



16012-1/2/3

Led tube Eco line 60 cm 10W



colour	ww-nw-cw
colour temp	3000-4500-6500K
base	g13
power factor	>0.90
voltage	100 -240vac
efficacy l/w	100-110 lm/w
total lumen	1000-1100 lm
cri	>80
life time	50.000 hrs
beam angle	120 deg
wattage	10 watt
replacement for	Tl 60 cm
diameter ø	26 mm
length	60 cm
panel front	frosted pvc
certificates	ce/rohs / TÜV
warranty	3 years

Note

Specifications listed are in effect at time of printing and are subject to alteration without prior notice or obligation.
RAW LED reserves the right to periodically upgrade these specifications through additions, deletions and substitutions.

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Light output

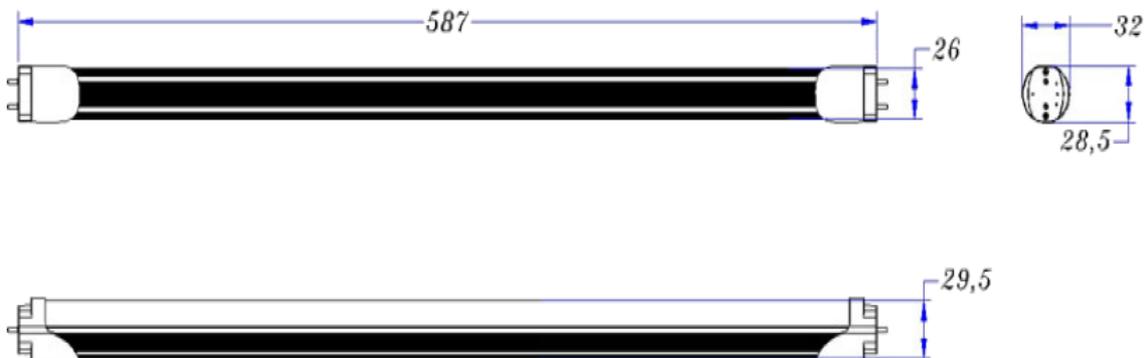
	Center Beam Lux ^{1,2}	Beam Width
0.5 m	580 lx	2 x 1 m
1.0 m	182 lx	5 x 3 m
1.5 m	89 lx	7 x 4 m
2.0 m	51 lx	10 x 6 m
2.5 m	32 lx	12 x 7 m
m	23 lx	15 x 9 m

Beam Angle: 135° x 110°
Field Angle: 180° x 160°

Notes:

1. For footcandle, fc multiply lux by 0.09
2. Lux multiplier: 6500K - 1.00
4500K - 0.90
3000K - 0.70
Clear - 1.09

Dimensions



Notes:

1. Dimensions shown in mm.



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Packaging

1. Quantity / Carton: 25 pieces
2. Carton dimension (L x W x H): 645 x 210 x 210mm





19112-1/2/3

Led tube Eco line 90 cm 12W



colour	ww-nw-cw
colour temp	3000-4500-6500K
base	g13
power factor	>0.90
voltage	100 -240vac
efficacy l/w	90-110 lm/w
total lumen	1080-1320 lm
cri	>80
life time	50.000 hrs
beam angle	120 deg
wattage	12 watt
replacement for	T1 60 cm
diameter ø	26 mm
length	60 cm
panel front	frosted pvc
certificates	ce/rohs / TÜV
warranty	3 years

Note

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Light output

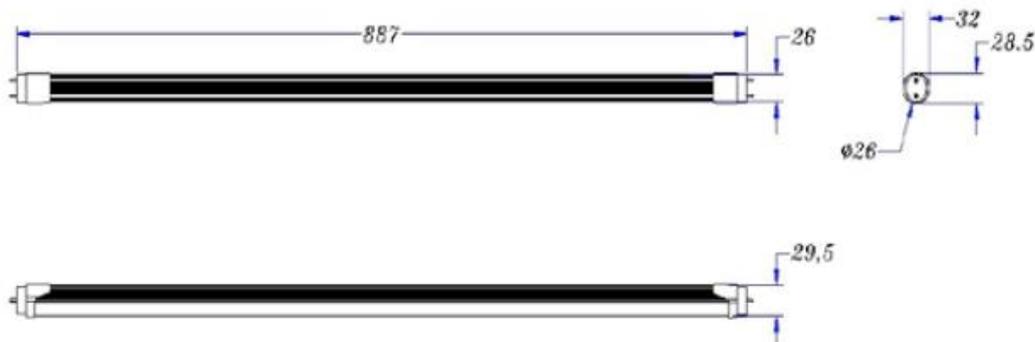
	Center Beam Lux ^{1,2}	Beam Width
0.5 m	580 lx	2 x 1 m
1.0 m	182 lx	5 x 3 m
1.5 m	89 lx	7 x 4 m
2.0 m	51 lx	10 x 6 m
2.5 m	32 lx	12 x 7 m
m	23 lx	15 x 9 m

