

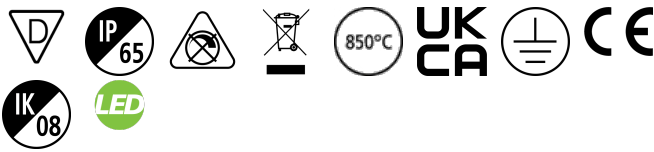
START Highbay - entry level

START Highbay IP65 20000lm 840 WB
0039616



Product features

- Integrated LED highbay; White aluminium housing; 20700lm; 180W; 115lm/W; 4000K; Drive current: 830mA; CRI 80; 95° beam angle; IP65; IK08; Lifespan L70:B50 90,000 hrs; (D x H) 310 x 141 mm; D-mark.



PRODUCT OVERVIEW

Product name	START Highbay IP65 20000lm 840 WB
Technology	LED
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4357085
Warranty	5 years
Fixture luminous flux (lm)	20700
Luminaire efficacy (lm/W)	115
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
Photobiological Risk Group	RG1
Total power consumption (W)	180
Electrical protection	Class I
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9006 - Aluminium
IP rating	IP65
IK rating	IK08
Product EAN number	5410288396163
Dimming method	N/A

DATA TABLE

General data

Product name	START Highbay IP65 20000lm 840 WB
Technology	LED
General application	Logistics & Industry
Operating temperature range (°C)	-20°C - 45°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001716

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E-number FI	4357085
Warranty	5 years

Optical data

Fixture luminous flux (lm)	20700
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Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	180
Mains voltage (V)	220-240V
Lamp power factor	1
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	10
Electrical protection	Class I
Dimmable	No
Drive current (mA)	830
Inrush Current (A)	80
Inrush Duration (µs)	700
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	F
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	12
Max. Luminaires per 13A C Breaker	15
Max. Luminaires per 16A C Breaker	19
Max. Luminaires per 20A C Breaker	24
Max. Luminaires per 10A B Breaker	7
Max. Luminaires per 13A B Breaker	9
Max. Luminaires per 16A B Breaker	11
Max. Luminaires per 20A B Breaker	14

Lifetime data

Lifespan L70 B50	90000
Lifespan L70 B20	90000
Lifespan L70 B10	90000
Lifespan L80 B50	75000
Lifespan L80 B20	62000
Lifespan L80 B10	57000
Lifespan L90 B50	35000
Lifespan L90 B20	30000
Lifespan L90 B10	27000

Physical data

Housing colour	RAL 9006 - Aluminium
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IP rating	IP65
IK rating	IK08
Nominal Product Height (mm)	141
Nominal Product Diameter (mm)	310
Weight (kg)	2.45

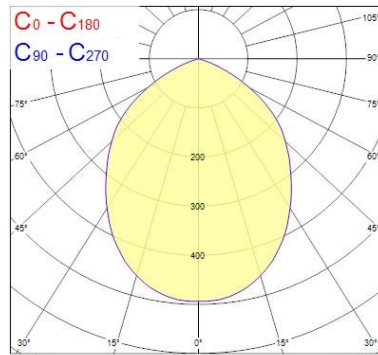
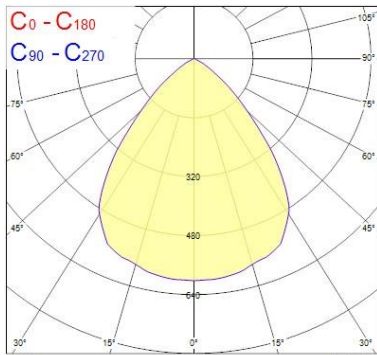
Packaging

Single packaging type	Carton
Product EAN number	5410288396163
Packaging single length / height (cm)	32.5
Packaging single width (cm)	32.5
Packaging single depth (cm)	13.0
DUN14 (outer)	05410288396163
Units per outer package	1
Packaging outer length / height (cm)	32.5
Packaging outer width (cm)	32.5
Packaging outer depth (cm)	13.0

Safety data

Optimal operating condition (°C)	-20-45
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PHOTOMETRY



Distance [m]	Cone diameter [m]	E [0°] E [C0]	E [0°] E [C0]
0.5	1.03	40371 6941	45.8°
1.0	2.06	10218 1735	45.8°
1.5	3.08	4541 771	45.8°
2.0	4.11	2654 434	45.8°
2.5	5.14	1635 270	45.8°
3.0	6.17	1158 193	45.8°

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

— C0 - C180 (Half beam angle: 91.6°)

Distance [m]	Cone diameter [m]	E [0°] E [C0]	E [0°] E [C0]
0.5	0.87	45574 9632	41.0°
1.0	1.74	11393 2458	41.0°
1.5	2.61	5054 1052	41.0°
2.0	3.48	2548 615	41.0°
2.5	4.35	1623 382	41.0°
3.0	5.22	1266 273	41.0°

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

— C0 - C180 (Half beam angle: 82.0°)

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TECHNICAL DRAWINGS

