

# PERUN T5



... stainless, dustproof, waterproof and chemically resistant.

## USE

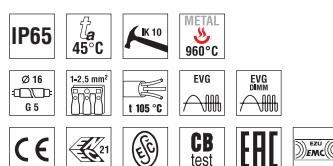
The light fitting is suitable for industrial outdoor and indoor roofed spaces, warehouses, garages, workshops, sports areas, transport terminals, utility structures, agricultural operations and laboratories without a danger of explosion of gases, dust and combustible fumes.

The light fitting is resistant to deformation, dust, spouting water and chemically aggressive environment.

Characteristics of the used tempered glass and its shattering power are controlled by the ČSN EN 12150-1 standard. For applications where spontaneous fracture means a higher safety risk, we recommend to use the version with safety film (SF).

## ADVANTAGES

- Light fitting protection **IP65**
- Maximum ambient temperature  **$t_a = 45^\circ\text{C}$**
- Diffuser: tempered glass with high mechanical resistance
- Clips: stainless steel
- Up to 10 % lower electricity consumption when compared to electronic ballast T8
- Up to 40 % lower electricity consumption when compared to inductive ballast T8
- Up to 80 % lower electricity consumption in DALI, DIM version when compared to inductive ballast T8
- Up to 14 % higher luminous efficiency when compared to fluorescent light fittings T8
- Maximum luminous flux of the light fitting T5 is achieved at  $35^\circ\text{C}$  (T8 at  $25^\circ\text{C}$ )
- It can be delivered in dimmable or emergency version
- Certification: ESČ, ENEC, CB and EAC



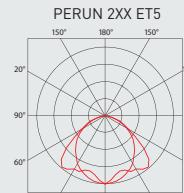
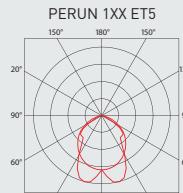
## PERUN T5



## TECHNICAL DESCRIPTION

- Diffuser: tempered glass with wire cords for suspension at assembly
- Body: stainless sheet
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: stainless
- Sealing: silicon, at light fitting body
- Cable glands: PG13.5 brass with surface treatment
- Terminal block: screwless, three-pole (basic version)

- Installation: package contains stainless lugs, stainless washers and rubber distance washers
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP65
- Maximum ambient temperature  $t_a = 45^\circ\text{C}$



Code	Type	Light sources [W]	Luminous flux [lm]*	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Diffuser made of tempered glass - electronic ballast HE (effective line) - T5/G5							
45510	PERUN 114 ET5	1x14	1350*	60	2.8	705	485
45520	PERUN 128 ET5	1x28	2900*	60	4.9	1305	1095
45530	PERUN 135 ET5	1x35	3650*	60	6.4	1605	1395
45540	PERUN 214 ET5	2x14	2700*	70	4.7	705	485
45550	PERUN 228 ET5	2x28	5800*	70	6.8	1305	1095
45560	PERUN 235 ET5	2x35	7300*	70	7.1	1605	1395
Diffuser made of tempered glass - electronic ballast HO (performance line) - T5/G5							
45515	PERUN 124 ET5	1x24	2000*	60	2.8	705	485
45525	PERUN 154 ET5	1x54	5000*	60	4.9	1305	1095
45575	PERUN 149 ET5	1x49	4900*	60	6.4	1605	1395
45535	PERUN 180 ET5	1x80	7000*	60	6.5	1605	1395
45545	PERUN 224 ET5	2x24	4000*	70	4.7	705	485
45555	PERUN 254 ET5	2x54	10000*	70	6.8	1305	1095
45585	PERUN 249 ET5	2x49	9800*	70	7.1	1605	1395
45565	PERUN 280 ET5	2x80	14000*	70	7.2	1605	1395

\* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35°C

## PERUN T5

Diffuser made of tempered glass, electronic ballast T5, stainless clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
45510	PERUN 114 ET5	x	x	x	x	x	x
45520	PERUN 128 ET5	45522	45502	45528	x	45508	x
45530	PERUN 135 ET5	45532	45512	45538	x	45518	x
45540	PERUN 214 ET5	x	x	45548	x	x	x
45550	PERUN 228 ET5	45552	45582	45558	x	45588	x
45560	PERUN 235 ET5	45562	45592	45568	x	45598	x
45515	PERUN 124 ET5	x	x	x	x	x	x
45525	PERUN 154 ET5	45526	45506	45524	x	45504	x
45575	PERUN 149 ET5	45546	45946	45544	x	45984	x
45535	PERUN 180 ET5	45536	45516	45534	x	45514	x
45545	PERUN 224 ET5	x	x	45954	x	x	x
45555	PERUN 254 ET5	45556	45586	45554	x	45584	x
45585	PERUN 249 ET5	45576	45976	45574	x	45994	x
45565	PERUN 280 ET5	45566	45596	45564	x	45594	x

Example of type marking: 45594 = PERUN 280 **3F M1h** ET5

## PERUN T5 ER DIM

Code	Type
45527	PERUN 128 ERT5 DIM
45537	PERUN 135 ERT5 DIM
45557	PERUN 228 ERT5 DIM
45567	PERUN 235 ERT5 DIM
45523	PERUN 154 ERT5 DIM
45543	PERUN 149 ERT5 DIM
45533	PERUN 180 ERT5 DIM
45553	PERUN 254 ERT5 DIM
45573	PERUN 249 ERT5 DIM
45563	PERUN 280 ERT5 DIM

Diffuser made of tempered glass,  
electronic analogue dimmable ballast T5 DIM 1-10 V, stainless clips

1F	3F	M1h	M3h	3F M1h	3F M3h
45927	45507	45928	x	45908	x
45937	45517	45938	x	45918	x
45957	45587	45958	x	45988	x
45967	45597	45968	x	45998	x
45923	45503	45724	x	45704	x
45903	45983	45744	x	45904	x
45933	45513	45734	x	45714	x
45953	45583	45754	x	45784	x
45913	45993	45774	x	45914	x
45963	45593	45764	x	45794	x

## PERUN T5 ER DALI

Code	Type
45727	PERUN 128 ERT5 DALI
45737	PERUN 135 ERT5 DALI
45757	PERUN 228 ERT5 DALI
45767	PERUN 235 ERT5 DALI
45723	PERUN 154 ERT5 DALI
45743	PERUN 149 ERT5 DALI
45733	PERUN 180 ERT5 DALI
45753	PERUN 254 ERT5 DALI
45773	PERUN 249 ERT5 DALI
45763	PERUN 280 ERT5 DALI

Diffuser made of tempered glass,  
electronic digital dimmable ballast T5 DALI, stainless clips

1F	3F	M1h	M3h	3F M1h	3F M3h
45907	45707	45728	x	45708	x
45917	45717	45738	x	45718	x
45987	45787	45758	x	45788	x
45997	45797	45768	x	45798	x
45803	45703	45824	x	45804	x
45943	45843	45844	x	45944	x
45813	45713	45834	x	45814	x
45883	45783	45854	x	45884	x
45973	45873	45874	x	45974	x
45893	45793	45864	x	45894	x

Example of type marking: 45894 = PERUN 280 **3F M1h** ERT5 DALI

## MADE-TO-ORDER VERSION

\* we can also deliver made-to-order light fittings equipped with back-up source for emergency (non-maintained) illumination

## PERUN T5 NM1h

Diffuser made of tempered glass,  
emergency back-up source - 1 hour for emergency (non-maintained) illumination, stainless clips

## PERUN T5 NM3h

Diffuser made of tempered glass,  
emergency back-up source - 3 hours for emergency (non-maintained) illumination, stainless clips

## LEGEND

**DALI** – version with current feed with DALI interface- digitally controlled by DALI protocol

**DIM** – version with electronic analogue dimmable ballast 1-10 V

**1F** – 1 phase wiring cables for through-wiring

**3F** – 3 phase wiring cables for through-wiring

**M1h** – emergency back-up source with operating time of 1 hour (SA) for both permanent and emergency illumination

**M3h** – emergency back-up source with operating time of 3 hours (SA) for both permanent and emergency illumination

**NM1h** – emergency back-up source with operating time of 1 hour (SE) for emergency (non-maintained) illumination

**NM3h** – emergency back-up source with operating time of 3 hours (SE) for emergency (non-maintained) illumination

Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

## LIGHT FITTING ATTACHMENT

a) Suspension with the use of stainless lugs and wire cords to a ceiling

b) Directly to a ceiling or a wall with the use of screws, stainless and rubber distance washers



