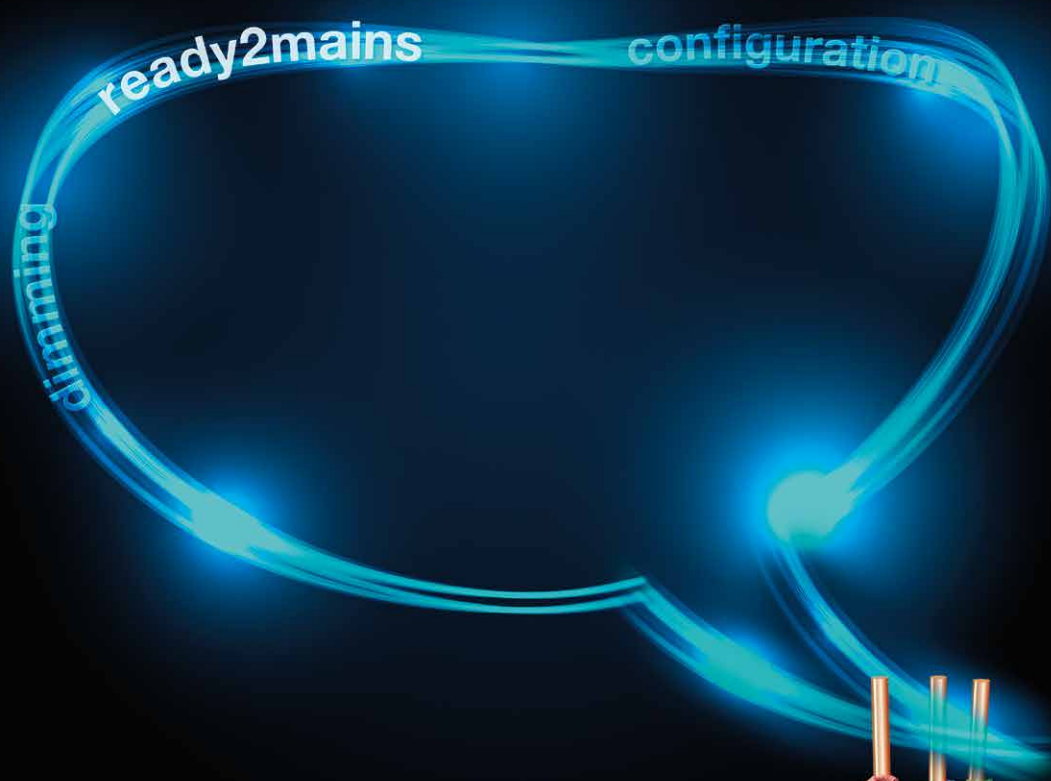


LED solutions

ready2mains

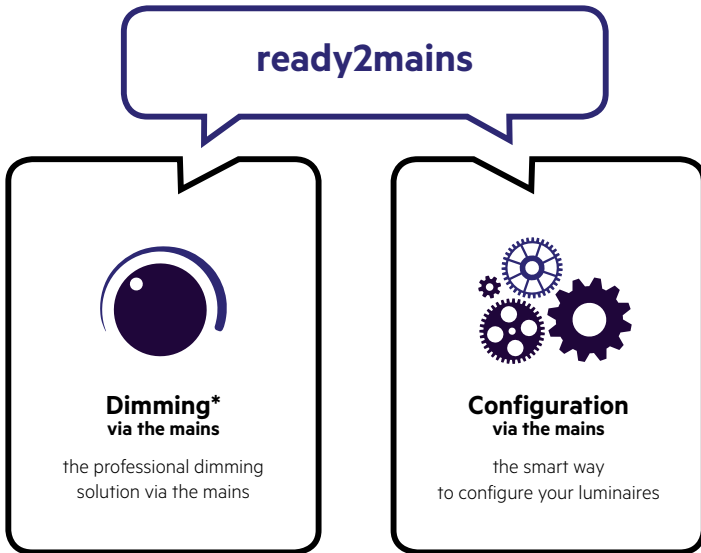
tells the current how to communicate



TRIDONIC

Tells the current how to communicate

Simple connection, secure configuration

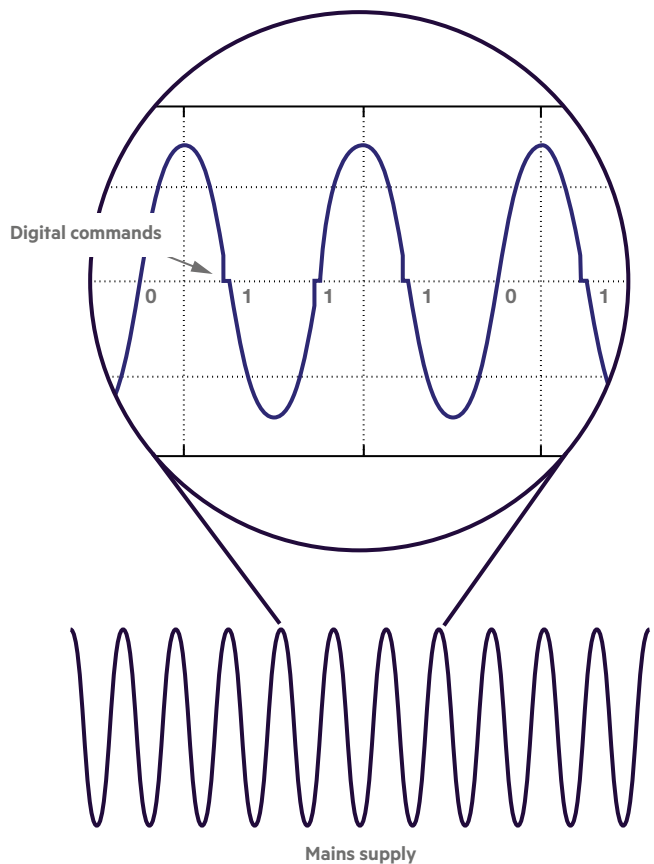


ready2mains uses the mains cable to transmit information: easily, reliably and professionally.

Luminaires are controlled and dimmed* directly via the mains, with no need for any additional wiring. Manufacturers can configure their luminaires with ready2mains, saving time and enhancing flexibility. ready2mains reduces production costs and installation costs and also reduces possible sources of error.

That's how your current communicates

ready2mains uses phase-cuts to send digital commands via the mains wiring.



*only Driver PREMIUM

