

Start Batten DALI

Start Batten 1500 7000lm DALI 830/840

0048984



Product features

- LED batten, T8 replacement, ease of installation through 2 part push-in design of the housing, Traffic white (RAL9016) iron housing, 6700 / 7100lm, 51.5W, 130/138lm/W, Integrated switch allows to choose between warm white (3000K) and neutral white (4000K) colour temperatures, CRI80, 3 step MacAdam ellipse, symmetric wide beam angle, Class I, 120000 hrs L70B50 lifespan, DALI driver, IK08, IP20, 1500 x 64 x 65mm (LxWxH) dimensions, 1.75kg weight. BESA compatibility. End cap incorporates 20mm conduit knock out.



PRODUCT OVERVIEW

Product name	Start Batten 1500 7000lm DALI 830/840
Technology	LED
Cap/Base	N/A
Housing	Steel
General application	Logistics & Industry
ETIM Class	EC000109
E-number FI	4279489
Warranty	5 years
Fixture luminous flux (lm)	7100
Luminaire efficacy (lm/W)	138
Light colour	Warm White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	145x110
Photobiological Risk Group	RG1
Total power consumption (W)	51.5
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI-2
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK08
Product EAN number	5410288489841

DATA TABLE

General data

Product name	Start Batten 1500 7000lm DALI 830/840
Technology	LED
Cap/Base	N/A
Housing	Steel

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General application	Logistics & Industry
Operating temperature range (°C)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC000109
E-number FI	4279489
Warranty	5 years

Optical data

Fixture luminous flux (lm)	7100
Luminaire efficacy (lm/W)	138
Correlated colour temperature range (K)	3000 - 4000
Light colour	Warm White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	145x110
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	51.5
Primary Supply/Product voltage - min (V)	240.0
Primary Supply/Product voltage - max (V)	220
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	20
Electrical protection	Class I
Control gear required	Yes
Control gear type	LED driver constant current
No. Of switching cycles before premature failures	>50000
Dimmable	Yes
Dimming method	DALI-2
Drive current (mA)	350
Inrush Current (A)	38.2
Inrush Duration (µs)	289
Glow Wire Test (°C)	650
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	5
Max. products per 13A C Breaker	7
Max. products per 16A C Breaker	9
Max. products per 20A C Breaker	11
Max. products per 10A B Breaker	4
Max. products per 13A B Breaker	4
Max. products per 16A B Breaker	5
Max. products per 20A B Breaker	7
Connectable conductor cross section - Max (mm²)	1.5

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Lifetime data

Lifespan L70 B50	120000
Lifespan L80 B50	120000

Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK08
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1500
Nominal Product Width (mm)	64
Nominal Product Height (mm)	65
Weight (kg)	1.75

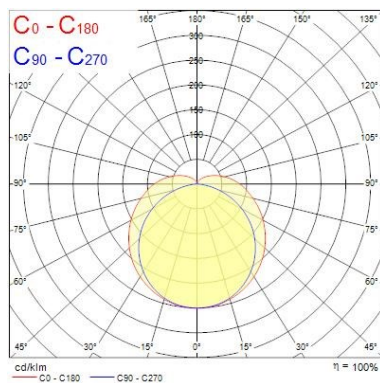
Packaging

Product EAN number	5410288489841
Packaging single length / height (cm)	150.0
Packaging single width (cm)	6.4
Packaging single depth (cm)	6.5
DUN14 (outer)	15410288489848
Units per outer package	6
Packaging outer length / height (cm)	152.0
Packaging outer width (cm)	15.3
Packaging outer depth (cm)	22.7

Safety data

Optimal operating condition (°C)	-20-40
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PHOTOMETRY



Distance [m]	Cone diameter [m]	E _{0°} [lx]	E _{15°} [lx]	E _{30°} [lx]	E _{45°} [lx]
0.5	1.47 3.10	6702	657	67	97
1.0	2.90 6.19	1676	161	16	24
1.5	4.40 9.29	745	67	6	11
2.0	5.86 12.38	419	38	3	6
2.5	7.33 15.48	268	24	2	4
3.0	8.80 18.58	188	17	1	3

Distance [m] Cone diameter [m] Illuminance [lx]
 C0 - C180 (Half beam angle: 144.2°)
 C90 - C270 (Half beam angle: 111.4°)

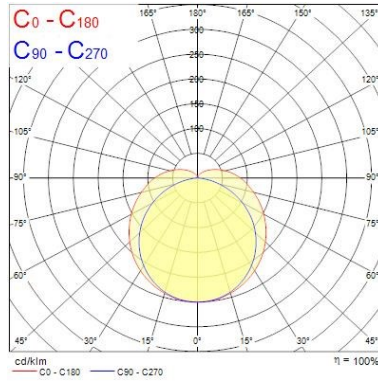
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0.5	1.47 3.10	E(0°) E(C90) E(C0)	7102 636 103
1.0	2.93 6.19	E(0°) E(C90) E(C0)	1776 159 26
1.5	4.40 9.29	E(0°) E(C90) E(C0)	739 71 11
2.0	5.86 12.98	E(0°) E(C90) E(C0)	444 40 6
2.5	7.33 15.48	E(0°) E(C90) E(C0)	254 26 4
3.0	8.80 18.58	E(0°) E(C90) E(C0)	197 18 3

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 144.2°)
— C90 - C270 (Half beam angle: 111.4°)



TECHNICAL DRAWINGS

