

OPPLE



LED PORTFOLIO

OPPLE.COM

Version April 2017 International
Professional Lighting

Opple Lighting

OPPLE - Your LED Partner

At Opple we bring affordable and good quality LED lighting products from our European warehouses to you. We work with the most professional and recognized distribution partners to specify and distribute Opple products in the most efficient way to you.

OPPLE is a family owned company with more than 20 years of experience in lighting. Since last year Opple is stock-listed at the Shanghai stock exchange and ranked in the top 10 of leading lighting brands in the world. Active in more than 70 countries we bring friendly service by professional staff close to you. More than 6,000 enthusiastic employees work every day in regional sales offices around the world and on our campus in China. Our manufacturing facilities as well as our R&D laboratories are ISO and TUV certified. There are around 4,000 OPPLE stores and more than 40,000 points of sale worldwide.

We strive for an experience beyond your expectation, to make sure you are successful with Opple. We keep things simple, we act fast and deliver what we promise. Opple people make it possible: we go the Xtra mile for the love of lighting and the passion to serve you.

We Care - We Dare - We are Opple



Jeroen Janssen
Managing Director Opple Lighting Europe



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**NEW
3000K
+ WHITE
VERSION**

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Lightmaster



Lightmaster

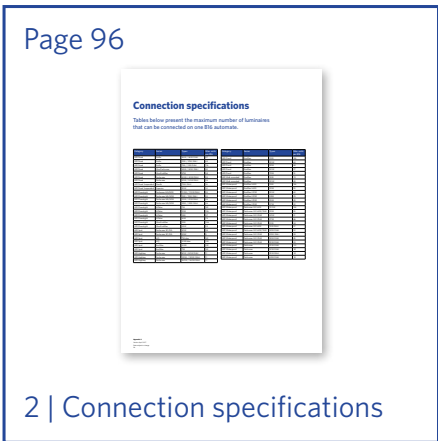
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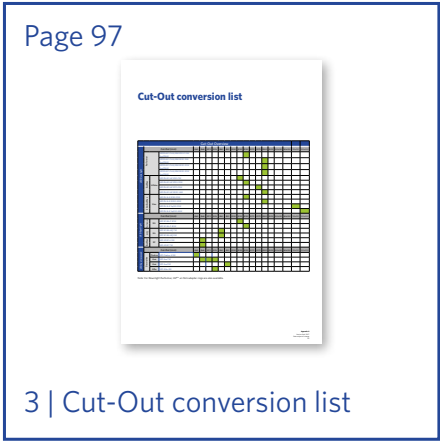


2 | Connection specifications

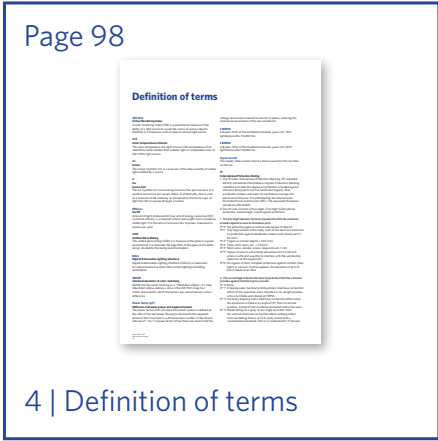
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Cut-Out conversion list

3 | Cut-Out conversion list



3 | Cut-Out conversion list

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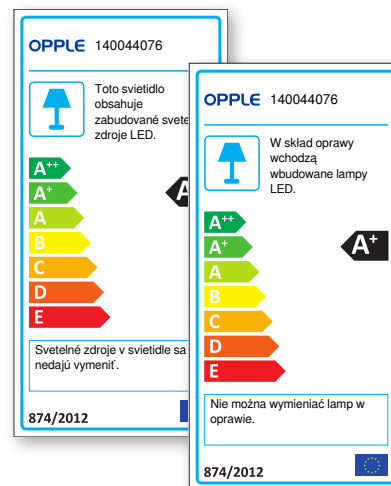
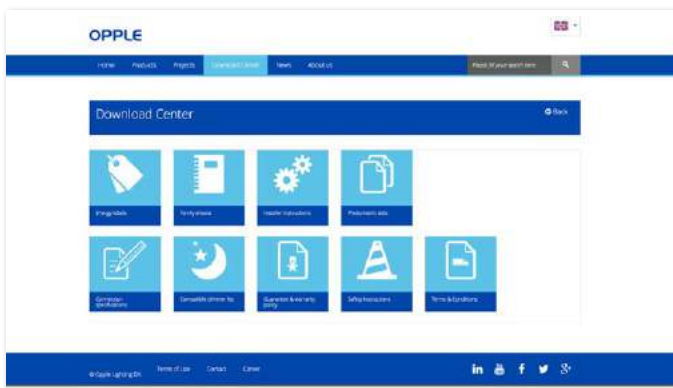
4 | Definition of terms



What to find in the Oppla Download Center (www.oppla.com)

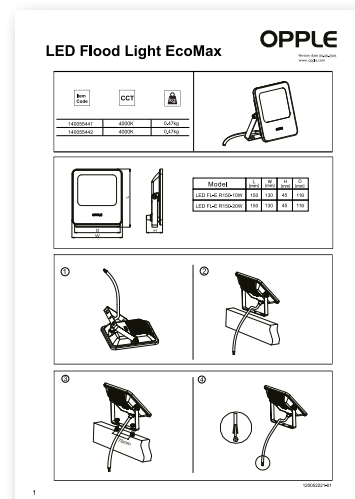
www.oppla.com

Energy labels



Family sheets

Installer instructions



Compatible dimmer list

Photometric data

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Ruimte 2 / Samenlating Ruimte

Hoogte van de ruimte: 3.000 m, Werkvlakhoogte: 0.800 m, Randzone: 0.000 m
 Reflectiegraad: Plafond 71.1%, Wanden 55.3%, Vloer 20.0%, Betrachter 9.90

Werkvlak

Vlak	Resultaat	Middel (gewenst)	Min	Max	Min/Gemiddeld	Max/Max
1 Werkvlak 2 Luchtwijde verlichtingssterkte (lx) 474 (500)			1.43	649	0.003	0.002

Nr. Bids

1	24	OPTILE Lighting Co., Ltd. 14508497163@panluo-3 3 RAL30-360-4200-WH-C1 Lichtbron: armatuur 1400 mm Vermogen: 328 W Lichtrendement: 106 Lm/W	

Totaal armatuurverlichting: 30000 lm, Totaal vermogen: 811.2 W, Lichtrendement: 106.1 lm/W
 Specifiek aanpakverlichting: 7.83 W/m² = 1.83 W/m² (12) in Oppervlakte: 163.64 m²

Connection specifications

Safety Instructions

[illegible]

OPPLE

Model Name: OPPL-LED
Power: 10W

①

↑

②

ON

Art. Code: 1408M4C20 App4®

ON 100% OFF ON 25% OFF

UL LISTED CE ROHS REACH EN 60598 IP20

Hospital School Office Hotel Restaurant Kitchen Living Room Bedroom Hallway Entrance Staircase

Indoor Ceiling Lighting Fixture
10Watt
Anti-Glare, Energy-Saving,
Long Lifetime, Low Heat Output,
No Flicker, No Hum, No Noise,
No Electromagnetic Interference,
Eco-Friendly.

OPPLE Lighting Co., Ltd.
Address: No. 100, Zhongyuan Road,
Jingmen City, Hubei Province,
China
Website: www.opple.com.cn

Guarantee & Warranty policy

Terms & conditions

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LED Panel Recessed Grille

Features

- Office compliant UGR<16
- System efficacy up to 113 lm/W
- Extended lifespan of 70,000 hours
- Can be recessed & surface mounted

Benefits

- Comfortable lighting, making it easier to work and study
- Directly replaces existing T5 and T8 fixtures
- Significantly lower energy consumption of up to 50%
- High reliability and low maintenance costs

Application



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140043967	LEDPanelRc-G Sq598-36W-3000-WH-CT	36	3800	106	0.18A	≥80	3000	70,000	50,000	6956321843472
140043968	LEDPanelRc-G Sq598-36W-4000-WH-CT	36	4050	113	0.18A	≥80	4000	70,000	50,000	6956321843489
140043971	LEDPanelRc-G Re298-36W-3000-WH-CT	36	3800	106	0.18A	≥80	3000	70,000	50,000	6956321843458
140043972	LEDPanelRc-G Re298-36W-4000-WH-CT	36	4050	113	0.18A	≥80	4000	70,000	50,000	6956321843465
140043973	LEDPanelRc-G Re166-21W-3000-WH-CT	21	2000	95	0.10A	≥80	3000	70,000	50,000	6956321843434
140043974	LEDPanelRc-G Re166-21W-4000-WH-CT	21	2090	100	0.10A	≥80	4000	70,000	50,000	6956321843441
140043969	LEDPanelRc-G Sq298-11W-3000-WH-CT	11	1050	95	0.06A	≥80	3000	70,000	50,000	6956321843410
140043970	LEDPanelRc-G Sq298-11W-4000-WH-CT	11	1090	99	0.06A	≥80	4000	70,000	50,000	6956321843427
140046181	LEDPanelRc-G Sq598-36W-DALI-3000-WH-CT	36	3450	96	0.18A	≥80	3000	70,000	50,000	6956321864415
140046182	LEDPanelRc-G Sq598-36W-DALI-4000-WH-CT	36	3690	103	0.18A	≥80	4000	70,000	50,000	6956321864422
140046185	LEDPanelRc-G Re298-36W-DALI-3000-WH-CT	36	3450	96	0.18A	≥80	3000	70,000	50,000	6956321864439
140046186	LEDPanelRc-G Re298-36W-DALI-4000-WH-CT	36	3690	103	0.18A	≥80	4000	70,000	50,000	6956321864446
140046187	LEDPanelRc-G Re166-21W-DALI-3000-WH-CT	21	1800	86	0.10A	≥80	3000	70,000	50,000	6956321859107
140046188	LEDPanelRc-G Re166-21W-DALI-4000-WH-CT	21	1900	90	0.10A	≥80	4000	70,000	50,000	6956321860950
140046183	LEDPanelRc-G Sq298-13W-DALI-3000-WH-CT	13	930	72	0.05A	≥80	3000	70,000	50,000	6956321864453
140046184	LEDPanelRc-G Sq298-13W-DALI-4000-WH-CT	13	990	76	0.05A	≥80	4000	70,000	50,000	6956321864460

Available on request with 3- or 5- or 3+2 pole Wieland GST18i connector
Emergency lighting available on request

Accessories

Item Code	Item Description	EAN1	Weight (kg/pc)
140044054	LEDPanelRc-G Sq598-Surface Module-CT	6956321843557	2.5
140044055	LEDPanelRc-G Re298-Surface Module-CT	6956321843564	2.6
140044057	LEDPanelRc-G Re166-Surface Module-CT	6956321843502	2.0
140044056	LEDPanelRc-G Sq298-Surface Module-CT	6956321843496	0.8

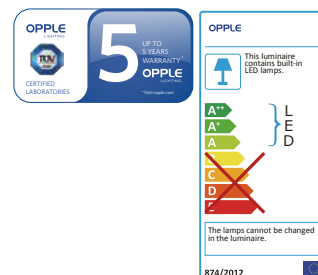


Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	3
Dimmable	No/Yes (DALI)
Beam angle (°)	90
Colour of finish	White RAL9003
UGR	16
IP	20
IK	02
Protection class	I
Integrated driver (Yes/No)	Yes
Glow wire test	650°C
Driver failure rate	1% at 5,000 hrs
Weight (kg/pc)	4.12 / 1.40 / 5.33 / 3.31
PF	0.9

Electrical Supply	
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties	
Housing material	Coated Steel
Optical material	Plastic

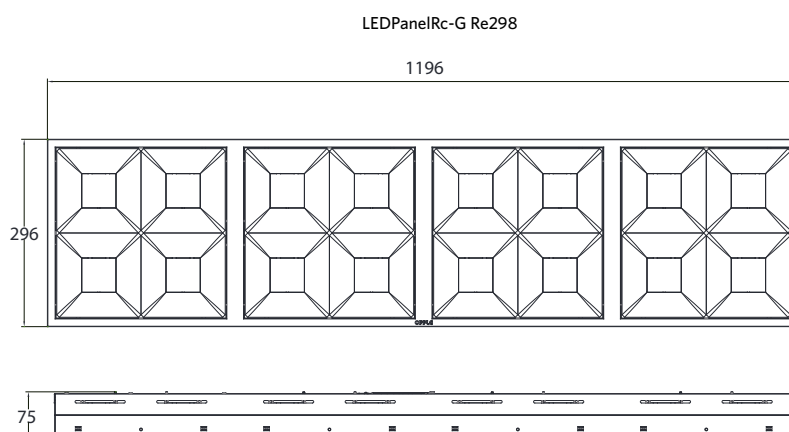
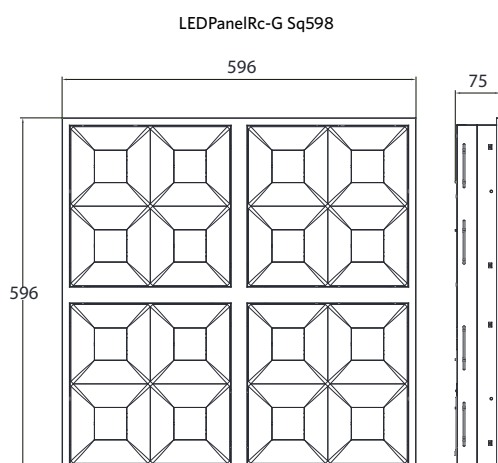
Application Conditions	
Operating temperature	-10 ~ +40°C
Application temperature	25°C
Storage environment	-25 ~ +50°C



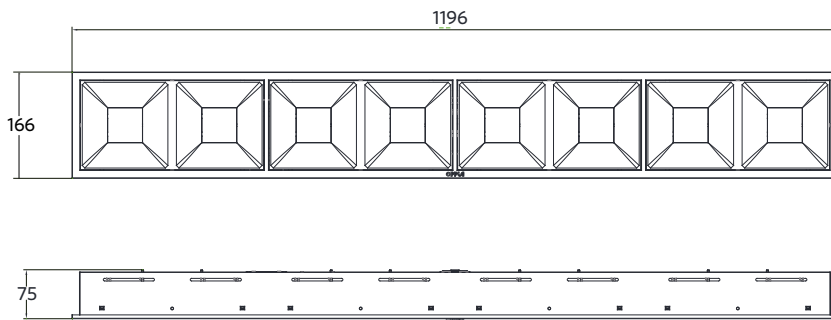
Product and packaging information

Item			Single box (1pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1
140043969	LEDPanelRc-G Sq298-11W-3000-WH-CT	75x298x298	145x390x390	2.3	6956321843410
140043970	LEDPanelRc-G Sq298-11W-4000-WH-CT	75x298x298	145x390x390	2.3	6956321843427
140043973	LEDPanelRc-G Re166-21W-3000-WH-CT	75x166x1196	106x244x1278	4.5	6956321843434
140043974	LEDPanelRc-G Re166-21W-4000-WH-CT	75x166x1196	106x244x1278	4.5	6956321843441
140043971	LEDPanelRc-G Re298-36W-3000-WH-CT	75x296x1196	190x455x1355	8.3	6956321843458
140043972	LEDPanelRc-G Re298-36W-4000-WH-CT	75x296x1196	190x455x1355	8.3	6956321843465
140043967	LEDPanelRc-G Sq598-36W-3000-WH-CT	75x596x596	190x755x755	8.0	6956321843472
140043968	LEDPanelRc-G Sq598-36W-4000-WH-CT	75x596x596	190x755x755	8.0	6956321843489
140046183	LEDPanelRc-G Sq298-13W-DALI-3000-WH-CT	75x296x296	133x370x370	2.3	6956321864453
140046184	LEDPanelRc-G Sq298-13W-DALI-4000-WH-CT	75x296x296	133x370x370	2.3	6956321864460
140046187	LEDPanelRc-G Re166-21W-DALI-3000-WH-CT	75x166x1196	127x243x1285	4.5	6956321859107
140046188	LEDPanelRc-G Re166-21W-DALI-4000-WH-CT	75x166x1196	127x243x1285	4.5	6956321860950
140046185	LEDPanelRc-G Re298-36W-DALI-3000-WH-CT	75x296x1196	127x395x1285	8.3	6956321864439
140046186	LEDPanelRc-G Re298-36W-DALI-4000-WH-CT	75x296x1196	127x395x1285	8.3	6956321864446
140046181	LEDPanelRc-G Sq598-36W-DALI-3000-WH-CT	75x596x596	127x695x695	8.0	6956321864415
140046182	LEDPanelRc-G Sq598-36W-DALI-4000-WH-CT	75x596x596	127x695x695	8.0	6956321864422
140044054	LEDPanelRc-G Sq598-Surface Module-CT	88x596x596	106x678x678	5.5	6956321843557
140044055	LEDPanelRc-G Re298-Surface Module-CT	88x296x1196	106x378x1278	4.4	6956321843564
140044056	LEDPanelRc-G Sq298-Surface Module-CT	88x296x296	145x390x390	1.6	6956321843496
140044057	LEDPanelRc-G Re166-Surface Module-CT	88x166x1196	106x244x1278	3.4	6956321843502