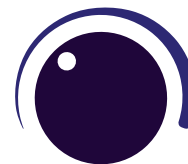
ready2mains gateway

Dimming* via the mains

The professional dimming solution via the mains

ready2mains is the professional way to dim* via the mains. It allows for easy and cost-efficient refurbishment of existing luminaire installations with the latest dimmable LED technology. There's no need for any rewiring within the ceilings as the existing mains wiring is used for communication. It is simple to install and provides the basis for cost-effective solutions.

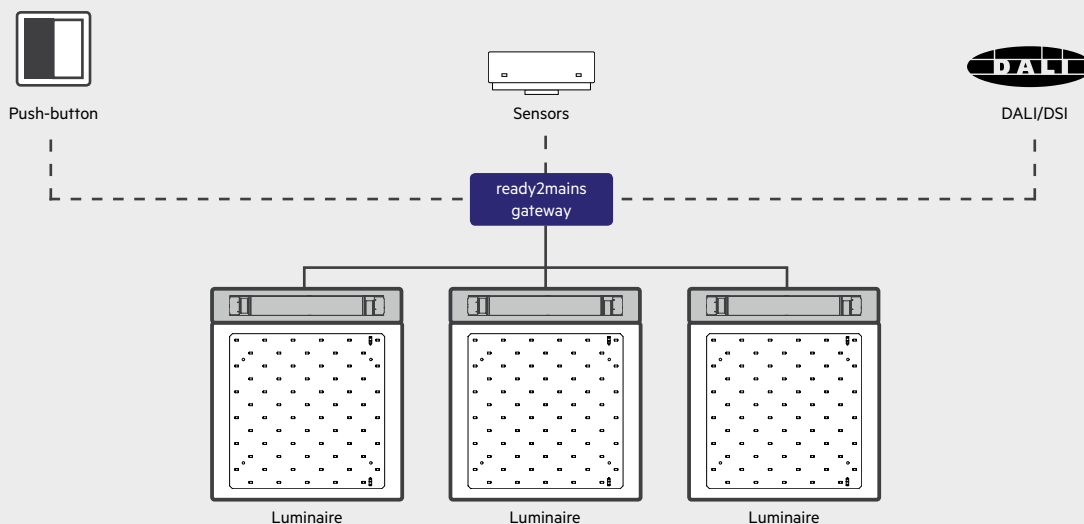
- Low-cost upgrade from non-dimmable installations to dimmable LED solutions
- Energy savings thanks to simple integration of sensors and push-buttons by using the one4all interface (DALI, DSI, switchDIM, corridorFUNCTION)
- No need for rewiring in the ceilings



