

Features

- LED batten, T8 replacement, ease of installation through 2 part push-in design of the housing, Traffic white (RAL9016) iron housing, 4800 / 4850lm, 36.5W, 132/133lm/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, 1200 x 64 x 65mm (LxWxH) dimensions, 1.31kg weight. BESA compatibility. End cap incorporates 20mm conduit knock out.

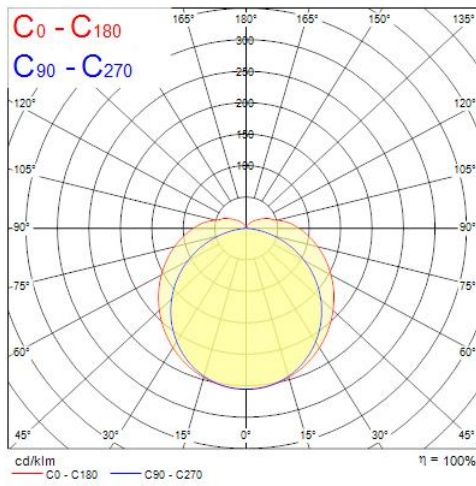
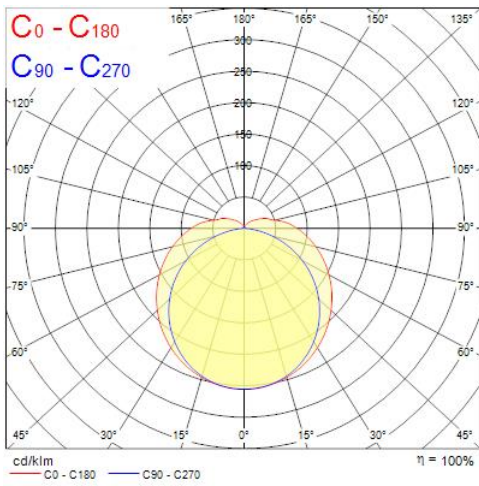
Product Overview

Product name	Start Batten 1200 5000lm DALI 830/840
Technology	LED
Cap/Base	N/A
Housing	Steel
General application	Logistics & Industry
ETIM Class	EC000109
E-number FI	4279487
Fixture luminous flux (lm)	4850
Luminaire efficacy (lm/W)	133
Light colour	Warm White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	145x110
Photobiological Risk Group	RG1
Total power consumption (W)	36.5
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes

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LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK08
Product EAN number	5410288489834
Warranty	5 years
Dimming method	DALI-2

Photometry



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.47 2.99	4905	55.7° 440	71.5° 76	
1.0	2.93 5.98	1226	55.7° 110	71.5° 20	
1.5	4.40 8.97	545	55.7° 49	71.5° 9	
2.0	5.86 11.95	307	55.7° 27	71.5° 5	
2.5	7.33 14.94	196	55.7° 18	71.5° 3	
3.0	8.80 17.93	138	55.7° 12	71.5° 2	

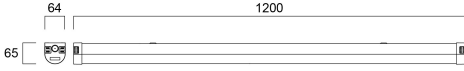
Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 143.0°)
 — C90 - C270 (Half beam angle: 111.4°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.47 2.99	4866	55.7° 444	71.5° 79	
1.0	2.93 5.98	1238	55.7° 111	71.5° 20	
1.5	4.40 8.97	551	55.7° 49	71.5° 9	
2.0	5.86 11.95	310	55.7° 28	71.5° 5	
2.5	7.33 14.94	196	55.7° 18	71.5° 3	
3.0	8.80 17.93	138	55.7° 12	71.5° 2	

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 143.0°)
 — C90 - C270 (Half beam angle: 111.4°)

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Technical drawings



Data table

GENERAL DATA

Product name	Start Batten 1200 5000lm DALI 830/840
Technology	LED
Cap/Base	N/A
Housing	Steel
General application	Logistics & Industry
Operating temperature range (°C)	-20°C...+40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC000109
E-number FI	4279487
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	4850
Luminaire efficacy (lm/W)	133
Correlated colour temperature range (K)	3000 - 4000
Light colour	Warm White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	145x110
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	36.5
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) \leq 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)	31
Inrush Duration (μ s)	262
Glow Wire Test ($^{\circ}$ 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	8
Max. products per 13A C Breaker	10
Max. products per 16A C Breaker	12
Max. products per 20A C Breaker	15
Max. products per 10A B Breaker	7
Max. products per 13A B Breaker	7
Max. products per 16A B Breaker	8
Max. products per 20A B Breaker	11
Connectable conductor cross section - Max (mm ²)	1.5

LIFETIME DATA

Start Batten 1200 5000lm DALI 830/840 0048983

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)	1200
Nominal Product Width (mm)	64
Nominal Product Height (mm)	65
Weight (kg)	1.31

PACKAGING

Product EAN number	5410288489834
Packaging single length / height (cm)	120.0
Packaging single width (cm)	6.4
Packaging single depth (cm)	6.5
DUN14 (outer)	15410288489831
Units per outer package	6
Packaging outer length / height (cm)	122.0
Packaging outer width (cm)	15.3
Packaging outer depth (cm)	22.7

SAFETY DATA

Optimal operating condition (°C)	-20-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No