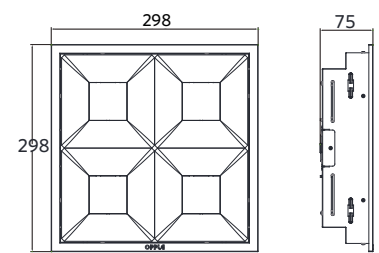
Dimensional Drawing (mm)



LEDPanelRc-G Re166

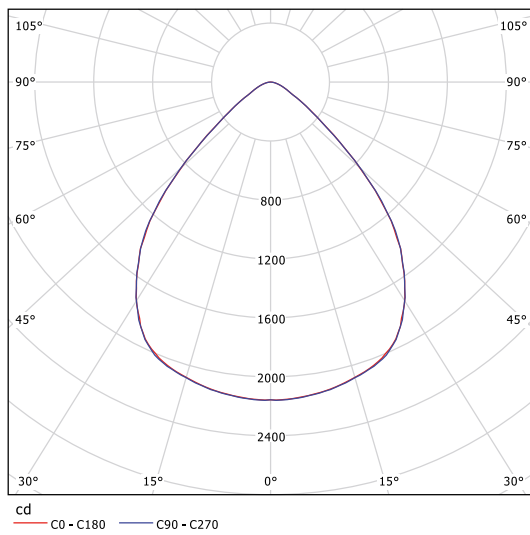


LEDPanelRc-G Sq298

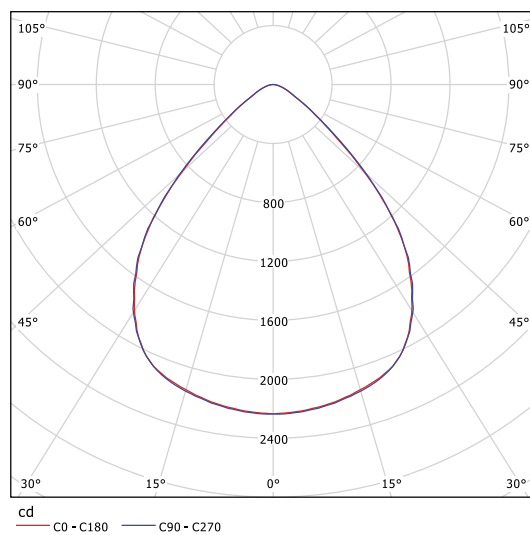


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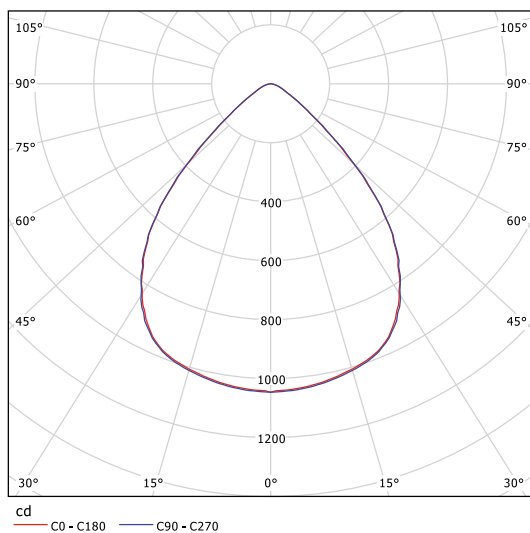
LEDPanelRc-G Sq598-36W-4000K



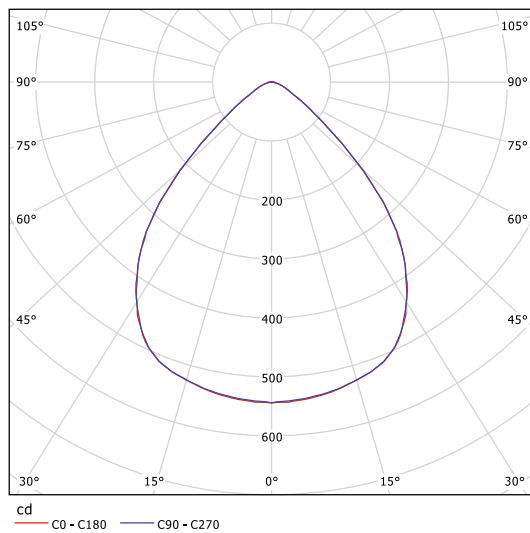
LEDPanelRc-G Re298-36W-4000K

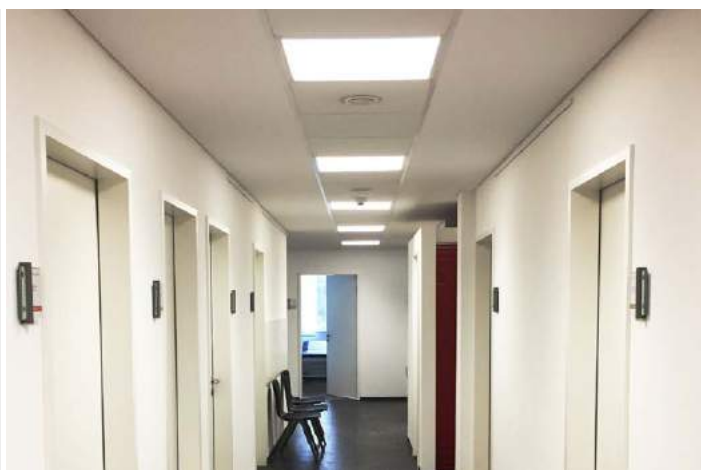


LEDPanelRc-G Re166-21W-4000K



LEDPanelRc-G Sq298-11W-4000K





LED Slim Panel Performer UGR19

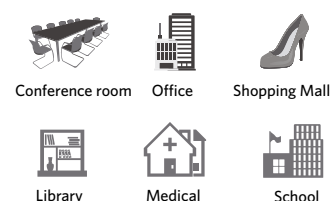
Features

- High efficacy of up to 100 lm/W, combined with office compliant UGR19
- High colour rendering and good lighting uniformity
- Durable with lifespan up to 70,000 hours
- Recessed and suspended mounting possible
- Including 1.5m cable
- NEW: also available in 6500K versions

Benefits

- Outstanding performance and value for money
- Low glare luminaire brings comfort to working and study environments
- Up to 50% lower energy consumption vs TL

Application



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140055990	LEDPanelRc-SI-P Sq595-34W-3000-WH	34	3200	94	0.17A	≥80	3000	70,000	50,000	6956321880897
140055991	LEDPanelRc-SI-P Sq595-34W-4000-WH	34	3400	100	0.17A	≥80	4000	70,000	50,000	6956321880903
140059815	LEDPanelRc-SI-P Sq595-34W-6500-WH	34	3400	100	0.17A	≥80	6500	70,000	50,000	6956321892425
140055992	LEDPanelRc-SI-P Re295-34W-3000-WH	34	3200	94	0.17A	≥80	3000	70,000	50,000	6956321880910
140055993	LEDPanelRc-SI-P Re295-34W-4000-WH	34	3400	100	0.17A	≥80	4000	70,000	50,000	6956321880927
140059816	LEDPanelRc-SI-P Re295-34W-6500-WH	34	3400	100	0.17A	≥80	6500	70,000	50,000	6956321892432
140055996	LEDPanelRc-SI-P Sq595-34W-DALI-3000-WH	34	3200	94	0.17A	≥80	3000	70,000	50,000	6956321880958
140055997	LEDPanelRc-SI-P Sq595-34W-DALI-4000-WH	34	3400	100	0.17A	≥80	4000	70,000	50,000	6956321880965
140059818	LEDPanelRc-SI-P Sq595-34W-DALI-6500-WH	34	3400	100	0.17A	≥80	6500	70,000	50,000	6956321892456
140055998	LEDPanelRc-SI-P Re295-34W-DALI-3000-WH	34	3200	94	0.17A	≥80	3000	70,000	50,000	6956321880972
140055999	LEDPanelRc-SI-P Re295-34W-DALI-4000-WH	34	3400	100	0.17A	≥80	4000	70,000	50,000	6956321880989
140059819	LEDPanelRc-SI-P Re295-34W-DALI-6500-WH	34	3400	100	0.17A	≥80	6500	70,000	50,000	6956321892463

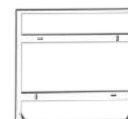
Available on request with 3- or 5- or 3+2 pole Wieland GST18i connector
Surface mounting, spring clips and suspension accessories are available
Emergency lighting available on request

Accessories

Item Code	Item Description	EAN1	Length (mm)	Weight (kg/pc)
140057770	LEDPanelRc-SI-Mounting-Springs-595	6956321888121		2.4
140048490	LEDPanel-SI-Suspension-Kit	6956712627681	1280	0.1
140055484	LEDPanelRc-SI Sq600-Surface-Module-WH-CT	6956321879808	600	2.3
140055486	LEDPanelRc-SI Re300-Surface-Module-WH-CT	6956321879822	1200	2.5

Suspension kit

Surface module



Mounting springs

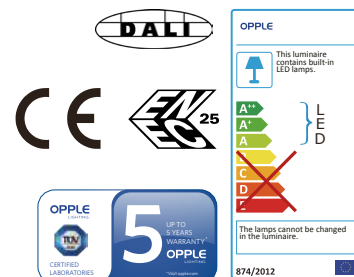


Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	3
Dimmable	Yes (DALI)
Colour of finish	White RAL9003
UGR	19
IP	20
IK	02
Protection class	II
Integrated driver (Yes/No)	Yes, can be separated
Glow wire test	650°C
Driver failure rate	1% at 5,000hrs
Weight (kg/pc)	4.5
PF	0.9

Electrical Supply	
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties	
Housing material	Extrusion Aluminium, White Coating
Optical material	Plastic

Application Conditions	
Operating temperature	-10 - +40°C
Application temperature	25°C
Storage environment	-40 - +85°C



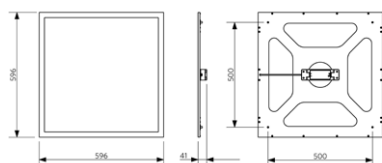
Packaging information

Item			Single box (1pc/box)			Outer box (3pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140055990	LEDPanelRc-SI-P Sq595-34W-3000-WH	9 x 595 x 595	670 x 70 x 680	5.5	6956321880897	690 x 245 x 704	17.8	6956321887759
140055991	LEDPanelRc-SI-P Sq595-34W-4000-WH	9 x 595 x 595	670 x 70 x 680	5.5	6956321880903	690 x 245 x 704	17.8	6956321887766
140059815	LEDPanelRc-SI-P Sq595-34W-6500-WH	9 x 595 x 595	670 x 70 x 680	5.5	6956321892425	690 x 245 x 704	17.8	6956321892586
140055992	LEDPanelRc-SI-P Re295-34W-3000-WH	9 x 295 x 1195	70 x 380 x 1270	5.9	6956321880910	1290 x 245 x 404	19.3	6956321887773
140055993	LEDPanelRc-SI-P Re295-34W-4000-WH	9 x 295 x 1195	70 x 380 x 1270	5.9	6956321880927	1290 x 245 x 404	19.3	6956321888923
140059816	LEDPanelRc-SI-P Re295-34W-6500-WH	9 x 295 x 1195	1270 x 70 x 380	5.9	6956321892432	1290 x 245 x 404	19.3	6956321892593
140055996	LEDPanelRc-SI-P Sq595-34W-DALI-3000-WH	9 x 595 x 595	670 x 70 x 680	5.5	6956321880958	715 x 245 x 729	19.3	6956321888954
140055997	LEDPanelRc-SI-P Sq595-34W-DALI-4000-WH	9 x 595 x 595	670 x 70 x 680	5.5	6956321880965	715 x 245 x 729	19.3	6956321888961
140059818	LEDPanelRc-SI-P Sq595-34W-DALI-6500-WH	9 x 595 x 595	670 x 70 x 680	5.5	6956321892456	690 x 245 x 704	17.8	6956321892616
140055998	LEDPanelRc-SI-P Re295-34W-DALI-3000-WH	9 x 295 x 1195	1270 x 70 x 380	5.9	6956321880972	690 x 245 x 704	17.8	6956321888978
140055999	LEDPanelRc-SI-P Re295-34W-DALI-4000-WH	9 x 295 x 1195	1270 x 70 x 380	5.9	6956321880989	690 x 245 x 704	17.8	6956321888985
140059819	LEDPanelRc-SI-P Re295-34W-DALI-6500-WH	9 x 295 x 1195	1270 x 70 x 380	5.9	6956321892463	1290 x 245 x 404	19.3	6956321892623
140057770	LEDPanelRc-SI-Mounting-Springs-595	43 x 33 x 26	80 x 80 x 53		6956321888121	255 x 230 x 185		6956321889371
140048490	LEDPanel-SI-Suspension-Kit		130 x 130 x 30		6956712627681	320 x 280 x 148		6956321888985
140055484	LEDPanelRc-SI Sq600-Surface-Module-WH-CT	600 x 600 x 65	690 x 690 x 118	3.5	6956321879808			
140055486	LEDPanelRc-SI Re300-Surface-Module-WH-CT	1200 x 300 x 65	1290 x 390 x 118	3.8	6956321879822			

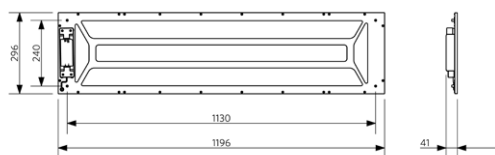
Dimensional Drawing (mm)

Installation Opening Drawing (mm)

LEDPanelRc-SI-P Sq595



LEDPanelRc-SI-P Re295



LEDPanelRc-SI-P Sq595
580 x 580

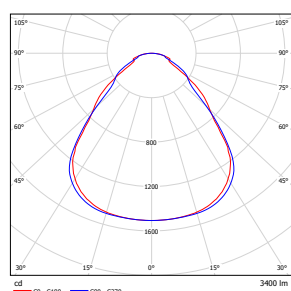


LEDPanelRc-SI-P Re295
180 x 280

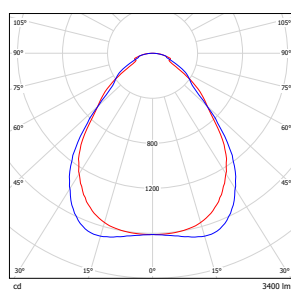


Photometric Data

LEDPanelRc-SI-P Sq595



LEDPanelRc-SI-P Re295





LED Slim Panel EcoMax UGR22

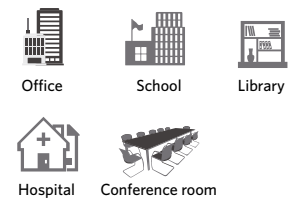
Features

- Edge-lit LED technology to reduce thickness to 8 mm
- Microstructural optical design combines high uniformity with high output (up to 95 lm/W)
- Suspension kit and ceiling clip accessories
- Durable lifespan up to 50,000 hours
- NEW: also available in 6500K versions

Benefits

- Thin lofty design suitable for suspension
- Significant energy savings due to high efficiency

Application



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	UGR	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140052822	LEDPanelRc-SI-E Sq595-37W-3000-WH	37	3400	92	0.18A	≥80	22	3000	50,000	30,000	6956712647566
140052823	LEDPanelRc-SI-E Sq595-37W-4000-WH	37	3500	95	0.18A	≥80	22	4000	50,000	30,000	6956712647573
140059962	LEDPanelRc-SI-E Sq595-37W-6500-WH	37	3500	95	0.18A	≥80	22	6500	50,000	30,000	6956712633538
140057922	LEDPanelRc-SI-E Re295-37W-3000-WH	37	3400	92	0.18A	≥80	22	3000	50,000	30,000	6956321888138
140057923	LEDPanelRc-SI-E Re295-37W-4000-WH	37	3500	95	0.18A	≥80	22	4000	50,000	30,000	6956321888121
140059963	LEDPanelRc-SI-E Re295-37W-6500-WH	37	3500	95	0.18A	≥80	22	6500	50,000	30,000	6956712633545

Accessories

Item Code	Item Description	EAN1	Weight (kg/pc)
140055484	LEDPanelRc-SI Sq600-Surface-Module-WH-CT	6956321879808	2.3
140055486	LEDPanelRc-SI Re300-Surface-Module-WH-CT	6956321879822	2.5
140053150	LEDPanelRc-SI-E Mounting-Springs	6956712647900	0.5
140055365	LEDPanel-SI-E-Suspension-Kit	6956712682802	0.15

Available on request with 3- pole Wieland GST18i connector

Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	4
Dimmable	NO
Colour of finish	White RAL9003
UGR	22
IP	20
IK	02
Protection class	II
Integrated driver (Yes/No)	Yes, can be separated
Glow wire test	650°C
Driver failure rate	1% at 5,000 hrs
Weight (kg/pc)	3.3 (595 types)
PF	0.9

