

Features

- Integrated LED highbay; Black aluminium housing; 19500Lm; 135 W; 144 Lm/W; 4000K; Drive current: 540mA; CRI 80; 55° beam angle; 0-10V dimmable; IP65; IK08; Lifespan L80:B50 90,000 hrs; (D x H) 321 x 169 mm; 1.5 m mains cable; 1.5 m control cable; 1.2 m chain length including hooks.

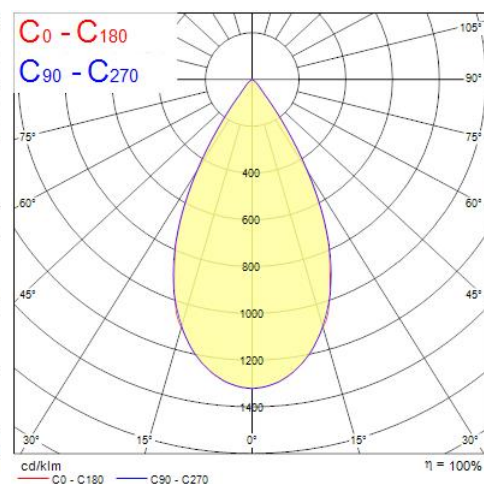
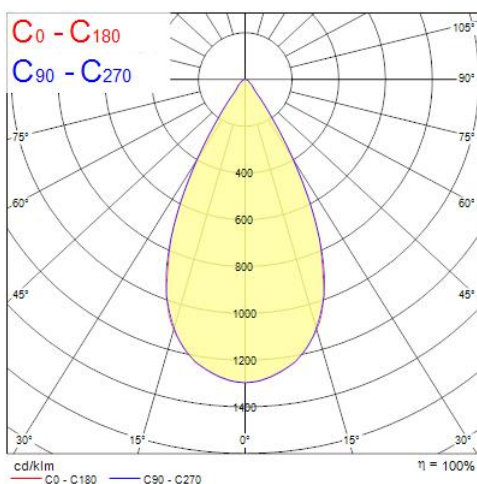
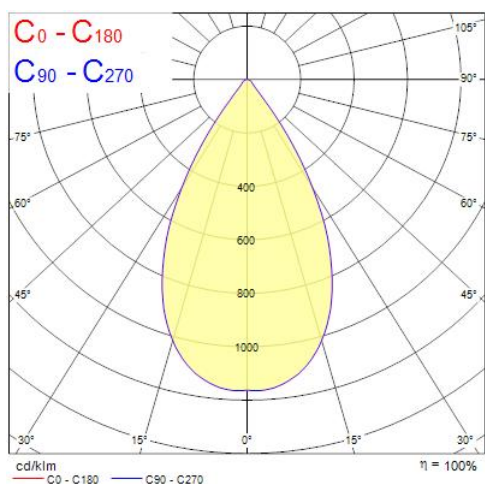
Product Overview

Product name	Granit IP65 0-10V 19000lm 840 MB
Technology	LED
Housing	Aluminium
Mount	Suspended
Fixture rating	Enclosed
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4357003
Fixture luminous flux (lm)	19500
Luminaire efficacy (lm/W)	144
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	55
Glare control	< 22

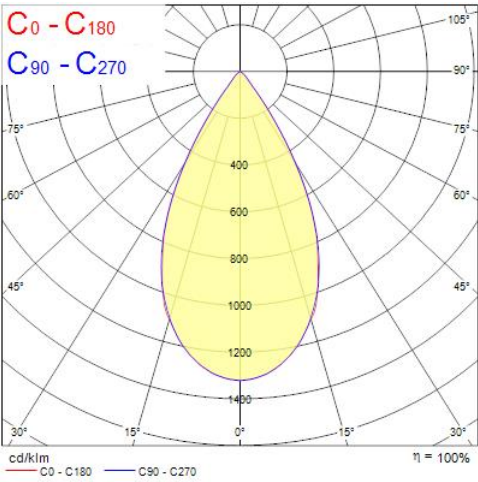
Granit IP65 0-10V 19000lm 840 MB 0039593

Photobiological Risk Group	RG1
Total power consumption (W)	135
Electrical protection	Class I
Control gear type	LED driver constant current
Dimmable	Yes
LED Flickering Rate	Ultra low (5% or less)
Housing colour	Black
IP rating	IP65
IK rating	IK08
Product EAN number	5410288395937
Warranty	5 years
Dimming method	0-10V

Photometry



Granit IP65 0-10V 19000lm 840 MB
0039593



0.5	0.55	E(0°) E(C0) E(C90)	92398 28.7° 31541
1.0	1.09	E(0°) E(C0) E(C90)	23099 28.7° 7885
1.5	1.64	E(0°) E(C0) E(C90)	10286 28.7° 3505
2.0	2.19	E(0°) E(C0) E(C90)	5775 28.7° 1971
2.5	2.74	E(0°) E(C0) E(C90)	3696 28.7° 1262
3.0	3.28	E(0°) E(C0) E(C90)	2587 28.7° 876