Beam Angle: 135° x 110°
Field Angle: 180° x 160°

Notes:

1. For footcandle, fc multiply lux by 0.09
2. Lux multiplier: 6500K - 1.00
4500K - 0.90
3000K - 0.70
Clear - 1.09

Dimensions



Notes:

1. Dimensions shown in mm.



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Packaging

1. Quantity / Carton: 25 pieces
2. Carton dimension (L x W x H): 945 x 210 x 210mm





12029-1/2/3

Led tube eco line 120 cm 18W



colour	ww-nw-cw
colour temp	3000-4500-6500K
base	g13
power factor	>0.90
voltage	100 -240vac
efficacy l/w	80-110 lm/w
total lumen	1440-1980 lm
cri	>80
life time	50.000 hrs
beam angle	120 deg
wattage	18 watt
replacement for	T1 120 cm
diameter ø	26 mm
length	120 cm
panel front	frosted/clear pvc
certificates	ce/rohs/tuv
warranty	3 years

Note

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Light output

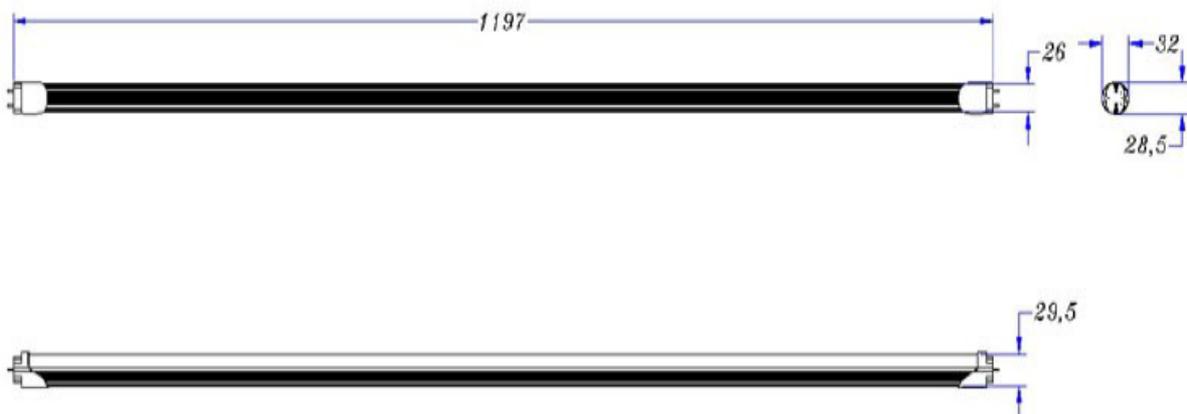
	Center Beam Lux ^{1,2}	Beam Width
0.5 m	826 lx	2 x 1 m
1.0 m	311 lx	5 x 3 m
1.5 m	162 lx	7 x 4 m
2.0 m	98 lx	10 x 6 m
2.5 m	64 lx	12 x 7 m
m	46 lx	15 x 9 m

Beam Angle: 135° x 110°
Field Angle: 180° x 160°

Notes:

1. For footcandle, fc multiply lux by 0.09
2. Lux multiplier: 6500K - 1.00
4500K - 0.90
3000K - 0.70
Clear - 1.09

Dimensions



Note: Dimensions in mm



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Packaging

1. Quantity / Carton: 25 pieces
2. Carton dimension (L x W x H): 1245 x 210 x 210mm





12020-1/2/3

Led tube eco line 120 cm 20W



colour	ww-nw-cw
colour temp	3000-4500-6500K
base	g13
power factor	>0.90
voltage	100 -240vac
efficacy l/w	80-110 lm/w
total lumen	1600-2200 lm
cri	>80
life time	50.000 hrs
beam angle	120 deg
wattage	20 watt
replacement for	T1 120 cm
diameter ø	26 mm
length	120 cm
panel front	frosted/clear pvc
certificates	ce/rohs/tuv
warranty	3 years