Electrical Supply	
Frequency (Hz)	50 / 60
Voltage (V)	100-240
AC / DC	AC

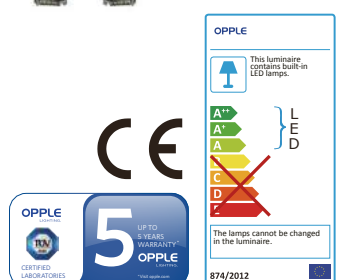
Mechanical Properties	
Housing material	Powder coated sheet metal
Optical material	Polycarbonate

Application Conditions	
Operating temperature	-25 to +50
Application temperature	+25
Storage environment	-25-50°C

Suspension kit Surface module



Mounting springs

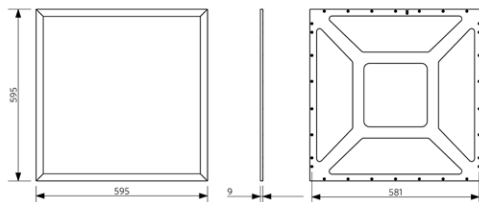


Product and packaging information

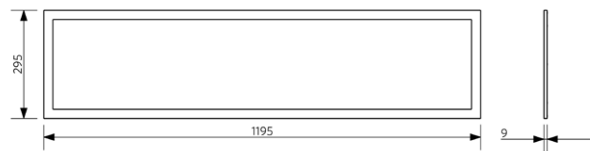
Item			Single box (1pc/box)			Outer box (4pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140052822	LEDPanelRc-SI-E Sq595-37W-3000-WH	595 x 595 x 8,5	42 x 650 x 690	4.0	6956712647566	192 x 665 x 718	17.3	6956712658532
140052823	LEDPanelRc-SI-E Sq595-37W-4000-WH	595 x 595 x 8,5	42 x 650 x 690	4.0	6956712647573	192 x 665 x 718	17.3	6956712658549
140059962	LEDPanelRc-SI-E Sq595-37W-6500-WH	595 x 595 x 8,5	42 x 547 x 690	4.0	6956712633538	665 x 192 x 712	16.1	6956712614605
140057922	LEDPanelRc-SI-E Re295-37W-3000-WH	1195 x 295 x 8,5	80x80x53	4.2	6956321888138	255 x 230 x 185	16.7	6956321889364
140057923	LEDPanelRc-SI-E Re295-37W-4000-WH	1195 x 295 x 8,5	80x80x53	4.2	6956321888121	255 x 230 x 185	16.7	6956321889371
140059963	LEDPanelRc-SI-E Re295-37W-6500-WH	1195 x 295 x 8,5	42 x 1320 x 385	4.2	6956712633545	1340 x 192x410	16.7	6956712614612
140055484	LEDPanelRc-SI Sq600-Surface-Module-WH-CT	600 x 600 x 65	690 x 690 x 118	3.5	6956321879808			
140055486	LEDPanelRc-SI Re300-Surface-Module-WH-CT	1200 x 300 x 65	1290 x 390 x 118	3.8	6956321879822			
140053150	LEDPanelRc-SI-E Mounting-Springs			0.1	6956712647900	280 x 380 x 200	12.3	6956712682888
140055365	LEDPanel-SI-E-Suspension-Kit			0.1	6956712682802	280 x 430 x 260	16.3	6956712682895

Dimensional Drawing (mm)

LEDPanelRc-SI-E Sq595-37W

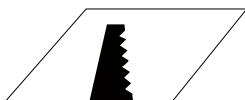


LEDPanelRc-SI-E Re295-37W



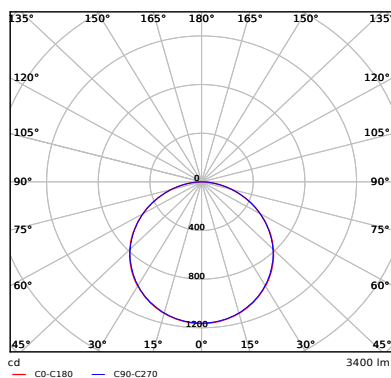
Installation Opening Drawing (mm)

LEDPanelRc-SI-E Re295-37W
570x570



Photometric Data

LEDPanelRc-SI-E Re295-37W





LED Panel Suspended Zenith

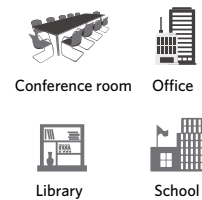
Features

- Stylish design panel with low height and translucent sides
- Standard equipped with UGR19 diffuser
- High lumen output and high efficacy up to 100 lm/W
- Standard equipped with DALI dimming functionality
- Durable with lifespan up to 60,000 hours

Benefits

- Light up your offices and meeting rooms in an architectural way
- Save up to 50% energy compared to fluorescent solutions
- Special design luminaire distributes light both up and down, combining comfort and efficiency
- Lower energy and maintenance costs

Application



Specifications

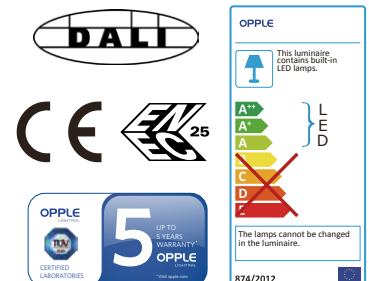
Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140054053	LEDPanelSp-Z L1222-80W-DALI-3000-AL	75	7125	95	0.33A	≥ 80	3000	60,000	40,000	6956321877071
140054054	LEDPanelSp-Z L1222-80W-DALI-4000-AL	75	7500	100	0.33A	≥ 80	4000	60,000	40,000	6956321877088

All codes include the required suspension kit
 Suspension length 2.5m
 Available on request with 5- or 2+3 pole Wieland GST18i connector

Technical Specifications	
On-/Off-cycles	100,000
Colour consistency (SDCM)	≤ 3
Dimming	Yes (DALI versions)
UGR	19
Finishing	Aluminium RAL 9006 or black
IP-grade	20
IK-grade	02
Integrated driver (Yes/No)	Yes
Glow wire test (°C)	650
Driver early failure rate	1% at 5,000 hrs
Product weight (kg)	4
Insulation class	Class I
PF	0.9

Electrical Supply	
Frequency (Hz)	50/60
Voltage (V)	220-240
AC / DC	AC
Mechanical Properties	
Housing material	Aluminium
Optical material	PMMA
Cover material	Semi-opaque PMMA

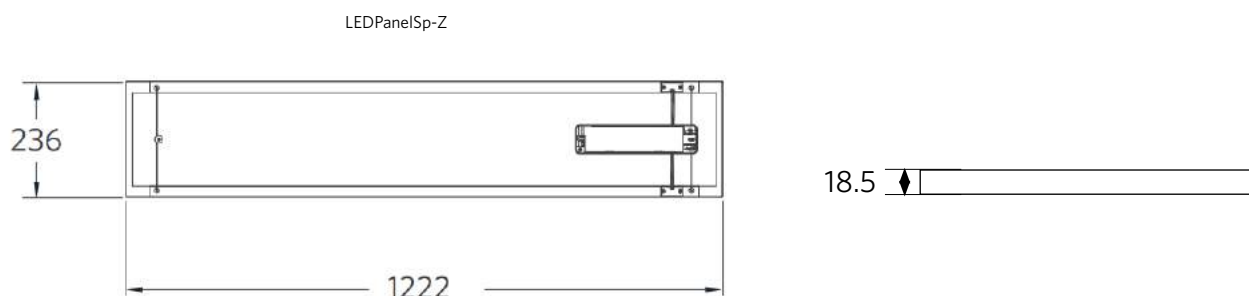
Application Conditions	
Operating temperature (°C)	-20 to +45
Reference temperature (°C)	25
Storage temperature (°C)	-25 to +50



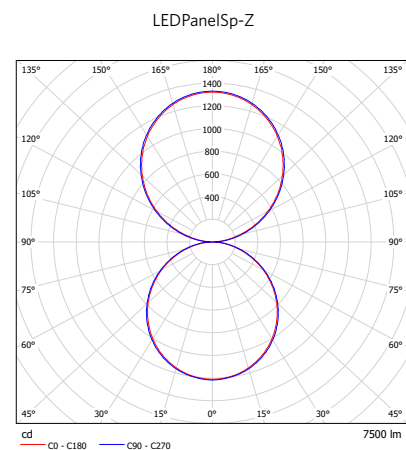
Product and packaging information

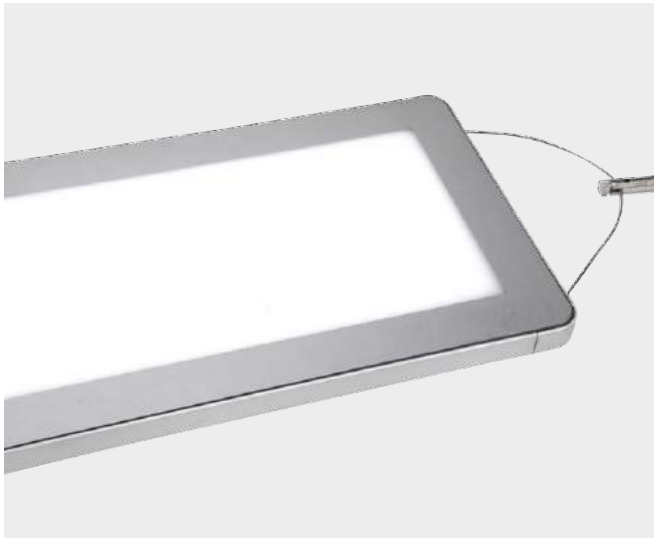
Item			Single box (1pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1
140054053	LEDPanelSp-Z L1222-80W-DALI-3000-AL	1222 x 236 x 18.5	1332 x 92 x 348	5.2	6956321877071
140054054	LEDPanelSp-Z L1222-80W-DALI-4000-AL	1222 x 236 x 18.5	1332 x 92 x 348	5.2	6956321877088

Dimensional Drawing (mm)



Photometric Data





LED Panel Suspended Superior

Features

- Ultra slim, stylish design
- Up to 88 lm/W of efficacy
- Professional design distributes light both up and down
- High light output combined with high visual comfort (UGR<19)
- Extremely reliable luminaire, up to 70,000 hours lifespan

Benefits

- Creates enjoyable and comfortable atmosphere
- Special design luminaire distributes light both up and down, combining comfort and efficiency
- Up to 50% lower energy consumption than traditional fluorescent TL luminaire
- Lower energy and maintenance costs

Application



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	UGR	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140044582	LEDPanelSp-S L1520-95W-3000-SI-CT	95	8000	84	0.48A	≥80	19	3000	70,000	50,000	6956321845629
140044580	LEDPanelSp-S L1520-95W-4000-SI-CT	95	8400	88	0.48A	≥80	19	4000	70,000	50,000	6956321845636
140044581	LEDPanelSp-S L1520-95W-3000-BL-CT	95	8000	84	0.48A	≥80	19	3000	70,000	50,000	6956321845643
140044579	LEDPanelSp-S L1520-95W-4000-BL-CT	95	8400	88	0.48A	≥80	19	4000	70,000	50,000	6956321845650

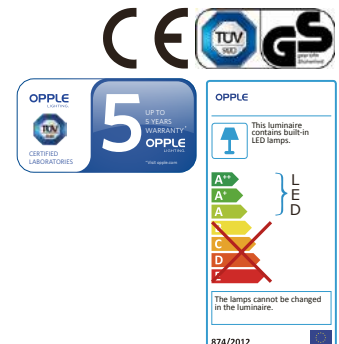
All codes include the required suspension kit
Suspension length 1.5m

Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	3
Dimmable	No
Beam angle (°)	110 up+down
Colour of finish	Aluminum RAL 9006 or mat black
UGR	19
IP	20
IK	02
Protection class	II
Integrated driver (Yes/No)	No
Glow wire test	650°C
Driver failure rate	1% at 5,000hrs
Weight (kg/pc)	6.54
PF	0.9

Electrical Supply	
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties	
Housing material	Coated Steel
Optical material	Plastic

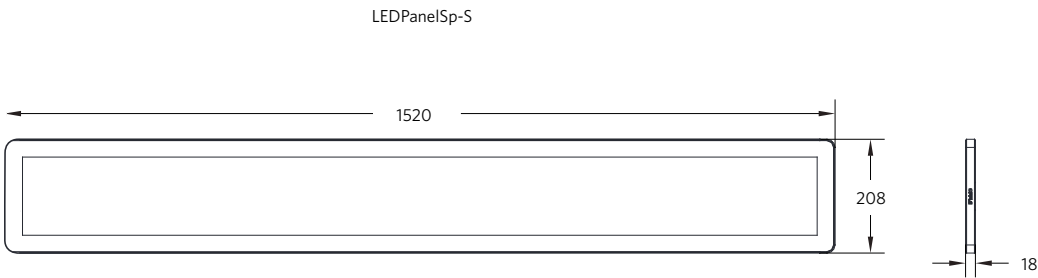
Application Conditions	
Operating temperature	-10 ~ +40°C
Application temperature	25°C
Storage environment	-25 ~ +50°C



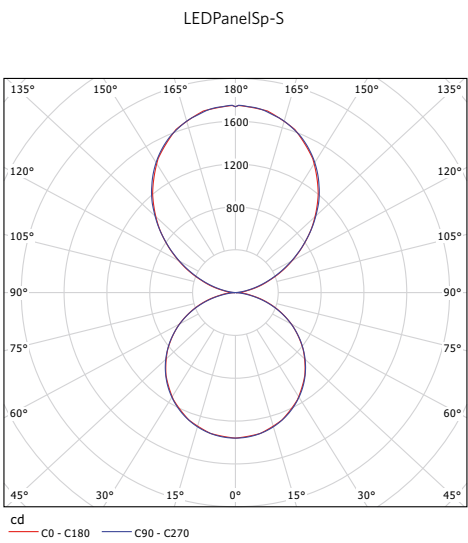
Product and packaging information

Item			Single box (1pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1
140044582	LEDPanelSp-S L1520-95W-3000-SI-CT	18x208x1520	70x295x1690	8.15	6956321845629
140044580	LEDPanelSp-S L1520-95W-4000-SI-CT	18x208x1520	70x295x1690	8.15	6956321845636
140044581	LEDPanelSp-S L1520-95W-3000-BL-CT	18x208x1520	70x295x1690	8.15	6956321845643
140044579	LEDPanelSp-S L1520-95W-4000-BL-CT	18x208x1520	70x295x1690	8.15	6956321845650

Dimensional Drawing (mm)



Photometric Data





LED Downlight Performer HG

Features

- Unique optical lens concept
- High efficacy (over 100 lm/W) combined with low glare (UGR<19 for most HG versions)
- Innovative and flat designs with common cut-out diameters of 150mm and 200mm
- Rigid heatsink from die-cast aluminum ensures high lifetime of 50,000 hours
- All versions available in different light colours and with DALI dimming
- Including protective foil

Benefits

- Diffuse light distribution with low glare for office users
- Direct replacement for compact fluorescent downlights - saving over 60% of energy costs
- Low build-in depth makes it suitable for almost any false ceiling
- Easy to install by prefit wire or by optional Wieland connector cables
- Suitable for retrofitting due to available adapter ring sizes
- Provided with protective foil in order to prevent the downlight from dust and dirt during the assembly

Application



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	UGR	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140057154	LEDDownlightRc-P-HG R150-11.5W-3000	11.5	1150	102	0.06A	≥80	19	3000	60.000	40.000	6956712692580
140057155	LEDDownlightRc-P-HG R150-11.5W-4000	11.5	1200	104	0.06A	≥80	19	4000	60.000	40.000	6956712692597
140057152	LEDDownlightRc-P-HG R200-15W-3000	15	1600	108	0.07A	≥80	19	3000	60.000	40.000	6956712692566
140057153	LEDDownlightRc-P-HG R200-15W-4000	15	1660	110	0.07A	≥80	19	4000	60.000	40.000	6956712692573
140057156	LEDDownlightRc-P-HG R200-23W-3000	23	2350	102	0.12A	≥80	19	3000	60.000	40.000	6956712692603
140057157	LEDDownlightRc-P-HG R200-23W-4000	23	2400	104	0.12A	≥80	19	4000	60.000	40.000	6956712692610
140057158	LEDDownlightRc-P-HG R200-33W-3000	33	3360	105	0.16A	≥80	22	3000	60.000	40.000	6956712692627
140057159	LEDDownlightRc-P-HG R200-33W-4000	33	3500	107	0.16A	≥80	22	4000	60.000	40.000	6956712692634
140057162	LEDDownlightRc-P-HG R150-11.5W-DALI-3000	11.5	1150	100	0.06A	≥80	19	3000	60.000	40.000	6956712692665
140057163	LEDDownlightRc-P-HG R150-11.5W-DALI-4000	11.5	1200	102	0.06A	≥80	19	4000	60.000	40.000	6956712692672
140057160	LEDDownlightRc-P-HG R200-15W-DALI-3000	15	1600	105	0.07A	≥80	19	3000	60.000	40.000	6956712692641
140057161	LEDDownlightRc-P-HG R200-15W-DALI-4000	15	1660	107	0.07A	≥80	19	4000	60.000	40.000	6956712692658
140057164	LEDDownlightRc-P-HG R200-23W-DALI-3000	23	2350	100	0.12A	≥80	19	3000	60.000	40.000	6956712692689
140057165	LEDDownlightRc-P-HG R200-23W-DALI-4000	23	2400	102	0.12A	≥80	19	4000	60.000	40.000	6956712692696
140057166	LEDDownlightRc-P-HG R200-33W-DALI-3000	33	3360	103	0.16A	≥80	22	3000	60.000	40.000	6956712692702
140057167	LEDDownlightRc-P-HG R200-33W-DALI-4000	33	3500	105	0.16A	≥80	22	4000	60.000	40.000	6956712692719

