



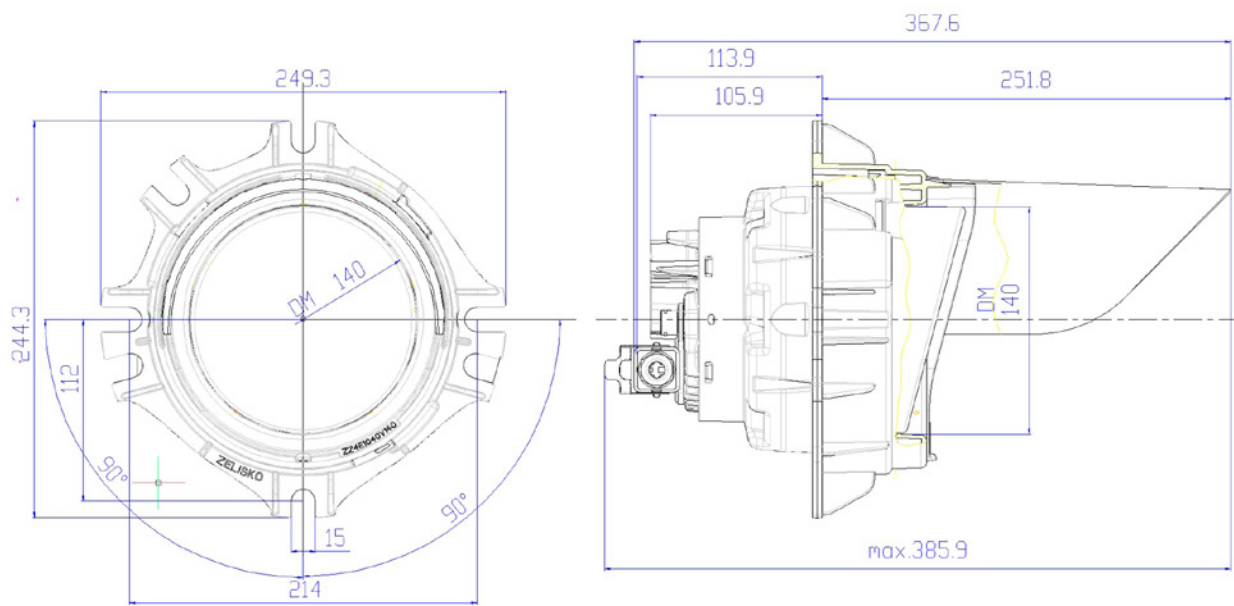
# LED SIGNAL COMPACT 140



**ZELISKO**

# Zelisko LED Signal combines high visibility with low life-cycle costs

The new Compact Line offers the symbiosis between minimal dimensions and future orientated components.



## Features:

- safety level SIL4 acc. CENELEC EN 50129
- high power LED
- no preventive maintenance
- high availability
- high efficiency
- AC & DC variants
- Current / Voltage monitoring of LED
- safe shut down in fault case
- compatible to a lot of interlocking types
- only 2 electronic PCB (PCU + LED)
- One PCU variant specific for one interlocking type
- LED module: one size and colour for all IXL types
- significant simplification in logistics
- best optical performance + smallest dimensions
- Protection class IP65
- Front part adaptable to different mounting methods
- Connection via plug or cable gland
- easier mounting and adjustment on the mast
- weight: actual type: 3kg, Compact: 1,95 kg !
- 100 % recyclable

# COMPACT 3D Views

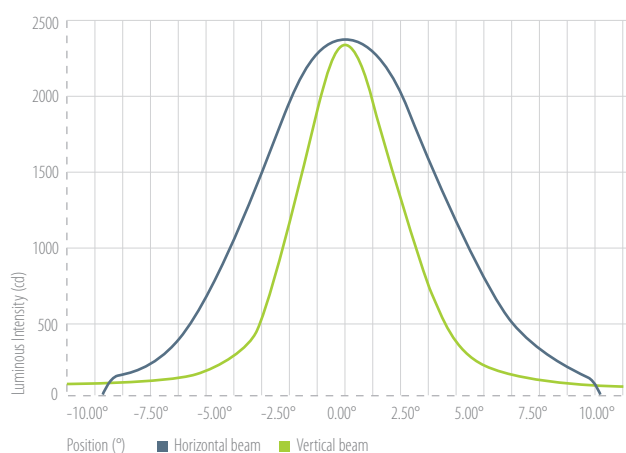


Technical data Compact 140 mm, other variants are in progress.

Luminous intensity			red / amber / green / white		blue		purple	
			min.	max.	min.	max.	min.	max.
Luminous intensity 210 mm signal	typ. [cd]	day	1000	3000	1000	3000		
		night	350	1000	350	1500		
Luminous intensity 160 mm signal	typ. [cd]	day	1000	3000	1000	3000	700	2100
		night	350	1500	350	1500	250	700
Luminous intensity 100 mm signal	typ. [cd]	day	600	1800	600	1800		
		night	200	600	200	600		

Electrical parameters for 12 V AC/20 W standard version		Value			Unit
		min.	typ.	max.	
Voltage daytime operation	$U_{day}$	10.8	12	13.2	$V_{AC rms}$
Current daytime operation	$I_{day}$	1.1		1.9	$A_{AC rms}$
El. power daytime operation	$P_{day}$		20		$W_{eff.}$
Voltage nighttime operation	$U_{night}$	7.2	8	9.0	$V_{AC rms}$
Current nighttime operation	$I_{night}$	0.9		1.4	$A_{AC rms}$
Frequency	$f$	47	50	53	Hz
Switch-off current	$I_{off}$			850	$mA_{AC rms}$
Switch-on	$U_{on}$	-	7	7.2	$V_{AC rms}$
Switch-on delay	$t_{on}$	-	90	150	ms
Undervoltage switch-off	$U_{off}$	5		6.9	$V_{AC rms}$
Flashing frequency (50/50)	$f_{blink}$	-	1	1.5	Hz

## Light distribution



Errors and technical modifications are excepted.



# LED Technology from Zelisko all over the World !



## Developed in Austria – Delivered worldwide!

After years of gaining experience with the delivery of LED signals in Austria, Zelisko started to look beyond the borders and is extending the market by participating in international projects. This page shows the most important references for Zelisko's LED signal technology. Beside safety level class SIL 4, best optical performance and compatibility with the most commonly used interlocking types are the key for success.

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