



IP65

IK04/IK08

**STARK 4  
MAIN SPECIFICATIONS**

<b>Applications</b>	Industrial lighting
<b>Optics</b>	<b>CN:</b> Concentrated; <b>WN:</b> Wide; <b>ON:</b> Asymmetric; <b>CG:</b> Concentrated + Glass; <b>WG:</b> Wide + Glass; <b>OG:</b> Asymmetric + Glass
<b>Colour temperature</b>	<b>1:</b> Cold White 5.500K; <b>2:</b> Warm White 3.000K; <b>8:</b> Neutral White 4.000K
<b>CRI and colour difference (SDCM)</b>	Min. > 80, 90 upon request (LED type: <b>B</b> ) Color difference among several devices: Max. 3 step MacAdam
<b>Photobiological compliance</b>	Exempt Group
<b>Energy efficiency class</b>	A++
<b>Insulation class</b>	Class I
<b>Protection rating</b>	IP65, IK04 (IK08 with protective glass)
<b>Cable harness</b>	Removable, no tools needed
<b>Dimensions</b>	621x322 mm
<b>Weight</b>	5 Kg

**ELECTRICAL SPECIFICATIONS**

<b>Rated voltage</b>	220-240 V 50/60 Hz; 120-277V 50/60Hz upon request
<b>Power factor</b>	> 0.9 (full load)
<b>Control technology</b>	Optional power supplies with DALI interface
<b>Connection</b>	Cable with terminal bare wires
<b>Operating temperature</b>	-20°C +40°C
<b>Life expectancy (T<sub>a</sub> -10°C to 45°C)</b>	L80 B10 > 100.000 hr

**MATERIALS**

<b>Mounting</b>	Steel brackets; optional accessories upon request
<b>Heatsink</b>	Die-cast painted aluminum
<b>Frame</b>	Die-cast painted aluminum; RAL 9003 coating
<b>Optic</b>	PMMA high efficiency
<b>Screen</b>	Glass screen upon request

**ACCESSORIES**

<b>Mounting accessories</b>	Accessories available for 1,2,4 hanging points.
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**INPUT POWER AND FLUX\***

(T<sub>amb</sub>=25°C, T<sub>l</sub>=85°C, T<sub>c</sub>=4000K)

<b>Stark 4 0</b>	120 W	20,160 lm
<b>Stark 4 1</b>	134 W	22,365 lm
<b>Stark 4 2</b>	168 W *	27,670 lm
<b>Stark 4 3</b>	204 W *	32,722 lm

\* Values shown represent effective output flux. These values may differ from the LEDs nominal flux.

\* Requires 2 DALI addresses

Versions with protective glass require the flux value to be multiplied per 0.95

**EMERGENCY KIT**

Stand-alone security device for permanent lighting of "escape routes", "large areas" and "enhanced lighting" EN 1838 compliant

Instant operations

1 h e 3 h single battery systems

750 lumen output

Self-diagnostic system (MAT2) available

DALI remote control (MAT3) available

**CODING**

product code	LED colour	LED type	optic type	finishing	options	model code
<b>ST4</b>	<b>1</b>	<b>A</b>	<b>WN</b>	<b>10</b>	<b>0</b> (none)	<b>0</b>
	<b>2</b>	<b>B</b>	<b>CN</b>		<b>D</b> (DALI)	<b>1</b>
	<b>8</b>		<b>ON</b>		<b>E</b> (Emerg)	<b>2</b>
			<b>WG</b>		<b>C</b> (D+E)	<b>3</b>
		<b>CG</b>		<b>W</b> (Wireless)		
		<b>OG</b>		<b>X</b> (W+E)		

Product specifications may vary at any time and will be confirmed at time of order. Values shown are calculated with +/- 5% tolerance.