04W	24,80V	4189lm			
560 x 24mm	56	350mA	7,84W	22,40V	1523lm	typ. 4500K	>80	564-311-4500
		500mA	11,52W	23,04V	2094lm			
		700mA	16,63W	23,76V	2856lm			
		1050mA	26,04W	24,80V	4189lm			
560 x 24mm	56	350mA	7,84W	22,40V	1523lm	typ. 5000K	>80	564-311-5000
		500mA	11,52W	23,04V	2094lm			
		700mA	16,63W	23,76V	2856lm			
		1050mA	26,04W	24,80V	4189lm			
560 x 24mm	56	350mA	7,84W	22,40V	1523lm	typ. 5600K	>80	564-311-5600
		500mA	11,52W	23,04V	2094lm			
		700mA	16,63W	23,76V	2856lm			
		1050mA	26,04W	24,80V	4189lm			
560 x 24mm	56	350mA	7,84W	22,40V	1523lm	typ. 6500K	>80	564-311-6500

		500mA	11,52W	23,04V	2094lm			
		700mA	16,63W	23,76V	2856lm			
		1050mA	26,04W	24,80V	4189lm			

Bei Einbau der Leiterplatte muss darauf geachtet werden, dass eine ausreichende Wärmeableitung stattfinden kann.

When installing the PCB sufficient heat dissipation has to be guaranteed.

Ökodesign-Richtlinie / **ecodesign directive**

Einstufung durchgeführt gemäß **2009/125/EG**
classification according to **2009/125/EC**

Energieeffizienzklasse **A++**
energy efficiency class