Energy efficiency class scale A++ - E



Voltage: ~230-240V,50-60HZ Protection class: IP 20 acc. to DIN EN 60598/VDE 0711

Product description

Beam angle with flood lens (-F) 46°

 $\textbf{Design:} \ \mathsf{LED} \ \mathsf{spotlight} \ \mathsf{for} \ \mathsf{mounting} \ \mathsf{on} \ \mathsf{trunking.} \ \mathsf{Luminaire} \ \mathsf{housing}, \ \mathsf{spotlight} \ \mathsf{housing} \ \mathsf{and}$ retaining arm in die-cast aluminium, white (RAL 9016) or silver (similar to RAL9006) powder coated with fine structuring in silk matt finish. Steel spotlight front panel with 9 round lasercut 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 < step MacAdam (initial), LED module 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 >= 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.

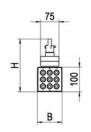
Lamps included: LED

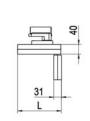
Product image



Technical data / dimensions

Dimens. [mm]	
L	177
В	100
Н	221
Lamps	9xLED 2,7 W
Weight [kg]	1,3

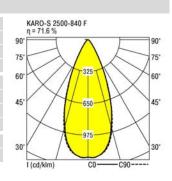




Number of drivers	1			
Number of drivers on LS B 16A	34			
Nominal LED life	L80B50			
Operating hours [h]	50.000			
Ambient temperature tq [°C]	25			

Photometric data

Phi_u [%]	100.0
Phi_o [%]	0.0
LITG/DIN	A 70
UTE	0.72A
Luminaire luminous flux [lm]	1790
Luminaire output [W]	26
Luminaire efficiency [lm/W]	68
Farborttoleranz (initial)	< 3 SDCM
Colour temperature [K]	3000
Colour rendering in index Ra	>= 80



