DTS115 · TRUNKING

DTS115 140 11800lm 83W 840I DAS GR SR D4i

Double asymmetrical · 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.

11800 lm	83 W	142 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	**22**		

PHOTOMETRIC PARAMETERS

Luminous flux — system	**11800lm**	Luminous flux — LED module	**13111lm**
Luminous efficacy — system	**142lm/W**	Correlated colour temperature (CCT)	**4000 K**
Colour rendering index Ra (CRI)	**≥80**	Init. CRI tolerance	**±3**
Light distribution type	**Double asymmetrical**	Luminaire beam spread	**N/A**
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	**Yes**	Control protocol / interface	**DALI-2 / D4i**
Dimming range	**1–100 %**	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	**Sensor-ready D4i**

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)	**Yes**	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.