



KombiSIGN signal tower with bracket (accessory)



Base with tube (accessory)

- Signal tower system 70 mm Ø with modular construction

- Improved illumination

### TECHNICAL SPECIFICATIONS:

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Dimensions</b> (Ø x Height): | 70 mm x 65.5 mm                    |
| <b>Lens:</b>                    | PC, transparent                    |
| <b>Socket:</b>                  | Bayonet, BA15d, for bulbs max. 5 W |
| <b>Element seal:</b>            | Pre-mounted with each module       |
| <b>Protection rating:</b>       | IP 65                              |

|                                |                                                                 |
|--------------------------------|-----------------------------------------------------------------|
| <b>Permanent light element</b> | 12-240 V AC/DC                                                  |
| Life duration:                 | Bulb not included in assembly.<br>Dependent upon the bulbs used |

|                                    |            |          |          |
|------------------------------------|------------|----------|----------|
| <b>LED Permanent light element</b> | 24 V AC/DC | 115 V AC | 230 V AC |
| Current consumption:               | < 30 mA    | < 20 mA  | < 20 mA  |
| Life duration:                     | 50,000 hrs |          |          |

|                                                |                  |
|------------------------------------------------|------------------|
| <b>LED Permanent light element ultrabright</b> | 24 V DC          |
| Current consumption:                           | Max. 195 mA      |
| Life duration:                                 | Up to 50,000 hrs |
| Technical specifications see page 35.          |                  |

|                                       |                             |          |          |
|---------------------------------------|-----------------------------|----------|----------|
| <b>Flashing light element (Xenon)</b> | 24 V DC                     | 115 V AC | 230 V AC |
| Current consumption:                  | 125 mA                      | 22 mA    | 15 mA    |
| Life duration:                        | 4 x 10 <sup>6</sup> flashes |          |          |
| Reduced for AS-Interface:             | 80 mA                       |          |          |
| Flash frequency:                      | C. 1 Hz                     |          |          |

|                                   |                        |
|-----------------------------------|------------------------|
| <b>LED Flashing light element</b> | 24 V DC                |
| Current consumption:              | < 35 mA                |
| Life duration:                    | 50,000 hrs             |
| Flash frequency:                  | C. 1 Hz (Double Flash) |

|                         |                                               |
|-------------------------|-----------------------------------------------|
| <b>LED EVS* element</b> | 24 V AC/DC                                    |
| Current consumption:    | 350 mA (red/yellow) 250 mA (green/clear/blue) |
| Life duration:          | 50,000 hrs                                    |

\* EVS = Enhanced Visibility System

Technical specifications see page 36.

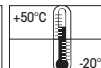
|                                   |            |          |          |
|-----------------------------------|------------|----------|----------|
| <b>LED Blinking light element</b> | 24 V AC/DC | 115 V AC | 230 V AC |
| Current consumption:              | 25 mA      | 25 mA    | 25 mA    |
| Life duration:                    | 50,000 hrs |          |          |
| Blink frequency:                  | C. 1 Hz    |          |          |

|                                   |               |
|-----------------------------------|---------------|
| <b>LED Rotating light element</b> | 24 V AC/DC    |
| Current consumption:              | 40 mA         |
| Life duration:                    | 50,000 hrs    |
| Rotation frequency:               | C. 120 r.p.m. |

|                                                |                                                    |
|------------------------------------------------|----------------------------------------------------|
| <b>LED Permanent light element multicolour</b> | 24 V DC                                            |
| Life duration:                                 | 50,000 h                                           |
| Current consumption:                           | < 120 mA                                           |
| Possible colours:                              | Red, yellow, green, white, blue, violet, turquoise |
| Technical specifications see page 37.          |                                                    |

643 X10 55  
Class 2

See note  
on page 347



24 V





641/644

## Optical Signal Elements KombiS/GN 71



(LED) Permanent/Flashing element

Permanent light element,  
clear with infoPatent  
approved

LED EVS element

Life duration  
up to 50,000 hrs

LED element



LED element (multicolour)



