



Features

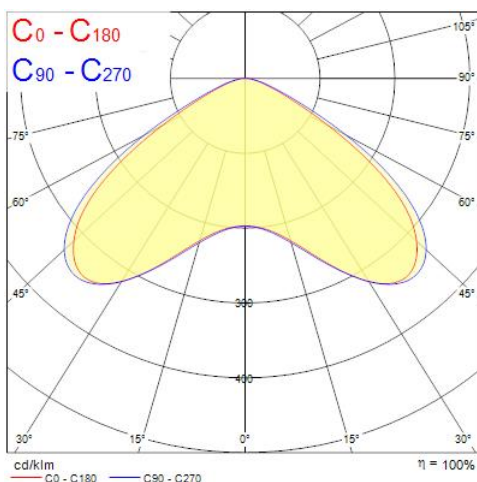
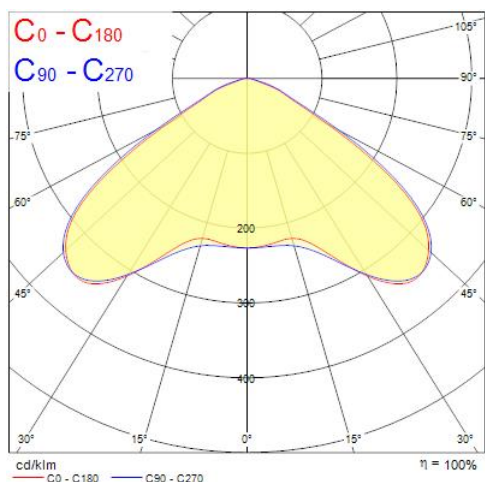
- SportsBay luminaire developed for sports halls with 12800lumens, 85W, 151lm/W, 4000K, CRI 80, wide beam 117°optic, non dimmable, 3 step MacAdam ellipse, Class 1, 220-240V, IP20, IK10, lifespan 100Khrs L70B50, (LxWxH) 1220x320x66mm with 3-hour maintained emergency pack. Ball-impact-resistance according to VDE 0710-13.

Product Overview

Product name	Sportsbay 1200mm Dali 12800lm 840 EM
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
E-number FI	4279347
Fixture luminous flux (lm)	12600
Luminaire efficacy (lm/W)	151
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
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
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL9016
IP rating	IP20

IK rating	IK10
Product EAN number	5410288440644
Warranty	5 years

Photometry



Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	Illuminance [lx]
0.5	1.66 1.60	59.0° 11520 58.0° 1216 58.0° 1337	
1.0	3.33 3.20	59.0° 2880 58.0° 304 58.0° 334	
1.5	4.99 4.80	59.0° 1280 58.0° 135 58.0° 149	
2.0	6.66 6.40	59.0° 720 58.0° 76 58.0° 84	
2.5	8.32 8.00	59.0° 461 58.0° 49 58.0° 53	
3.0	9.99 9.60	59.0° 320 58.0° 34 58.0° 37	

Distance [m] Cone diameter [m]

— C0 - C180 (Half beam angle: 116.0°)
— C90 - C270 (Half beam angle: 118.0°)

Illuminance [lx]

Distance [m]	Cone diameter [m]	E (0°) E (C90) E (C0)	486 57 64
0.5	1.70 1.59	E (0°) E (C90) E (C0)	59.5° 57.8° 57.8°
1.0	3.40 3.18	E (0°) E (C90) E (C0)	59.5° 57.8° 57.8°
1.5	5.09 4.76	E (0°) E (C90) E (C0)	59.5° 57.8° 57.8°
2.0	6.79 6.35	E (0°) E (C90) E (C0)	59.5° 57.8° 57.8°
2.5	8.49 7.94	E (0°) E (C90) E (C0)	59.5° 57.8° 57.8°
3.0	10.19 9.53	E (0°) E (C90) E (C0)	59.5° 57.8° 57.8°

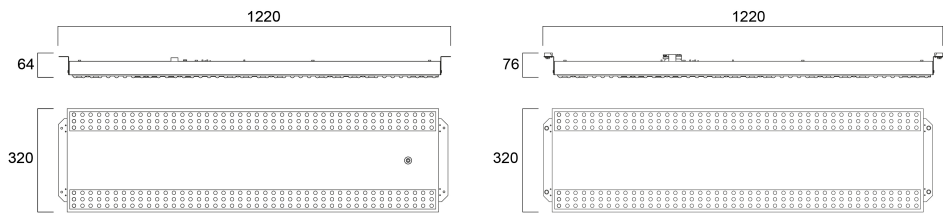
Distance [m] Cone diameter [m]

— C0 - C180 (Half beam angle: 115.6°)
— C90 - C270 (Half beam angle: 119.0°)

Illuminance [lx]

Sportsbay 1200mm Dali 12800lm 840 EM
0044064

Technical drawings



Data table

GENERAL DATA

Product name	Sportsbay 1200mm Dali 12800lm 840 EM
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting
Operating temperature range (°C)	5°C...+35°C
E-number FI	4279347
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	12600
Luminaire efficacy (lm/W)	151
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Luminous Intensity (cd)	4480
Glare control	< 23
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	620
Emergency duration (h)	3

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ELECTRICAL DATA

Total power consumption (W)	85
Primary Supply/Product voltage - min (V)	198.0
Lamp power factor	0.98
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Drive current (mA)	300
Inrush Current (A)	22.4
Inrush Duration (µs)	176
Glow Wire Test (°C)	850
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	10
Max. products per 20A B Breaker	13
Connectable conductor cross section - Max (mm²)	2.5

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
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Sportsbay 1200mm Dali 12800lm 840 EM
0044064

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

PACKAGING

Single packaging type	Carton
Product EAN number	5410288440644
Packaging single width (cm)	34.6
Packaging single depth (cm)	7.8
DUN14 (outer)	05410288440644
Packaging outer length / height (cm)	154.0

SAFETY DATA

Optimal operating condition (°C)	5-35
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No