	70	70	50	50						
					30	70	70	50	50	30
	50	30	50	30	30	50	30	50	30	30
	20	20	20	20	20	20	20	20	20	20
ions Y	View in C0 direction					View in C90 direction				
2H	18.1	18.8	18.3	19.0	19.2	18.1	18.9	18.4	19.0	19.2
3H	18.7	19.3	18.9	19.5	19.7	18.7	19.3	18.9	19.5	19.7
4H	18.9	19.5	19.2	19.7	20.0	18.9	19.5	19.2	19.8	20.0
6H	19.1	19.6	19.4	19.9	20.1	19.1	19.7	19.4	19.9	20.1
8H	19.1	19.7	19.4	19.9	20.2	19.1	19.7	19.5	19.9	20.2
12H	19.1	19.6	19.4	19.9	20.2	19.1	19.6	19.4	19.9	20.2
2H	18.3	18.9	18.6	19.1	19.3	18.3	18.9	18.6	19.1	19.4
3H	19.0	19.5	19.3	19.8	20.1	19.0	19.5	19.3	19.8	20.1
4H	19.4	19.8	19.7	20.1	20.4	19.4	19.8	19.7	20.1	20.4
6H	19.6	20.0	20.0	20.3	20.7	19.6	20.0	20.0	20.4	20.7
8H	19.7	20.0	20.1	20.4	20.8	19.7	20.0	20.1	20.4	20.8
12H	19.7	20.0	20.1	20.4	20.8	19.7	20.0	20.1	20.4	20.8
4H	19.4	19.8	19.8	20.2	20.5	19.4	19.8	19.8	20.2	20.5
6H	19.8	20.1	20.2	20.5	20.9	19.8	20.1	20.2	20.5	20.9
	19.8	20.1	20.3	20.5	21.0	19.8		20.3	20.5	21.0
12H	19.8	20.1	20.3	20.5	21.0	19.8	20.1	20.3	20.5	21.0
4H	19.4	19.7	19.8	20.1	20.5	19.4	19.8	19.8	20.1	20.5
										20.9
										21.0
	2H 3H 4H 6H 8H 12H 2H 3H 4H 6H 8H 12H 4H 6H 8H 12H	Y 2H 18.1 3H 18.7 4H 18.9 6H 19.1 12H 19.1 2H 18.3 3H 19.0 4H 19.4 6H 19.7 4H 19.4 6H 19.8 8H 19.8 4H 19.8 4H 19.8 4H 19.8	Y 2H 18.1 18.8 3H 18.7 19.3 4H 18.9 19.5 6H 19.1 19.6 8H 19.1 19.6 2H 18.3 18.9 3H 19.0 19.5 19.6 19.8 4H 19.4 19.8 6H 19.7 20.0 4H 19.4 19.8 6H 19.8 20.1 12H 19.8 20.1 12H 19.8 20.1 4H 19.8 20.1 12H 19.8 20.1 4H 19.8 20.1 4H 19.8 20.1 4H 19.7 20.0	Y 2H 18.1 18.8 18.3 3H 18.7 19.3 18.9 4H 18.9 19.5 19.2 6H 19.1 19.6 19.4 12H 19.1 19.6 19.4 2H 18.3 18.9 18.6 3H 19.0 19.5 19.3 4H 19.4 19.8 19.7 6H 19.6 20.0 20.1 12H 19.7 20.0 20.1 4H 19.4 19.8 19.7 8H 19.8 20.1 20.2 4H 19.8 20.1 20.3 4H 19.7 20.0 20.2	Y 2H 18.1 18.8 18.3 19.0 3H 18.7 19.3 18.9 19.5 4H 18.9 19.5 19.2 19.7 6H 19.1 19.6 19.4 19.9 12H 19.0 19.5 19.3 19.8 14H 19.4 19.8 19.7 20.1 20.4 12H 19.7 20.0 20.1 20.4 12H 19.8 20.1 20.2 20.5 12H 19.8 20.1 20.3 20.5 12H 19.8 20.1 20.3 20.5 14H 19.4 19.7 19.8 20.1 14H 19.7 20.0 20.2 20.4	Y 2H 18.1 18.8 18.9 19.5 19.7 4H 18.9 19.5 19.2 19.7 20.0 6H 19.1 19.6 19.4 19.9 20.1 12H 19.1 19.6 19.4 19.9 20.2 2H 18.3 18.9 18.6 19.1 19.3 3H 19.0 19.5 19.4 19.9 20.2 2H 18.3 18.9 18.6 19.1 19.3 3H 19.0 19.5 19.3 19.8 20.1 4H 19.4 19.8 19.7 20.1 20.4 4H 19.4 19.8 19.7 20.1 20.4 2H 19.7 20.0 20.1 20.4 20.8 4H 19.7 20.0 20.1 20.4 20.8 4H 19.8 20.1 20.2 20.5 20.9 8H 19.8 20.1 20.3 20.5 21.0 4H 19.7 20.0 20.2 20.5 20.9 8H 19.8 20.1 20.3 20.5 21.0 4H 19.8 20.1 20.3 20.5 21.0	Y 2H 18.1 18.8 18.3 19.0 19.2 18.1 3H 18.7 19.3 18.9 19.5 19.7 18.7 4H 18.9 19.5 19.2 19.7 20.0 18.9 6H 19.1 19.6 19.4 19.9 20.1 19.1 12H 19.1 19.6 19.4 19.9 20.2 19.1 12H 19.0 19.5 19.3 19.8 20.1 19.0 18.3 18.9 18.6 19.1 19.3 18.3 18.9 19.0 20.0 20.3 20.7 19.6 18.9 19.0 20.0 20.3 20.7 19.6 18.9 20.0 20.1 20.4 20.8 19.7 12H 19.7 20.0 20.1 20.4 20.8 19.7 12H 19.7 20.0 20.1 20.4 20.8 19.7 12H 19.8 20.1 20.2 20.5 20.9 19.8 12H 19.8 20.1 20.3 20.5 21.0 19.8 14H 19.4 19.7 19.8 20.1 20.5 19.4 16H 19.7 20.0 20.2 20.4 20.9 19.8	Y 2H 18.1 18.8 18.3 19.0 19.2 18.1 