

Features

- Integrated LED highbay; Black aluminium housing; 31000Lm; 220 W; 141 Lm/W; 4000K; Drive current: 860mA; CRI 80; 55° beam angle; 0-10V dimmable; IP65; IK08; Lifespan L80:B50 90,000 hrs; (D x H) 385 x 181 mm; 1.5 m mains cable; 1.5 m control cable; 1.2 m chain length including hooks.

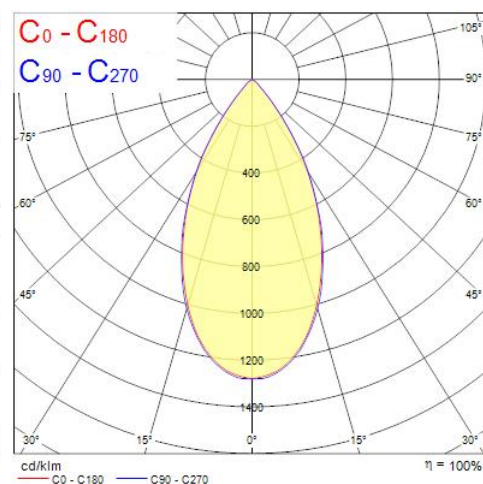
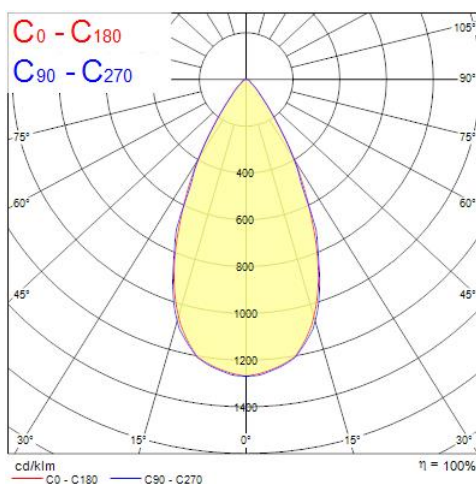
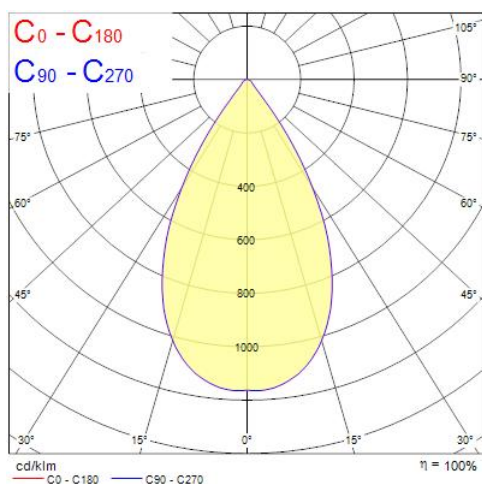
Product Overview

Product name	Granit IP65 0-10V 31000lm 840 MB
Technology	LED
Housing	Aluminium
Mount	Suspended
Fixture rating	Enclosed
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4357011
Fixture luminous flux (lm)	31000
Luminaire efficacy (lm/W)	141
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	55
Glare control	< 22

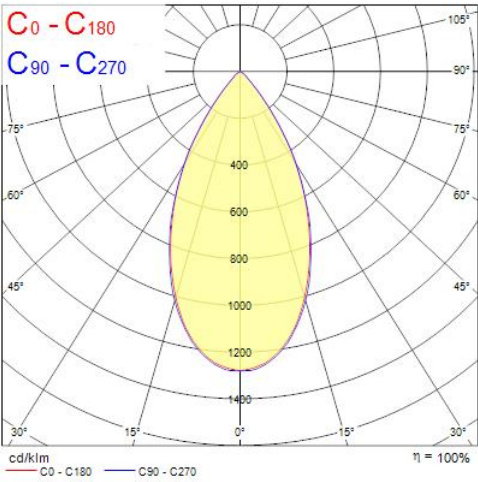
Granit IP65 0-10V 31000lm 840 MB 0039601

Photobiological Risk Group	RG1
Total power consumption (W)	220
Electrical protection	Class I
Control gear type	Other
Dimmable	Yes
LED Flickering Rate	Ultra low (5% or less)
Housing colour	Black
IP rating	IP65
IK rating	IK08
Product EAN number	5410288396019
Warranty	5 years
Dimming method	0-10V

