



LEDbar



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

ACCESSORIES



Single luminaire pole mounting attachment



Twin luminaire pole mounting attachment

DESCRIPTION

Single luminaire pole mounting attachment (for 60mm dia. poles)
Twin luminaire pole mounting attachment (for 60mm dia. poles)
76/60mm dia. spigot adaptor (for retro-fit on 76mm dia. columns)

CAT. No.

RL 13759
RL 14175
GLB 11184

APPROX. kg

1.6
2.6
0.8



SPECIFICATION

- Graphite full polyester powder finish.
Silver option
- Strong die-cast LM2 aluminium body
- High efficiency prismatic polycarbonate
or borosilicate glass front refractor
- 50W SON-T version replaces the need
for 70W SON-T
- LED version with excellent performance
- Highly specular, multi-faceted injection
moulded vacuum metallised reflector
- Excellent distribution with less than
2% upward light component
- Optional photocell control
- TC-T versions with high frequency
tri-lamp ballast enables retro-fit
of 26 and 32W lamps
- Conventionally switched and
Smart External versions
- Fitted with lamp(s) or 5000K LEDs



Realta Design Registration Number 3024955

LED CHARACTERISTICS

Ra	"K	L70/B10	P/U	%	R/Rx	PF	LL/CW
65	5000	60K	P	>85	R	>0.95	Poly - 61.9 Glass - 52.4

For LED characteristics explanation see
www.thorlux.com/led-characteristics

OPTIONS

DESCRIPTION	SUFFIX	EXAMPLE
Photocell (standard versions only)	PC	RL 14436LPC
Tamper resistant screws ♦	T	RL 14436T

- ♦ To fasten tamper resistant screws order
special screwdriver **KEY 10008**

RANGE

	LAMP	CAT. No.	APPROX. kg
SMART EXTERNAL	IK10++ Polycarbonate Cover 18W LED ●	RL 14437D	3.9
	IK10++ Polycarbonate Cover 18W LED ●	RL 14436L	3.8
	35W CDM-T ▲	RL 13538	3.6
	42W TC-T ■●	RL 13535J	3.6
	50W SON-T	RL 13536	4.6
STANDARD	IK06 Glass Cover 18W LED ●	RL 14438L	4.6
	35W CDM-T ▲	RL 13531	4.5
	42W TC-T ■●	RL 13528J	4.5
	50W SON-T	RL 13529	5.5

CIRCUIT TYPE - J - non-dimming (HF fluorescent) / L - non-dimming (LED)

SILVER OPTION - add suffix **SV3** e.g. RL 14437DSV3 etc.

▲ 3000K lamp fitted

■ 4000K lamp fitted

● EMERGENCY VERSION - prefix catalogue number with:

ERL - Emergency / TRL - AutoTest / DRL - Scanlight AT e.g. ERL 13535J etc.

Emergency, AutoTest and Scanlight AT versions add 0.4kg to weights listed

Emergency operation is provided by a sustained emergency lamp (fitted) -

2W LED (LED versions) or 5W TC-S (Lamp versions)

35W CDM-T and 42W TC-T versions use electronic control gear

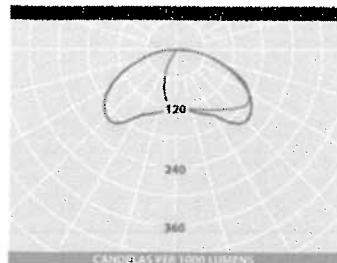
Web Link: Smart External System

PHOTOMETRIC GUIDE

POLYCARBONATE COVER - 42W TC-T

D.L.O.R. 55%

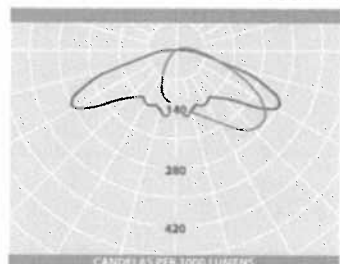
U.L.O.R. 2%



POLYCARBONATE COVER - 50W SON-T

D.L.O.R. 71%

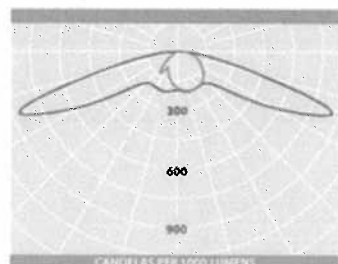
U.L.O.R. 1%



POLYCARBONATE COVER - 18W LED

D.L.O.R. 98%

U.L.O.R. 2%

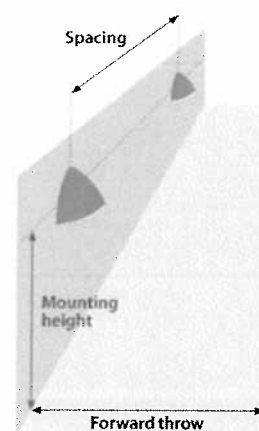


Luminaire Lumen Output
18W = 1300lm

PERFORMANCE GUIDE

Photometric Performance - 18W LED with polycarbonate cover

SPACING	AVERAGE ILLUMINANCE	UNIFORMITY (min/av)
3m mounting height - 3m forward throw		
10m ctrs	18 lux	0.53
15m ctrs	12 lux	0.49
20m ctrs	10 lux	0.35
4m mounting height - 4m forward throw		
10m ctrs	15 lux	0.64
15m ctrs	9 lux	0.55
20m ctrs	7 lux	0.49
5m mounting height - 5m forward throw		
10m ctrs	10 lux	0.56
15m ctrs	7 lux	0.49
20m ctrs	5 lux	0.55



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

FIGURES ARE BASED ON INITIAL LUMENS

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



LED version

DIMENSIONS