Dimming*
via the mains

Possible applications

The ready2mains gateway transfers the commands from the control unit onto the mains wiring. The simplest control is a push-button. For maximum energy savings daylight and presence sensors can also be connected. Additionally, the ready2mains installation can be integrated into DALI networks, e.g. to connect to a building management system.



* only Driver PREMIUM

ready2mains gateway

ready2mains gateway 400VA



At a glance: ready2mains gateway 400 VA

- Interface for transmitting digital control and dimming commands* to ready2mains-capable LED Driver via the mains wiring
- Simple integration of sensors and pushbuttons thanks to one4all interface (DALI, DSI, switchDIM, corridorFUNCTION)
- Max. connected load: 400 VA (maximum of 15 ready2mains LED Drivers)
- 5-year guarantee

Designation	Size (mm)	Order No.
ready2mains Gateway 400VA	159,4 x 82 x 34	28001248

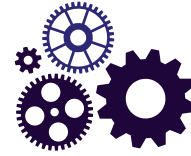
*only Driver PREMIUM

Configuration via the mains

The smart way to configure your luminaires

ready2mains is the easy way to configure your LED luminaires, even fixed-output types. There is no need for an additional communication interface as the existing mains interface is used. It significantly reduces the risk of failure by offering user-defined configuration scripts, and allows for simple and flexible integration in existing test setups.

- Simple configuration of the LED Driver in the luminaire during production
- For the first time non-dimmable LED Drivers can be automatically configured
- Reduced risk of failure
- Simple integration in existing test setups



Configuration via the mains

Possible applications

Manual configuration

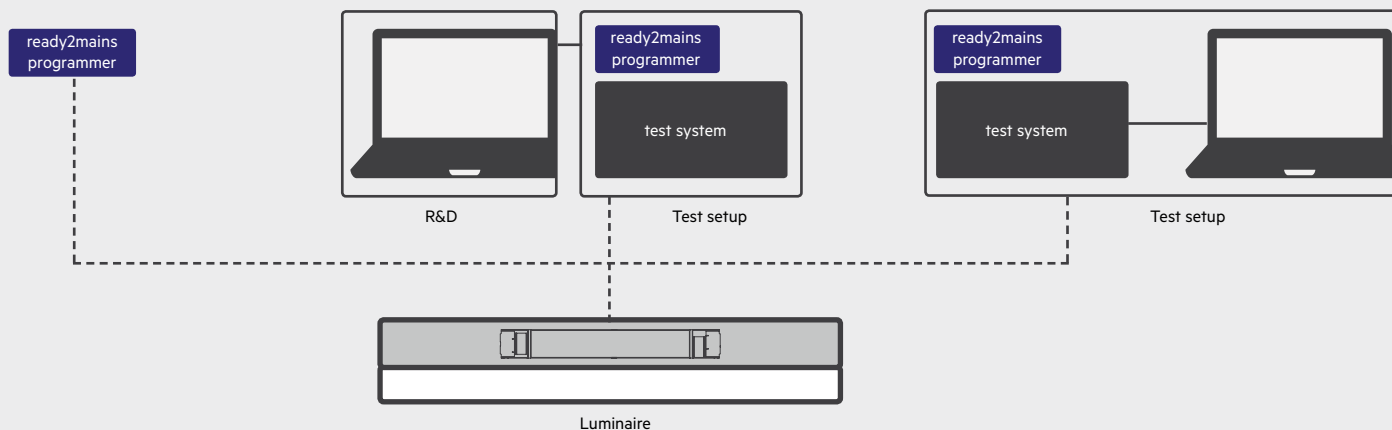
The output current is configured manually via the ready2mains programmer. An additional software is not necessary.