Note

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Light output

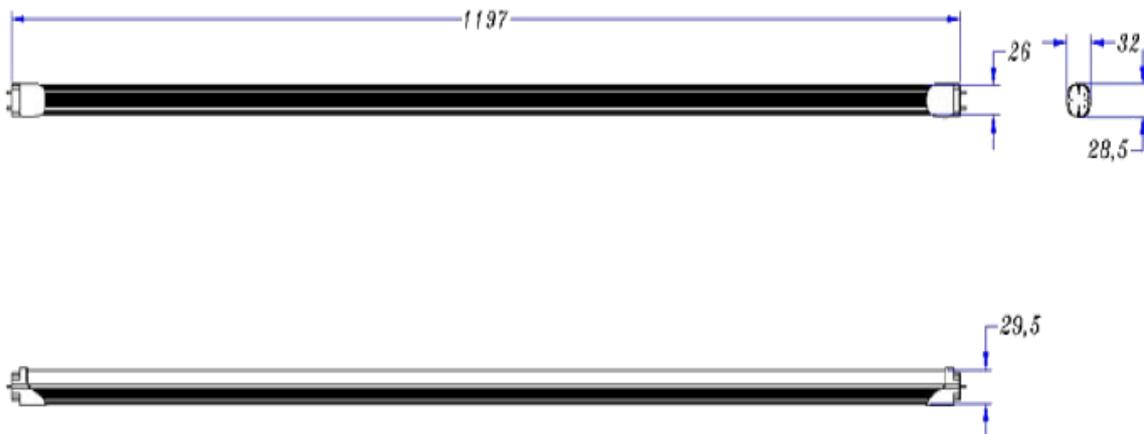
	Center Beam Lux ^{1,2}	Beam Width
0.5 m	903 lx	2 x 1 m
1.0 m	341 lx	5 x 3 m
1.5 m	176 lx	7 x 4 m
2.0 m	107 lx	10 x 6 m
2.5 m	70 lx	12 x 7 m
m	50 lx	15 x 9 m

Beam Angle: 135° x 110°
Field Angle: 180° x 160°

Notes:

1. For footcandle, fc multiply lux by 0.09
2. Lux multiplier: 6500K - 1.00
4500K - 0.90
3000K - 0.70
Clear - 1.09

Dimensions



Note: Dimensions in mm



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Packaging

1. Quantity / Carton: 25 pieces
2. Carton dimension (L x W x H): 1245 x 210 x 210mm





15029-1/2/3

Led tube eco line 150 cm 22W



colour	ww-nw-cw
colour temp	3000-4500-6500K
base	g13
power factor	>0.90
voltage	100 -240vac
efficacy l/w	80-110 lm/w
total lumen	1760-2420 lm
cri	>80
life time	50.000 hrs
beam angle	120 deg
wattage	22 watt
replacement for	T1 150 cm
diameter ø	26 mm
length	150 cm
panel front	frosted/clear pvc
certificates	ce/rohs/tuv
warranty	3 years

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Light output

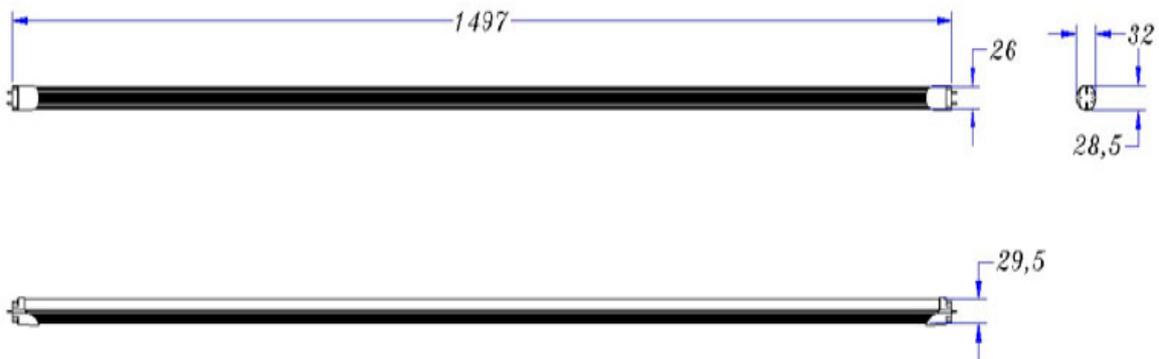
	Center Beam Lux ^{1,2}	Beam Width
0.5 m	872 lx	2 x 1 m
1.0 m	348 lx	5 x 3 m
1.5 m	189 lx	7 x 4 m
2.0 m	116 lx	10 x 6 m
2.5 m	76 lx	12 x 7 m
m	55 lx	15 x 9 m

