

Last information update: May 2025

**Product configuration: QY91.00**

QY91.00: LED STICK with screen for Superrail 48V track - L 150 - 3.8W 216lm - 3000K - CRI 90 - Indeterminate

**Product code**

QY91.00: LED STICK with screen for Superrail 48V track - L 150 - 3.8W 216lm - 3000K - CRI 90 - Indeterminate

**Technical description**

Linear lighting product with polycarbonate screen - with white monochrome LEDs - complete with adapter for installation on a Superrail LV track. The adapter made of a thermoplastic material includes the DC/DC driver circuit with a DALI dimmable function. Integrated «power line» technology allows each light module on the track to be adjusted separately. Main body made of extruded aluminium. A rapid tool-free system for connecting the adapter electrically and mechanically to the track.

**Installation**

Mechanical fastening with adapter on track.

**Colour**

White (01) | Black (04)

**Weight (Kg)**

0.16

**Mounting**

Low voltage track

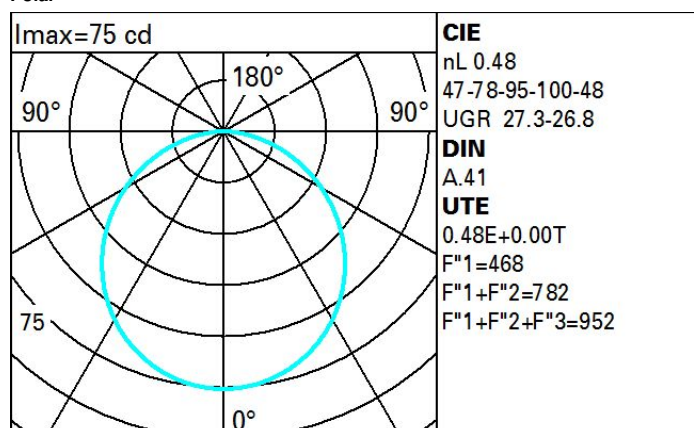
**Wiring**

Integrated DC/DC LED driver in adapter - direct connection on 48V track. Track power supply unit to be ordered separately.

Complies with EN60598-1 and pertinent regulations

**Technical data**

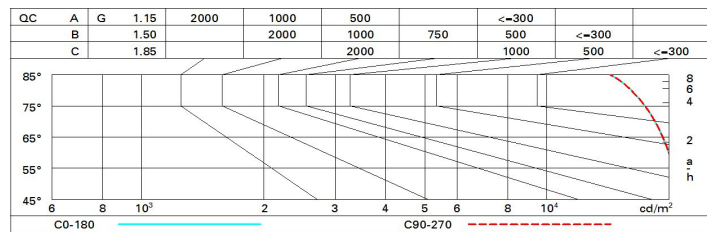
Im system:	216	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	3.8	Lamp code:	LED
Im source:	450	Number of lamps for optical assembly:	1
W source:	2.9	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	56.8	Number of optical assemblies:	1
Im in emergency mode:	-	LED current [mA]:	88
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	48	Minimum dimming %:	5
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	DALI
MacAdam Step:	3		

**Polar**

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	31	26	23	20	26	22	22	19	39
1.0	35	30	26	24	29	26	25	22	46
1.5	40	36	32	30	35	32	31	28	59
2.0	42	39	37	34	38	36	35	32	68
2.5	44	42	39	37	41	39	38	35	73
3.0	46	43	41	39	42	40	40	37	78
4.0	47	45	44	42	44	43	42	40	83
5.0	48	46	45	44	45	44	43	41	86

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 450 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	23.2	24.4	23.5	24.7	24.9	23.2	24.4	23.5	24.7	24.9
	3H	24.8	25.9	25.2	26.2	26.5	23.7	24.8	24.1	25.1	25.4
	4H	25.4	26.4	25.8	26.8	27.1	23.9	24.9	24.3	25.2	25.5
	6H	26.0	26.9	26.3	27.2	27.6	24.0	24.9	24.4	25.2	25.6
	8H	26.1	27.0	26.5	27.4	27.7	24.0	24.9	24.4	25.2	25.6
	12H	26.3	27.1	26.6	27.5	27.8	24.0	24.8	24.4	25.2	25.6
4H	2H	23.9	24.9	24.3	25.2	25.5	25.4	26.4	25.8	26.8	27.1
	3H	25.7	26.5	26.1	26.9	27.3	26.1	27.0	26.5	27.4	27.7
	4H	26.4	27.2	26.9	27.6	28.0	26.4	27.2	26.9	27.6	28.0
	6H	27.1	27.8	27.5	28.2	28.6	26.7	27.4	27.1	27.8	28.2
	8H	27.3	27.9	27.8	28.3	28.8	26.8	27.4	27.2	27.8	28.2
	12H	27.5	28.0	27.9	28.5	28.9	26.8	27.3	27.2	27.8	28.2
8H	4H	26.8	27.4	27.2	27.8	28.2	27.3	27.9	27.8	28.3	28.8
	6H	27.5	28.0	28.0	28.5	29.0	27.7	28.2	28.2	28.7	29.1
	8H	27.8	28.3	28.3	28.8	29.3	27.8	28.3	28.3	28.8	29.3
	12H	28.1	28.5	28.6	29.0	29.5	27.9	28.3	28.5	28.8	29.3
12H	4H	26.8	27.3	27.2	27.8	28.2	27.5	28.0	27.9	28.5	28.9
	6H	27.6	28.0	28.1	28.5	29.0	27.9	28.3	28.4	28.8	29.3
	8H	27.9	28.3	28.5	28.8	29.3	28.1	28.5	28.6	29.0	29.5
Variations with the observer position at spacing:											
S =		1.0H					0.1 / -0.1				
		1.5H					0.2 / -0.3				
		2.0H					0.3 / -0.5				