Available on request with 5- or 2+3 pole Wieland GST18i connector
Emergency lighting available on request

Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	≥4
Dimmable	No / Yes (DALI)
Beam angle (°)	75
Colour of finish	White RAL9003
IP	44 - Exposed part 20 - Recessed part
IK	02
Protection class	II
Integrated driver (Yes/No)	No
Glow wire test	650°C
Driver failure rate	1% at 5,000hrs
Weight (kg/pc)	0.45 / 0.67
PF	0.9

Electrical Supply	
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC
Mechanical Properties	
Housing material	Die-casting Aluminum
Optical material	Aluminum Coated PC
Application Conditions	
Operating temperature	-10 - +40°C
Application temperature	25°C
Storage environment	-25 - +50°C



Accessories

Item Code	Item Description	EAN1	Weight (kg/pc)
140060646	LEDDownlightRc-P-HZ-Adapter-150-175	6956321894122	0.09
140060647	LEDDownlightRc-P-SI-E-Adapter-200-225	6956321894139	0.11
140060648	LEDDownlightRc-P-SI-E-Adapter-200-250	6956321894146	0.18
140061242	LEDDownlightRc-P-R150-Surface-Module-WH	6956321840655	1.70
140061243	LEDDownlightRc-P-R200-Surface-Module-WH	6956321841416	2.0

Surface module

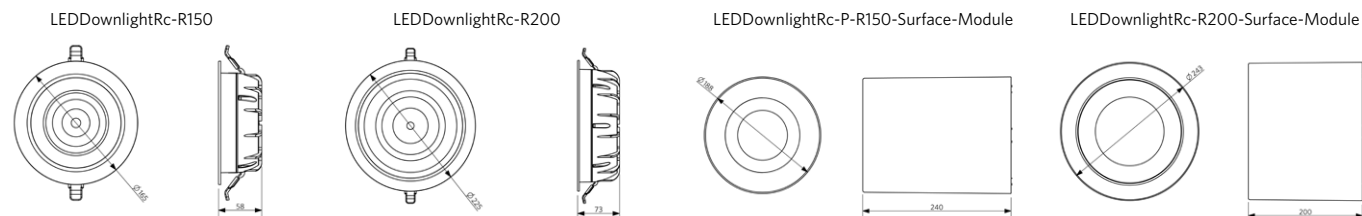
Adapter rings



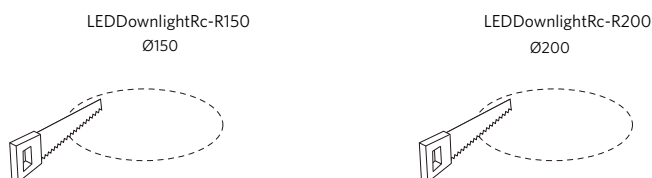
Packaging information

Item		Single box (1pc/box)			Outer box (6pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140057154	LEDDownlightRc-P-HG R150-11.5W-3000	200 x 200 x 103	0.45	6956712692580	415 x 410 x 330	7.1	6945730468642
140057155	LEDDownlightRc-P-HG R150-11.5W-4000	200 x 200 x 103	0.45	6956712692597	415 x 410 x 330	7.1	6945730468659
140057152	LEDDownlightRc-P-HG R200-15W-3000	260 x 260 x 118	0.76	6956712692566	535 x 530 x 255	8.0	6945730468666
140057153	LEDDownlightRc-P-HG R200-15W-4000	260 x 260 x 118	0.76	6956712692573	535 x 530 x 255	8.0	6945730468673
140057156	LEDDownlightRc-P-HG R200-23W-3000	260 x 260 x 118	0.76	6956712692603	535 x 530 x 255	8.0	6945730468680
140057157	LEDDownlightRc-P-HG R200-23W-4000	260 x 260 x 118	0.76	6956712692610	535 x 530 x 255	8.0	6945730468697
140057158	LEDDownlightRc-P-HG R200-33W-3000	260 x 260 x 118	0.76	6956712692627	535 x 530 x 255	8.0	6945730468703
140057159	LEDDownlightRc-P-HG R200-33W-4000	260 x 260 x 118	0.76	6956712692634	535 x 530 x 255	8.0	6945730468710
140057162	LEDDownlightRc-P-HG R150-11.5W-DALI-3000	200 x 200 x 103	0.45	6956712692665	415 x 410 x 330	7.1	6945730468727
140057163	LEDDownlightRc-P-HG R150-11.5W-DALI-4000	200 x 200 x 103	0.45	6956712692672	415 x 410 x 330	7.1	6945730468734
140057160	LEDDownlightRc-P-HG R200-15W-DALI-3000	260 x 260 x 118	0.76	6956712692641	535 x 530 x 255	8.0	6945730468772
140057161	LEDDownlightRc-P-HG R200-15W-DALI-4000	260 x 260 x 118	0.76	6956712692658	535 x 530 x 255	8.0	6945730468789
140057164	LEDDownlightRc-P-HG R200-23W-DALI-3000	260 x 260 x 118	0.76	6956712692689	535 x 530 x 255	8.0	6945730468796
140057165	LEDDownlightRc-P-HG R200-23W-DALI-4000	260 x 260 x 118	0.76	6956712692696	535 x 530 x 255	8.0	6945730468802
140057166	LEDDownlightRc-P-HG R200-33W-DALI-3000	260 x 260 x 118	0.76	6956712692702	535 x 530 x 255	8.0	6945730468819
140057167	LEDDownlightRc-P-HG R200-33W-DALI-4000	260 x 260 x 118	0.76	6956712692719	535 x 530 x 255	8.0	6945730468826
140060646	LEDDownlightRc-P-HZ-Adapter-150-175			6956321894122	261 x 261 x 119	1.08	6956321894320
140060647	LEDDownlightRc-P-SI-E-Adapter-200-225			6956321894139	311 x 311 x 119	1.38	6956321894337
140060648	LEDDownlightRc-P-SI-E-Adapter-200-250			6956321894146	336 x 336 x 119	1.38	6956321894344
140061242	LEDDownlightRc-P-R150-Surface-Module-WH			6956321840655			
140061243	LEDDownlightRc-P-R200-Surface-Module-WH			6956321841416			

Dimensional Drawing (mm)

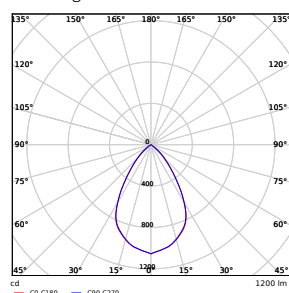


Installation Opening Drawing (mm)

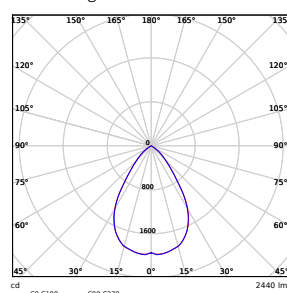


Photometric Data

LEDDownlightRc-P-HG-R150-11.5W



LEDDownlightRc-P-HG-R200-23W





LED Downlight Performer MW

Features

- Unique optical lens concept
- High efficacy (over 100 lm/W) combined with low glare (UGR<19 for most HG versions)
- Innovative and flat designs with common cut-out diameters of 150mm and 200mm
- Rigid heatsink from die-cast aluminum ensures high lifetime of 50,000 hours
- All versions available in different light colours and with DALI dimming
- Including protective foil

Benefits

- Diffuse light distribution with low glare for office users
- Direct replacement for compact fluorescent downlights - saving over 60% of energy costs
- Low build-in depth makes it suitable for almost any false ceiling
- Easy to install by prefit wire or by optional Wieland connector cables
- Suitable for retrofitting due to available adapter ring sizes
- Provided with protective foil in order to prevent the downlight from dust and dirt during the assembly

Application



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	UGR	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140057170	LEDDownlightRc-P-MW R150-11.5W-3000	11.5	1150	102	0.06A	≥80	22	3000	60.000	40.000	6956712692740
140057171	LEDDownlightRc-P-MW R150-11.5W-4000	11.5	1200	104	0.06A	≥80	22	4000	60.000	40.000	6956712692757
140057168	LEDDownlightRc-P-MW R200-15W-3000	15	1600	108	0.07A	≥80	19	3000	60.000	40.000	6956712692726
140057169	LEDDownlightRc-P-MW R200-15W-4000	15	1660	110	0.07A	≥80	19	4000	60.000	40.000	6956712692733
140057172	LEDDownlightRc-P-MW R200-23W-3000	23	2350	102	0.12A	≥80	22	3000	60.000	40.000	6956712692764
140057173	LEDDownlightRc-P-MW R200-23W-4000	23	2400	104	0.12A	≥80	22	4000	60.000	40.000	6956712692771
140057174	LEDDownlightRc-P-MW R200-33W-3000	33	3360	105	0.16A	≥80	22	3000	60.000	40.000	6956712692788
140057175	LEDDownlightRc-P-MW R200-33W-4000	33	3500	107	0.16A	≥80	22	4000	60.000	40.000	6956712692795
140057178	LEDDownlightRc-P-MW R150-11.5W-DALI-3000	11.5	1150	100	0.06A	≥80	22	3000	60.000	40.000	6956712692825
140057179	LEDDownlightRc-P-MW R150-11.5W-DALI-4000	11.5	1200	102	0.06A	≥80	22	4000	60.000	40.000	6956712692832
140057176	LEDDownlightRc-P-MW R200-15W-DALI-3000	15	1600	105	0.07A	≥80	19	3000	60.000	40.000	6956712692801
140057177	LEDDownlightRc-P-MW R200-15W-DALI-4000	15	1660	107	0.07A	≥80	19	4000	60.000	40.000	6956712692818
140057180	LEDDownlightRc-P-MW R200-23W-DALI-3000	23	2350	100	0.12A	≥80	22	3000	60.000	40.000	6956712692849
140057181	LEDDownlightRc-P-MW R200-23W-DALI-4000	23	2400	102	0.12A	≥80	22	4000	60.000	40.000	6956712692856
140057182	LEDDownlightRc-P-MW R200-33W-DALI-3000	33	3360	103	0.16A	≥80	22	3000	60.000	40.000	6956712692863
140057183	LEDDownlightRc-P-MW R200-33W-DALI-4000	33	3500	105	0.16A	≥80	22	4000	60.000	40.000	6956712692870

Available on request with 5- or 2+3 pole Wieland GST18i connector
Emergency lighting available on request

Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	≥4
Dimmable	No / Yes (DALI)
Beam angle (°)	75
Colour of finish	White RAL9003
IP	44 - Exposed part 20 - Recessed part
IK	02
Protection class	II
Integrated driver (Yes/No)	No
Glow wire test	650°C
Driver failure rate	1% at 5,000hrs
Weight (kg/pc)	0.45 / 0.67
PF	0.9

Electrical Supply	
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties	
Housing material	Die-casting Aluminum
Optical material	Aluminum Coated PC

Application Conditions	
Operating temperature	-10 - +40°C
Application temperature	25°C
Storage environment	-25 - +50°C



Accessories

Item Code	Item Description	EAN1	Weight (kg/pc)
140060646	LEDDownlightRc-P-HZ-Adapter-150-175	6956321894122	0.09
140060647	LEDDownlightRc-P-SI-E-Adapter-200-225	6956321894139	0.11
140060648	LEDDownlightRc-P-SI-E-Adapter-200-250	6956321894146	0.18
140061242	LEDDownlightRc-P-R150-Surface-Module-WH	6956321840655	1.70
140061243	LEDDownlightRc-P-R200-Surface-Module-WH	6956321841416	2.0

Surface module

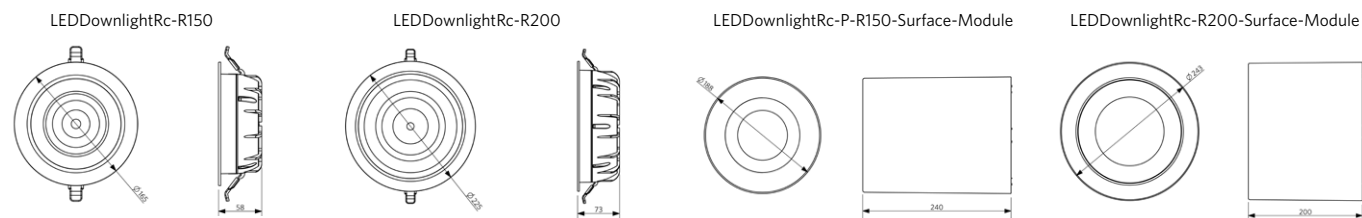
Adapter rings



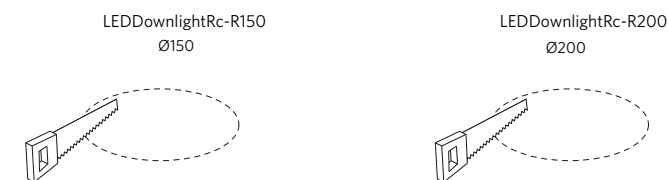
Packaging information

Item		Single box (1pc/box)		Outer box (6pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)
140057170	LEDDownlightRc-P-MW R150-11.5W-3000	200 x 200 x 103	0.45	6956712692740	415 x 410 x 330	7.1
140057171	LEDDownlightRc-P-MW R150-11.5W-4000	200 x 200 x 103	0.45	6956712692757	415 x 410 x 330	7.1
140057168	LEDDownlightRc-P-MW R200-15W-3000	260 x 260 x 118	0.76	6956712692726	535 x 530 x 255	8.0
140057169	LEDDownlightRc-P-MW R200-15W-4000	260 x 260 x 118	0.76	6956712692733	535 x 530 x 255	8.0
140057172	LEDDownlightRc-P-MW R200-23W-3000	260 x 260 x 118	0.76	6956712692764	535 x 530 x 255	8.0
140057173	LEDDownlightRc-P-MW R200-23W-4000	260 x 260 x 118	0.76	6956712692771	535 x 530 x 255	8.0
140057174	LEDDownlightRc-P-MW R200-33W-3000	260 x 260 x 118	0.76	6956712692788	535 x 530 x 255	8.0
140057175	LEDDownlightRc-P-MW R200-33W-4000	260 x 260 x 118	0.76	6956712692795	535 x 530 x 255	8.0
140057178	LEDDownlightRc-P-MW R150-11.5W-DALI-3000	200 x 200 x 103	0.45	6956712692825	415 x 410 x 330	7.1
140057179	LEDDownlightRc-P-MW R150-11.5W-DALI-4000	200 x 200 x 103	0.45	6956712692832	415 x 410 x 330	7.1
140057176	LEDDownlightRc-P-MW R200-15W-DALI-3000	260 x 260 x 118	0.76	6956712692801	535 x 530 x 255	8.0
140057177	LEDDownlightRc-P-MW R200-15W-DALI-4000	260 x 260 x 118	0.76	6956712692818	535 x 530 x 255	8.0
140057180	LEDDownlightRc-P-MW R200-23W-DALI-3000	260 x 260 x 118	0.76	6956712692849	535 x 530 x 255	8.0
140057181	LEDDownlightRc-P-MW R200-23W-DALI-4000	260 x 260 x 118	0.76	6956712692856	535 x 530 x 255	8.0
140057182	LEDDownlightRc-P-MW R200-33W-DALI-3000	260 x 260 x 118	0.76	6956712692863	535 x 530 x 255	8.0
140057183	LEDDownlightRc-P-MW R200-33W-DALI-4000	260 x 260 x 118	0.76	6956712692870	535 x 530 x 255	8.0
140060646	LEDDownlightRc-P-HZ-Adapter-150-175			6956321894122	261 x 261 x 119	1.08
140060647	LEDDownlightRc-P-SI-E-Adapter-200-225			6956321894139	311 x 311 x 119	1.38
140060648	LEDDownlightRc-P-SI-E-Adapter-200-250			6956321894146	336 x 336 x 119	1.38
140061242	LEDDownlightRc-P-R150-Surface-Module-WH			6956321840655		
140061243	LEDDownlightRc-P-R200-Surface-Module-WH			6956321841416		

