

DeltaWing LED - Emergency 3 hour

DELTAWING LED50 EB 3K E3 1200
0044878



Product features

- Low profile surface and suspended LED diffuser luminaire, 1218mm x 200mm, 3000K Warm White, Electronic, Emergency 3 hour maintained, 5029lm, 53W, lifespan: 55,000 hours L90B10, A++ A+ A



PRODUCT OVERVIEW

Product name	DELTAWING LED50 EB 3K E3 1200
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
Environment	Internal
General application	Education, Hospitality, Logistics & Industry, Office, Retail
ETIM Class	EC002892
Warranty	5 years
Fixture luminous flux (lm)	5029
Luminaire efficacy (lm/W)	94.88
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Beam Angle (°)	103
Glare control	< 22
Photobiological Risk Group	RG1
Total power consumption (W)	53
Product Voltage (V)	240
Electrical protection	Class I
Control gear type	Electronic ballast
Dimmable	No
Minimum dimming level (%)	99
LED Flickering Rate	Ultra low (5% or less)
Housing colour	White
IP rating	IP44
IK rating	IK08
Product EAN number	5410288448787
Luminous flux (emergency) (lm)	550

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DATA TABLE

General data

Product name	DELTAWING LED50 EB 3K E3 1200
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
Environment	Internal
General application	Education, Hospitality, Logistics & Industry, Office, Retail
Operating temperature range (°C)	-10°C - 25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	5029
Luminaire efficacy (lm/W)	94.88
LOR (%)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Adjustable chromaticity	N
Beam Angle (°)	103
Glare control	< 22
Photobiological Risk Group	RG1
Emergency duration (h)	3.0

Electrical data

Total power consumption (W)	53
Mains voltage (V)	220-240V~
Product Voltage (V)	240
Lamp power factor	0.95
Electrical protection	Class I
Control gear type	Electronic ballast
Transformer required	Yes
Dimmable	No
Minimum dimming level (%)	99
Drive current (mA)	450
Inrush Current (A)	45
Inrush Duration (µs)	100
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	31

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Max. Luminaires per 16A C Breaker	51
Max. Luminaires per 20A C Breaker	62
Max. Luminaires per 10A B Breaker	19
Max. Luminaires per 16A B Breaker	30
Max. Luminaires per 20A B Breaker	37

Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	100000
Lifespan L90 B10	55800

Physical data

Housing colour	White
IP rating	IP44
IK rating	IK08
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1218
Nominal Product Width (mm)	200
Nominal Product Height (mm)	85
Weight (kg)	3.6

Packaging

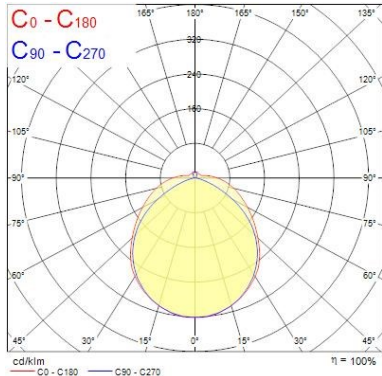
Single packaging type	Carton
Product EAN number	5410288448787
Packaging single length / height (cm)	122.0
Packaging single width (cm)	9.0
Packaging single depth (cm)	22.5
DUN14 (outer)	05410288448787
Units per outer package	1
Packaging outer length / height (cm)	122.0
Packaging outer width (cm)	9.0
Packaging outer depth (cm)	22.5

Safety data

Optimal operating condition (°C)	-10-25
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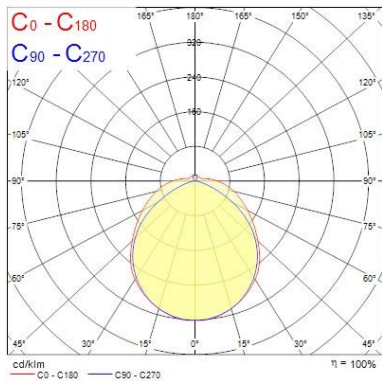
PHOTOMETRY

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Distance [m]	Cone diameter [m]	E _{0°} [lx]	E _{1.4°} [lx]	E _{55.2°} [lx]
0.5	1.25 1.44	6481	737	601
1.0	2.51 2.88	1615	187	150
1.5	3.76 4.32	715	87	67
2.0	5.01 5.76	404	48	38
2.5	6.26 7.19	258	31	24
3.0	7.52 8.63	179	20	17

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 110.4°)
 — C90 - C270 (Half beam angle: 102.2°)



Distance [m]	Cone diameter [m]	E _{0°} [lx]	E _{1.4°} [lx]	E _{55.2°} [lx]
0.5	1.25 1.44	707	86	68
1.0	2.51 2.88	177	22	16
1.5	3.76 4.32	79	10	7
2.0	5.01 5.76	44	5	4
2.5	6.26 7.19	28	3	3
3.0	7.52 8.63	20	2	2

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 110.4°)
 — C90 - C270 (Half beam angle: 102.2°)

TECHNICAL DRAWINGS

