

## Granit 0-10V

Granit IP65 0-10V 13000lm 840 WB

0039595

### Product features

- Integrated LED highbay; Black aluminium housing; 13000lm; 90 W; 144 lm/W; 4000K; Drive current: 780mA; CRI 80; 85° beam angle; 0-10V dimmable; IP65; IK08; Lifespan L80:B50 90,000 hrs; (D x H) 308 x 166 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 13000lm 840 WB
Technology	LED
Housing	Aluminium
Mount	Suspended
General application	Logistics & Industry
ETIM Class	EC001716
E-number FI	4357005
Warranty	5 years
Fixture luminous flux (lm)	13000
Luminaire efficacy (lm/W)	144
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	85
Glare control	< 25
Photobiological Risk Group	RG1
Total power consumption (W)	90
Electrical protection	Class I
Control gear type	Other
Dimmable	Yes
LED Flickering Rate	Low (6% - 20%)
Housing colour	Black
IP rating	IP65
IK rating	IK08
Product EAN number	5410288395951

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### DATA TABLE

#### General data

Product name	Granit IP65 0-10V 13000lm 840 WB
Technology	LED
Housing	Aluminium
Mount	Suspended
General application	Logistics & Industry
Operating temperature range (°C)	-30°C - 50°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC001716
E-number FI	4357005
Warranty	5 years

#### Optical data

Fixture luminous flux (lm)	13000
Luminaire efficacy (lm/W)	144
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	85
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 type	Other
Dimmable	Yes
Drive current (mA)	780
Inrush Current (A)	56.6
Inrush Duration (µs)	140
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Low (6% - 20%)
Max. Luminaires per 10A C Breaker	12
Max. Luminaires per 13A C Breaker	15
Max. Luminaires per 16A C Breaker	20
Max. Luminaires per 20A C Breaker	24
Max. Luminaires per 10A B Breaker	7
Max. Luminaires per 13A B Breaker	9

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Max. Luminaires per 16A B Breaker	12
Max. Luminaires per 20A B Breaker	14

### 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 Length (mm)	308
Nominal Product Width (mm)	308
Nominal Product Height (mm)	166
Nominal Product Diameter (mm)	308
Weight (kg)	2.43

### Packaging

Single packaging type	Carton
Product EAN number	5410288395951
Packaging single length / height (cm)	37.0
Packaging single width (cm)	37.0
Packaging single depth (cm)	18.0
DUN14 (outer)	05410288395951
Units per outer package	1
Packaging outer length / height (cm)	37.0
Packaging outer width (cm)	37.0
Packaging outer depth (cm)	18.0

### Safety data

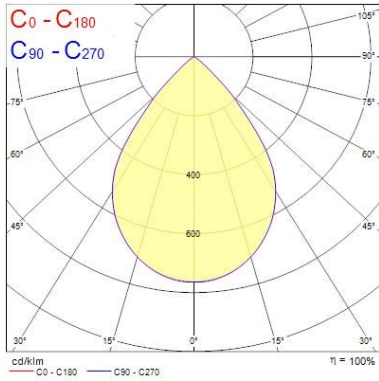
Optimal operating condition (°C)	-30-50
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## PHOTOMETRY

## Granit 0-10V

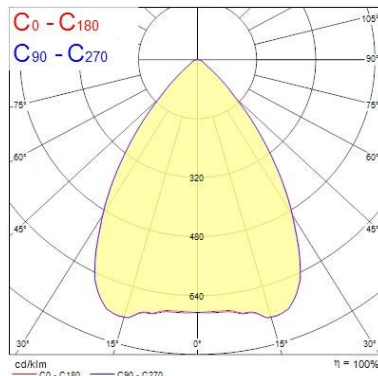
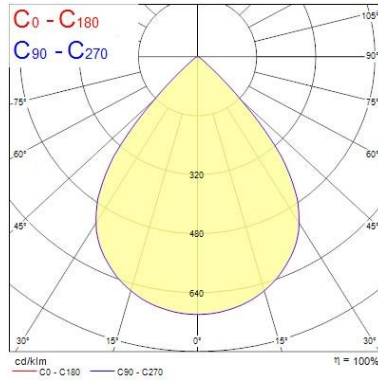
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Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	30077 9632 9787
0.5	0.73 0.73	36.1° 36.2°	
1.0	1.46 1.46	36.1° 36.2°	8789 2458 2447
1.5	2.19 2.20	36.1° 36.2°	3987 1082 1087
2.0	2.92 2.93	36.1° 36.2°	2192 614 612
2.5	3.65 3.66	36.1° 36.2°	1403 390 391
3.0	4.38 4.39	36.1° 36.2°	974 273 272

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0 - C180 (Half beam angle: 72.4°)  
 — C90 - C270 (Half beam angle: 72.2°)



Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	39185 9632
0.5	0.78	38.1°	
1.0	1.57	38.1°	9796 2406
1.5	2.35	38.1°	4354 1069
2.0	3.14	38.1°	2449 601
2.5	3.92	38.1°	1567 388
3.0	4.70	38.1°	1088 287

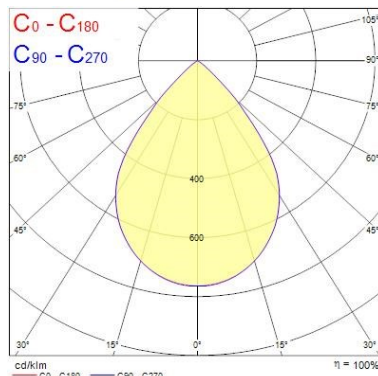
Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0 - C180 (Half beam angle: 76.2°)

Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	37969 8803
0.5	0.84	40.1°	
1.0	1.68	40.1°	9492 2152
1.5	2.53	40.1°	4219 945
2.0	3.37	40.1°	2373 581
2.5	4.21	40.1°	1519 342
3.0	5.05	40.1°	1056 268

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0 - C180 (Half beam angle: 80.2°)

Distance [m]	Cone diameter [m]	E(0°) E(C90) E(C0)	39240 9636
0.5	0.78	38.1°	
1.0	1.57	38.1°	9810 2409
1.5	2.35	38.1°	4360 1071
2.0	3.14	38.1°	2453 602
2.5	3.92	38.1°	1570 388
3.0	4.70	38.1°	1090 286

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0 - C180 (Half beam angle: 76.2°)



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### TECHNICAL DRAWINGS

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