Photometry



Granit IP65 0-10V 31000lm 840 MB
0039601



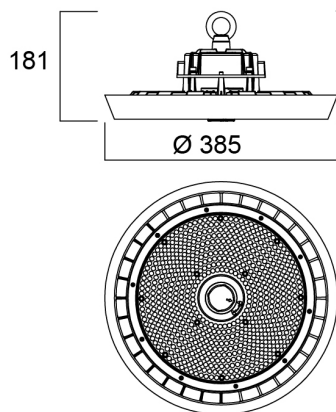
Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.55	E(0°) 151287 E(C0) 28.7° 51643
1.0	1.09	E(0°) 37822 E(C0) 28.7° 12911
1.5	1.64	E(0°) 16810 E(C0) 28.7° 5738
2.0	2.19	E(0°) 9455 E(C0) 28.7° 3228
2.5	2.74	E(0°) 6051 E(C0) 28.7° 2066
3.0	3.28	E(0°) 4202 E(C0) 28.7° 1435

Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.50 0.49	E(0°) 159703 E(C90) 26.4° 57505 E(C0) 26.2° 57773
1.0	0.99 0.98	E(0°) 39925 E(C90) 26.4° 14401 E(C0) 26.2° 14443
1.5	1.49 1.48	E(0°) 17745 E(C90) 26.4° 6401 E(C0) 26.2° 6419
2.0	1.99 1.97	E(0°) 9981 E(C90) 26.4° 3600 E(C0) 26.2° 3611
2.5	2.48 2.46	E(0°) 6385 E(C90) 26.4° 2304 E(C0) 26.2° 2311
3.0	2.98 2.95	E(0°) 4436 E(C90) 26.4° 1600 E(C0) 26.2° 1605

Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.50 0.49	E(0°) 159601 E(C90) 26.4° 57568 E(C0) 26.2° 57736
1.0	0.99 0.98	E(0°) 39900 E(C90) 26.4° 14392 E(C0) 26.2° 14434
1.5	1.49 1.48	E(0°) 17733 E(C90) 26.4° 6396 E(C0) 26.2° 6415
2.0	1.99 1.97	E(0°) 9975 E(C90) 26.4° 3596 E(C0) 26.2° 3608
2.5	2.48 2.46	E(0°) 6384 E(C90) 26.4° 2303 E(C0) 26.2° 2309
3.0	2.98 2.95	E(0°) 4433 E(C90) 26.4° 1599 E(C0) 26.2° 1604

Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.49 0.48	E(0°) 158336 E(C90) 25.9° 57179 E(C0) 25.7° 57212
1.0	0.97 0.96	E(0°) 39084 E(C90) 25.9° 14296 E(C0) 25.7° 14303
1.5	1.46 1.44	E(0°) 17371 E(C90) 25.9° 6353 E(C0) 25.7° 6357
2.0	1.94 1.93	E(0°) 9771 E(C90) 25.9° 3574 E(C0) 25.7° 3576
2.5	2.43 2.41	E(0°) 6253 E(C90) 25.9° 2287 E(C0) 25.7° 2286
3.0	2.91 2.89	E(0°) 4243 E(C90) 25.9° 1588 E(C0) 25.7° 1589

Technical drawings



Data table

GENERAL DATA

Product name	Granit IP65 0-10V 31000lm 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	4357011
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	31000
Luminaire efficacy (lm/W)	141

Granit IP65 0-10V 31000lm 840 MB 0039601

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)	220
Mains voltage (V)	220-240V
Lamp power factor	1
THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x %	10
Electrical protection	Class I
Control gear required	No
Control gear type	Other
Dimmable	Yes
Dimming method	0-10V
Drive current (mA)	860
Inrush Current (A)	99.2
Inrush Duration (μ s)	220
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	3
Max. Luminaires per 13A C Breaker	5
Max. Luminaires per 16A C Breaker	7
Max. Luminaires per 20A C Breaker	8
Max. Luminaires per 10A B Breaker	3
Max. Luminaires per 13A B Breaker	3
Max. Luminaires per 16A B Breaker	4
Max. Luminaires 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)	181
Nominal Product Diameter (mm)	385
Weight (kg)	4.77

PACKAGING

Single packaging type	Carton
Product EAN number	5410288396019
Packaging single length / height (cm)	44.5
Packaging single width (cm)	44.5
Packaging single depth (cm)	19.5
DUN14 (outer)	05410288396019
Units per outer package	1
Packaging outer length / height (cm)	44.5
Packaging outer width (cm)	44.5
Packaging outer depth (cm)	19.5

SAFETY DATA

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 31000lm 840 MB

0039601

Light your world