Configuration via script

A configuration file (script) is created with the aid of freely available software and transferred to the ready2mains programmer before use.

Automatic configuration in the test setup

The ready2mains programmer is permanently integrated in the test setup. Configuration is performed directly in the luminaire manufacturer's existing test software.



Digital configuration via ready2mains completely replaces manual current setting (up to now via resistance plugs, DIP switches, etc.). The fact that manual operations are no longer required means that sources of errors are reduced to a minimum and there is no longer any need to manage resistor plugs.

ready2mains programmer

ready2mains programmer



At a glance: ready2mains programmer

- Interface for programming ready2mains parameters via the mains wiring in luminaire production/test setups
- Up to 500 scripts can be stored (ready2mains and DALI scripts)
- USB interface and software library for simple integration in automated test systems
- Parallel programming of up to five LED Drivers (max. 400 VA)
- Current can be set in 1 mA steps
- Integrated DALI USB interface incl. bus supply (disconnectable)

Designation	Size (mm)	Order No.
ready2mains programmer	172 x 90 x 47	28001206

ready2mains in the portfolio

LED Drivers in the EXCITE and PREMIUM product layers are equipped with ready2mains technology

Overview of form factors

Linear Low Profile



For area luminaires and linear, decorative and free-standing luminaires

Built-in



For spotlights, floor-wall luminaires

Independent



For downlights, spotlights

Stretched Compact



For downlights, spotlights, floor-wall luminaires

In view of the rapid progress in LED technology, the new driver are designed to operate a wide variety of professional dimmable* LED solutions. In retail applications where size is of the utmost importance, three form factors (Built-in, Independent, Stretched Compact) offer the perfect choice for every luminaire type. For efficiency-driven office applications, the Linear Low Profile versions cover the entire power range by providing application-oriented operating ranges.

Common features: Driver EXC and PRE

- Constant current LED Drivers with application-oriented operating ranges
- Output power ranges from 10 W to 150 W
- High efficiency up to > 93 %
- New ready2mains technology enables configuration and dimming* via the mains
- New I-Select 2 interface on primary side
- Various form factors including new 'Stretched Compact' casing with clip-on strain relief

At a glance: Driver EXCITE

- Configurable via ready2mains interface
- Four different designs, optimised for different applications

At a glance: Driver PREMIUM

- Configurable and dimmable* via ready2mains interface
- one4all interface supports DALI, DSI, switchDIM and corridorFUNCTION
- Superior dimming performance with dimming range of 100...1%
- Unique standby losses of <0.15 W

* only Driver PREMIUM

EXCITE**Driver EXCITE | Built-in**

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LC 10W 150-400mA flexC C EXC	150-400	15-45	10	yes	220-240	105 x 70 x 22,3	28000692
LC 17W 250-700mA flexC C EXC	250-700	15-50	17	yes	220-240	105 x 70 x 22,3	28000693
LC 25W 350-1050mA flexC C EXC	350-1,050	20-50	25	yes	220-240	105 x 70 x 22,3	28000694
LC 45W 500-1400mA flexC C EXC	500-1,400	20-50	45	yes	220-240	120 x 70 x 22,3	28000695
LC 60W 900-1750mA flexC C EXC	900-1,750	20-54	60	yes	220-240	125 x 85 x 28,3	28000696
LC 100W 1100-2100mA flexC C EXC	1,100-2,100	20-54	100	yes	220-240	140 x 100 x 30	28001572

