DTS115 · TRUNKING

DTS115 140 12500lm 83W 840I S60 GR

Symmetric 60° · 4000 K · IP40 · IK05 · Dark grey RAL 7016



APPLICATION

DTS115 COMBILINE is a modular continuous-row lighting system for warehouses, production facilities, retail areas and other large commercial and industrial spaces. A wide range of LEDIL optics, including narrow, wide, asymmetrical and low-glare distributions, allows the system to be configured for different applications, while luminaires can be easily repositioned or replaced without rebuilding the complete line. DTS115 offers high luminous efficacy and is available with different lumen packages, CCT and CRI options, as well as DALI, emergency lighting and sensor control. For dusty or demanding environments, it can also be supplied as a standalone IP65 luminaire.

12500 lm	83 W	151 lm/W	4000 K	≥80	IP40	IK05	100 000 h
SYSTEM FLUX	INPUT POWER	EFFICACY	CCT	CRI	INGRESS	IMPACT	L90B10

ELECTRICAL PARAMETERS

Nominal supply voltage	230 (220–240) V AC	Supply voltage range	220–240 V AC
Type of supply current	AC	Supply frequency	50 / 60 Hz
Rated input power	83W	Power factor (PF)	0.95
Driver efficiency at nominal load	0.92	Total harmonic distortion (THDi)	<10%
Protection class (electric shock)	I	Driver type	Integrated driver
Number of luminaires on MCB 16A type B	30		

PHOTOMETRIC PARAMETERS

Luminous flux — system	12500lm	Luminous flux — LED module	13889lm
Luminous efficacy — system	151lm/W	Correlated colour temperature (CCT)	4000 K
Colour rendering index Ra (CRI)	≥80	Init. CRI tolerance	±3
Light distribution type	Symmetric 60°	Luminaire beam spread	FWHM 62°, FWTM 92°
Optic type	PMMA LEDIL 2-row lens	Light output ratio (LOR)	0.88–0.92
Photobiological safety class	RG1	Flicker — Output PstLM / SVM	≤0.1 / ≤0.2
Colour consistency (SDCM)	< 3 MacAdam steps	Upward light output ratio (ULOR)	0
Luminous flux tolerance	±5 %		

CONSTRUCTION & MATERIALS

Luminaire type	Trunking luminaire	Light source type	LED
Light source replaceable	Yes	Cap / base type	Integrated
Housing material	Aluminium profile	Reflector material	N/A
Housing coating	Powder coating	Optic material	PMMA
Optical cover material	N/A	Housing colour (RAL)	Dark grey RAL 7016
Mounting type	Surface, suspended	Cutout size	N/A
Overall dimensions (H × W × L)	Length 1400 mm	Weight (net)	4.1 kg
Effective projected area	N/A	Windage projection area (side / below)	N/A
Number of light sources	2 pcs	Number of gear units	1 pcs

PROTECTION & ENVIRONMENT

IP rating — enclosure	IP40	Impact resistance class IK	IK05
Operating temperature range	-20 … +50 °C	Storage temperature range	-40…+65 °C
Glow-wire test	650 °C / 5 s	Relative humidity (max)	N/A

CONTROL & DIMMING

Dimmable	**No**	Control protocol / interface	**On/off**
Dimming range	**N/A**	Auto-dimming (chronoSTEP)	**No**
Built-in motion / presence sensor	**No**	Built-in daylight sensor	**No**
LED lumen maintenance compensation (CLO)	**No**	ZHAGA / NEMA socket compatibility	**N/A**

RELIABILITY & LIFETIME

Constant Light Output (CLO)	**No**	Light source lifetime	**100000 @ L90 B10 h**
Lumen maintenance @ 50 000 h	**Not determined**	Lumen maintenance @ 100 000 h	**L90 B10**
Control gear failure rate @ 50 000 h	**5 %**	Control gear failure rate @ 100 000 h	**<10 %**

CERTIFICATIONS

Warranty period	**5 years**	Maintenance access	**Opening with screw; LED modules replaceable by manufacturer only**
CE marking	**Yes**	ENEC mark	**No**
ENEC+ mark	**No**	UKCA marking	**Yes**
D4i certified (DALI)	**No**	EU RoHS compliant	**Yes**
Light source energy efficiency class	**Not determined**		

STANDARDS & SUSTAINABILITY

Applicable standard	**EN-IEC 62722-2-1**	ETIM Class	**Not determined**
D-Mark (EN 60598-2-24)	**Not determined**	Non-virgin material ratio	**Not determined**
Sustainability rating	**Not determined**	EAN / UPC	**Not determined**
Application areas	**Offices, schools, warehouses, public spaces, retail, hotels, residences and industrial facilities**		

Environmental data. Embedded carbon, recyclable content and sustainability ratings are provided per article where determined.

Documents. Photometric files (IES / LDT) and installation instructions are available at takton.ee.