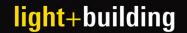


The German Electrical and Electronic Manufacturers Association (ZVEI)

- The Lighting Division at L+B 2020

Press conference of Messe Frankfurt in Vienna 6 November 2019

Dr Jürgen Waldorf Managing Director, Lighting Division GF licht.de 8. – 13. 3. 2020 Frankfurt am Main



Weltleitmesse für Licht und Gebäudetechnik

ZVEI – The association for the electrical and electronic industry





- 1,600 member firms (small size – medium size – industrial groups)
- ZVEI-Services GmbH and Academy
- Expertise of 150 staff
- Product-specialist expertise of 22 associations

The Lighting Division within the ZVEI with licht.de

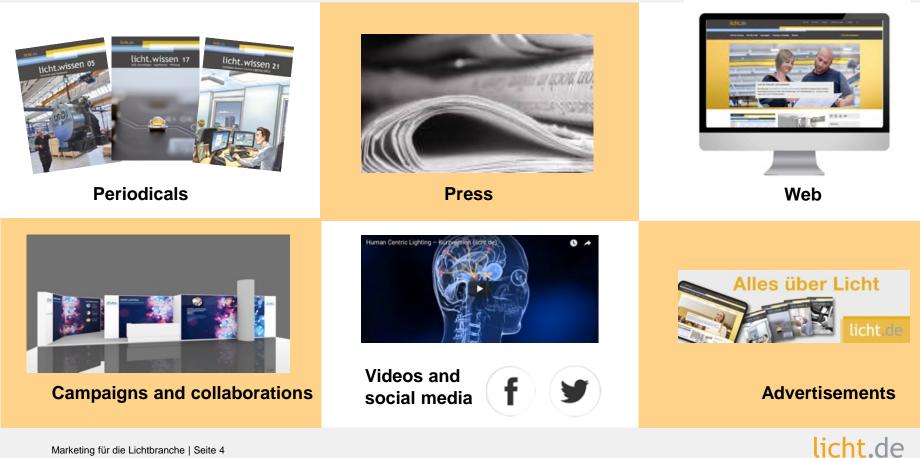
125 members (Germany, EU)

General lighting (luminaires, lamps, LED, drivers...)



Marketing for the lighting industry: licht.de

Our "lighting" tools on the market



Tool: Webseite www.licht.de and social media











2018: 650,000 visitors Monthly: 54,000 visitors 36 % mobile access

Newsletter subscribers: 3,400

1,500 subscribers + 35 %

Followers in Germany 1,900 + 3 %

Followers in England: 2,200 + 5 %

> 20,000 call-ups for HCL films





licht.de



ZVEI and licht.de at L+B 2020





 Technology forum Hall 12.1
 licht.de Hall 3.0



ZVEI topics and issues



 Digitalisation LaaS SRI Cyber security 	Market - Support programmes - Statistics	- Ecod - Energ - EPRE - Prohi	 Ecodesign + circular economy Ecodesign Directive Energy labelling EPREL Prohibited substances (Hg) Sustainability 			
Lighting quality - GEG - ASR / Workplace Directing - HCL	 Product qual LED guide Photobiolo Flickers 	ine	Studies and research - PQL - Emergency lighting - Flickers			
- DIN IEC ISO			- IoL			

