

LED Engine

# Engine ready2apply

For spot- and downlights



TRIDONIC



# Applications and Product Portfolio

## Professional LED systems the easy way

### Main applications

#### Downlight



Engine DLA  
ready2apply



Replacement for  
compact fluorescent lamps

#### Spotlight



Engine SLA  
ready2apply



Replacement for  
halogen lamps MR16



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**The new ready2apply products are suitable for direct installation in ceilings – simple and convenient because the LED module, heat sink and lens form a single unit. This means it is possible to switch very quickly and cost-effectively from conventional halogen or compact fluorescent lamps to a preconfigured professional LED solution.**

The ready2apply range features installation-ready spotlight and downlight solutions to meet professional lighting requirements, for example in shops and hotels. Even the LED Driver has been integrated in the Engine DLA ready2apply downlight version. The SLA ready2apply for spotlights is offered in two versions: one as single part and one for phase-cut dimmers.

#### At a glance: Engine ready2apply

- Complete ready-to-apply solution for quick and simple upgrades from conventional lighting to LED lighting (individual mounting ring required)
- Engine DLA ready2apply for downlights, with integrated fixed output or ClickDIM dimmable LED Driver
- Engine SLA ready2apply for spotlights, dimming via suitable LED Driver

Engine ready2apply

# Engine DLA

## For downlights



### At a glance: Engine DLA ready2apply

- LED replacement for downlights with compact fluorescent lamps
- Complete ready-to-apply solution comprising LED module, lens, heat sink and LED Driver
- Casing type with 3 cutouts (R) and without cutouts (R SH)
- Sizes: ø 100 mm with 1000 lm, ø 150 mm with 2000 lm
- High efficiency of 100 lm/W (tp = 65°C)
- High colour rendering index of CRI > 80
- Narrow colour tolerance: MacAdam 4
- Perfect beam angle thanks to optional Tridonic reflectors with 60° or 90°
- Nominal lifetime of up to 30,000 hours (L70/B50), 3-years guarantee

**Thanks to Engine DLA ready2apply the switch from downlights with conventional compact fluorescent lamps (CFLs) to ones with LEDs is really simple. This installation-ready solution includes the LED module, the lens, the heat sink and even the LED driver.**

The individual components are perfectly matched to one another electronically, thermally and optically. The appropriate reflectors are also available from Tridonic. As in the case of the mounting ring, you can also use existing alternatives. The integrated ClickDIM LED Driver allows simply switching between the full brightness (100%), energy saving mode (50%) or lowest level (10%) through a finger touch on the normal wall switch (no need dimmer at all).

Engine ready2apply

# Engine DLA

Type	Size (mm)	Order No. Global	Order No. China	Colour-temperature (K)	Luminous flux <sup>*)</sup> (lm)	Luminous flux with 60°/90° <sup>*)</sup> (lm)	Typ. power consumption <sup>*)</sup> (W)	Module efficacy <sup>*)</sup> (lm/W)	Module efficacy with 60°/90° <sup>*)</sup> (lm/W)
Engine DLA ready2apply									
DLA G1 100mm 1000lm 830 R SNC	Ø 114 x 72	28001090	23000101	3,000	1,000	1,020	11.6	86	88
DLA G1 100mm 1000lm 830 R SH SNC		28001264							
DLA G1 100mm 1000lm 840 R SNC	Ø 114 x 72	28001091	23000102	4,000	1,050	1,070	11.6	90	92
DLA G1 100mm 1000lm 840 R SH SNC		28001265							
DLA G1 100mm 1000lm 865 R SNC	Ø 114 x 72	87500479		6,500	1,050	1,070	11.6	91	92
DLA G1 150mm 2000lm 830 R SNC	Ø 164 x 82	28001092	23000103	3,000	2,000	2,040	22.7	88	90
DLA G1 150mm 2000lm 830 R SH SNC		28001266							
DLA G1 150mm 2000lm 840 R SNC	Ø 164 x 82	28001093	23000104	4,000	2,100	2,140	22.7	92	94
DLA G1 150mm 2000lm 840 R SH SNC		28001267							
DLA G1 150mm 2000lm 865 R SNC	Ø 164 x 82	87500480		6,500	2,130	2,160	22.7	93	95
Engine DLA ready2apply ClickDIM									
DLA G1 100mm 1000lm 830 R ClickD SNC	Ø 114 x 72	87500588		3,000	1,000	1,020	11.7	85	86
DLA G1 100mm 1000lm 830 R SH ClickD SNC		87500594							
DLA G1 100mm 1000lm 840 R ClickD SNC	Ø 114 x 72	87500589		4,000	1,050	1,070	11.7	89	90
DLA G1 100mm 1000lm 840 R SH ClickD SNC		87500595							
DLA G1 100mm 1000lm 865 R ClickD SNC	Ø 114 x 72	87500592		6,500	1,050	1,070	11.7	91	95
DLA G1 150mm 2000lm 830 R ClickD SNC	Ø 164 x 82	87500590		3,000	2,000	2,040	23.0	86	88
DLA G1 150mm 2000lm 830 R SH ClickD SNC		87500596							
DLA G1 150mm 2000lm 840 R ClickD SNC	Ø 164 x 82	87500591		4,000	2,100	2,140	23.0	90	92
DLA G1 150mm 2000lm 840 R SH ClickD SNC		87500597							
DLA G1 150mm 2000lm 865 R ClickD SNC	Ø 164 x 82	87500593		6,500	2,130	2,160	23.0	91	93
Accessories									
ACD REFLECTOR 100mm 60 D	Ø 97.5 x 39	28001094	23000105						
ACD REFLECTOR 100mm 90 D	Ø 97.5 x 39	28001095	23000106						
ACD REFLECTOR 150mm 60 D	Ø 135 x 48.5	28001096	23000107						
ACD REFLECTOR 150mm 90 D	Ø 135 x 48.5	28001097	23000108						

