

AC LED MODULES

OPTOGA



LCE LED & COMPONENTS EXPERT

LED SOLUTIONS FOR MANUFACTURERS

AC LED

ON/OFF – DIMMABLE



CLARA AC IP65/IP67 Improved dimming

Power (W)	4W / 6W / 10W
Voltage (V)	120V
CCT (K)	2200/2700/3000/4000
Luminous flux (lm)	300 - 930 lm
CRI	Ra >90
Beam angle	100°

Available cover: Transparent / Diffused



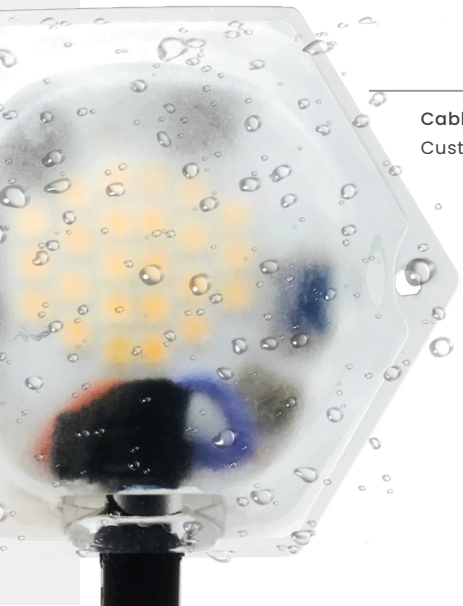
58x51.5mm
Height: 16mm

CLARA AC IP65/IP67 Improved dimming

Power (W)	4W / 6W / 10W / 15W
Voltage (V)	230V
CCT (K)	2200/2700/3000/4000
Luminous flux (lm)	300 - 1320 lm
CRI	Ra >90
Beam angle	100°

Available cover: Transparent / Diffused

DATASHEET



Cable length: 60 cm.
Customisation options available upon request (up to 300 cm).



AC LED RANGE
Direct connection to 230V

They offer on/off operation or phase-cut dimming, without the need for an external driver.

Their compact, flicker-free design enables the development of slimmer, more reliable luminaires that are easy to integrate into a wide range of technical and decorative applications.

AC LED

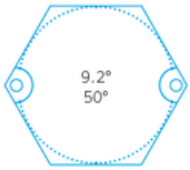
ON/OFF – DIMMABLE

CLARA AC

Power (W)	5W / 10W
Voltage (V)	230V
CCT (K)	2700 / 3000 / 4000
Luminous flux (lm)	400 - 800 lm
CRI	Ra >90
Beam angle	50°

*OP: CLARA AC CSP COVER: Beam angle 50° / 120°.





55 x 48.5mm
Inner Ø: 47.5mm
Height: 16.5mm

DATASHEET

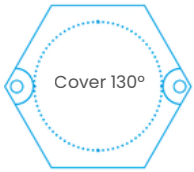
CLARA AC COVER

Improved dimming

Power (W)	2W/4W/6W/8W/10W/15W
Voltage (V)	230V
CCT (K)	2200 / 2700 / 3000 / 4000
Luminous flux (lm)	175 - 1520 lm
CRI	Ra >90
Beam angle	130°

Available cover: Transparent / Diffused





54x47mm
Height: 11mm

DATASHEET



AC LED

ON/OFF – DIMMABLE

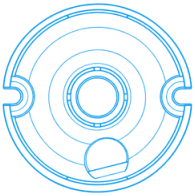


FELICIA 35 AC

Power (W)	2W / 5W
Voltage (V)	230V
CCT (K)	2700 / 3000 / 4000
Luminous flux (lm)	200 - 525 lm
CRI	Ra >90
Beam angle	25°

Optics available separately.
Please enquire about available options.

DATASHEET



Ø35 mm
Height: 11.6 mm
Height with optics: 18.6 mm

FELICIA 35 AC DIM-2-WARM

Power (W)	2W / 5W
Voltage (V)	230V
CCT (K)	2200-3000 / 2700-3000
Luminous flux (lm)	200 - 500 lm
CRI	Ra >90
Beam angle	25°

Optics available separately.
Please enquire about available options.