Beam Angle: 135° x 110°
Field Angle: 180° x 160°

Notes:

1. For footcandle, fc multiply lux by 0.09
2. Lux multiplier: 6500K - 1.00
4500K - 0.90
3000K - 0.70
Clear - 1.09

Dimensions



Note: Dimensions in mm



Packaging

raw led

1. Quantity / Carton: 25 pieces
2. Carton dimension (L x W x H): 1545 x 210 x 210mm





15024-1/2/3

Led tube eco line 150 cm 24W



colour	ww-nw-cw
colour temp	3000-4500-6500K
base	g13
power factor	>0.90
voltage	100 -240vac
efficacy l/w	80-110 lm/w
total lumen	1920-2640 lm
cri	>80
life time	50.000 hrs
beam angle	120 deg
wattage	24 watt
replacement for	T1 150 cm
diameter ø	26 mm
length	150 cm
panel front	frosted/clear pvc
certificates	ce/rohs/tuv
warranty	3 years

Note

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Light output

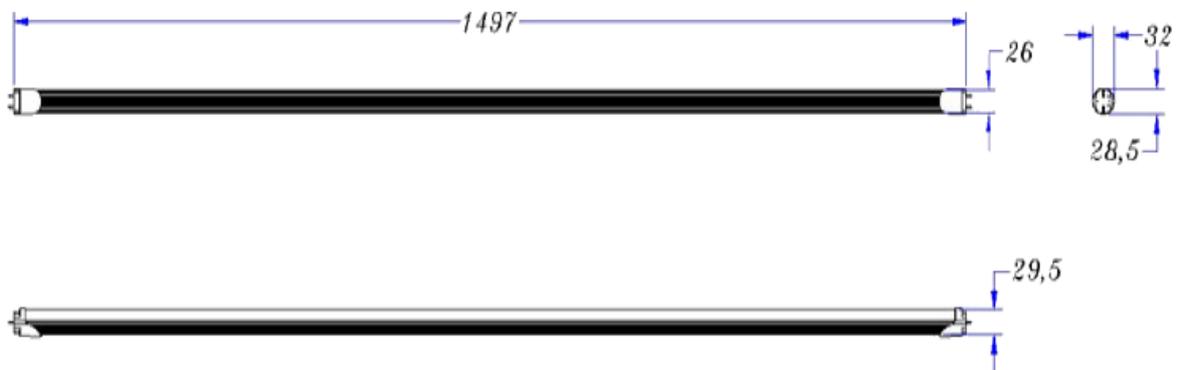
	Center Beam Lux ^{1,2}	Beam Width
0.5 m	913 lx	2 x 1 m
1.0 m	368 lx	5 x 3 m
1.5 m	198 lx	7 x 4 m
2.0 m	120 lx	10 x 6 m
2.5 m	80 lx	12 x 7 m
m	60 lx	15 x 9 m

Beam Angle: 135° x 110°
Field Angle: 180° x 160°

Notes:

1. For footcandle, fc multiply lux by 0.09
2. Lux multiplier: 6500K - 1.00
4500K - 0.90
3000K - 0.70
Clear - 1.09

Dimensions



Note: Dimensions in mm



Packaging

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1. Quantity / Carton: 25 pieces
2. Carton dimension (L x W x H): 1545 x 210 x 210mm





15026-1/2/3

Led tube eco line 150 cm 26W



colour	ww-nw-cw
colour temp	3000-4500-6500K
base	g13
power factor	>0.90
voltage	100 -240vac
efficacy l/w	80-110 lm/w
total lumen	2080-2860 lm
cri	>80
life time	50.000 hrs
beam angle	120 deg
wattage	26 watt
replacement for	T1 150 cm
diameter ø	26 mm
length	150 cm
panel front	frosted/clear pvc
certificates	ce/rohs/tuv
warranty	3 years

