



Features

- SportsBay luminaire developed for sports halls with 12800lumens, 85W, 156lm/W, 4000K, CRI 80, wide beam 117°optic, non-dimmable, 3 step MacAdam ellipse, Class 1, 220-240V, IP20, IK10, lifespan 100Khrs L70B50, (LxWxH) 1220x320x66mm with 3-hour maintained emergency pack. Ball-impact-resistance according to VDE 0710-13.

Product Overview

Product name	Sportsbay 1200mm 12800lm 840 EM
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
General application	Logistics & Industry, Education
ETIM Class	EC002892
E-number FI	4279343
Fixture luminous flux (lm)	12600
Luminaire efficacy (lm/W)	151
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	117
Glare control	< 23
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	620
Total power consumption (W)	85
Electrical protection	Class I
Control gear type	LED driver constant current

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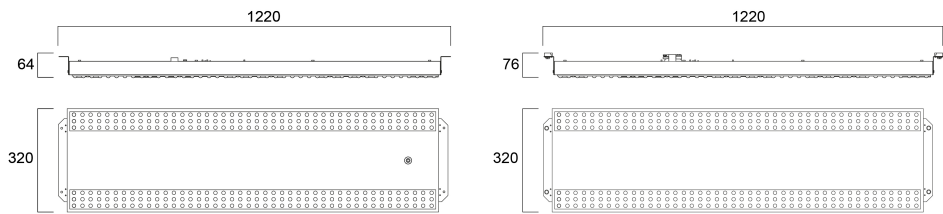
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9016
IP rating	IP20
IK rating	IK10
Product EAN number	5410288440620
Warranty	5 years
Dimming method	N/A

Photometry



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Technical drawings



Data table

GENERAL DATA

Product name	Sportsbay 1200mm 12800lm 840 EM
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
General application	Logistics & Industry, Education
Operating temperature range (°C)	5°C...+35°C
ETIM Class	EC002892
E-number FI	4279343
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	12600
Luminaire efficacy (lm/W)	151
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Luminous Intensity (cd)	4480
Beam Angle (°)	117
Distribution type	Symmetric

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Glare control	< 23
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	620
Emergency duration (h)	3

ELECTRICAL DATA

Total power consumption (W)	85
Primary Supply/Product voltage - min (V)	198.0
Primary Supply/Product voltage - max (V)	264.0
Lamp power factor	0.96
THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x %	15
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	300
Inrush Current (A)	28
Inrush Duration (μ s)	150
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	11
Max. products per 13A C Breaker	14
Max. products per 16A C Breaker	18
Max. products per 20A C Breaker	24
Max. products per 10A B Breaker	6
Max. products per 13A B Breaker	8
Max. products per 16A B Breaker	11
Max. products per 20A B Breaker	14
Connectable conductor cross section - Min (mm ²)	1.5



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Connectable conductor cross section - Max (mm²)	2.5
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LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L70 B20	100000
Lifespan L70 B10	100000
Lifespan L80 B50	81000
Lifespan L80 B20	76000
Lifespan L80 B10	74000
Lifespan L90 B50	39000
Lifespan L90 B20	36500
Lifespan L90 B10	35000

PHYSICAL DATA

Housing colour	RAL9016
IP rating	IP20
IK rating	IK10
Diffuser finish	Other
Diffuser material	None
Nominal Product Length (mm)	1220
Nominal Product Width (mm)	320
Nominal Product Height (mm)	66
Weight (kg)	10.8

PACKAGING

Product EAN number	5410288440620
Packaging single length / height (cm)	154.4
Packaging single width (cm)	34.4
Packaging single depth (cm)	7.6
DUN14 (inner)	05410288440620
Units per outer package	1
Packaging outer length / height (cm)	154.0
Packaging outer width (cm)	7.2



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Packaging outer depth (cm)	34.0
SAFETY DATA	
Glow Wire Test (°C)	850
Optimal operating condition (°C)	5-35
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No