



Features

- START Highbay, includes 1 m cables, black aluminium housing, 11,700 Lm, 90 W, 130 Lm/W, 6500 K, drive current: 2000 mA, CRI 80, 90° beam angle, DALI dimmable, IP65, IK08, 54,000 hrs (L80/B50), (D x H) 270 x 175 mm, 1 m mains cable, 1 m control cable, 1.2 m chain length including hooks

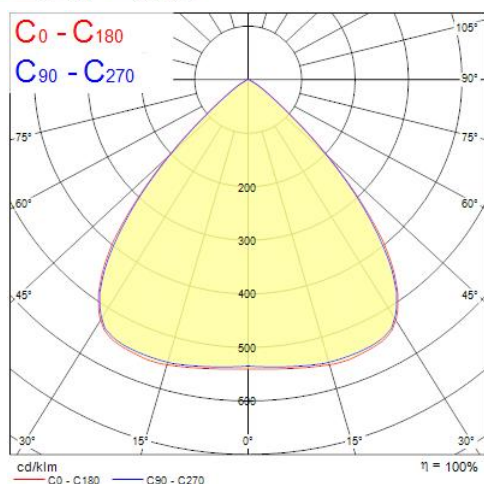
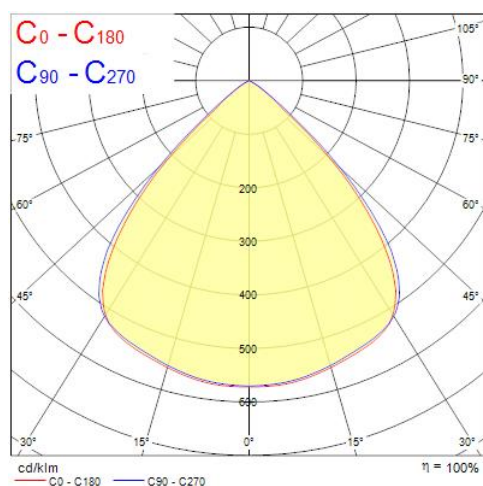
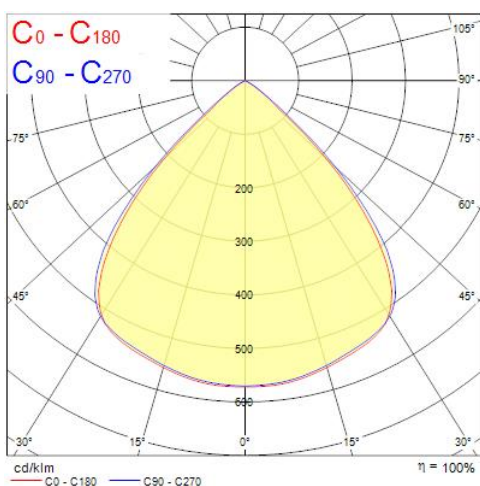
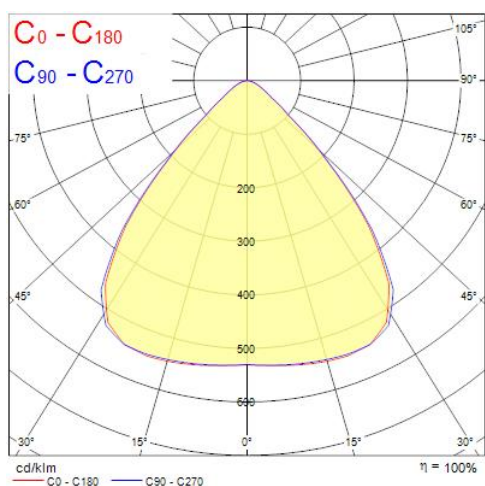
Product Overview

Product name	START Highbay IP65 DALI 13000lm 840 WB
Technology	LED
Housing	Aluminium
Mount	Suspended
Fixture rating	Enclosed
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4306998
E-number SE	7214425
Fixture luminous flux (lm)	11700
Luminaire efficacy (lm/W)	130
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Beam Angle (°)	90
Glare control	< 25
Photobiological Risk Group	RG1
Total power consumption (W)	90
Electrical protection	Class I

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Control gear type	Electronic ballast
Dimmable	Yes
LED Flickering Rate	Ultra low (5% or less)
Housing colour	Black
IP rating	IP65
IK rating	IK08
Product EAN number	5410288393650
Warranty	5 years
Dimming method	DALI