DATASHEET

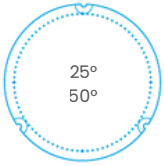


STEFFI-D AC

Power (W)	3W / 5W / 10W
Voltage (V)	230V
CCT (K)	2700 / 3000 / 4000
Luminous flux (lm)	300 - 925 lm
CRI	Ra >90
Beam angle	25° / 50°

DATASHEET





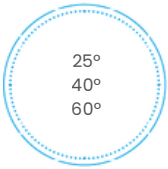
Ø 45mm
Central Ø: 38mm
Height: 13mm

CRYSTAL AC

Power (W)	5W / 10W
Voltage (V)	230V
CCT (K)	2700 / 3000 / 4000
Luminous flux (lm)	500 - 950 lm
CRI	Ra >90
Beam angle	25° / 40° / 60°

DATASHEET





Ø 51mm
Central Ø: 46mm
Height: 24mm





AC LED

ON/OFF – DIMMABLE



THEO AC L28W4 Gen3

Power (W)	10W / 15W / 20W
Voltage (V)	230V
CCT (K)	2200 / 2700 / 3000 / 4000
Luminous flux (lm)	840 - 2360 lm
CRI	Ra >90
Beam angle	120°

DATASHEET

THEO AC L56W4 Gen3

Power (W)	15W / 20W
Voltage (V)	230V
CCT (K)	2200 / 2700 / 3000 / 4000
Luminous flux (lm)	1200 - 2360 lm
CRI	Ra >90
Beam angle	120°

DATASHEET





LILLY 60 AC

Power (W)	4W / 6W / 10W
Voltage (V)	120V / 230V
CCT (K)	2200 / 2700 / 3000 / 4000
Luminous flux (lm)	270 - 1130 lm
CRI	Ra >90
Beam angle	130°



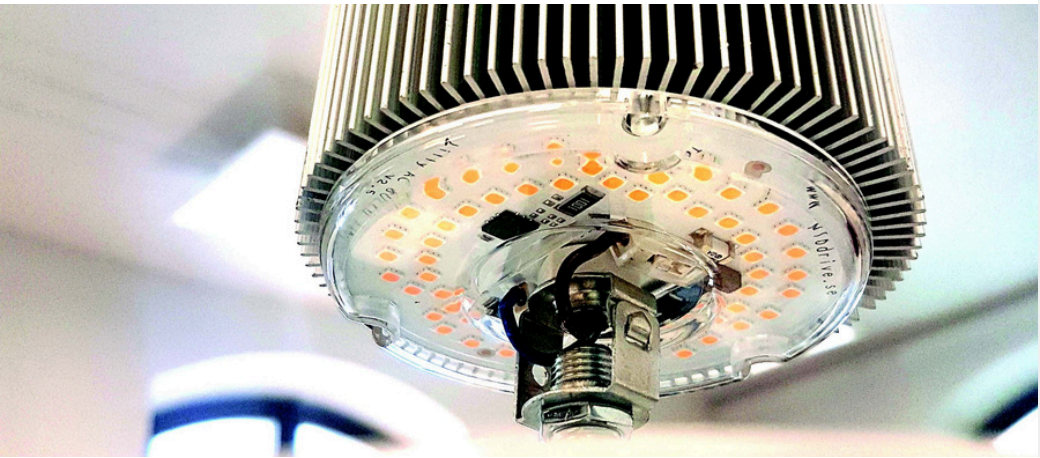
Ø 60mm
Central Ø: 12 mm

Available cover: Transparent / Diffused

DATASHEET







AC LED

SMART WITH IoT

AC LED RANGE
Smart Control and Dimming with DimIn

These modules combine the simplicity of direct connection to 230V with the option of adding smart control via DimIn units.

They operate as standard AC LED modules (on/off and dimmable), and when combined with DimIn, they become a compact and versatile solution for connected lighting projects.