<sup>\*)</sup>Tolerance range for electrical and optical data: ±10 %

Engine ready2apply

# Engine SLA

## For spotlights



Engine SLA ready2apply  
Set phase-cut

### At a glance: Engine SLA ready2apply

- LED replacement for spotlights with halogen lamps
- Complete ready-to-apply solution comprising LED module, lens and heat sink
- Beam angle 21° or 38°
- 10 W~620 lm
- Optimum quality of light: 2,700 K, CRI 90, MacAdam 3
- Electrical voltage 35V
- Can be mounted with any individual fixing ring
- Nominal lifetime of 30,000 hours
- 3-years guarantee



Module SLA  
ready2apply

**Engine SLA ready2apply is the professional LED alternative for spotlights with halogen lamps (MR16 GU5.3, GU10) – and comes with additional benefits.**

Notably an increase in light output from 400 lm to 600 lm compared to MR16 GU10 230 V halogen lamps. The connected load, however, is only 10 watts. Thanks to this greater efficiency, energy costs are reduced to one fifth, with dimming providing additional potential for energy savings. The popular faceted optics with their unmistakable lighting effect are retained, however. Dimming also meets the highest standards.

Type	Size Driver (mm)	Size LED Modul (mm)	Order No.	Forward current (mA)	Colourtemperature (K)	Luminous flux <sup>o</sup>	Typ. power consumption <sup>o</sup>	Module efficacy <sup>o</sup>
<b>Module SLA ready2apply</b>								
SLA G1 50mm 600lm 927 38° SNC	–	Ø 50 x 56	28001227	220 – 250	2,700	610 – 670	7.8 – 9.0	75 – 79
SLA G1 50mm 600lm 927 21° SNC	–	Ø 50 x 56	28001228	220 – 250	2,700	610 – 670	7.8 – 9.0	75 – 79
<b>Module SLA ready2apply phase-cut</b>								
SLA Set pc G1 50mm 600lm 927 38° SNC	135 x 46 x 30.3	Ø 50 x 56	28001230	220	2,700	610	10.1	60
SLA Set pc G1 50mm 600lm 927 21° SNC	135 x 46 x 30.3	Ø 50 x 56	28001231	220	2,700	610	10.1	60

<sup>o</sup>Tolerance range for electrical and optical data: ±10%

# Support and advice

## From a single source



Engine DLE



Engine CLE



Engine CLE Integrated



Engine LLE-FLEX



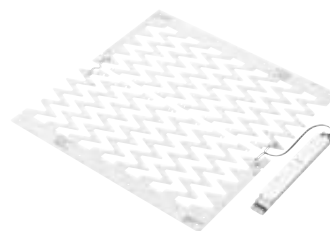
Engine SLE



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.



#### Headquarters

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Light you want to follow.