Dimensional Drawing (mm)

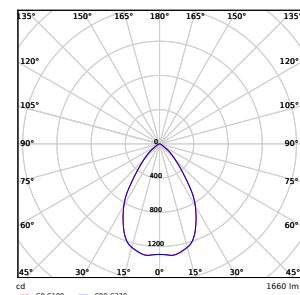


Installation Opening Drawing (mm)

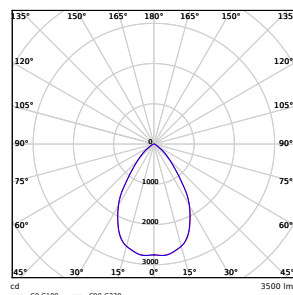


Photometric Data

LEDDownlightRc-P-HG-R150-11.5W



LEDDownlightRc-P-HG-R200-23W





LED Downlight HZ^{DIM}

Features

- High system efficacy up to 94 lm/W
- Long lifetime and high reliability
- Integrated driver for easier installation
- Standard equipped with Triac dimming (dimmer list available)

Benefits

- Lower energy and maintenance costs
- Easy installation: "connect and go"
- Switching from CFL to LED made easy - even when dimming is needed

Application



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140051474	LEDDownlightRc-HZ R125-7W-Dim-3000-WH	7	600	86	0.04A	≥80	3000	50,000	30,000	6956321871628
140051475	LEDDownlightRc-HZ R125-7W-Dim-4000-WH	7	600	86	0.04A	≥80	4000	50,000	30,000	6956321871635
140051476	LEDDownlightRc-HZ R150-10W-Dim-3000-WH	10	900	90	0.05A	≥80	3000	50,000	30,000	6956321871642
140051477	LEDDownlightRc-HZ R150-10W-Dim-4000-WH	10	900	90	0.05A	≥80	4000	50,000	30,000	6956321871659
140051478	LEDDownlightRc-HZ R175-13W-Dim-3000-WH	13	1200	92	0.07A	≥80	3000	50,000	30,000	6956321871666
140051479	LEDDownlightRc-HZ R175-13W-Dim-4000-WH	13	1200	92	0.07A	≥80	4000	50,000	30,000	6956321871673
140051480	LEDDownlightRc-HZ R200-16W-Dim-3000-WH	16	1500	94	0.08A	≥80	3000	50,000	30,000	6956321871680
140051481	LEDDownlightRc-HZ R200-16W-Dim-4000-WH	16	1500	94	0.08A	≥80	4000	50,000	30,000	6956321871687

Available on request with 3- pole Wieland GST18i connector

Accessories

Item Code	Item Description	EAN1	Weight (kg/pc)
140060646	LEDDownlightRc-P-HZ-Adapter-150-175	6956321894122	0.09
140060649	LEDDownlightRc-HZdim-Adapter-200-250	6956321894153	0.18
140060650	LEDDownlightRc-HZdim-Adapter-125-150	6956321894160	0.08
140060651	LEDDownlightRc-HZdim-Adapter-175-200	6956321894177	0.10
140060652	LEDDownlightRc-HZdim-Adapter-200-225	6956321894184	0.11

Adapter rings

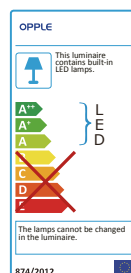


Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	≤ 4
Dimmable	Yes (Triac - see dimmer list)
Beam angle (°)	110°
Colour of finish	White RAL9003
IP	Front IP44, Back IP20
IK	02
Protection class	II
Integrated driver (Yes/No)	Yes
Glow wire test	650°C
Driver failure rate	1% at 5,000hrs
Weight (kg/pc)	0.17 (7W), 0.25 (10W), 0.32 (13W), 0.38 (16W)
PF	0.9

Electrical Supply	
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties	
Housing material	Aluminum + polycarbonate
Optical material	Polycarbonate

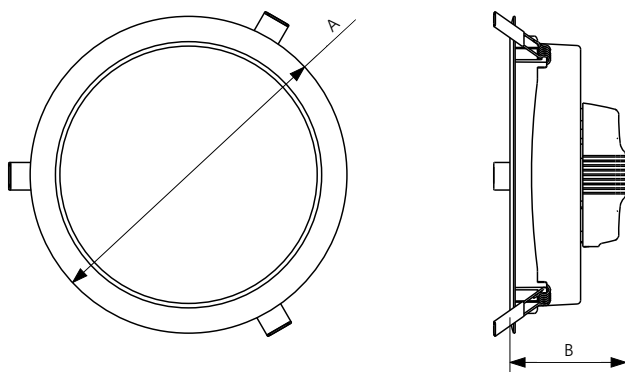
Application Conditions	
Operating temperature	-10 ~ +40°C
Application temperature	+25°C
Storage environment	-25 ~ +50°C



Packaging information

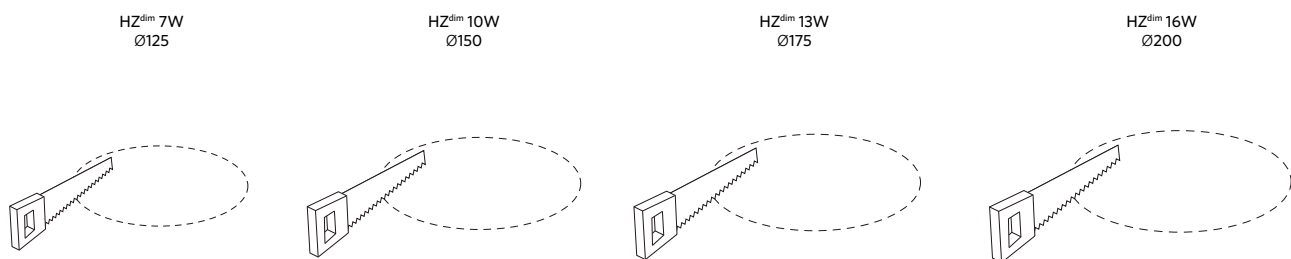
Item		Single box (1pc/box)			Outer box (6pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140051474	LEDDownlightRc-HZ R125-7W-Dim-3000-WH	142x112x142	0.17	6956321871628	250x150x450	1.9	6956321873103
140051475	LEDDownlightRc-HZ R125-7W-Dim-4000-WH	142x112x142	0.17	6956321871635	250x150x450	1.9	6956321873110
140051476	LEDDownlightRc-HZ R150-10W-Dim-3000-WH	220x112x220	0.25	6956321871642	365x236x462	3.3	6956321873127
140051477	LEDDownlightRc-HZ R150-10W-Dim-4000-WH	220x112x220	0.25	6956321871659	365x236x462	3.3	6956321873134
140051478	LEDDownlightRc-HZ R175-13W-Dim-3000-WH	230x112x230	0.32	6956321871666	365x246x482	3.8	6956321873141
140051479	LEDDownlightRc-HZ R175-13W-Dim-4000-WH	230x112x230	0.32	6956321871673	365x246x482	3.8	6956321873158
140051480	LEDDownlightRc-HZ R200-16W-Dim-3000-WH	270x112x270	0.37	6956321871680	365x286x562	4.8	6956321873165
140051481	LEDDownlightRc-HZ R200-16W-Dim-4000-WH	270x112x270	0.37	6956321871687	365x286x562	4.8	6956321873172

Dimensional Drawing (mm)

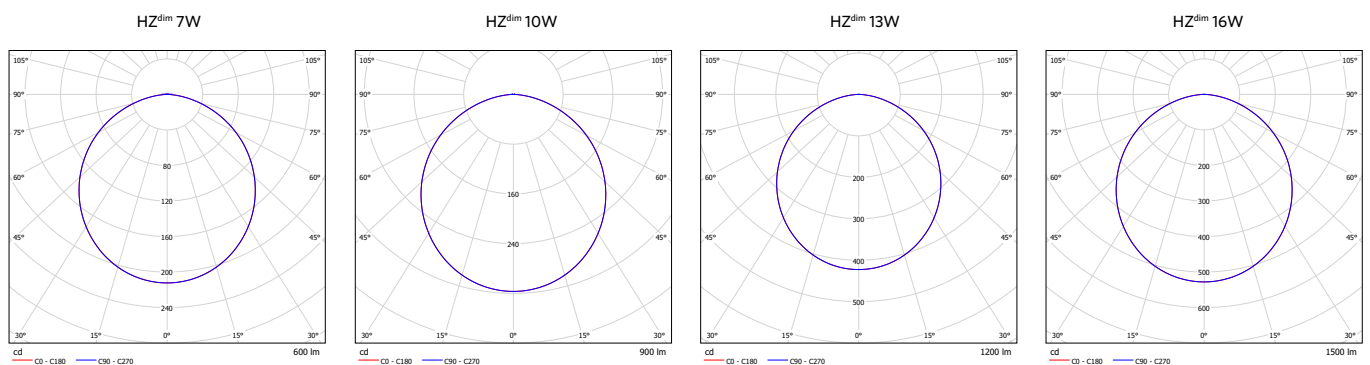


Type	A (mm)	B (mm)
LED Downlight HZdim 7W	125	75
LED Downlight HZdim 10W	150	78
LED Downlight HZdim 13W	175	78
LED Downlight HZdim 16W	200	78

Installation Opening Drawing (mm)



Photometric Data





LED Downlight Slim EcoMax

Features

- Very flat design, only 34mm height
- Efficacy up to 85 lm/W
- Available both in round and square version
- Two lumen packages
- Including 30cm connection wire

Benefits

- Integrated driver: connect and go!
- Fits into most ceiling types and wide application area
- Low energy and maintenance costs

Application



Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140056557	LEDDownlightRc-SI-E Rd150-12W-3000-WH	12	1020	85	0.06A	≥80	3000	40,000	20,000	6956321885724
140056558	LEDDownlightRc-SI-E Rd150-12W-4000-WH	12	1020	85	0.06A	≥80	4000	40,000	20,000	6956321885731
140056559	LEDDownlightRc-SI-E Rd200-24W-3000-WH	24	2040	85	0.12A	≥80	3000	40,000	20,000	6956321885748
140056560	LEDDownlightRc-SI-E Rd200-24W-4000-WH	24	2040	85	0.12A	≥80	4000	40,000	20,000	6956321885755
140056561	LEDDownlightRc-SI-E Sq150-12W-3000-WH	12	1020	85	0.06A	≥80	3000	40,000	20,000	6956321885762
140056562	LEDDownlightRc-SI-E Sq150-12W-4000-WH	12	1020	85	0.06A	≥80	4000	40,000	20,000	6956321885779
140056563	LEDDownlightRc-SI-E Sq200-24W-3000-WH	24	2040	85	0.12A	≥80	3000	40,000	20,000	6956321885786
140056564	LEDDownlightRc-SI-E Sq200-24W-4000-WH	24	2040	85	0.12A	≥80	4000	40,000	20,000	6956321885793

Available on request with 3- pole Wieland GST18i connector

Accessories

Item Code	Item Description	EAN1	Weight (kg/pc)
140060647	LEDDownlightRc-P-SI-E-Adapter-200-225	6956321894139	0.11
140060648	LEDDownlightRc-P-SI-E-Adapter-200-250	6956321894146	0.18
140060653	LEDDownlightRc-SI-E-Adapter-150-175	6956321894191	0.09

Adapter rings

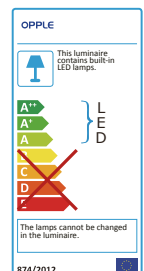


Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	3
Dimmable	No
Beam angle (°)	75
Colour of finish	White RAL9003
IP	44 - Visible part 20 - Recessed part
IK	02
Protection class	II
Integrated driver (Yes/No)	Yes
Glow wire test	650°C
Driver failure rate	1% at 5,000hrs
Weight (kg/pc)	0.43 / 0.73 / 1.2
PF	0.9

Electrical Supply	
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties	
Housing material	Steel
Optical material	Aluminum Coated PC

Application Conditions	
Operating temperature	-10 - +40°C
Application temperature	25°C
Storage environment	-25 - +50°C

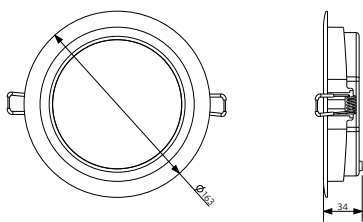


Packaging information

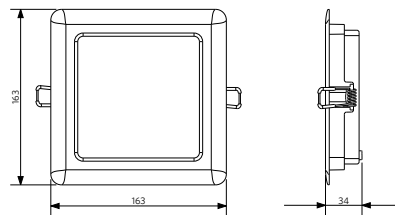
Item		Single box (1pc/box)			Outer box (10pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140056557	LEDDownlightRc-SI-E Rd150-12W-3000-WH	190 x 190 x 53	0.36	6956321885724	571 x 212 x 213	4.2	6956321886554
140056558	LEDDownlightRc-SI-E Rd150-12W-4000-WH	190 x 190 x 53	0.36	6956321885731	571 x 212 x 213	4.2	6956321886561
140056559	LEDDownlightRc-SI-E Rd200-24W-3000-WH	248 x 248 x 55	0.60	6956321885748	591 x 273 x 271	6.7	6956321886578
140056560	LEDDownlightRc-SI-E Rd200-24W-4000-WH	248 x 248 x 55	0.60	6956321885755	591 x 273 x 271	6.7	6956321886585
140056561	LEDDownlightRc-SI-E Sq150-12W-3000-WH	210 x 210 x 53	0.35	6956321885762	570 x 233 x 231	4.2	6956321886592
140056562	LEDDownlightRc-SI-E Sq150-12W-4000-WH	210 x 210 x 53	0.35	6956321885779	570 x 233 x 231	4.2	6956321886608
140056563	LEDDownlightRc-SI-E Sq200-24W-3000-WH	273 x 273 x 55	0.74	6956321885786	590 x 296 x 294	8.1	6956321886615
140056564	LEDDownlightRc-SI-E Sq200-24W-4000-WH	273 x 273 x 55	0.74	6956321885793	590 x 296 x 294	8.1	6956321886622

Dimensional Drawing (mm)

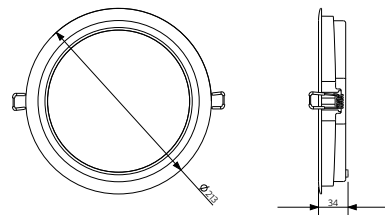
LEDDownlightRc-SI-E Rd150



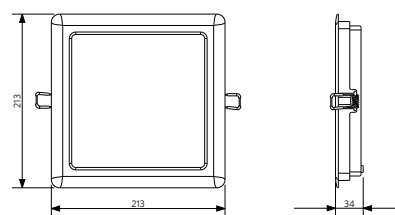
LEDDownlightRc-SI-E Sq200



LEDDownlightRc-SI-E Rd200

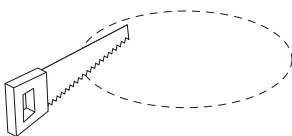


LEDDownlightRc-SI-E Sq200

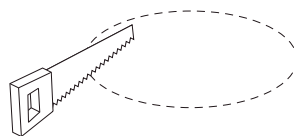


Installation Opening Drawing (mm)

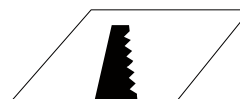
LEDDownlightRc-SI-E Rd150
Ø 150



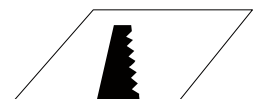
LEDDownlightRc-SI-E Rd200
Ø 200



LEDDownlightRc-SI-E Sq150
150 x 150

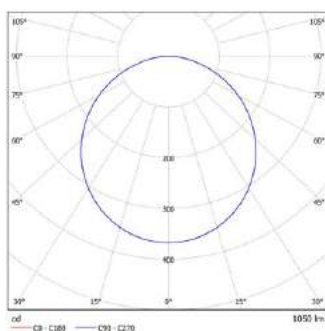


LEDDownlightRc-SI-E Sq150
200 x 200

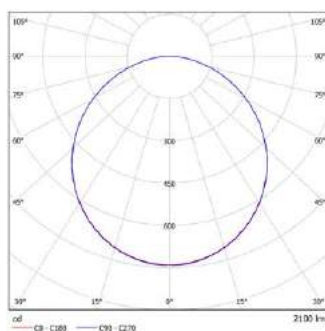


Photometric Data

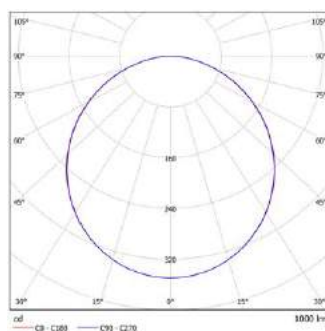
LEDDownlightRc-SI-E Rd150



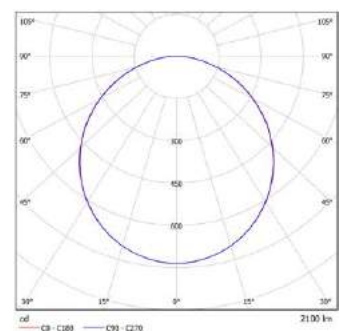
LEDDownlightRc-SI-E Rd200



LEDDownlightRc-SI-E Sq150



LEDDownlightRc-SI-E Sq200





LED Spot Performer 3C

Features

- High lumen packages with high efficacy: up to 3,600 lm and 85 lm/W
- Standard CRI of ≥ 90
- Opple 3C versions use original Global track adapters
- Available in matte white and matte black versions
- Lifetime up to 50,000 hours
- NEW: now in both 30W and 45W versions