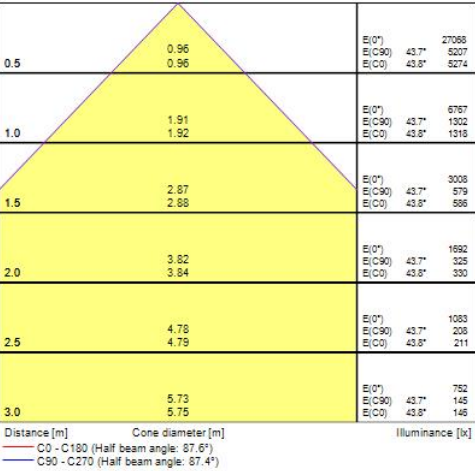
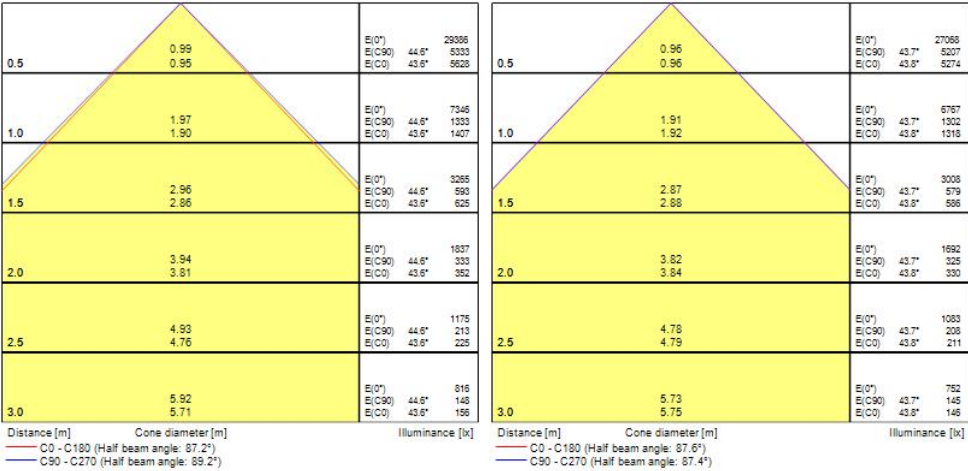
Photometry



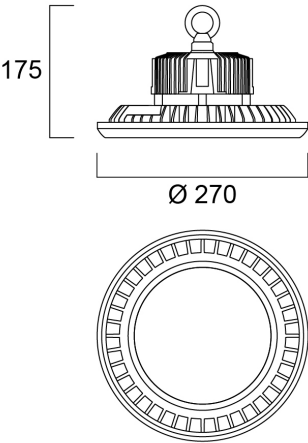
Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.93 0.92	E(0°) 24000 E(C90) 5008 E(C0) 5100
1.0	1.87 1.85	E(0°) 6200 E(C90) 1252 E(C0) 1275
1.5	2.80 2.77	E(0°) 2756 E(C90) 556 E(C0) 567
2.0	3.73 3.69	E(0°) 1550 E(C90) 313 E(C0) 319
2.5	4.66 4.61	E(0°) 992 E(C90) 200 E(C0) 204
3.0	5.60 5.54	E(0°) 589 E(C90) 139 E(C0) 142

Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.99 0.95	E(0°) 29366 E(C90) 5333 E(C0) 5625
1.0	1.97 1.90	E(0°) 7346 E(C90) 1333 E(C0) 1407
1.5	2.96 2.86	E(0°) 3265 E(C90) 590 E(C0) 626
2.0	3.94 3.81	E(0°) 1837 E(C90) 333 E(C0) 352
2.5	4.93 4.76	E(0°) 1175 E(C90) 213 E(C0) 225
3.0	5.92 5.71	E(0°) 815 E(C90) 145 E(C0) 156

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Technical drawings



Data table

GENERAL DATA

Product name	START Highbay IP65 DALI 13000lm 840 WB
Technology	LED
Housing	Aluminium
Mount	Suspended

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Fixture rating	Enclosed
General application	Logistics & Industry
Operating temperature range (°C)	-30°C...+50°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001716
E-number FI	4306998
E-number SE	7214425
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	11700
Luminaire efficacy (lm/W)	130
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Beam Angle (°)	90
Glare control	< 25
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	90
Mains voltage (V)	220-240V
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	10
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic ballast
Dimmable	Yes
Dimming method	DALI
Drive current (mA)	2000
Inrush Current (A)	60

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Inrush Duration (µs)	550
Glow Wire Test (°C)	650
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	5
Max. Luminaires per 13A C Breaker	6
Max. Luminaires per 16A C Breaker	8
Max. Luminaires per 20A C Breaker	10

LIFETIME DATA

Lifespan L70 B50	54000
Lifespan L80 B50	54000
Lifespan L90 B50	54000
Lifespan L90 B10	50000

PHYSICAL DATA

Housing colour	Black
IP rating	IP65
IK rating	IK08
Diffuser finish	Transparent
Diffuser material	PC Polycarbonate
Nominal Product Height (mm)	175
Nominal Product Diameter (mm)	270
Weight (kg)	3.0

PACKAGING

Single packaging type	Carton
Product EAN number	5410288393650
Packaging single length / height (cm)	33.0
Packaging single width (cm)	33.0
Packaging single depth (cm)	16.7
DUN14 (outer)	05410288393650
Units per outer package	1
Packaging outer length / height (cm)	33.0



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Packaging outer width (cm)	33.0
Packaging outer depth (cm)	16.7

SAFETY DATA

Optimal operating condition (°C)	-30-50
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No