18.9 3H 18.7 19.3 18.9 19.5 19.7 18.7 19.3 4H 18.9 19.5 19.2 19.7 20.0 18.9 19.5 6H 19.1 19.6 19.4 19.9 20.1 19.1 19.7 12H 19.1 19.6 19.4 19.9 20.2 19.1 19.7 12H 19.1 19.6 19.4 19.9 20.2 19.1 19.7 12H 19.1 19.6 19.4 19.9 20.2 19.1 19.6 2H 18.3 18.9 18.6 19.1 19.3 18.3 18.9 3H 19.0 19.5 19.3 19.8 20.1 19.0 19.5 4H 19.4 19.8 19.7 20.1 20.4 19.4 19.8 6H 19.7 20.0 20.1 20.4 20.8 19.7 20.0 12H 19.7 20.0 20.1 20.4 20.8 19.7 20.0 12H 19.8 20.1 20.2 20.5 20.9 19.8 20.1 12H 19.8 20.1 20.2 20.5 20.9 19.8 20.1 12H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 12H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 14H 19.4 19.7 19.8 20.1 20.5 19.4 19.8 19.7 20.0 20.2 20.4 20.9 19.8 20.1 14H 19.4 19.7 19.8 20.1 20.5 19.4 19.8 15H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 15H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 15H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 16H 19.7 20.0 20.2 20.4 20.9 19.8 20.1	Y 2H 18.1 18.8 18.3 19.0 19.2 18.1 18.9 18.4 3H 18.7 19.3 18.9 19.5 19.7 18.7 19.3 18.9 4H 18.9 19.5 19.2 19.7 20.0 18.9 19.5 19.2 6H 19.1 19.6 19.4 19.9 20.1 19.1 19.7 19.4 8H 19.1 19.6 19.4 19.9 20.2 19.1 19.6 19.4 19.1 19.6 19.4 19.9 20.2 19.1 19.6 19.4 19.1 19.5 19.3 18.8 20.1 19.0 19.5 19.3 4H 19.4 19.8 19.7 20.1 20.4 19.9 19.5 19.3 4H 19.4 19.8 19.7 20.1 20.4 19.9 19.5 19.3 4H 19.7 20.0 20.1 20.4 20.8 19.7 20.0 20.1 12H 19.7 20.0 20.1 20.4 20.8 19.7 20.0 20.1 12H 19.8 20.1 20.4 20.8 19.7 20.0 20.1 12H 19.8 20.1 20.3 20.5 19.8 20.1 20.3 4H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 20.3 4H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 20.3 4H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 20.3 4H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 20.3 4H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 20.3 4H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 20.3 4H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 20.3 4H 19.4 19.8 20.1 20.3 20.5 21.0 19.8 20.1 20.3	Y 2H 18.1 18.8 18.3 19.0 19.2 18.1 18.9 18.4 19.0 3H 18.7 19.3 18.9 19.5 19.7 18.7 19.3 18.9 19.5 4H 18.9 19.5 19.2 19.7 20.0 18.9 19.5 19.2 19.8 6H 19.1 19.6 19.4 19.9 20.1 19.1 19.7 19.4 19.9 12H 19.1 19.6 19.4 19.9 20.2 19.1 19.7 19.4 19.9 12H 19.1 19.6 19.4 19.9 20.2 19.1 19.6 19.4 19.9 12H 19.1 19.6 19.4 19.9 20.2 19.1 19.6 19.4 19.9 12H 19.1 19.6 19.4 19.9 20.2 19.1 19.6 19.4 19.9 12H 19.1 19.6 19.4 19.9 20.2 19.1 19.6 19.4 19.9 12H 19.1 19.6 19.4 19.9 20.2 19.1 19.6 19.4 19.9 12H 19.1 20.0 20.1 20.1 20.4 19.4 19.8 19.7 20.1 13H 19.0 19.5 19.3 19.8 20.1 19.0 19.5 19.3 19.8 14H 19.4 19.8 19.7 20.1 20.4 19.4 19.8 19.7 20.1 12H 19.7 20.0 20.1 20.4 20.8 19.7 20.0 20.1 20.4 12H 19.8 20.1 20.2 20.5 20.9 19.8 20.1 20.2 20.5 12H 19.8 20.1 20.3 20.5 21.0 19.8 20.1 20.3 20.5 14H 19.4 19.8 19.8 20.1 20.5 21.0 19.8 20.1 20.3 20.5 14H 19.4 19.7 19.8 20.1 20.5 19.4 19.8 19.8 20.1 12H 19.7 20.0 20.2 20.4 20.9 19.8 20.1 20.3 20.5 14H 19.4 19.7 19.8 20.1 20.5 19.4 19.8 19.8 20.1 12H 19.7 20.0 20.2 20.4 20.9 19.8 20.1 20.3 20.5 14H 19.4 19.7 20.0 20.2 20.5 21.0 19.8 20.1 20.3 20.5 14H 19.7 20.0 20.2 20.2 20.5 19.4 19.8 19.8 20.1