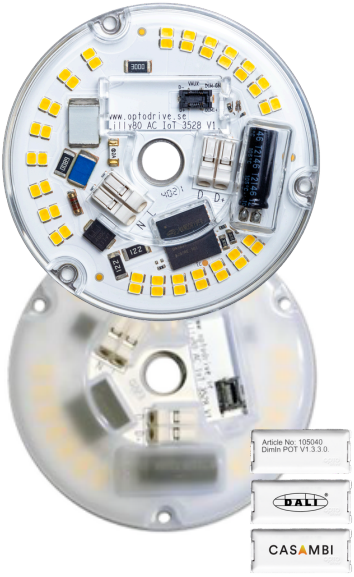
Ø 80mm
Central Ø: 12mm

LILLY 80 AC

Power (W)	10W / 20W
Voltage (V)	230V
CCT (K)	2200 / 2700 / 3000 / 4000
Luminous flux (lm)	800 - 2180 lm
CRI	Ra >90
Beam angle	130°

Available cover: Transparent / Diffused

DATASHEET



LILLY 80 AC DIM-2-WARM

Power (W)	10W / 20W
Voltage (V)	230V
CCT (K)	2200-3000
Luminous flux (lm)	1030 - 1940 lm
CRI	Ra >90
Beam angle	130°

Available cover: Transparent / Diffused

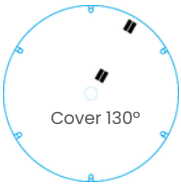
DATASHEET

LILLY 80:
Diffused cover subject to availability and minimum order quantities.
Please contact LCE for details.

SANNA 158 AC IOT

Power (W)	12W / 20W
Voltage (V)	230V
CCT (K)	2200 / 2700 / 3000 / 4000 HCL: 2200-3000 / 2700-3000 2700-4000 K
Luminous flux (lm)	960 - 2180 lm
CRI	Ra >90
Beam angle	130°





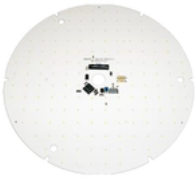
Ø 150.5mm
Central Ø:
12mm

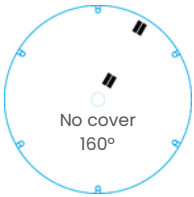
Diffused cover subject to availability and minimum order quantities.

DATASHEET

SANNA 290 AC IOT

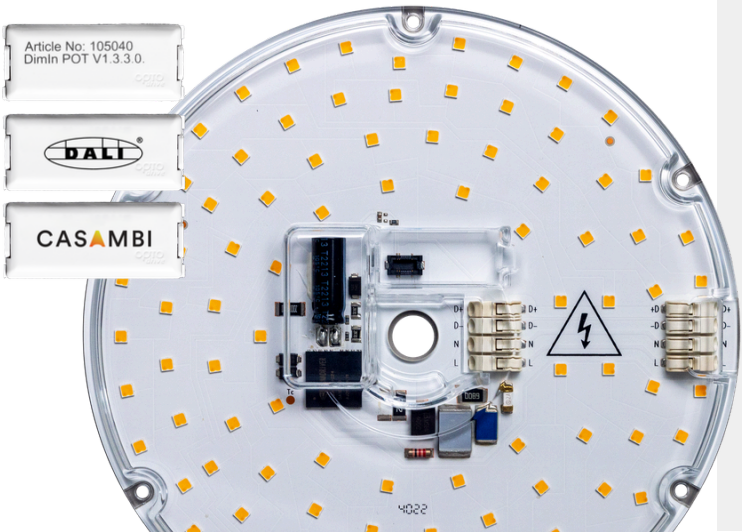
Power (W)	20W
Voltage (V)	230V
CCT (K)	2200 / 2700 / 3000 / 4000
Luminous flux (lm)	1490 - 2180 lm
CRI	Ra >90
Beam angle	160°





