

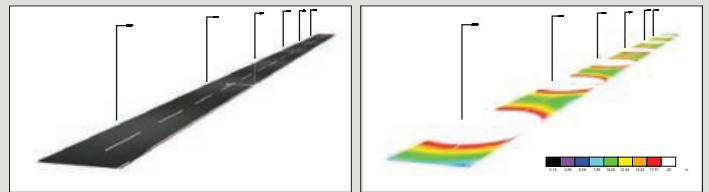
Zora Case Study

EXAMPLE SCHEME 1

	ME2	Zora Small ST90 (90W)	Other similar LED Street Light (120W)
Lave (cd/m2)	1.5	1.51	1.36
Uo	≥0.4	0.51	0.52
U	≥0.7	0.81	0.87
Ti (%)	≤10%	10%	10%
SR	≥0.5	0.61	0.72
W (System)		90W	120W
W/km		2571	3430

Scheme: Luminaire mounting height 10M, spacing 35M, road width 7M (Single way 2 Lanes with 3.5M each and shoulder 1.5M) Single side arrangement, tilt 0, outreach 0.5M, maintenance factor 0.80, road surface R3.

Result: Zora Small ST90 performs better than other LED street light of higher power. Minimum 25% energy savings are achievable depending on column spacing, road configuration and lighting class with the added comfort of white light.



Zora Small ST90 (90W)



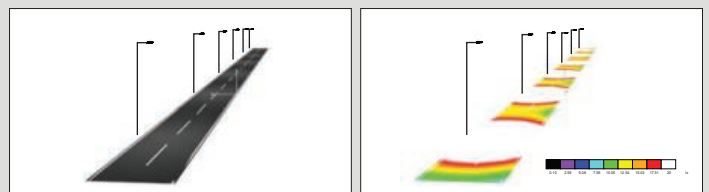
Other similar LED Street Light (120W)

EXAMPLE SCHEME 2

	ME2	Zora Small ST120 (120W)	Other similar LED Street Light (150W)
Lave (cd/m2)	1.5	1.72	1.57
Uo	≥0.4	0.50	0.41
U	≥0.7	0.81	0.78
Ti (%)	≤10%	9%	10%
SR	≥0.5	0.61	0.54
W (System)		120W	150W
W/km		3430	4285

Scheme: Luminaire mounting height 10M, spacing 35M, road width 7M (Single way 2 Lanes with 3.5M each and shoulder 1.5M) Single side arrangement, tilt 0, outreach 0.5M, maintenance factor 0.80, road surface R3.

Result: Zora Small ST120 performs better than other LED street light of higher power. Minimum 20% energy savings are achievable depending on column spacing, road configuration and lighting class with the added comfort of white light.



Zora Small ST120 (120W)



Other similar LED Street Light (150W)

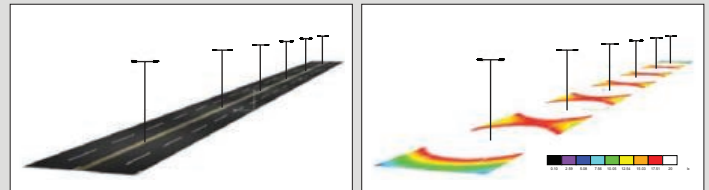
Zora Case Study

EXAMPLE SCHEME 3

	ME1	Zora Medium ST150 (150W)	Other similar LED Street Light (180W)
Lave (cd/m2)	2.0	2.44	1.98
Uo	≥0.4	0.53	0.60
U	≥0.7	0.84	0.86
Ti (%)	≤10%	9%	7%
SR	≥0.5	0.87	0.86
W (System)		150W	180W
W/km		3750	4500

Scheme: Luminaire mounting height 12M, spacing 40M, road width 14M (dual way 4 lanes with 3.5M each, shoulder 2x1.5M & central reserve 0.6M). Median arrangement, till 0, outreach 1.5M, maintenance factor 0.80, road surface R3.

Result: Zora Medium ST150 performs better than other LED street light of higher power. Minimum 17% energy savings are achievable depending on column spacing, road configuration and lighting class with the added comfort of white light.



Zora Medium ST150 (150W)



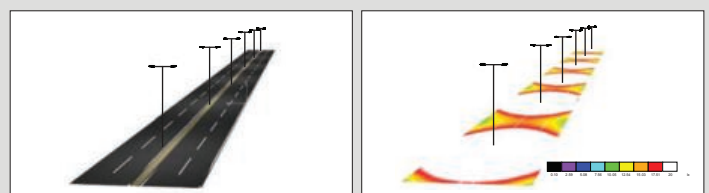
Other similar LED Street Light (180W)

EXAMPLE SCHEME 4

	ME1	Zora Medium ST180 (180W)	Other similar LED Street Light (210W)
Lave (cd/m2)	2.0	2.61	1.85
Uo	≥0.4	0.48	0.56
U	≥0.7	0.79	0.78
Ti (%)	≤10%	9%	8%
SR	≥0.5	0.86	0.90
W (System)		180W	210W
W/km		4000	4670

Scheme: Luminaire mounting height 12M, spacing 40M, road width 14M (dual way 4 lanes with 3.5M each, shoulder 2x1.5M & central reserve 0.6M). Median arrangement, till 0, outreach 1.5M, maintenance factor 0.80, road surface R3.

Result: Zora Medium ST180 performs better than other LED street light of higher power. Minimum 14% energy savings are achievable depending on column spacing, road configuration and lighting class with the added comfort of white light.



Zora Medium ST180 (180W)



Other similar LED Street Light (210W)