

TRAFFIC LIGHTS

- ▲ Construction based on norm EN 12368, which is certified
- ▲ High aesthetics of realization
- ▲ Modern technology LED
- ▲ Low power consumption
- ▲ Perfect visibility
- ▲ Very good tightness
- ▲ Two-point mounting

SLIM everywhere where modern design is appreciated



- ▲ High vibrations and impacts resistance
- ▲ The temperature fluctuation resistance
- ▲ Lightweight construction
- ▲ Very easy installation
- ▲ Very easy access inside the chamber
- ▲ Many different versions (1x200mm, 2x200mm, 3x200mm; 1x300mm, 2x300mm, 3x300mm)
- ▲ Possibility of placement pictograms or symbols on front lens

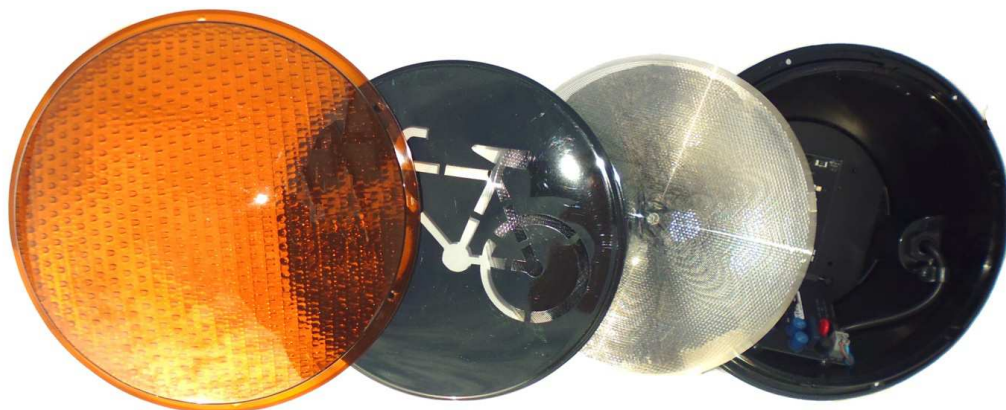
TRAFFIC STANDARD as a classical solution

| OPTICAL DETAILS | |
|-------------------------|--|
| Luminous intensity | Min 400cd acc. to EN12368 |
| Optical performance | N, M A3/1; W B3/2 acc. to EN12368 |
| Colour | Red 613.5 - 631 nm, Amber 585 - 597 nm, Green 498.5-508 nm, White 5000 – 7000 K, acc. to EN12368 |
| Uniformity of Luminance | Min. 1:10, acc. to EN12368 |
| Phantom light class | Class 5 colour lens acc. to EN12368 |
| LED Type | 6 item High Flux LED, OSRAM SIGNAL |



| MECHANICAL DETAILS | |
|-----------------------|--|
| Operating temperature | Class A, B, C acc. to EN12368 (-40 do +60) |
| Protection Class | Safety Class II acc. to EN 60598 |
| Impact resistance | Class IR3 (IR2 for ZIRslim) acc. to. EN 60598-1 |
| Tightness | IP 55 acc. to EN 60598 |
| Material of housing | UV-stabilized polycarbonate LEXAN |
| Colour | Black RAL9005 |
| Hoods | Black, UV-stabilized polycarbonate LEXAN fixed with clips locks |
| Console (grip) | Black, UV-stabilized polycarbonate LEXAN Fixed with screw propeller M8x70 |

| ELECTRICAL DETAILS | | | |
|--------------------------------|---|---|---|
| Operating voltage nominal | 12 VDC | 40/42/48 VAC | 230 VAC |
| Operating voltage Dimming mode | +5 or +12V signal (light output is reduced if the 3-th wire signal is coming) | 22 V – 34 V (light output is reduced if the input voltage is decreased) | 150 V – 170 V (light output is reduced if the input voltage is decreased) |
| Frequency | N/A | 50 Hz | 50 Hz |
| Shutdown Function | Integrated and Automatic less than 10V | Integrated and Automatic less than 20V | Integrated and Automatic less than 110V |
| Power consumption (full) | 250-350mA / 4,2 W | 240 mA / 8,5 W | 38 mA / 8,5 W |
| Power consumption (dim) | 100-130mA / 1,5 W | 180 mA / 5,5 W | 30mA / 5,5 W |
| EMC | acc. EN 50293 | acc. EN 50293 | acc. EN 50293 |
| Cable LED module | 3x0,5mm ² ; 90cm or 120cm | 2x0,75mm ² ; 90cm or 120cm | 2x0,75mm ² ; 90cm or 120cm |



