

VIZLITE DT HELMET STICKERS

DESCRIPTION

VizLite® DT helmet stickers absorb UV light energy which emits a glow in low light and dark conditions.
Suitable for applying onto Centurion ABS helmets.

HELMET STICKER INFORMATION

Description	Vizlite® DT PSA helmet stickers
Colour	Pale Yellow / Green
Helmet Compatibility	Centurion Concept, Nexus, Spectrum and Vision Plus helmets
Product Code	9020000 (Old code: S30VLS)
Pack Quantity	5 sheets per pack (1 sheet per helmet)



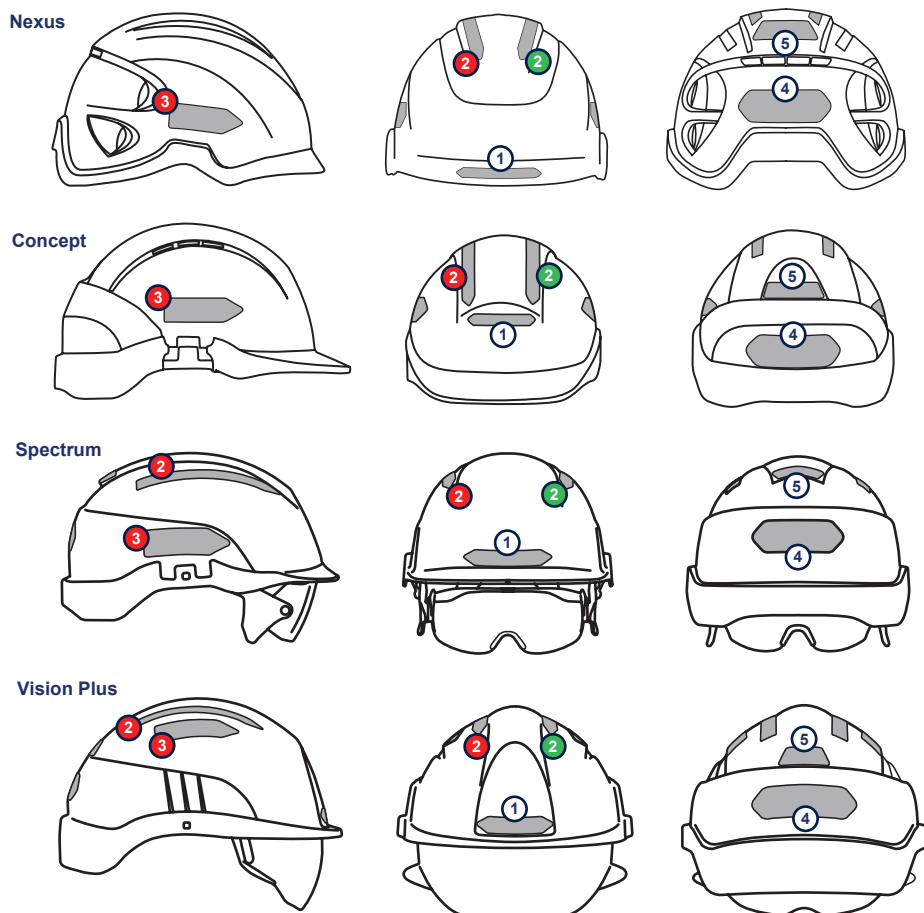
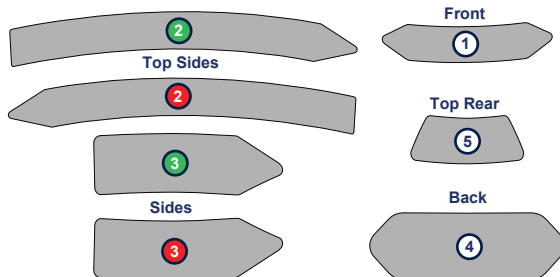
STICKER PLACEMENT

Applying the VizLite® DT stickers to Centurion helmets:

1. Match the numbered stickers in the diagram to the stickers in the pack
2. Place the stickers on the helmet in the positions shown

Position on Helmet	Identification
Front	1
Top Right Side When Worn	2
Top Left Side When Worn	2
Right Side When Worn	3
Left Side When Worn	3
Back	4
Top Rear	5

Position ● Left Side (when worn) ● Right Side (when worn)



MATERIALS SPECIFICATION

Material	VizLite® DT PSA material consists of a patent pending formulation of Strontium Nitrate Photoluminescent pigment incorporated into a PU adhesive. The Strontium Nitrate Photoluminescent material absorbs both natural and artificial UV light through electron excitation, which it then emits as an afterglow in low light or zero light. This afterglow will last up to 8 hours, with the first hour being the brightest. Each time the VizLite® DT PSA material is exposed to UV light it will recharge.
Thickness	0.2-0.22mm
Adhesive	White, permanent pressure sensitive
Application temperature	10°C to 38°C
Charge and Lux intensity	UV light charging times vary depending on the type of light but typically a charge in overhead fluorescent light will take ten minutes. The below chart shows the different charging times for VizLite® DT PSA depending on the light conditions. The light intensity is measured in Lux which is the number of Lumens per square metre.

Light Source	Light Intensity (Lux)	Charging Time
Clear sunlight	>50,000	5 minutes
Cloudy	3,000 - 50,000	5 minutes
Dusk	1,000	8 minutes
Flourescent Office Lights	500	10 minutes

ISO INTERNATIONAL STANDARD:

Standard	Vizlite® DT PSA Photo luminescent material is tested by VTEC laboratories, New York to the following standard: ISO 17398:2004 'Safety Colours and Safety Signs - Classification, Performance and Durability of Safety Signs' Clause 7.11
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Sub Class	(mcd/m ²) at decaytime (mins)			
	2 minutes	10 minutes	30 minutes	60 minutes
A	108	23	7	3
B	210	0	15	7
C	690	140	45	20
D	1,100	260	85	35

(mcd/m ²) at decaytime (mins)			
2 minutes	10 minutes	30 minutes	60 minutes
1992	416	117	50

VizLite® DT is classified as **D** as per ISO 17398:2004 5.5

Average measurements taken from 3 samples of Vizlite® DT

PACKAGING AND MAINTENANCE

Packaging	5 sheets per pack (1 sheet per helmet): weight: 65g, dimensions: 188.5mm x 110mm x 10mm
Outer Packaging	Outer Box 120 packs: weight: 8kg, dimensions: 230cm x 210cm x 190cm
Storage	Should be stored and transported flat in their original packaging at ambient temperature (0°C to +30°C). May be stored in the dark for up to 5 years and in an area that is cool, dry and with low humidity. Precautions should be taken to protect the material from coming into contact with perspiration, strong acids, or compounds containing high levels of sulphur or chlorine. Contamination of these substances may affect the aesthetic appearance of the VizLite® DT PSA material.
Shelf Life	The shelf life of the adhesive (prior to application to helmet) is 1 year.
Cleaning	Ensure helmet is clean, dry and smooth prior to applying the Vizlite® DT material. Clean the material using warm soapy water and a soft cloth.
Disposal	Recycling of the helmet is preferred when possible. The Vizlite® DT PSA material can be incinerated in a commercial or industrial facility or sent to a landfill site.