

HIGH PERFORMANCE LUMINAIRE DESIGNED TO MINIMISE LIGHT POLLUTION



- Die-cast LM24 aluminium body
- Graphite, full polyester powder finish as standard
- Silver finish option
- High efficiency prismatic polycarbonate or borosilicate glass front refractor
- Highly specular, multi-faceted injection moulded vacuum metallised reflector
- Excellent distribution with less than 2% upward light component
- Conventionally switched and Smart External versions
- Photocell option

Ra	°K	L70/B10	P/U	%	R/Rx	PF	LL/W
65	5000	60K	P	>85	R	>0.95	Polycarbonate - 61.1 Glass - 51.5

Realta Design Registration
Number 3024955

IP66 ◆ CE IK10++ / IK06

RANGE

DESCRIPTION	CONVENTIONALLY SWITCHED	SMART EXTERNAL	APPROX. kg
IK10++ POLYCARBONATE COVER			
18W LED	RL 14436	RL 14437	3.8
IK06 GLASS COVER			
18W LED	RL 14438	-	4.6

SILVER OPTION - add suffix SV3 e.g. RL 14436SV3

EMERGENCY VERSIONS - prefix catalogue number with 'ERL'.

AUTOTEST VERSIONS * - prefix catalogue number with 'TRL'.

SCANLIGHT AT VERSIONS * - prefix catalogue number with 'DRL'.

Emergency versions add 0.4kg to weights listed.

ⓘ Emergency operation is provided by a 2W LED sustained emergency lamp (fitted)



* For further information on AutoTest and Scanlight AT see the Thorlux main catalogue or visit www.thorlux.com



The LEDbar substitutes the conventional Realta lamp source positions with an 18W LED lamp package. The aluminium bar dissipates the heat generated by the LEDs for optimum performance.



SINGLE LUMINAIRE POLE MOUNTING ATTACHMENT



TWIN LUMINAIRE POLE MOUNTING ATTACHMENT

ACCESSORIES

DESCRIPTION	CAT. No.	APPROX. kg
Single luminaire pole mounting attachment (for 60mm dia. poles)	RL 13759	1.6
Twin luminaire pole mounting attachment (for 60mm dia. poles)	RL 14175	2.6
76/60mm diameter spigot adaptor ▲	GLB 11184	0.8

▲ For retro-fit on 76mm diameter columns

OPTION

DESCRIPTION	SUFFIX
Photocell (available on conventionally switched only)	PC

e.g. **RL 14436PC**



REALTA SPACINGS

Photometric Performance (Polycarbonate Cover)

3m MOUNTING HEIGHT (3m Forward Throw)

SPACING	INITIAL ILLUMINANCE	UNIFORMITY (min/av)
10m ctrs	18 lux av.	0.53
15m ctrs	12 lux av.	0.49
20m ctrs	10 lux av.	0.35

4m MOUNTING HEIGHT (4m Forward Throw)

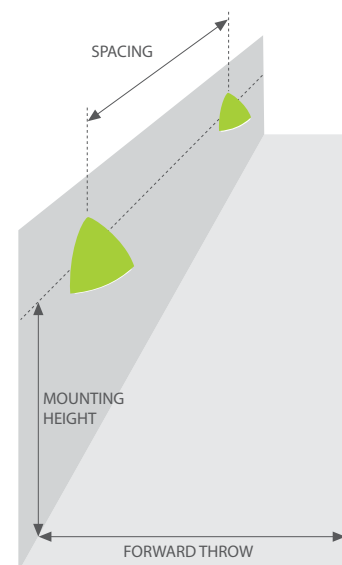
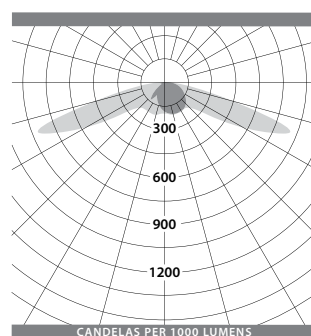
SPACING	INITIAL ILLUMINANCE	UNIFORMITY (min/av)
10m ctrs	15 lux av.	0.64
15m ctrs	9 lux av.	0.55
20m ctrs	7 lux av.	0.49

5m MOUNTING HEIGHT (5m Forward Throw)

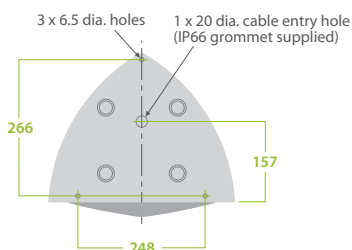
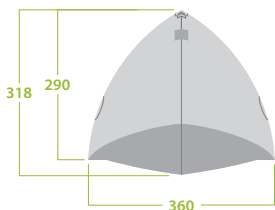
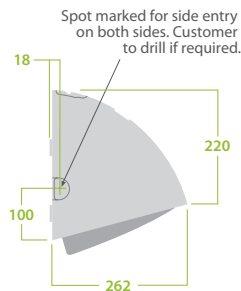
SPACING	INITIAL ILLUMINANCE	UNIFORMITY (min/av)
10m ctrs	10 lux av.	0.56
15m ctrs	7 lux av.	0.49
20m ctrs	5 lux av.	0.55

PHOTOMETRIC GUIDE

POLYCARBONATE COVER
18W LED



e.g. At 3m mounting height and 10m centres:
18 lux average horizontal illuminance
at ground level



ENERGY SAVINGS COMPARISON

Installation of 25 luminaires

	42W CFL	18W LED SMART	SAVING
Circuit (W)	47	24	23
Burn Hours per annum	4,380	1,095 •	3,285
Annual kWh	5,147	1,314	3,833
CO ₂ (kg)	2,728	696	2,032
Cost ▲	£617.58	£78.84	£538.74

- On-time reduced due to Smart presence detection
- ▲ Based on 12p/kWh

25 YEAR LIFE COSTING ANALYSIS

Installation of 25 luminaires

	42W CFL	18W LED SMART	SAVING
Number of lamps replaced	125	0	125
Total cost of relamping ■	£17,913	£0	£17,913
Power usage for site (kWh)	128,663	32,850	95,813
Electricity cost ▲ ■	£25,719	£3,283	£22,436
CO ₂ (kg)	68,430	17,560	50,970
Number of trees required to absorb CO ₂ produced	69	18	51

- Based on inflation rate of 4% each year (includes travelling, access equipment, re-lamping and labour for 2 maintenance engineers)
- ▲ Based on 12p/kWh