

Start Batten non-dimmable

Start Batten 600 1600/3000lm 830/840

0048977



Product features

- LED batten, T8 replacement, ease of installation through 2 part push-in design of the housing, Traffic white (RAL9016) iron housing, 1525 - 3000lm (selected by DIP switches), 12 - 21.5W, 127-140lm/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, Non-dimmable driver, IK08, IP20, 600 x 64 x 65mm (LxWxH) dimensions, 0.69kg weight. BESA compatibility. End cap incorporates 20mm conduit knock out.



NOTES

undefined

PRODUCT OVERVIEW

Product name	Start Batten 600 1600/3000lm 830/840
Technology	LED
Cap/Base	N/A
Housing	Steel
General application	Logistics & Industry
ETIM Class	EC000109
Warranty	5 years
Fixture luminous flux (lm)	3000
Luminaire efficacy (lm/W)	140
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)	21.5
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK08
Product EAN number	5410288489773

DATA TABLE

Start Batten non-dimmable

Start Batten 600 1600/3000lm 830/840

0048977

General data

Product name	Start Batten 600 1600/3000lm 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
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3000
Luminaire efficacy (lm/W)	140
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)	21.5
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	No
Dimming method	N/A
Drive current (mA)	150
Inrush Current (A)	21.2
Inrush Duration (µs)	198
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	16
Max. products per 13A C Breaker	20
Max. products per 16A C Breaker	26
Max. products per 20A C Breaker	30
Max. products per 10A B Breaker	17

Start Batten non-dimmable

Start Batten 600 1600/3000lm 830/840

0048977

Max. products per 13A B Breaker	19
Max. products per 16A B Breaker	19
Max. products per 20A B Breaker	23
Connectable conductor cross section - Max (mm ²)	1.5

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)	600
Nominal Product Width (mm)	64
Nominal Product Height (mm)	65
Weight (kg)	0.689

Packaging

Product EAN number	5410288489773
Packaging single length / height (cm)	60.0
Packaging single width (cm)	6.4
Packaging single depth (cm)	6.5
DUN14 (outer)	15410288489770
Units per outer package	6
Packaging outer length / height (cm)	62.0
Packaging outer width (cm)	15.3
Packaging outer depth (cm)	22.7

Safety data

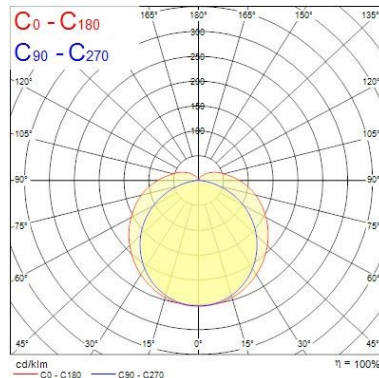
Optimal operating condition (°C)	-20-40
----------------------------------	--------

PHOTOMETRY

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	1.45 3.17	1542	55.4° 141	72.5° 21
1.0	2.90 6.34	386	55.4° 36	72.5° 5
1.5	4.35 9.51	171	55.4° 16	72.5° 3
2.0	5.80 12.69	98	55.4° 9	72.5° 1
2.5	7.25 15.86	62	55.4° 6	72.5° 1
3.0	8.70 19.03	43	55.4° 4	72.5° 1

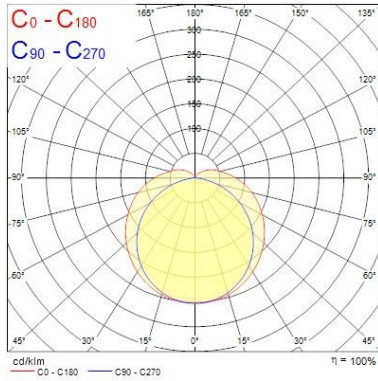
Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 145.0°)
— C90 - C270 (Half beam angle: 110.8°)



Start Batten non-dimmable

Start Batten 600 1600/3000lm 830/840
0048977

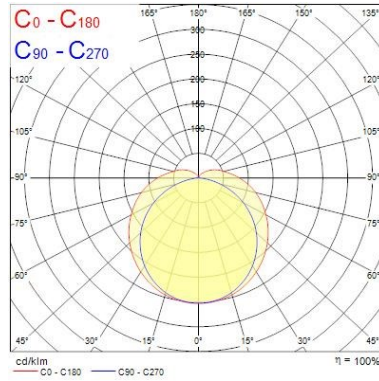


Distance [m]	Cone diameter [m]	E ₀ [lx]	E ₁₀ [lx]	E ₃₀ [lx]	E ₄₅ [lx]
0.5	1.45 3.17	2081	264	264	39
1.0	2.90 6.34	720	96	96	10
1.5	4.35 9.51	320	29	29	4
2.0	5.80 12.69	180	16	16	2
2.5	7.25 15.86	115	11	11	2
3.0	8.70 19.03	80	7	7	1

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 145.0°)
 — C90 - C270 (Half beam angle: 110.8°)

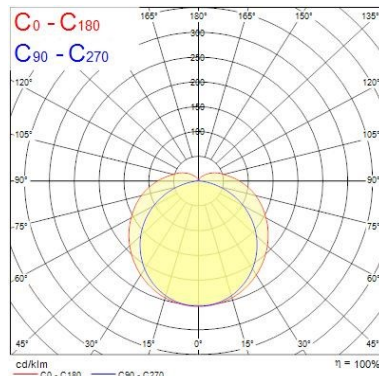
Distance [m]	Cone diameter [m]	E ₀ [lx]	E ₁₀ [lx]	E ₃₀ [lx]	E ₄₅ [lx]
0.5	1.45 3.17	1543	190	190	22
1.0	2.90 6.34	411	38	38	6
1.5	4.35 9.51	183	17	17	2
2.0	5.80 12.69	103	9	9	1
2.5	7.25 15.86	66	6	6	1
3.0	8.70 19.03	48	4	4	1

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 145.0°)
 — C90 - C270 (Half beam angle: 110.8°)



Distance [m]	Cone diameter [m]	E ₀ [lx]	E ₁₀ [lx]	E ₃₀ [lx]	E ₄₅ [lx]
0.5	1.45 3.17	3033	270	270	41
1.0	2.90 6.34	788	69	69	10
1.5	4.35 9.51	337	31	31	5
2.0	5.80 12.69	190	17	17	3
2.5	7.25 15.86	121	11	11	2
3.0	8.70 19.03	84	8	8	1

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 145.0°)
 — C90 - C270 (Half beam angle: 110.8°)



TECHNICAL DRAWINGS