Driver EXCITE | Independent

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LC 10W 150-400mA flexC SR EXC	150-400	15-45	10	yes	220-240	200 x 70 x 31	28000698
LC 17W 250-700mA flexC SR EXC	250-700	15-50	17	yes	220-240	200 x 70 x 31	28000699
LC 25W 350-1050mA flexC SR EXC	350-1,050	20-50	25	yes	220-240	200 x 70 x 31	28000700
LC 45W 500-1400mA flexC SR EXC	500-1,400	20-54	45	yes	220-240	215 x 70 x 31	28000701
LC 60W 900-1750mA flexC SR EXC	900-1,750	20-54	60	yes	220-240	220 x 85 x 31	28000702
LC 100W 1100-2100mA flexC SR EXC	1,100-2,100	20-54	100	yes	220-240	235 x 100 x 31	28001573

Driver EXCITE | Stretched Compact

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LC 10W 150-400mA flexC SC EXC	150-400	15-45	10	yes	220-240	97 x 43 x 30	28000704
LC 17W 250-700mA flexC SC EXC	250-700	15-50	17	yes	220-240	97 x 43 x 30	28000705
LC 25W 350-1050mA flexC SC EXC	350-1,050	20-50	25	yes	220-240	97 x 43 x 30	28000706
LC 45W 500-1400mA flexC SC EXC	500-1,400	20-50	45	yes	220-240	115 x 43 x 30	28000707
ACU SC 43x30 mm CLIP-ON SR SET (Optional clip-on strain relief set for Stretched Compact housing)						30 x 43 x 30	28001168
ACU SC 15x43x30mm CLIP-ON SR (Optional clip-on strain relief set for Stretched Compact housing)						15 x 43 x 30	28001574

Driver EXCITE | Linear Low Profile

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LC 25W 100-500mA flexC lp EXC	100-500	20-50	25	yes	220-240	280 x 30 x 21	28000679
LC 50W 100-400mA flexC lp EXC	100-400	50-140	50	no	220-240	280 x 30 x 21	28000680
LC 50W 350-1050mA flexC lp EXC	350-1,050	20-50	50	yes	220-240	360 x 30 x 21	28000681
LC 75W 100-400mA flexC lp EXC	100-400	50-220	75	no	220-240	280 x 30 x 21	28000713
LC 75W 250-550mA flexC lp EXC	250-550	80-220	75	no	220-240	280 x 30 x 21	28001808
LC 75W 350-1050mA flexC lp EXC	350-1,050	40-110	75	no	220-240	280 x 30 x 21	28000683
LC 75W 900-1800mA flexC lp EXC	900-1,800	20-50	75	yes	220-240	360 x 30 x 21	28000684
LC 100W 250-700mA flexC lp EXC	250-700	80-220	100	no	220-240	280 x 30 x 21	28000690

EXCITE 1-10 V**Driver EXCITE | 1-10 V Linear Low Profile**

NEW	Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
	LCA 75W 100-400mA 1-10V Ip EXC	100-400	50-220	75	no	220-240	280 x 30 x 21	28001807
	LCA 75W 250-550mA 1-10V Ip EXC*	250-550	50-220	75	no	220-240	280 x 30 x 21	28001982

*Coming soon, preliminary data; subject to change.

PREMIUM

Driver PREMIUM | Built-in

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LCA 10W 150-400mA one4all C PRE	150-400	15-40	10	yes	220-240	105 x 70 x 22	28000663
LCA 17W 250-700mA one4all C PRE	250-700	15-50	17	yes	220-240	105 x 70 x 22	28000664
LCA 25W 350-1050mA one4all C PRE	350-1,050	20-50	25	yes	220-240	120 x 70 x 22	28000665
LCA 45W 500-1400mA one4all C PRE	500-1,400	25-50	45	yes	220-240	120 x 70 x 22	28000666
LCA 60W 900-1750mA one4all C PRE	900-1,750	20-54	60	yes	220-240	125 x 85 x 28	28000667
LCA 100W 1100-2100mA one4all C PRE	1,100-2,100	20-54	100	yes	220-240	140 x 100 x 30	28001570

