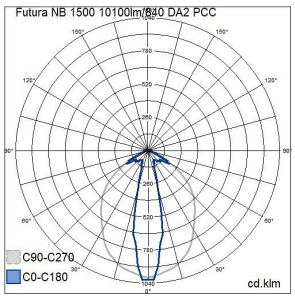
Futura NB

1500 IP66 IK10 10100lm/840 DA2

An energy-efficient lighting range for industrial facilities and warehouses. Ideal for high warehouses. Suitable for unheated and heated spaces. High impact strength, IK10. Wall brackets and lighting track brackets are available as accessories. The luminaires withstand being switched on and off regularly, which makes them suitable for use with motion detectors. Please also read about the other luminaires in the Futura range: Futura Abs, Futura PC and Futura Max.

Futura NB Sealed industrial luminaire 71W 4000K 10100lm Dim DALI-2; IP66; IK10; Protection cl. I; L70B50 100000h; LED not exchangeable; Lamp included; CRI>80; SDCM3; Through-wired; 5x2.5mm²; Housing Plastic; Colour gr; Cover Plastic, structured; C16 max. 16



1500 IP66 IK10 10100lm/840 DA2			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4338539	T3FUNF-DALI	3.9	Futura NB

Mounting	
Suitable for wall mounting	No
Suitable for suspended mounting	No
Suitable for ceiling mounting	Yes
Suitable for recessed mounting	No
Suitable for surface mounting	Yes
Suitable for light line configuration	No
Suitable for clamp-mounting	Yes
Fit for workplace acc. EN 12464-1	No
Degree of protection (IP)	IP66
Degree of protection (IP), rear side	Other
Degree of protection (IP), front side	IP66
Max. number of luminaires per miniature circuit breaker C10 (MCB)	10
Max. number of luminaires per miniature circuit breaker B16	10
Max. number of luminaires per miniature circuit breaker C16	16
Impact strength	IK10
Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24	Yes
Suitable for emergency lighting	No
Emergency function monitoring system	None
Type of wiring	Through-wired
Number of poles	5
Conductor cross section (mm²)	2.5
Connection type	Screwless terminal
Connectable conductor cross section (min) (mm²)	1.5
Connectable conductor cross section (max) (mm²)	2.5
Quantity of luminaires for MCB C16:	16
Quantity of luminaires for MCB C10:	10
Quantity of luminaires for MCB B16:	10
Quantity of luminaires for MCB B10:	6

Structure	
With mounting material	Yes
Lamp type	LED not exchangeable
Light source included	Yes
Suitable for number of lamps	1
Lamp holder	Other
Housing material	Plastic
Housing surface protection	Plastic-coated
Housing colour	Grey
Cover material	Plastic, structured
Type of grid	None
Control gear included	Yes
Exchangeable control gear	Yes
Energy efficiency class of light source according to EU regulation 2019/2015	C
Containing product according to 2019/2020/EU	Yes
Emergency power supply system	None
Emergency power supply integrated	No
With switch	No
With air slots	No
Filament test according to IEC 60695-2-11	850 °C - 30 s

Dimming and control	
Dimmable	Yes
Dimming 0-10 V	No
Dimming 1-10 V	No
Dimming DALI	Yes
Dimming DALI-2	Yes
Dimming DMX	No
Dimming DSI	No
Dimming LineSwitch	No
Dimming manufacturer's proprietary system	No
Dimming mains voltage modulation	No
Dimming trailing edge	No
Dimming leading edge	No
Dimming programmable	No
Dimming potentiometer (integrated)	No
Dimming RF	No
Dimming Sine Wave Reduction	No
Dimming Touch and Dim	No
Dimming Zigbee	No
Dimming with push-button	No
No dimming function	No
With presence indicator	No
With movement sensor	No
With light sensor	No
Constant luminous flux control	No
Bluetooth operated	No
Compatible with Casambi	No
Compatible with Apple HomeKit	No
Compatible with Google Assistant	No
Compatible with Amazon Alexa	No
IFTTT support available	No

Photometric data	
Light distributor	Diffuser lens/optic/panel
Light sharing	Symmetric
Beam angle	Wide beam 40-80°
Colour consistency (McAdam ellipse)	SDCM3
Light outlet	Direct
Rated luminous flux according to IEC 62722-2- 1 (min) (lm)	10100
Rated luminous flux according to IEC 62722-2- 1 (max) (lm)	10100
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	10100
Colour temperature (min) (K)	4000
Colour temperature (max) (K)	4000
Flickering value Pst LM	1
Colour rendering index (CRI/Ra)	80-89
Stroboscope effect value SVM	0.4
Photobiological safety according to EN 62471	RG1
Unified Glare Rating (UGR)	22
Colour temperature switchable	No
Lumen setting adjustable	No
Beam angle adjustable	No

Lifetime and capacity	
Rated life time L70/B50 at 25 °C (h)	100000
Rated life time L80/B50 at 25 °C	100000
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	95
Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	90
Failure rate at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	5
Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	5
Rated ambient temperature acc. IEC62722-2-1 (min) (°C)	-25
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	40

Measurements	
Width (mm)	145
Height/depth (mm)	111
Length (mm)	1452

Electrotechnical data	
Voltage type	AC
Nominal voltage (min) (V)	220
Nominal voltage (max) (V)	240
Nominal current (min) (mA)	293
Nominal current (max) (mA)	324
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	I
Suitable for lamp power (min) (W)	71
Suitable for lamp power (max) (W)	71
Luminaire efficacy (min) (lm/W)	142
Luminaire efficacy (max) (lm/W)	142
Maximum system power (W)	71
Luminaire efficacy (lm/W)	142
Power factor	0.9
Total harmonic distortion (THD) (%)	10
Total harmonic distortion	10