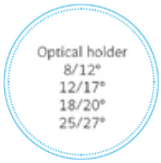
Ø 290 mm
Central Ø:
12mm

DATASHEET



SMART WITH IoT AC LED



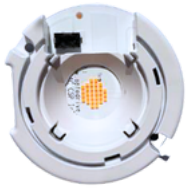


Ø 76mm
Height: 12.5mm

ADA 76 AC OH SYSTEM

Power (W)	10W / 20W
Voltage (V)	230V
CCT (K)	2700 / 3000 / 4000
Luminous flux (lm)	800 - 1550 lm
CRI	Ra >90

DATASHEET



ADA 60 AC

Power (W)	5W / 10W
Voltage (V)	230V
CCT (K)	2700 / 3000 / 4000
Luminous flux (lm)	500 - 950 lm
CRI	Ra >90

DATASHEET



Optics and DimIn units available separately.

LENS SYSTEM FOR ADA60 OH AND FELICIA35

	Beam angle
Lens ADA60 OH 60	57°
Lens ADA60 OH 35	36°
Lens ADA60 OH 30	31°
Lens ADA60 OH 25	28°
Lens Zorya	158°





LENS SYSTEM FOR CLARA OH AND ADA OH

		Beam angle			
		LES 6.8 mm	**LES 9 mm**	**ADA**	**Clara D2W**
Lens OH 60	(marked 60D)	-	62°	64°	64°
Lens OH 35/40	(marked 40)	40°	40°	40°	40°
Lens OH 25/28	(marked 38D)	25°	27°	25°	22°
Lens OH 18/20	(marked 24D)	18°	20°	22°	21°
Lens OH 12/17	(un-marked)	12°	17°	16°	16°
Lens OH 7/12	(marked 12D)	8°	11°	12°	10°





Lenses are supplied separately from the LED modules.



ID LED

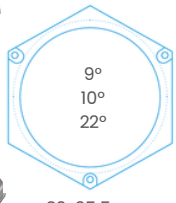
ID LED RANGE
LED Modules with Integrated Driver

Designed for luminaires in demanding environments such as hospitals, ships and trains, these LED modules feature an integrated driver and operate on DC power, providing precise, high-performance lighting.

Their compact design and integrated driver make installation in technical spaces easier, ensuring efficiency and reliability.
With a high colour rendering index (Ra >93), uniform light and excellent shadow control, they ensure visibility and precision.

INTEGRATED DRIVER





83x95.5mm
Height:
19mm

SVEA ID

Power (W)	7W / 10W / 12W / 15W / 17W
Voltage (V)	30-36VDC / 24-36 VDC
CCT (K)	4300 / 3000-4500
Luminous flux (lm)	700 - 1400 lm
CRI	Ra >95
Beam angle	9° / 10° / 22°

DATASHEET



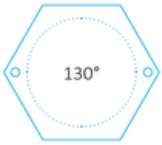


FELICIA ID

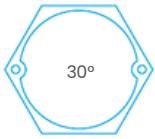
Power (W)	1.6W / 3.4W
Voltage (V)	12-36VDC
CCT (K)	2700 / 3000 / 4000
Luminous flux (lm)	80 - 180 lm
CRI	Ra >90
Beam angle	30° / 130°

DATASHEET





38 x 33.5mm
Height: 10mm



37 x 33mm
Height: 21mm

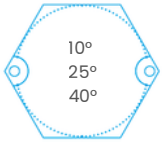
CLARA ID

Power (W)	4W / 8W / 12W
Voltage (V)	12-36VDC / 24-36VDC
CCT (K)	2700 / 3000 / 4000
Luminous flux (lm)	240 - 900 lm
CRI	Ra >90 / >95
Beam angle	9.2° / 9.7° / 12° / 25° / 40°