Benefits

- Direct replacement for HCL/CDM 35W up to 70W
- Natural rendition of colours of merchandise
- High cost savings due to long lifetime (no lamp replacement) and best in class efficacy
- Attractive design with basic cylinder and box shapes fit easily into shop architectures
- Fitting common Global/Nordic Aluminium® 3C tracks - and many other standard types

Application



Retail



Office



Shopping mall



Bakery



Supermarket

Specifications

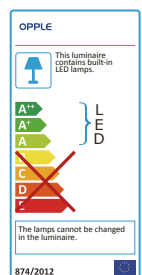
Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Beam angle (°)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140054439	LEDSpot3C-P 30W-3000-40D-WH	30	2400	80	0.15A	≥ 90	3000	40	50,000	30,000	6956321877798
140054443	LEDSpot3C-P 30W-3000-40D-BL	30	2400	80	0.15A	≥ 90	3000	40	50,000	30,000	6956321877835
140054447	LEDSpot3C-P 30W-4000-40D-WH	30	2550	85	0.15A	≥ 90	4000	40	50,000	30,000	6956321877873
140054451	LEDSpot3C-P 30W-4000-40D-BL	30	2550	85	0.15A	≥ 90	4000	40	50,000	30,000	6956321877910
140058472	LEDSpot3C-P 45W-3000-36D-WH	45	3375	75	0.20A	≥ 90	3000	36	50,000	30,000	6956321890247
140058476	LEDSpot3C-P 45W-3000-36D-BL	45	3375	75	0.20A	≥ 90	3000	36	50,000	30,000	6956321890285
140058480	LEDSpot3C-P 45W-4000-36D-WH	45	3600	80	0.20A	≥ 90	4000	36	50,000	30,000	6956321890322
140058484	LEDSpot3C-P 45W-4000-36D-BL	45	3600	80	0.20A	≥ 90	4000	36	50,000	30,000	6956321890360

Technical Specifications	
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimming	No
Finishing	Matte White or Matte Black
	Matte Black anti-glare ring
IP-grade	20
IK-grade	2
Integrated driver (Yes/No)	Yes
Glow wire test (°C)	650
Driver early failure rate	1% at 5,000 hr
Product weight (kg)	1.20 (30W) / 1.60 (45W)
Insulation class	I
PF	0.9

Electrical Supply	
Frequency (Hz)	50/60
Voltage (V)	220-240
AC/DC	AC

Mechanical Properties	
Housing material	Die-cast aluminium
Optic material	Plastic and aluminium
Lens material	Injection moulded plastic (PC)

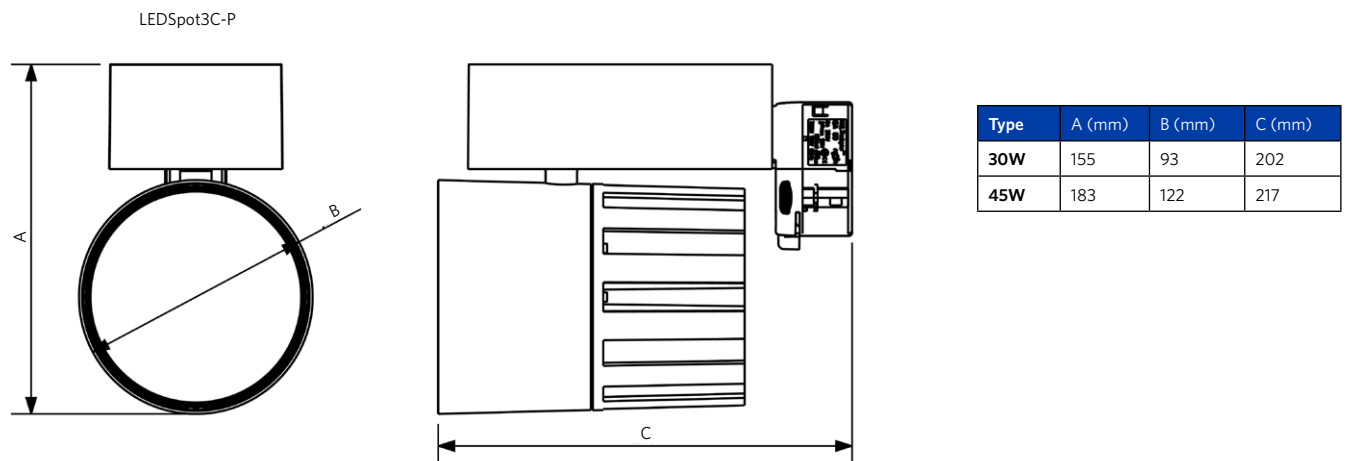
Application Conditions	
Operating temperature (°C)	-25 - +40
Application temperature (°C)	25
Storage temperature (°C)	-25 - +50



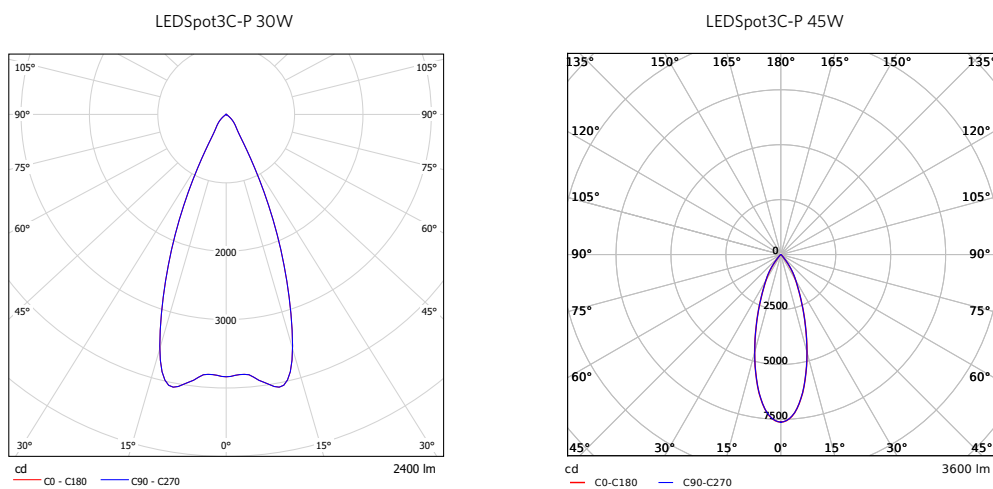
Packaging information

Item		Single box (1pc/box)			Outer box (30W: 8pc/box 45W:4pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140054439	LEDSpot3C-P 30W-3000-40D-WH	229x142x190	1.45	6956321877798	250x398x592	12.4	6956321878429
140054443	LEDSpot3C-P 30W-3000-40D-BL	229x142x190	1.45	6956321877835	250x398x592	12.4	6956321878467
140054447	LEDSpot3C-P 30W-4000-40D-WH	229x142x190	1.45	6956321877873	250x398x592	12.4	6956321878504
140054451	LEDSpot3C-P 30W-4000-40D-BL	229x142x190	1.45	6956321877910	250x398x592	12.4	6956321878542
140058472	LEDSpot3C-P 45W-3000-36D-WH	203x148x239	1.9	6956321890247	419x309x257	7.6	6956321891657
140058476	LEDSpot3C-P 45W-3000-36D-BL	203x148x239	1.9	6956321890285	419x309x257	7.6	6956321891695
140058480	LEDSpot3C-P 45W-4000-36D-WH	203x148x239	1.9	6956321890322	419x309x257	7.6	6956321891732
140058484	LEDSpot3C-P 45W-4000-36D-BL	203x148x239	1.9	6956321890360	419x309x257	7.6	6956321891770

Dimensional Drawing (mm)



Photometric Data





LED Spot Performer RA

Features

- High lumen packages with high efficacy: up to 3,600 lm and 85 lm/W
- Standard CRI ≥ 90
- Round adjustable recessed version: turnable and tiltable
- Lifetime up to 50,000 hours
- NEW: now in both 30W and 45W versions

Benefits

- Direct replacement for HCL/CDM 35W up to 70W
- Natural rendition of colours of merchandise
- High cost savings due to long lifetime (no lamp replacement) and best in class efficacy

Application



Retail



Office



Shopping mall



Bakery



Supermarket

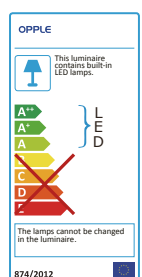
Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Beam angle (°)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140054455	LEDSpotRA-P 30W-3000-40D-WH	30	2400	80	0.15A	≥ 90	3000	40	50,000	30,000	6956321877958
140054459	LEDSpotRA-P 30W-4000-40D-WH	30	2550	85	0.15A	≥ 90	4000	40	50,000	30,000	6956321877996
140058488	LEDSpotRA-P 45W-3000-36D-WH	45	3375	75	0.20A	≥ 90	3000	36	50,000	30,000	6956321890407
140058492	LEDSpotRA-P 45W-4000-36D-WH	45	3600	80	0.20A	≥ 90	4000	36	50,000	30,000	6956321890445

Available on request with 3- pole Wieland GST18i connector

Technical Specifications	
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimming	No
UGR	19
Finishing	Matte White
	Matte Black anti-glare ring
IP-grade	20
IK-grade	2
Integrated driver (Yes/No)	No
Glow wire test (°C)	650
Driver early failure rate	1% at 5,000 hr
Product weight (kg)	1.20 (30W) / 1.60 (45W)
Insulation class	II
PF	0.9

Electrical Supply	
Frequency (Hz)	50/60
Voltage (V)	220-240
AC/DC	AC
Mechanical Properties	
Housing material	Die-cast aluminium
Optic material	Plastic and aluminium
Lens material	Injection moulded plastic (PC)
Application Conditions	
Operating temperature (°C)	-25 - +40
Application temperature (°C)	25
Storage temperature (°C)	-25 - +50

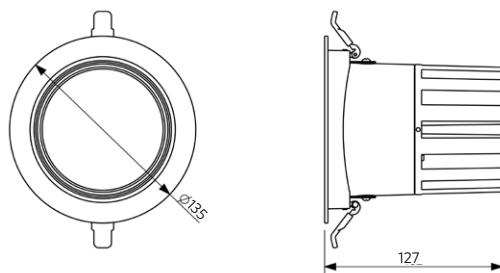


Packaging information

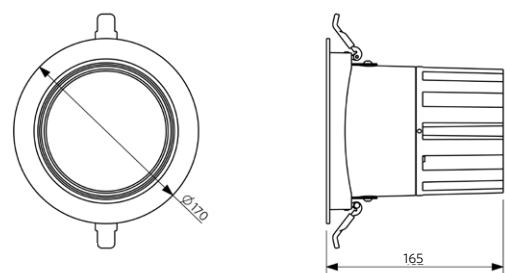
Item		Single box (1pc/box)			Outer box (30W: 8pc/box 45W: 4pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140054455	LEDSpotRA-P 30W-3000-40D-WH	138x216x238	1.2	6956321877958	294x442x486	10.6	6956321878580
140054459	LEDSpotRA-P 30W-4000-40D-WH	138x216x238	1.2	6956321877996	294x442x486	10.6	6956321878627
140058488	LEDSpotRA-P 45W-3000-36D-WH	211x211x186	1.9	6956321890407	435x435x204	7.5	6956321891817
140058492	LEDSpotRA-P 45W-4000-36D-WH	211x211x186	1.9	6956321890445	435x435x204	7.5	6956321891855

Dimensional Drawing (mm)

LEDSpotRA-P 30W



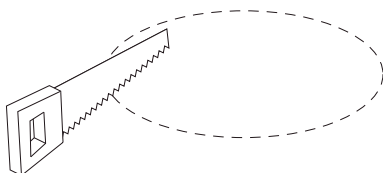
LEDSpotRA-P 45W



Installation Opening Drawing (mm)

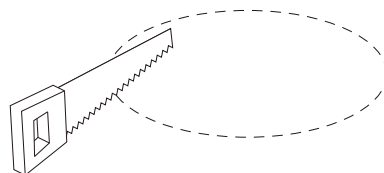
LEDSpotRA-P 30W

Ø125



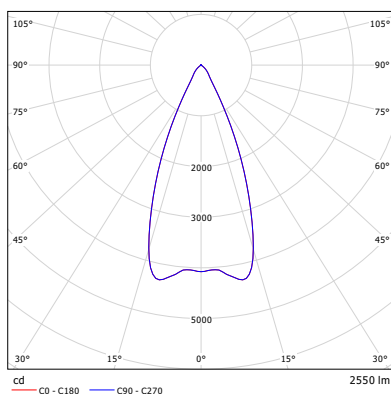
LEDSpotRA-P 45W

Ø150

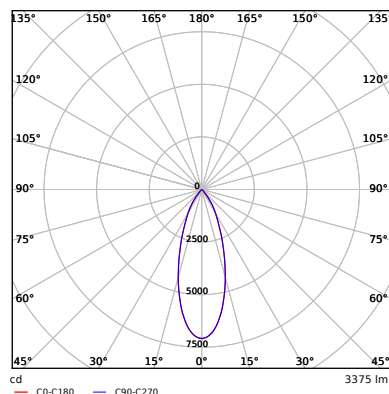


Photometric Data

LEDSpotRA-P 30W



LEDSpotRA-P 45W





LED Spot Round Adjustable HQ

Features

- Up to 80% lower energy consumption than halogen spotlights
- Unique light mixing technique and optics design, UGR16
- Standard dimmable
- See appendix 1 for dimmer compatibility list
- Lifetime up to 50,000 hours

Benefits

- Significantly lower energy and maintenance costs
- Uniform, clean spotlight
- High quality luminaire, for pleasant illumination
- Good beam orientation adjustment, providing greater flexibility for installation position
- Light intensity adjustable with triac dimmer
- Available in 2700, 3000, 4000 K

Application



Home



Hotel



Restaurant



Retail

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	UGR	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140044423	LEDSpotRA-HQ 7W-Dim-2700-40D-WH-CT	7.0	400	57	0.04A	≥80	16	2700	50,000	30,000	6956321845674
140044096	LEDSpotRA-HQ 7W-Dim-3000-40D-WH-CT	7.0	420	60	0.04A	≥80	16	3000	50,000	30,000	6956321843786
140044100	LEDSpotRA-HQ 7W-Dim-4000-40D-WH-CT	7.0	450	64	0.04A	≥80	16	4000	50,000	30,000	6956321843793
140044419	LEDSpotRA-HQ 7W-Dim-2700-40D-AL-CT	7.0	400	57	0.04A	≥80	16	2700	50,000	30,000	6956321845698
140044080	LEDSpotRA-HQ 7W-Dim-3000-40D-AL-CT	7.0	420	60	0.04A	≥80	16	3000	50,000	30,000	6956321843861
140044084	LEDSpotRA-HQ 7W-Dim-4000-40D-AL-CT	7.0	450	64	0.04A	≥80	16	4000	50,000	30,000	6956321843878
140044435	LEDSpotRA HQ 9.5W-Dim-2700-40D-WH-CT	9.5	580	61	0.05A	≥80	16	2700	50,000	30,000	6956321861742
140044120	LEDSpotRA HQ 9.5W-Dim-3000-40D-WH-CT	9.5	600	63	0.05A	≥80	16	3000	50,000	30,000	6956321861681
140044124	LEDSpotRA HQ 9.5W-Dim-4000-40D-WH-CT	9.5	640	67	0.05A	≥80	16	4000	50,000	30,000	6956321843830
140044431	LEDSpotRA HQ 9.5W-Dim-2700-40D-AL-CT	9.5	580	61	0.05A	≥80	16	2700	50,000	30,000	6956321861704
140044104	LEDSpotRA HQ 9.5W-Dim-3000-40D-AL-CT	9.5	600	63	0.05A	≥80	16	3000	50,000	30,000	6956321843908
140044108	LEDSpotRA HQ 9.5W-Dim-4000-40D-AL-CT	9.5	640	67	0.05A	≥80	16	4000	50,000	30,000	6956321843915

Technical Specifications

On / Off cycles	100,000
Colour consistency (SDCM)	4
Dimmable	Yes (Triac)
Beam angle (°)	40
Colour of finish	White RAL9003 Brushed Aluminum RAL 9022
IP	20
IK	02
Protection class	II
Integrated driver (Yes/No)	No
Glow wire test	650°C
Driver failure rate	1% at 5,000hrs
Weight (kg/pc)	0.19
PF	0.9

Electrical Supply

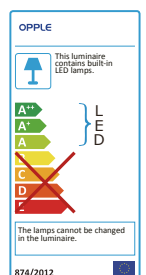
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties

Housing material	Aluminum+PC
Optical material	Plastic

Application Conditions

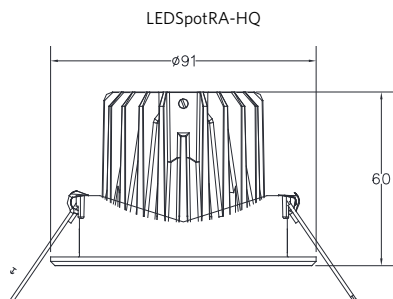
Operating temperature	-10 ~ +40°C
Application temperature	25°C
Storage environment	-25 ~ +50°C



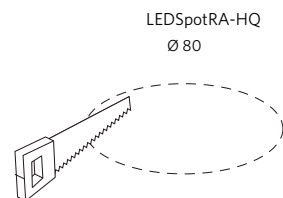
Packaging information

Item		Single box (1pc/box)			Outer box (10 pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140044423	LEDSpotRA-HQ 7W-Dim-2700-40D-WH-CT	95x115x115	0.3	6956321845674	210x130x600	3.7	6956321849429
140044096	LEDSpotRA-HQ 7W-Dim-3000-40D-WH-CT	95x115x115	0.3	6956321843786	210x130x600	3.7	6956321849443
140044100	LEDSpotRA-HQ 7W-Dim-4000-40D-WH-CT	95x115x115	0.3	6956321843793	210x130x600	3.7	6956321850302
140044419	LEDSpotRA-HQ 7W-Dim-2700-40D-AL-CT	95x115x115	0.3	6956321845698	210x130x600	3.7	6956321849467
140044080	LEDSpotRA-HQ 7W-Dim-3000-40D-AL-CT	95x115x115	0.3	6956321843861	210x130x600	3.7	6956321849481
140044084	LEDSpotRA-HQ 7W-Dim-4000-40D-AL-CT	95x115x115	0.3	6956321843878	210x130x600	3.7	6956321850326
140044435	LEDSpotRA HQ 9.5W-Dim-2700-40D-WH-CT	95x115x115	0.3	6956321861742	210x130x600	3.7	6956321861674
140044120	LEDSpotRA HQ 9.5W-Dim-3000-40D-WH-CT	95x115x115	0.3	6956321861681	210x130x600	3.7	6956321861599
140044124	LEDSpotRA HQ 9.5W-Dim-4000-40D-WH-CT	95x115x115	0.3	6956321843830	210x130x600	3.7	6956321861612
140044431	LEDSpotRA HQ 9.5W-Dim-2700-40D-AL-CT	95x115x115	0.3	6956321861704	210x130x600	3.7	6956321861636
140044104	LEDSpotRA HQ 9.5W-Dim-3000-40D-AL-CT	95x115x115	0.3	6956321843908	210x130x600	3.7	6956321861520
140044108	LEDSpotRA HQ 9.5W-Dim-4000-40D-AL-CT	95x115x115	0.3	6956321843915	210x130x600	3.7	6956321861544

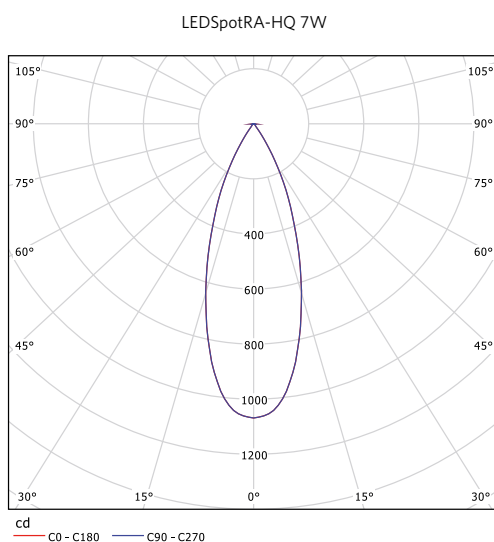
Dimensional Drawing (mm)



Installation Opening Drawing (mm)



Photometric Data





LED Spot EcoMax

Features

- Fixed spotlight range with universal 68 mm cut-out
- Standard IP44 protection
- Available in matt white, brushed aluminium and smooth chrome finishes
- High output from just 4.5W and 7W LED engines
- Including connection wire of 30 cm
- Integrated driver

Benefits

- Direct replacement for majority of halogen spotlights
- Over 85% savings of energy costs compared to halogen 35W and 50W
- Can be used in e.g. bathrooms and related environments
- Affordable yet sturdy design - made to last

Application



Home



Hotel



Restaurant



Retail

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Beam angle (°)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140054076	LEDSpotRF-E 4.5W-2700-36D-AL-CT	4.5	330	73	0.02A	≥80	2700	36	30,000	20,000	6956321877279
140054077	LEDSpotRF-E 4.5W-4000-36D-AL-CT	4.5	350	78	0.02A	≥80	4000	36	30,000	20,000	6956321877286
140054078	LEDSpotRF-E 4.5W-2700-36D-WH-CT	4.5	330	73	0.02A	≥80	2700	36	30,000	20,000	6956321877293
140054079	LEDSpotRF-E 4.5W-4000-36D-WH-CT	4.5	350	78	0.02A	≥80	4000	36	30,000	20,000	6956321877309
140054080	LEDSpotRF-E 4.5W-2700-36D-CH-CT	4.5	330	73	0.02A	≥80	2700	36	30,000	20,000	6956321877316
140054081	LEDSpotRF-E 4.5W-4000-36D-CH-CT	4.5	350	78	0.02A	≥80	4000	36	30,000	20,000	6956321877323
140055457	LEDSpotRF-E 7W-2700-36D-AL	7.0	510	73	0.03A	≥80	2700	36	30,000	20,000	6956321879587
140055458	LEDSpotRF-E 7W-4000-36D-AL	7.0	530	76	0.03A	≥80	4000	36	30,000	20,000	6956321879594
140055459	LEDSpotRF-E 7W-2700-36D-WH	7.0	510	73	0.03A	≥80	2700	36	30,000	20,000	6956321879600
140055460	LEDSpotRF-E 7W-4000-36D-WH	7.0	530	76	0.03A	≥80	4000	36	30,000	20,000	6956321879617
140055461	LEDSpotRF-E 7W-2700-36D-CH	7.0	510	73	0.03A	≥80	2700	36	30,000	20,000	6956321879624
140055462	LEDSpotRF-E 7W-4000-36D-CH	7.0	530	76	0.03A	≥80	4000	36	30,000	20,000	6956321879631

Technical Specifications

On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimming	No
Finishing (WH)	Matte White front (matte white back)
Finishing (AL)	Brushed aluminium front (matte black back)
Finishing (CH)	Glossy chrome front (matte black back)
IP-grade	44
IK-grade	2
Integrated driver (Yes/No)	Yes
Glow wire test (°C)	650
Driver early failure rate	1% at 5,000 hr
Product weight (kg)	0.08
PF	0.9

Electrical Supply

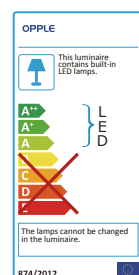
Frequency (Hz)	50/60
Voltage (V) (AC/DC)	220-240 AC
Insulation class	II

Mechanical Properties

Housing material	Injection moulded plastic (PC/ABS)
Lens material	Injection moulded plastic (PC)

Application Conditions

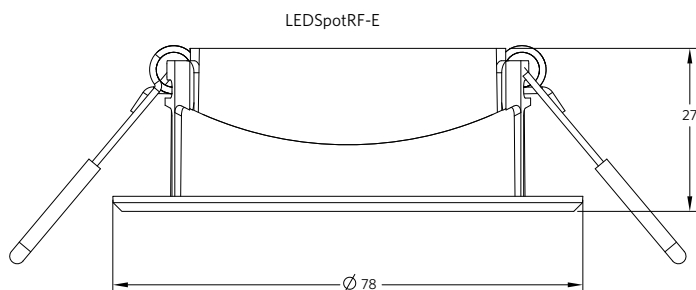
Operating temperature (°C)	-25 - +40
Reference temperature (°C)	25
Storage temperature (°C)	-25 - +50



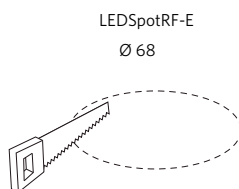
Packaging information

Item		Single box (1pc/box)			Outer box (20 pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140054076	LEDSpotRF-E 4.5W-2700-36D-AL-CT	56x94x94	0.11	6956321877279	135x203x490	2.4	6956321878658
140054077	LEDSpotRF-E 4.5W-4000-36D-AL-CT	56x94x94	0.11	6956321877286	135x203x490	2.4	6956321878665
140054078	LEDSpotRF-E 4.5W-2700-36D-WH-CT	56x94x94	0.11	6956321877293	135x203x490	2.4	6956321878672
140054079	LEDSpotRF-E 4.5W-4000-36D-WH-CT	56x94x94	0.11	6956321877309	135x203x490	2.4	6956321878689
140054080	LEDSpotRF-E 4.5W-2700-36D-CH-CT	56x94x94	0.11	6956321877316	135x203x490	2.4	6956321878696
140054081	LEDSpotRF-E 4.5W-4000-36D-CH-CT	56x94x94	0.11	6956321877323	135x203x490	2.4	6956321878702
140055457	LEDSpotRF-E 7W-2700-36D-AL	48x100x100	0.12	6956321879587	120x215x520	2.6	6956321886189
140055458	LEDSpotRF-E 7W-4000-36D-AL	48x100x100	0.12	6956321879594	120x215x520	2.6	6956321886196
140055459	LEDSpotRF-E 7W-2700-36D-WH	48x100x100	0.12	6956321879600	120x215x520	2.6	6956321886202
140055460	LEDSpotRF-E 7W-4000-36D-WH	48x100x100	0.12	6956321879617	120x215x520	2.6	6956321886219
140055461	LEDSpotRF-E 7W-2700-36D-CH	48x100x100	0.12	6956321879624	120x215x520	2.6	6956321886226
140055462	LEDSpotRF-E 7W-4000-36D-CH	48x100x100	0.12	6956321879631	120x215x520	2.6	6956321886233

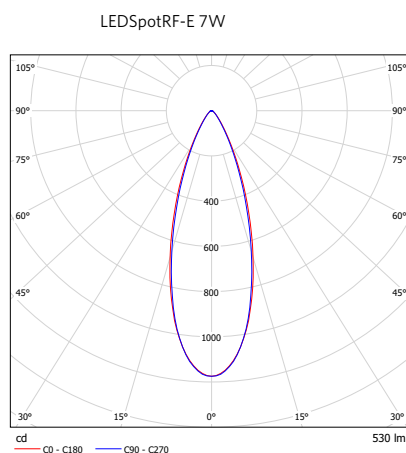
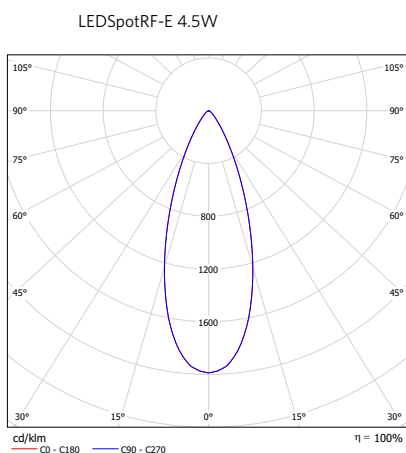
Dimensional Drawing (mm)



Installation Opening Drawing (mm)



Photometric Data





LED Recessed Spot Ava

Features

- High efficient LED light source
- Warm white light
- Easy installation
- Adjustable tilt 0-25°, also for IP44 versions
- Dimmable
- See appendix 1 for dimmer compatibility list

Benefits

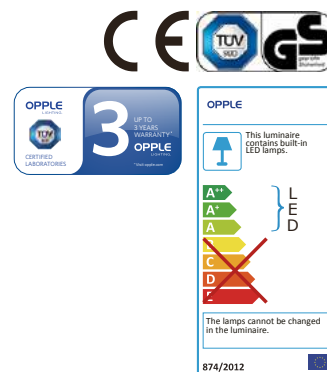
- Energy saving up to 80% in comparison to a traditional light source
- Beam angle of 30° creates a perfect accent light
- Long lifetime up to 20,000 hours, no bulb replacement required
- Provides instant light from the first second
- Dimmability allows to create a pleasant atmosphere

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	Weight	Energy level	EAN1
140049619	LED HRS 7W Dim 2700K 30D Ava MW CT	7W	310	44	0.05A	≥ 80	2700	30,000	20,000	200	A	6956712634740
140049621	LED HRS 7W Dim 2700K 30D Ava BA CT	7W	310	44	0.05A	≥ 80	2700	30,000	20,000	200	A	6956712634764
140049625	LED HRS 9W Dim 2700K 30D Ava MW CT	9W	430	47	0.05A	≥ 80	2700	30,000	20,000	290	A	6956712634801
140049627	LED HRS 9W Dim 2700K 30D Ava BA CT	9W	430	47	0.05A	≥ 80	2700	30,000	20,000	290	A	6956712634825
140058060	LED HRS 7W Dim 2700K 30D Ava IP44 BA	7W	330	50	0.04A	≥ 80	2700	30,000	20,000	400	A	6956712606686
140058061	LED HRS 7W Dim 2700K 30D Ava IP44 MW	7W	330	50	0.04A	≥ 80	2700	30,000	20,000	400	A	6956712606693

Technical Specifications

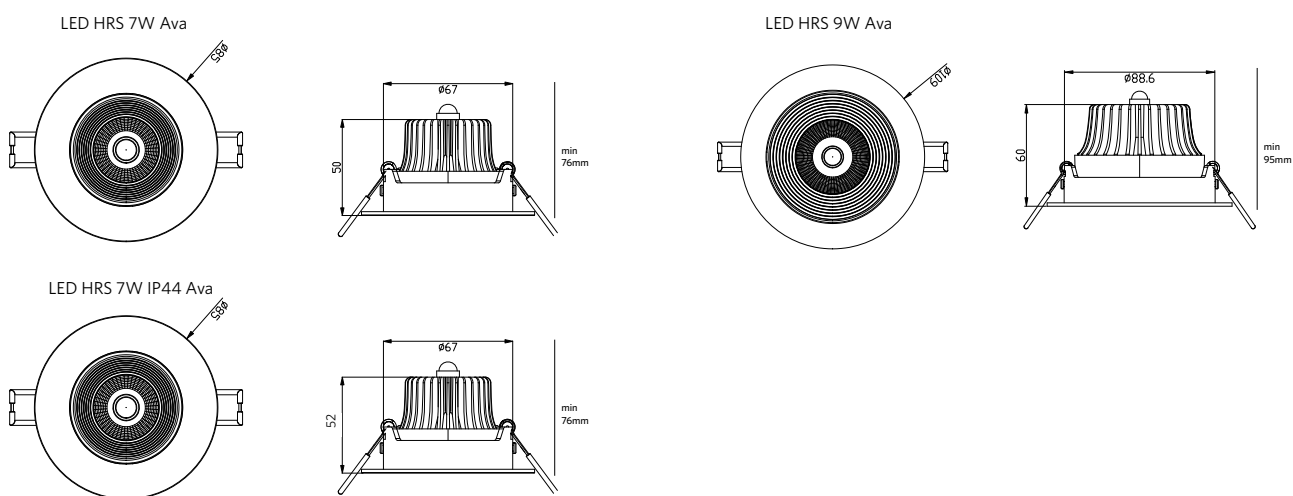
AC / DC	AC	Integrated driver (Yes/No)	Yes
Voltage (V)	220-240	Operating temperature	-20 - +40°C
Frequency (Hz)	50/60	Colour of finish	Matt White (MW), Brushed Aluminium (BA)
On / off cycles	50,000	Application temperature	+25°C
Beam angle (°)	30°	Storage temperature	-20 - +50°C
Dimmable	Yes		
IP	20		
Protection class	II		



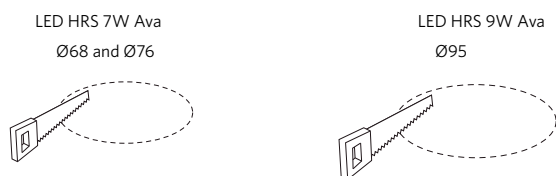
Packaging information

Item									
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Single box (pc/box)	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2	Outer box (pc/box)
140049619	LED HRS 7W Dim 2700K 30D Ava MW CT	120x85x118	0.20	6956712634740	1	495x255x275	7.6	6956712635358	24
140049621	LED HRS 7W Dim 2700K 30D Ava BA CT	120x85x118	0.20	6956712634764	1	495x255x275	7.6	6956712635372	24
140049625	LED HRS 9W Dim 2700K 30D Ava MW CT	142x90x145	0.3	6956712634801	1	585x305x290	9.5	6956712635419	24
140049627	LED HRS 9W Dim 2700K 30D Ava BA CT	142x90x145	0.3	6956712634825	1	585x305x290	9.5	6956712635433	24
140058060	LED HRS 7W Dim 2700K 30D Ava IP44 BA	125x92x123	0.4	6956712606686	1	24x295x265	10.4	6956712607492	24
140058061	LED HRS 7W Dim 2700K 30D Ava IP44 MW	125x92x123	0.4	6956712606693	1	24x295x265	10.4	6956712607508	24

