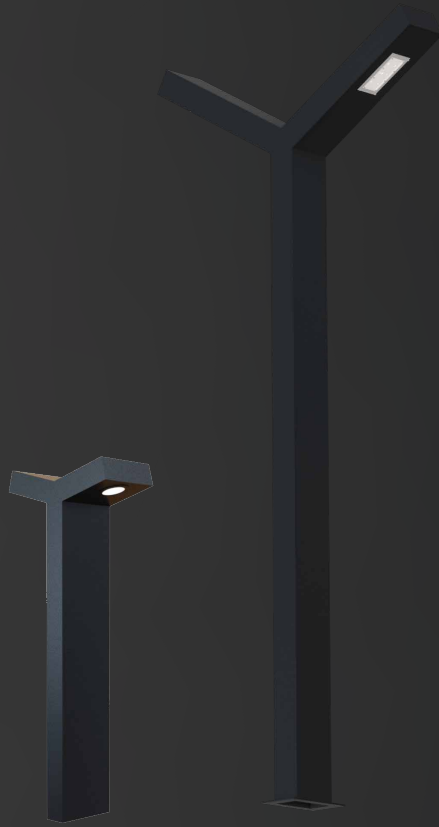




GR21

IP65 Landscape

LED Lighting



HOUSING

Electrostatic powder paint coated extruded aluminum housing
IP66 Protection
IK09 Impact Protection
Electrical Safety Class I

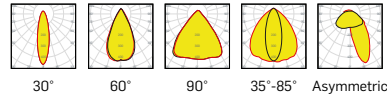
Body Color Options



OPTIC

UGR (CIE Pub.117): 21
IEC/EN 62471 Photo-Biologic Protection RG0

Optic Options



LED

SMD LED with a minimum lifetime of 100.000 hours
High color rendering (CRI>80)

Color Rendering Index

80⁺
Ra>80

CCT



CONTROL

Rated Input Voltage
Range of Input Voltage
Frequency
Power Factor
Operating Temperature
Constant Current LED Driver

220~240VAC
90~305VAC
50~60Hz
PF>0.95
-40°C ~ +60°C

Additional Features

0-10V
0-10V Prog.

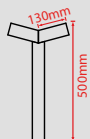
Over Current Protection (OCP), Over Voltage Protectio (OVP),
Short Circuit Protection (SCP), Over Temperature Protection (OTP)

STANDARDS

Luminaire Standarts
Driver Standarts

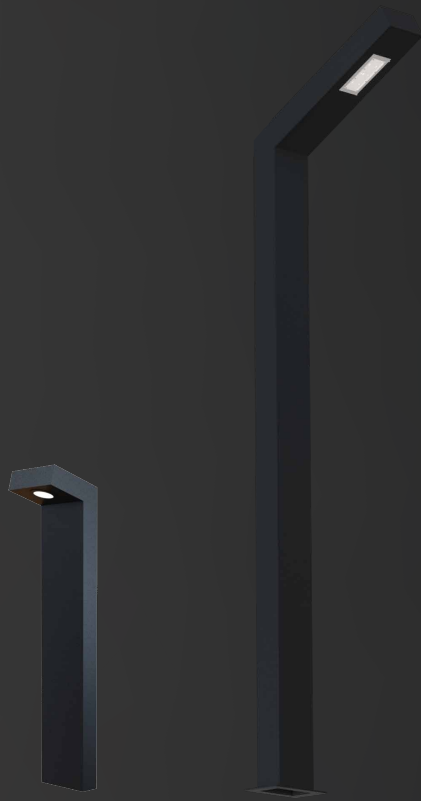
EN 60598-1 - EN 60598-2-3
LVD (EN 61347-1, EN 61347-2-13)
EMC (EN 55015, EN 61547, EN 61000-3-2/3-3)