## LIGHT FITTING DETAILED VIEW

## PERUN T5



## PERUN T5 SF



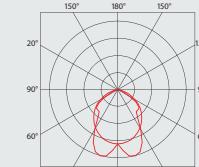
## TECHNICAL DESCRIPTION

- Diffuser: tempered glass with safety film (SF) and wire cords for suspension at assembly
- Body: stainless sheet
- Reflector: steel sheet, white colour (RAL 9003)
- Clips: stainless
- Sealing: silicon, at light fitting body
- Cable glands: PG13.5 brass with surface treatment
- Terminal block: screwless, three-pole (basic version)

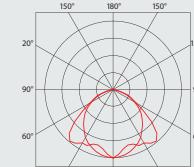
- Installation: package contains stainless lugs, stainless washers and rubber distance washers
- Electric equipment: electronic ballast T5; T5 intelligent; T5 DALI or T5 DIM
- Light fitting protection: IP65
- Maximum ambient temperature  $t_a = 45^\circ\text{C}$



PERUN 1XX SF ET5



PERUN 2XX SF ET5



Code	Type	Light sources [W]	Luminous flux [lm]*	Light fitting efficiency [%]	Net weight [kg]	A [mm]	D [mm]
Diffuser made of tempered glass with safety film (SF) - electronic ballast HE (effective line) - T5/G5							
49510	PERUN 114 SF ET5	1x14	1350*	60	2.8	705	485
49520	PERUN 128 SF ET5	1x28	2900*	60	4.9	1305	1095
49530	PERUN 135 SF ET5	1x35	3650*	60	6.4	1605	1395
49540	PERUN 214 SF ET5	2x14	2700*	70	4.7	705	485
49550	PERUN 228 SF ET5	2x28	5800*	70	6.8	1305	1095
49560	PERUN 235 SF ET5	2x35	7300*	70	7.1	1605	1395
Diffuser made of tempered glass with safety film (SF) - electronic ballast HO (performance line) - T5/G5							
49515	PERUN 124 SF ET5	1x24	2000*	60	2.8	705	485
49525	PERUN 154 SF ET5	1x54	5000*	60	4.9	1305	1095
49575	PERUN 149 SF ET5	1x49	4900*	60	6.4	1605	1395
49535	PERUN 180 SF ET5	1x80	7000*	60	6.5	1605	1395
49545	PERUN 224 SF ET5	2x24	4000*	70	4.7	705	485
49555	PERUN 254 SF ET5	2x54	10000*	70	6.8	1305	1095
49585	PERUN 249 SF ET5	2x49	9800*	70	7.1	1605	1395
49565	PERUN 280 SF ET5	2x80	14000*	70	7.2	1605	1395

\* - total luminous flux of the light fitting with T5/840 sources at the temperature of 35 °C

## PERUN T5 SF

Diffuser made of tempered glass with safety film (SF), electronic ballast T5, stainless clips

Code	Type	1F	3F	M1h	M3h	3F M1h	3F M3h
49510	PERUN 114 SF ET5	x	x	x	x	x	x
49520	PERUN 128 SF ET5	49522	49502	49528	x	49508	x
49530	PERUN 135 SF ET5	49532	49512	49538	x	49518	x
49540	PERUN 214 SF ET5	x	x	49548	x	x	x
49550	PERUN 228 SF ET5	49552	49582	49558	x	49588	x
49560	PERUN 235 SF ET5	49562	49592	49568	x	49598	x
49515	PERUN 124 SF ET5	x	x	x	x	x	x
49525	PERUN 154 SF ET5	49526	49506	49524	x	49504	x
49575	PERUN 149 SF ET5	49546	49646	49544	x	49644	x
49535	PERUN 180 SF ET5	49536	49516	49534	x	49514	x
49545	PERUN 224 SF ET5	x	x	49604	x	x	x
49555	PERUN 254 SF ET5	49556	49586	49554	x	49584	x
49585	PERUN 249 SF ET5	49576	49676	49574	x	49674	x
49565	PERUN 280 SF ET5	49566	49596	49564	x	49594	x

