

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

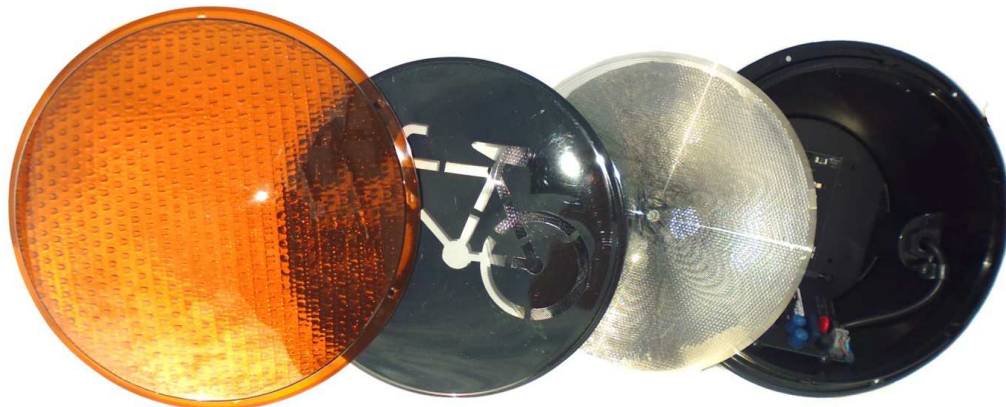
TRAFFIC STANDARD as a classical solution

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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