

## (1) EU - Type Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**
- (3) EU - Type Examination Certificate Number

**EPS 15 ATEX 1 991**

**Revision 1**

- (4) Equipment: LED Floodlight Type 6525
- (5) Manufacturer: R. STAHL Schaltgeräte GmbH
- (6) Address: Am Bahnhof 30  
74638 Waldenburg  
Germany
- (7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.
- (8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 14TH0441.
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

**EN IEC 60079-0:2018**

**EN 60079-1:2014**

**EN IEC 60079-7:2015+A1:2018**

**EN IEC 60079-15:2019**

**EN 60079-28:2015**

**EN 60079-31:2014**

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.
- (11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.
- (12) The marking of the equipment shall include the following:

II 3G Ex nR IIC T6...T5 Gc (Type 6525/11...)

II 3G Ex nR IIC T6...T4 Gc (Type 6525/21...)

II 3G Ex db ec IIC T4 Gc (Type 6525/22...)

II 2D Ex tb op is IIIC T80°C...T100°C Db (all Types)



Certification department of explosion protection

H. Schaffer

Hamburg, 2020-07-16

(13)

## Annex

(14) EU - Type Examination Certificate EPS 15 ATEX 1 991

Revision 1

(15) Description of equipment:

The LED Floodlight series 6525 is an explosion-proof electrical luminaire with LED Lamps. They are suitable for illumination of operating and storage facilities in hazardous areas for use in Equipment Protection Level Gc, Db and Dc.

Type designation:

6525	/	*	*	*	*	-	*	*	*	*	_****_***
a		b	c	d	e		f	g	h	i	j

- a Type series
- b Generation  
1 – 1.  
2 – 2.
- c Ex - Protection  
1 – nR  
2 – ec
- d Size in Height  
1 – 600  
2 – 520
- e Light Distribution  
1 – 20°  
2 – 40°  
4 – 120°
- f Wattage  
1 – 100W  
2 – 120W  
3 – 160W  
4 – 210W/190W  
5 – 225W
- g LED - Driver  
1 – 1x OT 150  
2 – 2x OT 150  
3 – 1x OT 165  
4 – 2x OT 165  
5 – 6040  
6 – 6040 with DALI  
7 – Inventronics
- h Control gear assembly  
\* – without reference to explosion-protection
- i Thermal protection  
0 – without  
1 – with
- j additional information without reference to explosion-protection



**BUREAU  
VERITAS**



Ambient temperature and temperature classification:

Version	Power LED control gear (if different)	Ambient Temperature	Temperature Class	Maximum Surface Temperature	Special requirements to operating temperature for loop in loop out		
					0A < I ≤ 10A		10A < I ≤ 16A
					to cables	to cables	to cable glands
6525/11... Ex nR Ex tb op is	120 W / 210 W	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T5	+95°C	---	---	---
	120 W	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	T6	+80°C	---	---	---
	210 W	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$	T6	+80°C	---	---	---
6525/21... Ex nR Ex tb op is	100 W EUD-150S EUD-200S EUD-240S	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T6 <sup>2)</sup> / T5	+80°C	≥75°C	≥90°C	≥80°C
		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	T6	+80°C	---	---	---
	100 W 6040	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T4	+100°C	≥75°C	≥95°C	≥85°C
		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	T6	+80°C	---	≥85°C	≥75°C
	160 W / 120 W EUD-200S EUD-240S 6040	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T5	+100°C	≥70°C	≥100°C	≥85°C
		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$		+100°C	---	≥90°C	≥80°C
	225 W / 190 W EUD-240S	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T5	+100°C	≥85°C <sup>3)</sup>	≥110°C <sup>4)</sup>	≥95°C
	225 W / 190 W 6040	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T4	+100°C	≥75°C	≥95°C	≥85°C
		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$		+100°C	---	≥85°C	≥80°C
	6525/22... Ex db ec Ex tb op is	100 W	$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	T4	+100°C	---	≥95°C
$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$			+100°C		---	≥85°C	≥75°C
160 W		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	+100°C		≥70°C	≥100°C	≥85°C
		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	+100°C		---	≥90°C	≥80°C
225 W		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$	+100°C		≥75°C	≥95°C	≥85°C
		$-60^{\circ}\text{C}^{1)} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$	+100°C		---	≥85°C	≥80°C

1) Lamp start at  $T_a \geq -40^{\circ}\text{C}$

2) If the luminaire not mounted with control gear upwards with through wiring  $I \leq 10\text{ A}$

3) Cable gland with permissible service temperature of  $\geq 80^{\circ}\text{C}$  required

4) For ambient temperatures  $\leq 45^{\circ}\text{C}$ , cables with a permitted service temperature of  $95^{\circ}\text{C}$  can be used



(16) Reference number: 14TH0441

(17) Special conditions for safe use:

None

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Hamburg, 2020-07-16



H. Schaffer