| MECHANICAL DETAILS - LED MODULE | |
|---------------------------------|---|
| Operating temperature | Class A, B, C ad. EN12368 (-40 do +60) |
| Protection Class | Class II acc. to EN 60598 |
| Impact resistance | Class IR3 acc. to EN 60598-1 |
| Tightness | IP 65 acc. to EN 60598 |
| Material of front lens | Colourless, UV-stabilized polycarbonate LEXAN |
| Material of Fresnel lens | Colourless PMMA |
| Material of housing | Black, UV-stabilized polycarbonate LEXAN |
| Weight | Ø 210 <0.8 kg; Ø 300 <1.1 kg; |
| Dimensions | Ø 210 x 114 mm; Ø 298 x 156 mm |

TRAFFIC LIGHT PART NUMBERS

12 VDC, TRAFFIC STANDARD

| Type | Blackened front lens | Colored front lens | Clear front lens |
|-------------|----------------------|--------------------|------------------|
| 1x200 R | 1436307 | 1436107 | 1436207 |
| 1x200 Y | 1436305 | 1436105 | 1436205 |
| 1x200 G | 1436304 | 1436104 | 1436204 |
| 2x200 R/G | 1436303 | 1436103 | 1436203 |
| 3x200 R/Y/G | 1436302 | 1436102 | 1436202 |
| 1x300 Y | 1436306 | 1436106 | 1436206 |
| 2x300 R/Y | 1436308 | 1436108 | 1436208 |
| 2x300 R/G | 1436309 | 1436109 | 1436209 |
| 3x300 R/Y/G | 1436301 | 1436101 | 1436201 |

12 VDC, ZIRslim

| Type | Type | Type | Type |
|-------------|-------------|-------------|-------------|
| 1x200 R | 1x200 R | 1x200 R | 1x200 R |
| 1x200 Y | 1x200 Y | 1x200 Y | 1x200 Y |
| 1x200 G | 1x200 G | 1x200 G | 1x200 G |
| 2x200 R/G | 2x200 R/G | 2x200 R/G | 2x200 R/G |
| 3x200 R/Y/G | 3x200 R/Y/G | 3x200 R/Y/G | 3x200 R/Y/G |
| 1x300 Y | 1x300 Y | 1x300 Y | 1x300 Y |
| 2x300 R/Y | 2x300 R/Y | 2x300 R/Y | 2x300 R/Y |
| 2x300 R/G | 2x300 R/G | 2x300 R/G | 2x300 R/G |
| 3x300 R/Y/G | 3x300 R/Y/G | 3x300 R/Y/G | 3x300 R/Y/G |

40/42/48 VAC, TRAFFIC STANDARD

| Type | Blackened front lens | Colored front lens | Clear front lens |
|-------------|----------------------|--------------------|------------------|
| 1x200 R | 1437307 | 1437107 | 1437207 |
| 1x200 Y | 1437305 | 1437105 | 1437205 |
| 1x200 G | 1437304 | 1437104 | 1437204 |
| 2x200 R/G | 1437303 | 1437103 | 1437203 |
| 3x200 R/Y/G | 1437302 | 1437102 | 1437202 |
| 1x300 Y | 1437306 | 1437106 | 1437206 |
| 2x300 R/Y | 1437308 | 1437108 | 1437208 |
| 2x300 R/G | 1437309 | 1437109 | 1437209 |
| 3x300 R/Y/G | 1437301 | 1437101 | 1437201 |