GR21
IP65 Landscape
LED Lighting

 GR21-0052 50cm		<table><tr><th>Power</th><th>Lum. Flux</th><th>Efficiency</th></tr><tr><td>24W</td><td>- lm</td><td>- lm/W</td></tr></table>	Power	Lum. Flux	Efficiency	24W	- lm	- lm/W	<table><tr><th colspan="2">Packaging Sizes</th></tr><tr><td>Width</td><td>- cm</td></tr><tr><td>Length</td><td>- cm</td></tr><tr><td>Heigth</td><td>- cm</td></tr><tr><td>Amount per ctn.</td><td>- pcs.</td></tr><tr><td>Ctn. weighth</td><td>- kg</td></tr><tr><td>Deci</td><td>-</td></tr></table>	Packaging Sizes		Width	- cm	Length	- cm	Heigth	- cm	Amount per ctn.	- pcs.	Ctn. weighth	- kg	Deci	-
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 GR21-0102 1m		<table><tr><th>Power</th><th>Lum. Flux</th><th>Efficiency</th></tr><tr><td>24W</td><td>- lm</td><td>- lm/W</td></tr></table>	Power	Lum. Flux	Efficiency	24W	- lm	- lm/W	<table><tr><th colspan="2">Packaging Sizes</th></tr><tr><td>Width</td><td>- cm</td></tr><tr><td>Length</td><td>- cm</td></tr><tr><td>Heigth</td><td>- cm</td></tr><tr><td>Amount per ctn.</td><td>- pcs.</td></tr><tr><td>Ctn. weighth</td><td>- kg</td></tr><tr><td>Deci</td><td>-</td></tr></table>	Packaging Sizes		Width	- cm	Length	- cm	Heigth	- cm	Amount per ctn.	- pcs.	Ctn. weighth	- kg	Deci	-
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 GR21-0302 3m		<table><tr><th>Power</th><th>Lum. Flux</th><th>Efficiency</th></tr><tr><td>2x36W</td><td>- lm</td><td>- lm/W</td></tr></table>	Power	Lum. Flux	Efficiency	2x36W	- lm	- lm/W	<table><tr><th colspan="2">Packaging Sizes</th></tr><tr><td>Width</td><td>- cm</td></tr><tr><td>Length</td><td>- cm</td></tr><tr><td>Heigth</td><td>- cm</td></tr><tr><td>Amount per ctn.</td><td>- pcs.</td></tr><tr><td>Ctn. weighth</td><td>- kg</td></tr><tr><td>Deci</td><td>-</td></tr></table>	Packaging Sizes		Width	- cm	Length	- cm	Heigth	- cm	Amount per ctn.	- pcs.	Ctn. weighth	- kg	Deci	-
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 GR21-0502 5m		<table><tr><th>Power</th><th>Lum. Flux</th><th>Efficiency</th></tr><tr><td>4x36W</td><td>- lm</td><td>- lm/W</td></tr></table>	Power	Lum. Flux	Efficiency	4x36W	- lm	- lm/W	<table><tr><th colspan="2">Packaging Sizes</th></tr><tr><td>Width</td><td>- cm</td></tr><tr><td>Length</td><td>- cm</td></tr><tr><td>Heigth</td><td>- cm</td></tr><tr><td>Amount per ctn.</td><td>- pcs.</td></tr><tr><td>Ctn. weighth</td><td>- kg</td></tr><tr><td>Deci</td><td>-</td></tr></table>	Packaging Sizes		Width	- cm	Length	- cm	Heigth	- cm	Amount per ctn.	- pcs.	Ctn. weighth	- kg	Deci	-
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 GR21-0602 6m		<table><tr><th>Power</th><th>Lum. Flux</th><th>Efficiency</th></tr><tr><td>4x36W</td><td>- lm</td><td>- lm/W</td></tr></table>	Power	Lum. Flux	Efficiency	4x36W	- lm	- lm/W	<table><tr><th colspan="2">Packaging Sizes</th></tr><tr><td>Width</td><td>- cm</td></tr><tr><td>Length</td><td>- cm</td></tr><tr><td>Heigth</td><td>- cm</td></tr><tr><td>Amount per ctn.</td><td>- pcs.</td></tr><tr><td>Ctn. weighth</td><td>- kg</td></tr><tr><td>Deci</td><td>-</td></tr></table>	Packaging Sizes		Width	- cm	Length	- cm	Heigth	- cm	Amount per ctn.	- pcs.	Ctn. weighth	- kg	Deci	-
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**The specified luminous flux values may vary by %10.
ORDER CODE EXPENSION

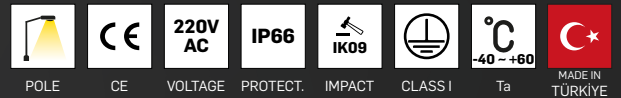
GR21- 0402 - 036 - 8 40 S - 9005-0090- V S S S 66												
GROUP CODE	BODY CODE	POWER	CRI	CCT	EFFICIENCY	BODY COLOR	OPTIC	CONTROL	DRIVER	KIT	ACSESSORY	IP
GR21	0052	012: 12W	8: 80	27: 2700K	S: Standart	9006: Gray	0030: 30°	V: 0-10V Prog.	S: LAMPTIME	S: Standart	S: Standart	66: IP66
	0082	036: 36W		30: 3000K		7016: Anthracite	0060: 60°					
	0102	072: 72W		40: 4000K		9005: Black	0090: 90°					
	0302			50: 5000K			OV49: 35°-85°					
	0402			65: 6500K			AS00: Asymmetric					
	0502											
	0602											



GR21

IP65 Landscape

LED Lighting



HOUSING

Electrostatic powder paint coated extruded aluminum housing
IP66 Protection
IK09 Impact Protection
Electrical Safety Class I