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 57.4°)

0.5	0.51 0.50	E(0°) E(C90) E(C0)	99705 26.8° 35565 25.7° 35795
1.0	1.01 1.01	E(0°) E(C90) E(C0)	24927 26.8° 3591 25.7° 8949
1.5	1.52 1.51	E(0°) E(C90) E(C0)	11079 26.8° 3952 25.7° 5977
2.0	2.02 2.01	E(0°) E(C90) E(C0)	6232 26.8° 2223 25.7° 2237
2.5	2.53 2.51	E(0°) E(C90) E(C0)	3965 26.8° 1423 25.7° 1432
3.0	3.03 3.02	E(0°) E(C90) E(C0)	2770 26.8° 965 25.7° 994

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 53.4°)
C90 - C270 (Half beam angle: 53.6°)

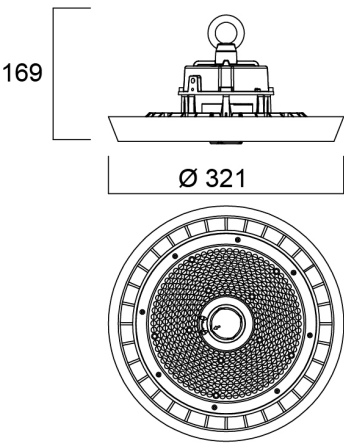
0.5	0.52 0.52	E(0°) E(C90) E(C0)	101191 27.4° 35460 27.3° 35532
1.0	1.04 1.03	E(0°) E(C90) E(C0)	25296 27.4° 3555 27.3° 3553
1.5	1.56 1.55	E(0°) E(C90) E(C0)	11243 27.4° 3940 27.3° 3948
2.0	2.07 2.06	E(0°) E(C90) E(C0)	6324 27.4° 2216 27.3° 2221
2.5	2.59 2.58	E(0°) E(C90) E(C0)	4048 27.4° 1418 27.3° 1421
3.0	3.11 3.10	E(0°) E(C90) E(C0)	2511 27.4° 955 27.3° 957

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 54.6°)
C90 - C270 (Half beam angle: 54.8°)

0.5	0.52 0.52	E(0°) E(C90) E(C0)	101244 27.4° 35479 27.3° 35551
1.0	1.04 1.03	E(0°) E(C90) E(C0)	25311 27.4° 3570 27.3° 3558
1.5	1.56 1.55	E(0°) E(C90) E(C0)	11249 27.4° 3942 27.3° 3950
2.0	2.07 2.06	E(0°) E(C90) E(C0)	6328 27.4° 2217 27.3° 2222
2.5	2.59 2.58	E(0°) E(C90) E(C0)	4050 27.4° 1419 27.3° 1422
3.0	3.11 3.10	E(0°) E(C90) E(C0)	2512 27.4° 956 27.3° 958

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 54.6°)
C90 - C270 (Half beam angle: 54.8°)

Technical drawings



Data table

GENERAL DATA

Product name	Granit IP65 0-10V 19000lm 840 MB
Technology	LED
Housing	Aluminium
Mount	Suspended
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	4357003
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	19500
Luminaire efficacy (lm/W)	144

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Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	55
Glare control	< 22
Photobiological Risk Group	RG1

ELECTRICAL DATA

Total power consumption (W)	135
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	1
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	LED driver constant current
Dimmable	Yes
Dimming method	0-10V
Drive current (mA)	540
Inrush Current (A)	82.7
Inrush Duration (µs)	620
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	4
Max. products per 13A C Breaker	5
Max. products per 16A C Breaker	7
Max. products per 20A C Breaker	9
Max. products per 10A B Breaker	2
Max. products per 13A B Breaker	3
Max. products per 16A B Breaker	4
Max. products per 20A B Breaker	5

LIFETIME DATA

Lifespan L80 B50	90000
Lifespan L80 B20	70000
Lifespan L80 B10	65000
Lifespan L90 B50	45000

PHYSICAL DATA

Housing colour	Black
IP rating	IP65
IK rating	IK08
Diffuser finish	Transparent
Diffuser material	PC Polycarbonate
Nominal Product Height (mm)	169
Nominal Product Diameter (mm)	321
Weight (kg)	3.46

PACKAGING

Product EAN number	5410288395937
Packaging single length / height (cm)	38.0
Packaging single width (cm)	38.0
Packaging single depth (cm)	18.5
DUN14 (inner)	05410288395937
Units per outer package	1
Packaging outer length / height (cm)	38.0
Packaging outer width (cm)	38.0
Packaging outer depth (cm)	18.5

SAFETY DATA

Glow Wire Test (°C)	850
Optimal operating condition (°C)	-30-50
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No

SYLVANIA

Granit IP65 0-10V 19000lm 840 MB

0039593

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