| 40/42/48 VAC, ZIRslim | | | |
|----------------------------------|-----------------------------|---------------------------|-------------------------|
| Type | Blackened front lens | Colored front lens | Clear front lens |
| 1x200 R | 1437707 | 1437507 | 1437607 |
| 1x200 Y | 1437705 | 1437505 | 1437605 |
| 1x200 G | 1437704 | 1437504 | 1437604 |
| 2x200 R/G | 1437703 | 1437503 | 1437603 |
| 3x200 R/Y/G | 1437702 | 1437502 | 1437602 |
| 1x300 Y | 1437706 | 1437506 | 1437606 |
| 2x300 R/Y | 1437708 | 1437508 | 1437608 |
| 2x300 R/G | 1437709 | 1437509 | 1437609 |
| 3x300 R/Y/G | 1437701 | 1437501 | 1437601 |
| 230 VAC, TRAFFIC STANDARD | | | |
| Type | Blackened front lens | Colored front lens | Clear front lens |
| 1x200 R | 1434307 | 1434107 | 1434207 |
| 1x200 Y | 1434305 | 1434105 | 1434205 |
| 1x200 G | 1434304 | 1434104 | 1434204 |
| 2x200 R/G | 1434303 | 1434103 | 1434203 |
| 3x200 R/Y/G | 1434302 | 1434102 | 1434202 |
| 1x300 Y | 1434306 | 1434106 | 1434206 |
| 2x300 R/Y | 1434308 | 1434108 | 1434208 |
| 2x300 R/G | 1434309 | 1434109 | 1434209 |
| 3x300 R/Y/G | 1434301 | 1434101 | 1434201 |
| 230 VAC, ZIRslim | | | |
| Type | Blackened front lens | Colored front lens | Clear front lens |
| 1x200 R | 1434707 | 1434507 | 1434607 |
| 1x200 Y | 1434705 | 1434505 | 1434605 |
| 1x200 G | 1434704 | 1434504 | 1434604 |
| 2x200 R/G | 1434703 | 1434503 | 1434603 |
| 3x200 R/Y/G | 1434702 | 1434502 | 1434602 |
| 1x300 Y | 1434706 | 1434506 | 1434606 |
| 2x300 R/Y | 1434708 | 1434508 | 1434608 |
| 2x300 R/G | 1434709 | 1434509 | 1434609 |
| 3x300 R/Y/G | 1434701 | 1434501 | 1434601 |

LED MODULE 200mm PART NUMBERS**12 VDC**

| Signal color | Blackened front lens | Colored front lens | Clear front lens |
|---------------------|-----------------------------|---------------------------|-------------------------|
| RED | 1436001 | 1436004 | 1436015 |
| AMBER | 1436002 | 1436005 | 1436016 |
| GREEN (CYAN) | 1436003 | 1436006 | 1436017 |
| WHITE | 1436010 | N/A | 1436018 |

40/42/48 VAC

| Signal color | Blackened front lens | Colored front lens | Clear front lens |
|---------------------|-----------------------------|---------------------------|-------------------------|
| RED | 1441008 | 1437009 | 1437003 |
| AMBER | 1441009 | 1437010 | 1437004 |
| GREEN (CYAN) | 1441010 | 1437011 | 1437005 |
| WHITE | 1441001 | N/A | 1437001 |

230 VAC

| Signal color | Blackened front lens | Colored front lens | Clear front lens |
|---------------------|-----------------------------|---------------------------|-------------------------|
| RED | 1440008 | 1434009 | 1434003 |
| AMBER | 1440009 | 1434010 | 1434004 |
| GREEN (CYAN) | 1440010 | 1434011 | 1434005 |
| WHITE | 1440001 | N/A | 1434001 |

LED MODULE 300mm PART NUMBERS**12 VDC**

| Signal color | Blackened front lens | Colored front lens | Clear front lens |
|---------------------|-----------------------------|---------------------------|-------------------------|
| RED | 1436011 | 1436007 | 1436019 |
| AMBER | 1436012 | 1436008 | 1436020 |
| GREEN (CYAN) | 1436013 | 1436009 | 1436021 |
| WHITE | 1436014 | N/A | 1436022 |

40/42/48 VAC

| Signal color | Blackened front lens | Colored front lens | Clear front lens |
|---------------------|-----------------------------|---------------------------|-------------------------|
| RED | 1441012 | 1437012 | 1437006 |
| AMBER | 1441013 | 1437013 | 1437007 |
| GREEN (CYAN) | 1441014 | 1437014 | 1437008 |
| WHITE | 1441002 | N/A | 1437002 |