## ORDER SPECIFICATIONS OPTICAL ELEMENTS:

|                                                         |                |
|---------------------------------------------------------|----------------|
| <b>Permanent light element</b>                          | 12-240 V AC/DC |
| red                                                     | 641 100 00     |
| green                                                   | 641 200 00     |
| yellow                                                  | 641 300 00     |
| clear                                                   | 641 400 00     |
| blue                                                    | 641 500 00     |
| Bulb not included in assembly. Accessories see page 67. |                |

|                                    |            |            |            |
|------------------------------------|------------|------------|------------|
| <b>LED Permanent light element</b> | 24 V AC/DC | 115 V AC   | 230 V AC   |
| red                                | 644 100 75 | 644 100 67 | 644 100 68 |
| green                              | 644 200 75 | 644 200 67 | 644 200 68 |
| yellow                             | 644 300 75 | 644 300 67 | 644 300 68 |
| clear                              | 644 400 75 | 644 400 67 | 644 400 68 |
| blue                               | 644 500 75 | 644 500 67 | 644 500 68 |

|                                                |            |
|------------------------------------------------|------------|
| <b>LED Permanent light element ultrabright</b> | 24 V DC    |
| red                                            | 644 180 55 |
| green                                          | 644 280 55 |
| yellow                                         | 644 380 55 |
| clear                                          | 644 480 55 |
| blue                                           | 644 580 55 |

|                               |               |            |            |            |
|-------------------------------|---------------|------------|------------|------------|
| <b>Flashing light (Xenon)</b> | 24 V DC (ASI) | 24 V DC    | 115 V AC   | 230 V AC   |
| red                           | 643 110 55    | 643 100 55 | 643 100 67 | 643 100 68 |
| green                         | 643 210 55    | 643 200 55 | 643 200 67 | 643 200 68 |
| yellow                        | 643 310 55    | 643 300 55 | 643 300 67 | 643 300 68 |
| clear                         | 643 410 55    | 643 400 55 | 643 400 67 | 643 400 68 |
| blue                          | 643 510 55    | 643 500 55 | 643 500 67 | 643 500 68 |

Compare the prices  
and advantages of  
an LED Flashing light

|                                   |            |
|-----------------------------------|------------|
| <b>LED Flashing light element</b> | 24 V DC    |
| red                               | 644 120 55 |
| green                             | 644 220 55 |
| yellow                            | 644 320 55 |
| clear                             | 644 420 55 |
| blue                              | 644 520 55 |

|                        |            |
|------------------------|------------|
| <b>LED EVS element</b> | 24 V DC    |
| red                    | 644 140 55 |
| green                  | 644 240 55 |
| yellow                 | 644 340 55 |
| clear                  | 644 440 55 |
| blue                   | 644 540 55 |

|                                   |            |            |            |
|-----------------------------------|------------|------------|------------|
| <b>LED Blinking light element</b> | 24 V AC/DC | 115 V AC   | 230 V AC   |
| red                               | 644 110 75 | 644 110 67 | 644 110 68 |
| green                             | 644 210 75 | 644 210 67 | 644 210 68 |
| yellow                            | 644 310 75 | 644 310 67 | 644 310 68 |
| clear                             | 644 410 75 | 644 410 67 | 644 410 68 |
| blue                              | 644 510 75 | 644 510 67 | 644 510 68 |

|                                   |            |
|-----------------------------------|------------|
| <b>LED Rotating light element</b> | 24 V AC/DC |
| red                               | 644 130 75 |
| green                             | 644 230 75 |
| yellow                            | 644 330 75 |
| clear                             | 644 430 75 |
| blue                              | 644 530 75 |

|                                                |            |
|------------------------------------------------|------------|
| <b>LED Permanent light element multicolour</b> | 24 V DC    |
| multicolour                                    | 644 450 55 |

Further voltages on request.



TECHNICAL DIAGRAMS: see page 309