Example of type marking: 49594 = PERUN 280 SF **3F M1h** ET5

**PERUN T5 SF ER DIM**

<b>Code</b>	<b>Type</b>
49527	PERUN 128 SF ERT5 DIM
49537	PERUN 135 SF ERT5 DIM
49557	PERUN 228 SF ERT5 DIM
49567	PERUN 235 SF ERT5 DIM
49523	PERUN 154 SF ERT5 DIM
49543	PERUN 149 SF ERT5 DIM
49533	PERUN 180 SF ERT5 DIM
49553	PERUN 254 SF ERT5 DIM
49573	PERUN 249 SF ERT5 DIM
49563	PERUN 280 SF ERT5 DIM

Diffuser made of tempered glass with safety film (SF), electronic analogue dimmable ballast T5 DIM 1-10 V, stainless clips

<b>1F</b>	<b>3F</b>	<b>M1h</b>	<b>M3h</b>	<b>3F M1h</b>	<b>3F M3h</b>
49627	49507	49628	x	49608	x
49637	49517	49638	x	49618	x
49657	49587	49658	x	49688	x
49667	49597	49668	x	49698	x
49603	49503	49724	x	49704	x
49903	49643	49744	x	49904	x
49613	49513	49734	x	49714	x
49683	49583	49754	x	49784	x
49913	49673	49774	x	49914	x
49693	49593	49764	x	49794	x

**PERUN T5 SF ER DALI**

<b>Code</b>	<b>Type</b>
49727	PERUN 128 SF ERT5 DALI
49737	PERUN 135 SF ERT5 DALI
49757	PERUN 228 SF ERT5 DALI
49767	PERUN 235 SF ERT5 DALI
49723	PERUN 154 SF ERT5 DALI
49743	PERUN 149 SF ERT5 DALI
49733	PERUN 180 SF ERT5 DALI
49753	PERUN 254 SF ERT5 DALI
49773	PERUN 249 SF ERT5 DALI
49763	PERUN 280 SF ERT5 DALI

Diffuser made of tempered glass with safety film (SF), electronic digital dimmable ballast T5 DALI, stainless clips

<b>1F</b>	<b>3F</b>	<b>M1h</b>	<b>M3h</b>	<b>3F M1h</b>	<b>3F M3h</b>
49607	49707	49728	x	49708	x
49617	49717	49738	x	49718	x
49687	49787	49758	x	49788	x
49697	49797	49768	x	49798	x
49803	49703	49824	x	49804	x
49943	49843	49844	x	49944	x
49813	49713	49834	x	49814	x
49883	49783	49854	x	49884	x
49973	49873	49874	x	49974	x
49893	49793	49864	x	49894	x

Example of type marking: 49894 = PERUN 280 SF **3F M1h** ERT5 DALI

**MADE-TO-ORDER VERSION**

\* we can also deliver made-to-order light fittings equipped with back-up source for emergency (non-maintained) illumination

**PERUN T5 SF NM1h**

Diffuser made of tempered glass with safety film (SF),

emergency back-up source - 1 hour for emergency (non-maintained) illumination, stainless clips

**PERUN T5 SF NM3h**

Diffuser made of tempered glass with safety film (SF),

emergency back-up source - 3 hours for emergency (non-maintained) illumination, stainless clips

**LEGEND**

**SF** – safety film

**DALI** – version with current feed with DALI interface – digitally controlled by DALI protocol

**DIM** – version with electronic analogue dimmable ballast 1-10 V

**1F** – 1 phase wiring cables for through-wiring

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**NM1h** – emergency back-up source with operating time of 1 hour (SE) for emergency (non-maintained) illumination

**NM3h** – emergency back-up source with operating time of 3 hours (SE) for emergency (non-maintained) illumination

Batteries must be formatted before their putting into operation. Assembly instructions must be observed at installation.

**LIGHT FITTING ATTACHMENT**

a) Suspension with the use of stainless lugs and wire cords to a ceiling

b) Directly to a ceiling or a wall with the use of screws, stainless and rubber distance washers

**LIGHT FITTING DETAILED VIEW****PERUN T5 SF**