Driver PREMIUM | Independent

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LCA 10W 150-400mA one4all SR PRE	150-400	15-40	10	yes	220-240	200 x 70 x 31	28000669
LCA 17W 250-700mA one4all SR PRE	250-700	15-50	17	yes	220-240	200 x 70 x 31	28000670
LCA 25W 350-1050mA one4all SR PRE	350-1,050	20-50	25	yes	220-240	200 x 70 x 31	28000671
LCA 45W 500-1400mA one4all SR PRE	500-1,400	25-50	45	yes	220-240	215 x 70 x 31	28000672
LCA 60W 900-1750mA one4all SR PRE	900-1,750	20-54	60	yes	220-240	220 x 85 x 31	28000677
LCA 100W 1100-2100mA one4all SR PRE	1,100-2,100	20-54	100	yes	220-240	235x 100 x 31	28001571

Driver PREMIUM | Stretched Compact

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LCA 10W 150-400mA one4all SC PRE	150-400	15-40	10	yes	220-240	130 x 43 x 30	28000673
LCA 17W 250-700mA one4all SC PRE	250-700	15-50	17	yes	220-240	130 x 43 x 30	28000674
LCA 25W 350-1050mA one4all SC PRE	350-1,050	20-50	25	yes	220-240	130 x 43 x 30	28000675
LCA 45W 500-1400mA one4all SC PRE	500-1,400	25-50	45	yes	220-240	150 x 43 x 30	28000676
ACU SC 43x30mm CLIP-ON SR SET (Optional clip-on strain relief set for Stretched Compact housing)						30 x 43 x 30	28001168
ACU SC 15x43x30mm CLIP-ON SR (Optional clip-on strain relief set for Stretched Compact housing)						15 x 43 x 30	28001574
ACU SC 30x43x30mm CLIP-ON SR PA (Optional clip-on strain relief set for Stretched Compact housing)						30 x 43 x 30	28001699
ACU SC 43x30mm CLIP-ON SR SET 300 (Optional clip-on strain relief set for Stretched Compact housing)						15 x 43 x 30	28001351

Driver PREMIUM | Linear Low Profile

Designation	Output current (mA)	Output voltage range (V)	Output power (W)	SELV 60 V	Input voltage (V)	Size (mm)	Order No.
LCA 35W 150-700mA one4all lp PRE	150-700	20-54	35	yes	220-240	280 x 30 x 21	28000654
LCA 50W 100-400mA one4all lp PRE	100-400	50-140	50	no	220-240	280 x 30 x 21	28000655
LCA 50W 350-1050mA one4all lp PRE	350-1,050	20-50	50	yes	220-240	360 x 30 x 21	28000656
LCA 75W 100-400mA one4all lp PRE	100-400	110-220	75	no	220-240	280 x 30 x 21	28000657
LCA 75W 250-550mA one4all lp PRE	250-550	80-150	75	no	220-240	280 x 30 x 21	28001250
LCA 75W 350-1050mA one4all lp PRE	350-1,050	40-110	75	no	220-240	360 x 30 x 21	28000659
LCA 75W 900-1800mA one4all lp PRE	900-1,800	20-50	75	yes	220-240	360 x 30 x 21	28000660
LCA 100W 250-700mA one4all lp PRE	250-700	80-220	100	no	220-240	360 x 30 x 21	28000661

Prepared for the Future

Our Activities and Locations



1,700

Around 1,700 employees throughout the world are committed to helping you with their know-how and creativity to create the perfect light.

7

There are seven research and development centres in which new LEDs and networked lighting technologies are being developed.

3

There are three things you can rely on atTridonic: optimum product quality, decades of expertise and our committed and flexible support.

27

With 27 branch offices on five continents we are there for you wherever you are in the world.

2,700

That's how many patents and inventions testify to Tridonic's extraordinary powers of innovation.

Details

For further information, data sheets, product catalogues and ordering details, please go to www.tridonic.com

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From a single source



Engine DLE



Engine CLE



Engine CLE Integrated



Engine LLE-FLEX



Engine SLE



Engine FLE



Engine LLE



Engine QLE

We will help you to create lighting solutions that are unbeatable in terms of economy and functionality, according to the slogan:
We devote all our energy to your light.

As an international company, Tridonic is represented worldwide by 30 branch offices and partners in 73 countries.



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Light you want to follow.