230 VAC

| Signal color | Blackened front lens | Colored front lens | Clear front lens |
|---------------------|-----------------------------|---------------------------|-------------------------|
| RED | 1440012 | 1434012 | 1434006 |
| AMBER | 1440013 | 1434013 | 1434007 |
| GREEN (CYAN) | 1440014 | 1434014 | 1434008 |
| WHITE | 1440002 | N/A | 1434002 |

| HOUSING PART NUMBERS | | | |
|------------------------------------|--------------|--------------|--------------|
| TRAFFIC LIGHT 200 mm | | | |
| Type | 1x200 | 2x200 | 3x200 |
| TRAFFIC STANDARD | 1400008 | 1400001 | 1400009 |
| ZIRslim black | 1400101 | 1400102 | 1400103 |
| ZIRslim green | 1400111 | 1400112 | 1400113 |
| TRAFFIC LIGHT 300 mm | | | |
| Type | 1x300 | 2x300 | 3x300 |
| TRAFFIC STANDARD | 1400007 | 1400010 | 1400002 |
| ZIRslim black | 1400104 | 1400105 | 1400106 |
| ZIRslim green | 1400114 | 1400115 | 1400116 |
| Components | | | |
| Plastic Bracket, black, TS | | | 1411002 |
| Plastic Bracket, black, ZIR | | | 1400301 |
| Plastic Bracket, green, ZIR | | | 1400302 |
| Aluminium Bracket, black, TS | | | 1411014 |
| Screw M8x70, Cl. 8.8, DIN931, zinc | | | 9990002 |
| Screw M8x80, Cl. 8.8, DIN933, zinc | | | 9990001 |
| Nut M8, Cl. 8.8, DIN934, zinc | | | 9980001 |
| Plain washer 8mm, DIN126, zinc | | | 9970001 |

| ELECTRONIC SPARE PARTS PART NUMBERS | |
|--|---------|
| Driver 230 VAC, D1 dimming, 350mA, S0HV, 8W | 1600001 |
| Driver 40/42/48 VAC, D1 dimming, 350mA, S0LV, 8W | 1600017 |
| Driver 12VDC, D1 dimming, 350mA, S1EV, 4W | 1600401 |
| OSRAM LED board Red, 6LED, 400cd | 1600301 |
| OSRAM LED board Yellow, 6LED, 400cd | 1600302 |
| OSRAM LED board Green, 6LED, 400cd | 1600303 |
| LED board White, 6LED, 400cd | 1600304 |
| LED-Driver wire, 4 pin | 1600203 |

| LED MODULE SPARE PARTS PART NUMBERS | |
|---|------------|
| Module housing 200mm, black polycarbonate | 1500004 |
| Front lens Red 200mm, polycarbonate | 1500010 |
| Front lens Yellow 200mm, polycarbonate | 1500011 |
| Front lens Green 200mm, polycarbonate | 1500012 |
| Front lens Blackened 200mm, polycarbonate | 1500022 |
| Front lens Clear 200mm, polycarbonate | 1500005 |
| Fresnel lens 200mm, PMMA | 1500007 |
| Supply wire 90cm, 2x0,5mm ² | 1500017 |
| Module housing 300mm, black polycarbonate | 1500002 |
| Front lens Red 300mm, polycarbonate | 1500013 |
| Front lens Yellow 300mm, polycarbonate | 1500014 |
| Front lens Green 300mm, polycarbonate | 1500015 |
| Front lens Blackened 300mm, polycarbonate | 1500023 |
| Front lens Clear 300mm, polycarbonate | 1500003 |
| Fresnel lens 300mm, PMMA | 1500006 |
| Supply wire 120cm, 2x0,5mm ² | 1500019 |
| Cable Gland, PG7, black | 1500018 |
| Cooler, aluminum, black | 1500016 |
| Rubber 200mm, black gummy | 1500001 |
| Rubber 300mm, black gummy | 1500009 |
| Screw for LED board, 2,9x12mm, metal black | 1500020 |
| Screw for Driver and wire handle, 2,9x12mm, metal black, big head | 1500008 |
| Screw for front lens, M3x6mm, zinc metal | 9991002 |
| Nut for screw M3, zinc metal | 9981001 |
| Wire handle, plastic | 4911002 |
| Symbol masks | on enquiry |

TRAFFIC LIGHTS

ABOUT US:

Spinnea Co. is an independent manufacturer of traffic lights. We are a growing international company providing the range of safety lighting products, services and solutions. We are a young company, with a rich history, extensive knowledge and expertise. Providing fast communication and a clear working method, we are the ideal partner for all your technical issues.

We offer stable and reliable products for the lighting industry and highway service. But we are also open to cooperate with individual customers to meet their individual needs and to find adequate technical solutions, and we have facilities and potential to do so.

- We are open to cooperate with Clients to meet their individual needs and find solutions.
- The main activity of Spinnea Co. is to supply our Customers with innovative products of traffic safety.
- Our purpose is to help our Customers increase safety through high quality and eco-friendly solutions, at the same time ensuring the price competitiveness.

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