

Energy efficiency class scale A++ - E

Voltage:

~220-240V,50-60HZ



Protection class:

IP 20

acc. to DIN EN 60598/VDE 0711

## Product description

Beam angle with flood lens (-F) 46°

**Design:** LED spotlight for mounting on trunking. Luminaire housing, spotlight housing and retaining arm in die-cast aluminium, white (RAL 9016) or silver (similar to RAL9006) powder coated. Steel spotlight front panel with 16 round laser-cut round recesses for the lenses, black powder coated. 3-phase lighting track adapter creating a rigid connection to the luminaire housing. Spotlight housing retaining arm permits 360° rotation and 110° swivel action. Lenses in PMMA, heat resistant, high degree of transmission. Prefitted RIDI LED module, colour tolerance < 3 step MacAdam (initial), luminous flux 2500 lm. Rated service life of LED components at ambient temperatures of -20°C to 25°C: L80B50 > 50,000 h.

Colour rendering in index Ra &gt;= 80, colour temperature 3000 Kelvin (830)

### Electrical versions:

- El. conv.: Electronic converter for LED, 220-240 Volt, 0/50-60 Hz and three phase trunking adapter with phase selection.

**Mounting:** Ceiling mounting on 3-phase lighting track. Not intended for wall mounting.

**Accessories:** Filter discs and decorative trims available.

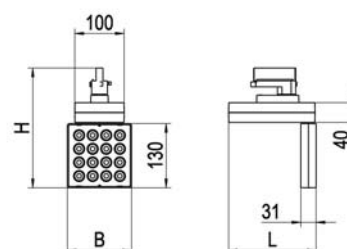
## Lamps included: LED

## Product image



## Technical data / dimensions

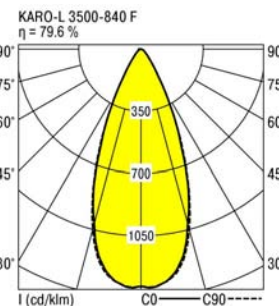
Dimens. [mm]	
L	177
B	130
H	249
Lamps	16xLED 2 W
Weight [kg]	2,3



Number of drivers	1
Number of drivers on LS B 16A	34
Nominal LED life	L80B50
Operating hours [h]	50.000
Ambient temperature tq [°C]	25

## Photometric data

Phi_u [%]	100.0
Phi_o [%]	0.0
LTG/DIN	A 70
UTE	0.80A
Luminaire luminous flux [lm]	2786
Luminaire output [W]	37
Luminaire efficiency [lm/W]	75
Farbortoleranz (initial)	< 3 SDCM
Colour temperature [K]	3000
Colour rendering in index Ra	>= 80



KARO-L 3500-840 F		Glare evaluation according to UGR									
p-Ceiling		70	70	50	50	30	70	70	50	50	30
p-Wände		50	30	50	30	30	50	30	50	30	30
p-Floor		20	20	20	20	20	20	20	20	20	20
Room dimensions		View in C0 direction					View in C90 direction				
X	Y										
2H	2H	17.7	18.4	17.9	18.6	18.7	17.7	18.4	17.9	18.6	18.7
	3H	18.2	18.9	18.5	19.1	19.3	18.2	18.9	18.5	19.1	19.3
	4H	18.5	19.1	18.7	19.3	19.5	18.5	19.1	18.8	19.3	19.5
	6H	18.6	19.2	18.9	19.4	19.7	18.7	19.2	19.0	19.4	19.7
	8H	18.7	19.2	19.0	19.5	19.7	18.7	19.2	19.0	19.5	19.7
	12H	18.7	19.2	19.0	19.4	19.7	18.7	19.2	19.0	19.4	19.7
4H	2H	17.9	18.4	18.1	18.7	18.9	17.9	18.5	18.1	18.7	18.9
	3H	18.6	19.1	18.9	19.3	19.6	18.6	19.1	18.9	19.3	19.6
	4H	18.9	19.4	19.2	19.7	20.0	18.9	19.4	19.3	19.7	20.0
	6H	19.2	19.5	19.5	19.9	20.2	19.2	19.6	19.5	19.9	20.2
	8H	19.2	19.6	19.6	19.9	20.3	19.2	19.6	19.6	19.9	20.3
	12H	19.2	19.5	19.6	19.9	20.3	19.2	19.5	19.6	19.9	20.3
8H	4H	19.0	19.3	19.4	19.7	20.1	19.0	19.4	19.4	19.7	20.1
	6H	19.3	19.6	19.7	20.0	20.4	19.3	19.6	19.7	20.0	20.4
	8H	19.4	19.6	19.8	20.1	20.5	19.4	19.7	19.8	20.1	20.5
	12H	19.4	19.6	19.9	20.1	20.5	19.4	19.6	19.9	20.1	20.5
12H	4H	18.9	19.3	19.4	19.7	20.1	19.0	19.3	19.4	19.7	20.1
	6H	19.3	19.6	19.7	20.0	20.4	19.3	19.6	19.7	20.0	20.4
	8H	19.4	19.6	19.8	20.1	20.5	19.4	19.6	19.9	20.1	20.5

Corrected glare indices for a total luminous flux of 3500 lm