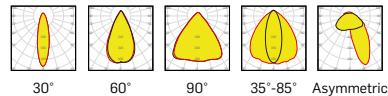
Body Color Options



OPTIC

UGR (CIE Pub.117): 21
IEC/EN 62471 Photo-Biologic Protection RG0

Optic Options



LED

SMD LED with a minimum lifetime of 100.000 hours
High color rendering (CRI>80)

Color Rendering Index

80⁺
Ra>80

CCT



CONTROL

Rated Input Voltage
Range of Input Voltage
Frequency
Power Factor
Operating Temperature
Constant Current LED Driver

220~240VAC
90~305VAC
50~60Hz
PF>0.95
-40°C ~ +60°C

Additional Features

0-10V
0-10V Prog.

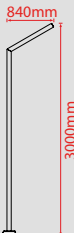
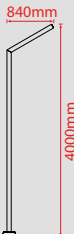
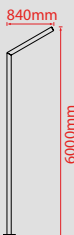
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STANDARDS

Luminaire Standarts
Driver Standarts

EN 60598-1 - EN 60598-2-3
LVD (EN 61347-1, EN 61347-2-13)
EMC (EN 55015, EN 61547, EN 61000-3-2/3-3)

IP65 Landscape LED Lighting

 GR21-0051 50cm		<table><tr><th>Power</th><th>Lum. Flux</th><th>Efficiency</th></tr><tr><td>12W</td><td>- lm</td><td>- lm/W</td></tr></table>	Power	Lum. Flux	Efficiency	12W	- lm	- lm/W	<table><tr><th colspan="2">Packaging Sizes</th></tr><tr><td>Width</td><td>- cm</td></tr><tr><td>Length</td><td>- cm</td></tr><tr><td>Heigth</td><td>- cm</td></tr><tr><td>Amount per ctn.</td><td>- pcs.</td></tr><tr><td>Ctn. weigth</td><td>- kg</td></tr><tr><td>Deci</td><td>-</td></tr></table>	Packaging Sizes		Width	- cm	Length	- cm	Heigth	- cm	Amount per ctn.	- pcs.	Ctn. weigth	- kg	Deci	-
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 GR21-0081 80cm		<table><tr><th>Power</th><th>Lum. Flux</th><th>Efficiency</th></tr><tr><td>12W</td><td>- lm</td><td>- lm/W</td></tr></table>	Power	Lum. Flux	Efficiency	12W	- lm	- lm/W	<table><tr><th colspan="2">Packaging Sizes</th></tr><tr><td>Width</td><td>- cm</td></tr><tr><td>Length</td><td>- cm</td></tr><tr><td>Heigth</td><td>- cm</td></tr><tr><td>Amount per ctn.</td><td>- pcs.</td></tr><tr><td>Ctn. weigth</td><td>- kg</td></tr><tr><td>Deci</td><td>-</td></tr></table>	Packaging Sizes		Width	- cm	Length	- cm	Heigth	- cm	Amount per ctn.	- pcs.	Ctn. weigth	- kg	Deci	-
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 GR21-0301 3m		<table><tr><th>Power</th><th>Lum. Flux</th><th>Efficiency</th></tr><tr><td>36W</td><td>4167 lm</td><td>112 lm/W</td></tr></table>	Power	Lum. Flux	Efficiency	36W	4167 lm	112 lm/W	<table><tr><th colspan="2">Packaging Sizes</th></tr><tr><td>Width</td><td>- cm</td></tr><tr><td>Length</td><td>- cm</td></tr><tr><td>Heigth</td><td>- cm</td></tr><tr><td>Amount per ctn.</td><td>- pcs.</td></tr><tr><td>Ctn. weigth</td><td>- kg</td></tr><tr><td>Deci</td><td>-</td></tr></table>	Packaging Sizes		Width	- cm	Length	- cm	Heigth	- cm	Amount per ctn.	- pcs.	Ctn. weigth	- kg	Deci	-
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ORDER CODE EXPENSION

GR21- 0401 - 036 - 8 40 S -9005-0090- V S S S 66

GROUP CODE	BODY CODE	POWER	CRI	CCT	EFFICIENCY	BODY COLOR	OPTIC	CONTROL	DRIVER	KIT	ACCESSORY	IP
GR21	0051	012: 12W	8: 80	27: 2700K	S: Standart	9006: Gray	0030: 30°	V: 0-10V Prog.	S: LAMPTIME	S: Standart	S: Standart	66: IP66
	0081	036: 36W		30: 3000K		7016: Anthracite	0060: 60°					
	0101	072: 72W		40: 4000K		9005: Black	0090: 90°					
	0301			50: 5000K			OV49: 35°-85°					
	0401			65: 6500K			AS00: Asymmetric					
	0501											
	0601											