Note

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Light output

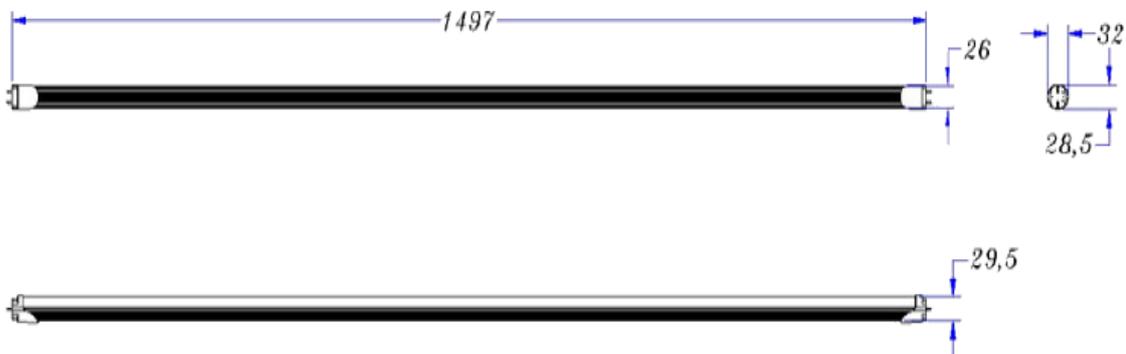
	Center Beam Lux ^{1,2}	Beam Width
0.5 m	1013 lx	2 x 1 m
1.0 m	413 lx	5 x 3 m
1.5 m	223 lx	7 x 4 m
2.0 m	136 lx	10 x 6 m
2.5 m	91 lx	12 x 7 m
m	66 lx	15 x 9 m

Beam Angle: 135° x 110°
Field Angle: 180° x 160°

Notes:

1. For footcandle, fc multiply lux by 0.09
2. Lux multiplier: 6500K - 1.00
4500K - 0.90
3000K - 0.70
Clear - 1.09

Dimensions



Note: Dimensions in mm



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Packaging

1. Quantity / Carton: 25 pieces
2. Carton dimension (L x W x H): 1545 x 210 x 210mm





15032-1/2/3

Led tube eco line 150 cm 30W



colour	ww-nw-cw
colour temp	3000-4500-6500K
base	g13
power factor	>0.90
voltage	100 -240vac
efficacy l/w	80-110 lm/w
total lumen	2400-3300 lm
cri	>80
life time	50.000 hrs
beam angle	120 deg
wattage	30 watt
replacement for	T1 150 cm
diameter ø	26 mm
length	150 cm
panel front	frosted/clear pvc
certificates	ce/rohs/tuv
warranty	3 years

Note

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Light output

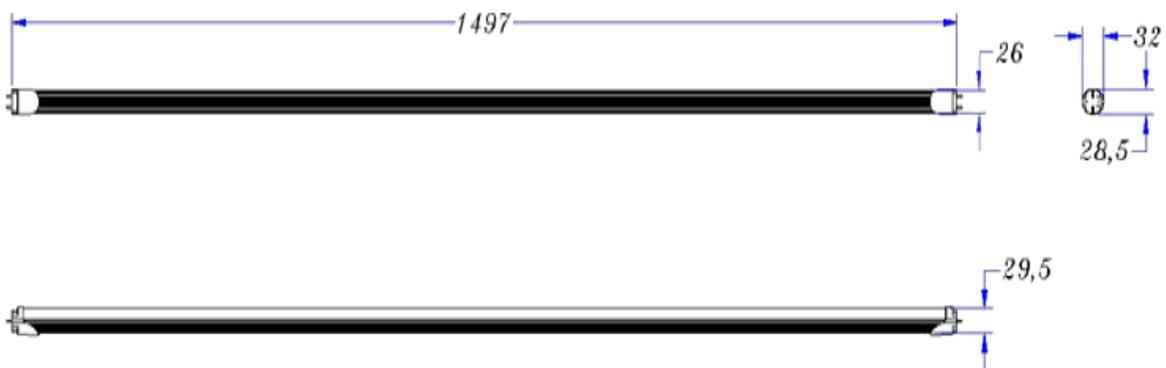
	Center Beam Lux ^{1,2}	Beam Width
0.5 m	1013 lx	2 x 1 m
1.0 m	413 lx	5 x 3 m
1.5 m	223 lx	7 x 4 m
2.0 m	136 lx	10 x 6 m
2.5 m	91 lx	12 x 7 m
m	66 lx	15 x 9 m

Beam Angle: 135° x 110°
Field Angle: 180° x 160°

Notes:

1. For footcandle, fc multiply lux by 0.09
2. Lux multiplier: 6500K - 1.00
4500K - 0.90
3000K - 0.70
Clear - 1.09

Dimensions



Note: Dimensions in mm



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Packaging

1. Quantity / Carton: 25 pieces
2. Carton dimension (L x W x H): 1545 x 210 x 210mm