2019-11-06: 8

Awakening interest and conveying information

Supports new topics and issuesIs the immediate contact for all people

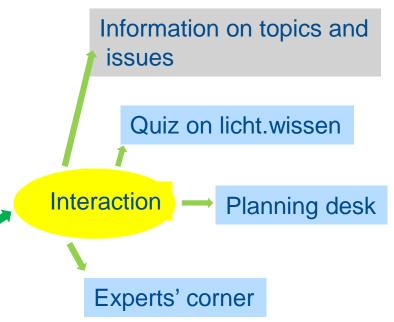
Bundles expert knowledge

 Is the bridge between lighting expertise and practice

licht.de

licht.de at L+B 2020

interested in lighting





Current topics



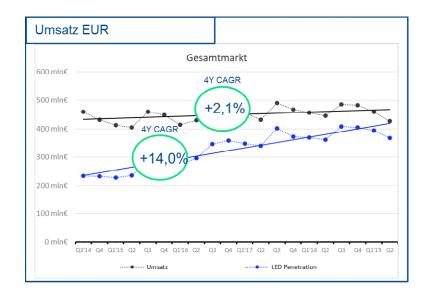


licht.de		_				
		-	_	-	_	_
Qualität i	n den Li		lauchti	-		
Guantat						_
Andrew storage	and the second of					
Do not have a						
an to a during						
Für Entscheider	C Qualitation			n	near land	
	tin.	alare -	-	Statistics.	Sec.	-
Contraction of the	(per units)	-	0-0-0	Address of		-
1	ancase.	Case Alling	Address of the	No. in the	-	L.
Contact Income	dani si k	100	data and day	-	-	-
Louis .	Original State	Colorgenty.	Internet	Maximum and the second	-	-
Für Planer: Pro-	dukt-send Dy		en für die O	usitatubes	writing	
De Dupiele le Par	a second	And a state of	Contraction in the			
De Ductiele le Tra- Doutenational aut	a and the last	And a state of	Contraction in the			
De Duccielo lo Par	a and the last	And a state of	Contraction in the	paring of	the little	
De Duccielo lo Par	a and the last		-		Topas a	
De Ductiele le Tra- Doutenational aut	a and the last		-		Total Street	1 11 1
De Ductiele le Tra- Doutenational aut	1		Para Internet Maria	11 11	Topological Constructions Constructions	1 11 1
De Duccielo lo Par			Pain Services Services		ine oraș Dege	1111111
De Ductiele le Tra- Doutenational aut	and Decision Decision decision decision		Rational Social		Contraction Description Description Description Description Description	1111111111
De Duccielo lo Par	And Series Victoria Series Series Marching		in any in any in any		ine oraș Ine oraș Ine oraș Ine oraș Ine oraș	1111111

icht.de				
		_	_	_
	And the Unit American Section			
Prostant				
Kamerara, Jarma, Jakov.				
International Advancements	line in Arters			-
fame on Hanny				
Resident Superingence or 100	view lines, 2 Mar			
	C Res 2 Frank C Hardwood	The later		
e or better branch				
And in famous and the	< 8-10		1.000	and a
And in terrory spectrum?	C Britan	-		
Act is terrorganite T	C Brite Dissection parts and S Auto de Acoute and Acoute S Auto de Casto and Acoute C Specie C San	-	1.1	
Act is terrorganite T	 Bestar Bestario senti anali il setto ai constructo patie Bestario in constructo patienti Bestario francosti patienti Gamenti il Sano 	-	1.0	-
And in termination if	C Brite Dissection parts and S Auto de Acoute and Acoute S Auto de Casto and Acoute C Specie C San	-	1.0	-
Alf is for a part of the T is an and the state of the T Barrier and the state of the the state of the state of the the distance beam state of the the distance beam state of the state of t	Borter Borter control and Borter control Borter contro Borter control Borter c	-	1.0	-
Act is terrorganite T	Entropy Monoconsent and Monoconse	1		
Alf is for a part of the T is an and the state of the T Barrier and the state of the the state of the state of the the distance beam state of the the distance beam state of the state of t	Sector Sector	1		1 1 10
Alf is for a part of the T is an and the state of the T Barrier and the state of the the state of the state of the the distance beam state of the the distance beam state of the state of t	Entropy Exception of a constrained Exception of a	1		1 1 101
Alf is for a part of the T is an and the state of the T Barrier and the state of the the state of the state of the the distance beam state of the the distance beam state of the state of t	Entral Entral of Access sum and Entral of Access sum and Entral of Access sum and access and access sum and a	1	-	1 1 1010
Alf is for a part of the T is an and the state of the T Barrier and the state of the the state of the state of the the distance beam state of the the distance beam state of the state of t	Brites Brites	1	-	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Alf is for a part of the T is an and the state of the T Barrier and the state of the the state of the state of the the distance beam state of the the distance beam state of the state of t	Sonar S	1		T T T T T T T T T
Not in home spectre if the schedule spectre and spectre and the distance between spectre distance between spectre from every the fraction spectre from every the fraction spectre	Brites Brites	1	-	2 222222
And in Learning sectors IV the sectors of the off the sectors of the off the sectors of the off the sectors of the sector of the off the sectors of the sector of the off the sectors of the sector of the sectors of the sectors of the the sectors of the sectors of the sectors of the sectors of the the sectors of the sectors of the sectors of the sectors of the the sectors of the sectors of the sectors of the sectors of the the sectors of the sectors of the sectors of the sectors of the the sectors of the sectors of the sectors of the sectors of the the sectors of the sectors o	Control Control Contro Contro Contro	1		2 222222
And in Learning sectors IV the sectors of the off the sectors of the off the sectors of the off the sectors of the sector of the off the sectors of the sector of the off the sectors of the sector of the sectors of the sectors of the the sectors of the sectors of the sectors of the sectors of the the sectors of the sectors of the sectors of the sectors of the the sectors of the sectors of the sectors of the sectors of the the sectors of the sectors of the sectors of the sectors of the the sectors of the sectors of the sectors of the sectors of the the sectors of the sectors o	Andream State	1		1 222222







Sales in Euros

Overall market = interior lighting with security lighting + outside lighting Source: ZVEI



Currently planned.....



ZVEI information leaflets:

- Light as a Service
- Sustainability and ecology in outside lighting
- Guides to EU Directives
 - RED
 - Ecodesign
 - Energy labelling
 - Database



Many thanks ...

Just one more question.....

8. – 13. 3. 2020 Frankfurt am Main



Weltleitmesse für Licht und Gebäudetechnik

Connecting. Pioneering. Fascinating.



and licht.de?

We'll tell you on 13 March...

