

# Elevated LED light

## Type EL630D ZHR

This microprocessor-controlled, bidirectional and elevated light was developed for demanding use along the runway. It is used as an approach or runway edge light. The requirements according to EASA CS-ADR-DSN Issue 6 (released March 29, 2022) are fulfilled. It is suitable for category I to III runway systems.

The EL630D is controlled by constant input voltage with PowerLineControl PLC.

Lights with PLC are controlled and monitored via the lighting bus system BBS. The light intensity is programmed according to the specifications, and operating data from the light is continuously transmitted to the BBS.



### Technical data

<b>Casing</b>	Aluminium casting, powder coated RAL 1028	
<b>Protection</b>	IP 68	
<b>Weight</b>	8.8 kg (without base plate)	
<b>Source of light</b>	LED	
<b>Temperature</b>	-25°C to +70°C	
<b>Fixation</b>	clamped	
<b>Tension</b>	48V AC max.	
<b>Power Pmax.</b>	APH w/w	102W
	ASR red	41W
	REL r/y, y/r	46W
	REL y/w, w/y	72W
	REL w/w	90W
	RWE r	20W
	THR/RWE g/r	78W
<b>Light intensity (main beam)</b>	APH white	40'000 cd
	ASR red	12'500 cd
	REL yellow	10'000 cd
	REL red	4'000 cd
	REL white	25'000 cd
	RWE red	6'500 cd
	THR green	21'000 cd

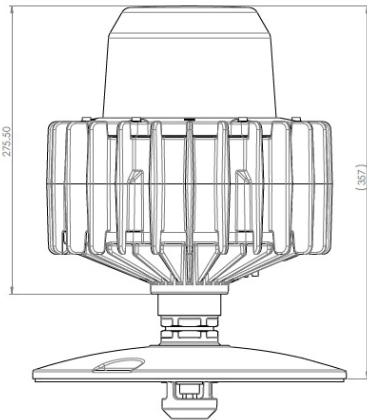
### Execution and Accessory

<b>Cable length</b>	max. 250 m (for PLC)
<b>Accessory</b>	tube support with pre-determined breaking point, base plate, cable bracket, alignment tool, assembly aids for maintenance

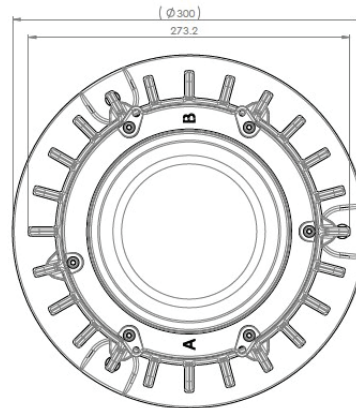
### Order Information

<b>Order number</b>	EL630D/mt-aaa/ZHR-c1/c2-d1/d2-P-C	
<b>Main beam (m)</b>	1	unidirectional
	2	bidirectional
<b>Toplight (t)</b>	0	none
	1	unidirectional
	2	bidirectional
<b>Function (aaa)</b>	APH approach center line and crossbars	
	ASR approach side row	
	REL runway edge	
	RWE runway end	
	THR threshold	
<b>Color code (c1/c2) - (Main beam A/B)</b>	g	green
	r	red
	w	white
	y	yellow
<b>Color code (d1/d2) - (Toplight A/B)</b>	g	green
	r	red
	w	white
	y	yellow
<b>Type</b>	P	parallel system
<b>Controls</b>	C	by PLC (BBS required)

Side view



Top view



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# Elevated LED light

## Type EL630D ARMA

This microprocessor-controlled, bidirectional and elevated light was developed for demanding use along the runway. It is used as an approach or runway edge light. The requirements according to EASA CS-ADR-DSN Issue 6 (released March 29, 2022) are fulfilled. It is suitable for category I to III runway systems.

Thanks to the programmable power supply unit, the brightness levels can be adapted very flexibly to the customer's needs depending on the input voltage.



### Technical data

<b>Casing</b>	Aluminium casting, powder coated RAL 1028	
<b>Protection</b>	IP 68	
<b>Weight</b>	8.8 kg (without base plate)	
<b>Source of light</b>	LED	
<b>Temperature</b>	-25°C to +70°C	
<b>Fixation</b>	clamped	
<b>Tension</b>	parallel circuit 12 - 48V AC max.	
<b>Brightness levels</b>	1%, 3%, 10%, 30%, 100%	
<b>Power Pmax.</b>	APH w/w	51W
	ASR red	20.5W
	REL r/y, y/r	23W
	REL y/w, w/y	36W
	REL w/w	45W
	RWE r	10W
	THR g	39W
<b>Light intensity (main beam)</b>	APH white	20'000 cd
	ASR red	6'250 cd
	REL yellow	5'000 cd
	REL red	2'000 cd
	REL white	12'500 cd
	RWE red	3'250 cd
	THR green	10'500 cd

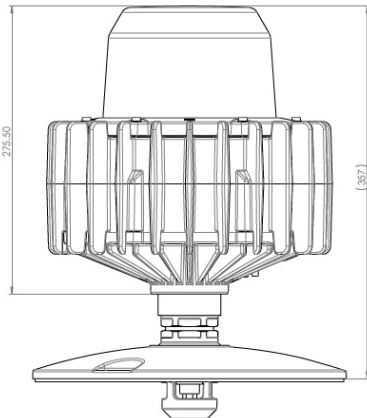
### Execution and Accessory

<b>Accessory</b>	Tube support with pre-determined breaking point, base plate, cable bracket, transformer, alignment tool, assembly aids for maintenance
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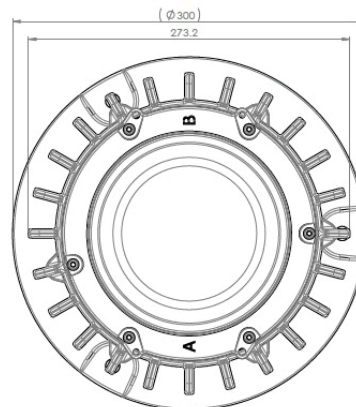
### Order Information

<b>Order number</b>	EL630D/mt-aaa/ARMA-c1/c2-d1/d2-P-0	
<b>Main beam (m)</b>	1	unidirectional
	2	bidirectional
<b>Toplight (t)</b>	0	none
	1	unidirectional
	2	bidirectional
<b>Function (aaa)</b>	APH approach center line and crossbars	
	ASR approach side row	
	REL runway edge	
	RWE runway end	
	THR threshold	
<b>Color code (c1/c2) - (Main beam A/B)</b>	g	green
	r	red
	w	white
	y	yellow
<b>Color code (d1/d2) - (Toplight A/B)</b>	g	green
	i	Infrared
	r	red
	w	white
	y	yellow
<b>Type</b>	P	parallel system
<b>Controls</b>	0	voltage controlled

Side view



Top view



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