DATASHEET







55 x 48.5mm
Inner Ø: 47.5mm
Height: 16.5mm

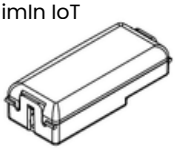


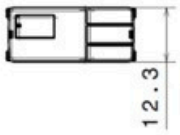


DIMIN ACCESSORIES

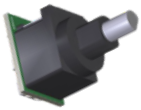


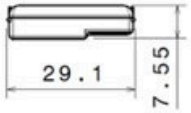
DimIn IoT





DimIn Potentiometer

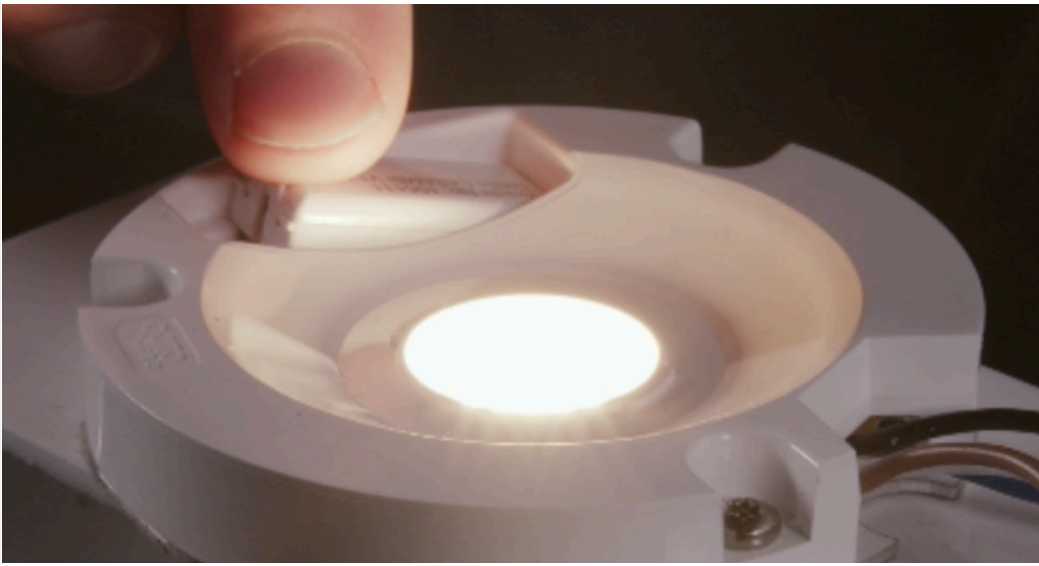




DimIn

DimIn DALI IoT2	DALI-2 lighting control
DimIn DALI IoT2 Memory	DALI-2 control with luminaire data, estimated energy consumption and diagnostics
DimIn DALI-2 DT8	DALI-2 DT8 control for TW and HCL
DimIn Casambi IoT2	Casambi wireless control with internal antenna
DimIn Casambi IoT2 External Ant.	Casambi control with external antenna
DimIn POT	Dimming via potentiometer
DimIn Switch	Dimming via momentary push button
DimIn Potentiometer	Potentiometer compatible with DimIn POT

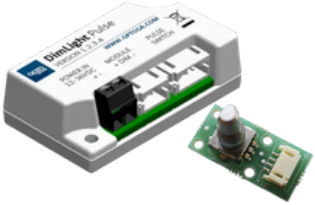
DATASHEET



DimLight

DimLight 12–36VDC Switch	Control via switches (ID)
DimLight 12–36VDC Pulse	For use with rotary encoder (ID)
DimLight CCT	Colour temperature control. For use with SVEA ID CCT
DimLight Flexswitch	For membrane switches. For use in medical environments





WIRES

Wire AC	100 mm / 220 mm / 450 mm (standard) / 600 mm
Wire AC 2-pol	220 mm / 600 mm (for Steffi-D)
Wire AC 4-pol	100 mm (SVEA 2 channel) / 220 mm (CLARA UPS and DALI)
Wire AC 3-pol (Black)	220 mm (for CLARA 2-channels and night light)

Wire ID	125 mm / 325 mm (standard) / 770 mm / 1000 mm
Wire ID (2-wire)	110 mm / 325 mm / 1000 mm (not suitable for dimming)
Wire ID CCT Medical	400 mm (5 wires)
Wire ID Medical	150 mm (for DimLight Switch)





CONTACT US

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