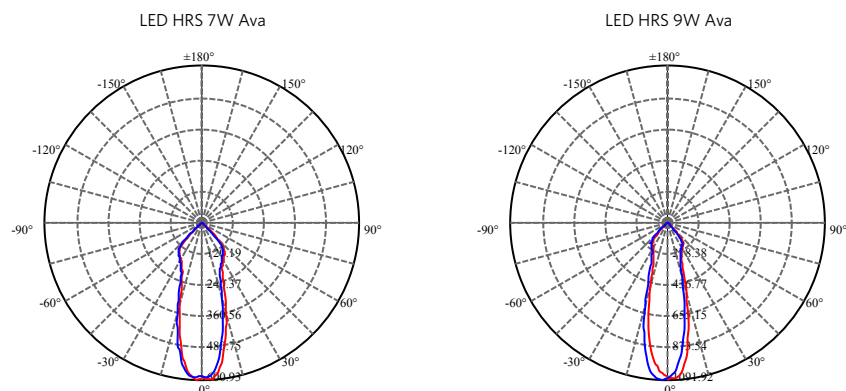
Dimensional Drawing (mm)



Installation Opening Drawing (mm)



Photometric Data





LED Recessed Spot Chalice

Features

- High efficient LED light source
- Warm white light
- Easy installation
- Tiltable reflector head

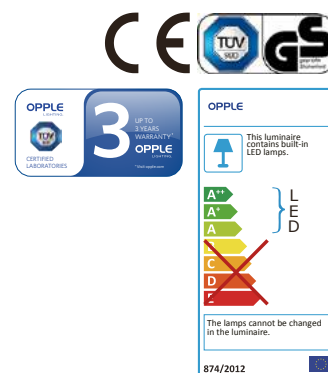
Benefits

- Energy saving up to 80% in comparison to a traditional light source
- Beam angle of 30° creates a perfect accent light
- Long lifetime up to 20,000 hours, no bulb replacement required
- Provides instant light from the first second

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	Energy level	EAN1
140044063	LED HRS 4.5W LZ 2700K 30D Chalice MW CT	4,5	250	55	0.03A	≥ 80	2700	30,000	20,000	A	6956321844783
140044064	LED HRS 4.5W LZ 2700K 30D Chalice BA CT	4,5	250	55	0.03A	≥ 80	2700	30,000	20,000	A	6956321844790
140044065	LED HRS 4.5W LZ 2700K 30D Chalice BS CT	4,5	250	55	0.03A	≥ 80	2700	30,000	20,000	A	6956321844806

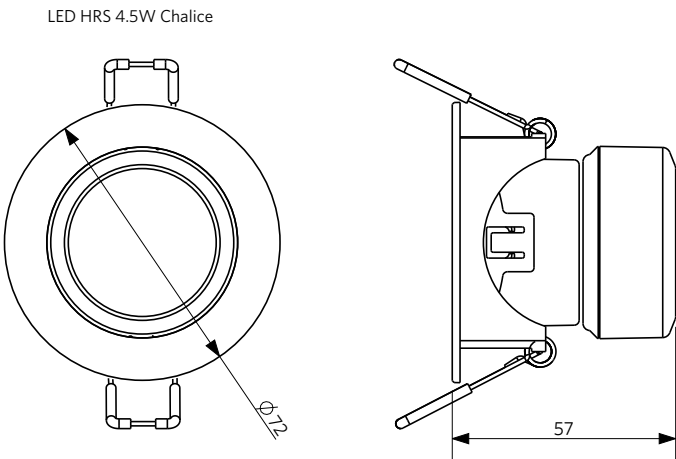
Technical Specifications			
AC / DC	AC	Integrated driver (Yes/No)	Yes
Voltage (V)	220-240	Operating temperature	-20 - +40°C
Frequency (Hz)	50/60	Colour of finish	Matt White (MW), Brushed Steel (BS), Brushed Aluminum (BA)
On / off cycles	50,000	Application temperature	+25°C
Beam angle (°)	30°	Storage temperature	-20 - +50°C
Dimmable	No		
IP	20		
Protection class	II		



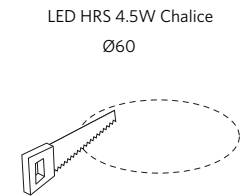
Packaging information

Item		Single box (1pc/box)			Outer box (20pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140044063	LED HRS 4.5W LZ 2700K 30D Chalice MW CT	115x90x115	0.1	6956321844783	205x250x595	3.0	6956321851442
140044064	LED HRS 4.5W LZ 2700K 30D Chalice BA CT	115x90x115	0.1	6956321844790	205x250x595	3.0	6956321851439
140044065	LED HRS 4.5W LZ 2700K 30D Chalice BS CT	115x90x115	0.1	6956321844806	205x250x595	3.0	6956321851446

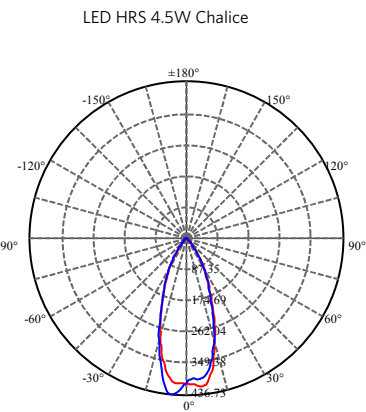
Dimensional Drawing (mm)



Installation Opening Drawing (mm)



Photometric Data





LED Recessed Spot Alfie

Features

- High efficient LED light source
- Warm white light
- Easy installation
- Tilttable reflector head

Benefits

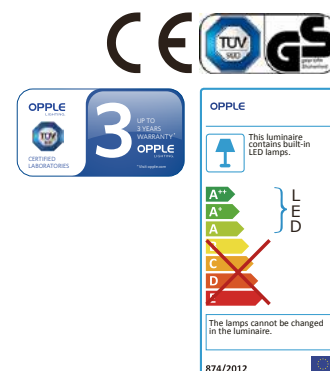
- Energy saving up to 80% in comparison to a traditional light source
- Beam angle of 30° creates a perfect accent light
- Long lifetime up to 20,000 hours, no bulb replacement required
- Provides instant light from the first second

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	Energy level	EAN1
140049631	LED HRS 4W 01 2700K 30D Alfie MW CT	4W	210	52.5	0.03A	≥ 80	2700	30,000	20,000	A	6956712634863
140049633	LED HRS 4W 01 2700K 30D Alfie BA CT	4W	210	52.5	0.03A	≥ 80	2700	30,000	20,000	A	6956712634887
140049634	LED HRS 4W 01 2700K 30D Alfie MW CT-3	12W	3X210	52.5	0.03A	≥ 80	2700	30,000	20,000	A	6956712634894
140049636	LED HRS 4W 01 2700K 30D Alfie BA CT-3	12W	3X210	52.5	0.03A	≥ 80	2700	30,000	20,000	A	6956712634917

CT-3 = set 3 pc

Technical Specifications			
AC / DC	AC	Integrated driver (Yes/No)	Yes
Voltage (V)	220-240	Operating temperature	-20 - +40°C
Frequency (Hz)	50/60	Colour of finish	Matt White (MW), Brushed Aluminium (BA)
On / off cycles	50,000	Application temperature	+25°C
Beam angle (°)	30°	Storage temperature	-20 - +50°C
Dimmable	No		
IP	20		
Protection class	II		

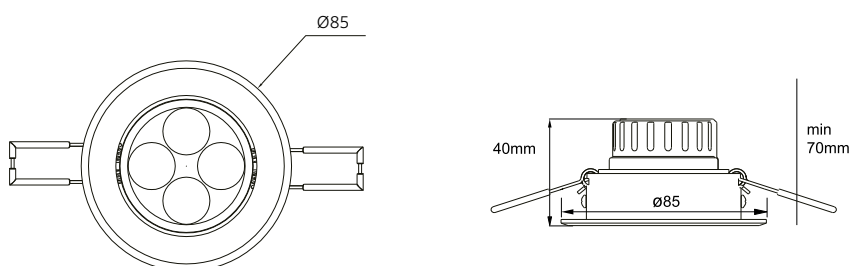


Packaging information

Item									
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Single box (pc/box)	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2	Outer box (pc/box)
140049631	LED HRS 4W 01 2700K 30D Alfie MW CT	65x100x100	0.115	6956712634863	1	215x220x520	4.75	6956712635471	30
140049632	LED HRS 4W 01 2700K 30D Alfie BS CT	65x100x100	0.115	6956712634870	1	215x220x520	4.75	6956712635488	30
140049633	LED HRS 4W 01 2700K 30D Alfie BA CT	65x100x100	0.115	6956712634887	1	215x220x520	4.75	6956712635495	30
140049634	LED HRS 4W 01 2700K 30D Alfie MW CT 3	65x1115x305	0.335	6956712634894	3	280x320x365	5.6	6956712635501	12
140049635	LED HRS 4W 01 2700K 30D Alfie BS CT 3	65x1115x305	0.335	6956712634900	3	280x320x365	5.6	6956712635518	12
140049636	LED HRS 4W 01 2700K 30D Alfie BA CT 3	65x1115x305	0.335	6956712634917	3	280x320x365	5.6	6956712635525	12

Dimensional Drawing (mm)

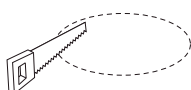
LED HRS 4W Alfie



Installation Opening Drawing (mm)

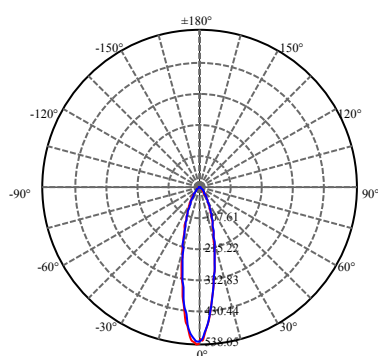
LED HRS 4W Alfie

Ø76



Photometric Data

LED HRS 4W Alfie





LED Highbay Performer G3

Features

- Highbay fixture with high efficacy of over 125 lm/W
- IP65 & IK08, meet variable demands for indoor and outdoor environments
- Instant full light on, and instant restart with 100% full luminous flux
- New compact yet efficient heat sink structure, assuring 70,000hr lifespan and reliability
- Multiple beam angles and DALI versions available

Benefits

- Up to 80% energy savings compared to 250-400W metal-halide high bay
- Lowering operation cost and maintenance cost
- Dedicated optics design can help to reduce the fixture quantities
- Flexible and easy installation
- Fit for surface mounting by use of bracket accessory

Application



Industrial



Warehouse



Station

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Beam Angle(°)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140057960	LEDHighbay-P3 80W-4000-60D-GY	80	10000	125	0.40A	≥ 80	4000	60	70,000	50,000	6956321888381
140057961	LEDHighbay-P3 80W-4000-100D-GY	80	10000	125	0.40A	≥ 80	4000	100	70,000	50,000	6956321888398
140057962	LEDHighbay-P3 80W-4000-60+100D-GY	80	10000	125	0.40A	≥ 80	4000	60+100	70,000	50,000	6956321888404
140057963	LEDHighbay-P3 120W-4000-60D-GY	120	15000	125	0.56A	≥ 80	4000	60	70,000	50,000	6956321888411
140057964	LEDHighbay-P3 120W-4000-100D-GY	120	15000	125	0.56A	≥ 80	4000	100	70,000	50,000	6956321888428
140057965	LEDHighbay-P3 120W-4000-60+100D-GY	120	15000	125	0.56A	≥ 80	4000	60+100	70,000	50,000	6956321888435
140057966	LEDHighbay-P3 160W-4000-60D-GY	160	20000	125	0.77A	≥ 80	4000	60	70,000	50,000	6956321888442
140057967	LEDHighbay-P3 160W-4000-100D-GY	160	20000	125	0.77A	≥ 80	4000	100	70,000	50,000	6956321888459
140057968	LEDHighbay-P3 160W-4000-60+100D-GY	160	20000	125	0.77A	≥ 80	4000	60+100	70,000	50,000	6956321888466
140057969	LEDHighbay-P3 80W-DALI-4000-60D-GY	80	10000	125	0.40A	≥ 80	4000	60	70,000	50,000	6956321888473
140057970	LEDHighbay-P3 80W-DALI-4000-100D-GY	80	10000	125	0.40A	≥ 80	4000	100	70,000	50,000	6956321888480
140057971	LEDHighbay-P3 80W-DALI-4000-60+100D-GY	80	10000	125	0.40A	≥ 80	4000	60+100	70,000	50,000	6956321888497
140057972	LEDHighbay-P3 120W-DALI-4000-60D-GY	120	15000	125	0.56A	≥ 80	4000	60	70,000	50,000	6956321888503
140057973	LEDHighbay-P3 120W-DALI-4000-100D-GY	120	15000	125	0.56A	≥ 80	4000	100	70,000	50,000	6956321888510
140057974	LEDHighbay-P3 120W-DALI-4000-60+100D-GY	120	15000	125	0.56A	≥ 80	4000	60+100	70,000	50,000	6956321888527
140057975	LEDHighbay-P3 160W-DALI-4000-60D-GY	160	20000	125	0.77A	≥ 80	4000	60	70,000	50,000	6956321888534
140057976	LEDHighbay-P3 160W-DALI-4000-100D-GY	160	20000	125	0.77A	≥ 80	4000	100	70,000	50,000	6956321888541
140057977	LEDHighbay-P3 160W-DALI-4000-60+100D-GY	160	20000	125	0.77A	≥ 80	4000	60+100	70,000	50,000	6956321888558

Accessories

Item Code	Item Description	EAN1
140044049	LEDHighbay-Pole-CT	6956321843731
140044050	LEDHighbay-Bracket10-CT	6956321843748
140060030	LEDHighbay-P3-Bracket-80-120	6956321892760
140060028	LEDHighbay-P3-Glass-Opal-80-120	6956321892746
140060029	LEDHighbay-P3-Glass-Opal-160	6956321892753

Bracket 10 fits 160W versions, Bracket 80-120 fits 80-120W versions

Glass Opal 80-120 fits 80-120W versions, Glass Opal 160 fits 160W versions

Bracket



Opal glass

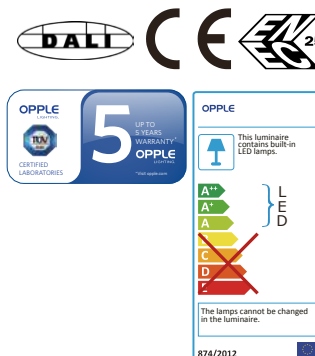


Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	5
Dimmable	No/Yes (DALI versions)
Colour of finish	4170
IP	65
IK	08
Protection class	I
Integrated driver (Yes/No)	Yes
Glow wire test	650
Driver failure rate	1% at 5.000 hrs
Weight (kg/pc)	4.2/6.0
PF	0.9

Electrical Supply	
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties	
Housing material	Aluminium
Optical material	PC+GL
Cover material	PC+GL

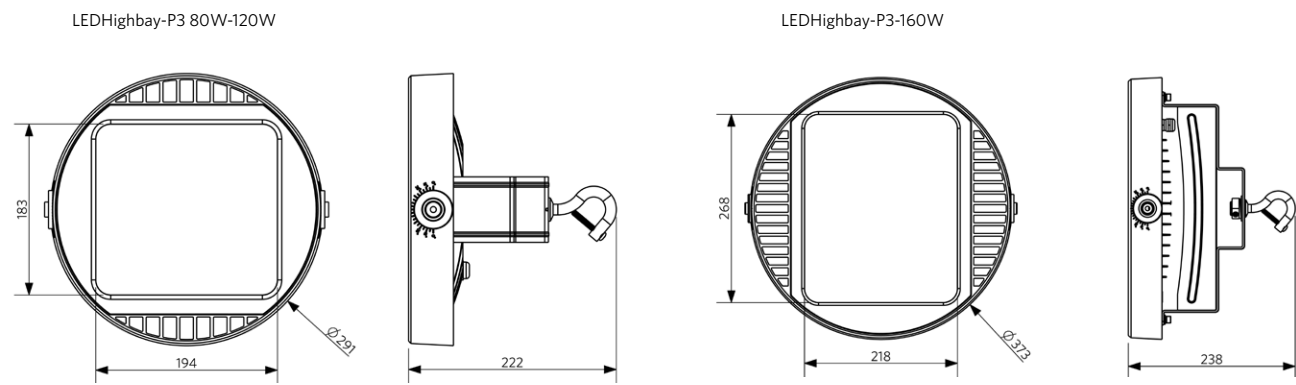
Application Conditions	
Operating temperature	-20 ~ +40°C
Application temperature	25°C
Storage environment	-25 ~ +50°C



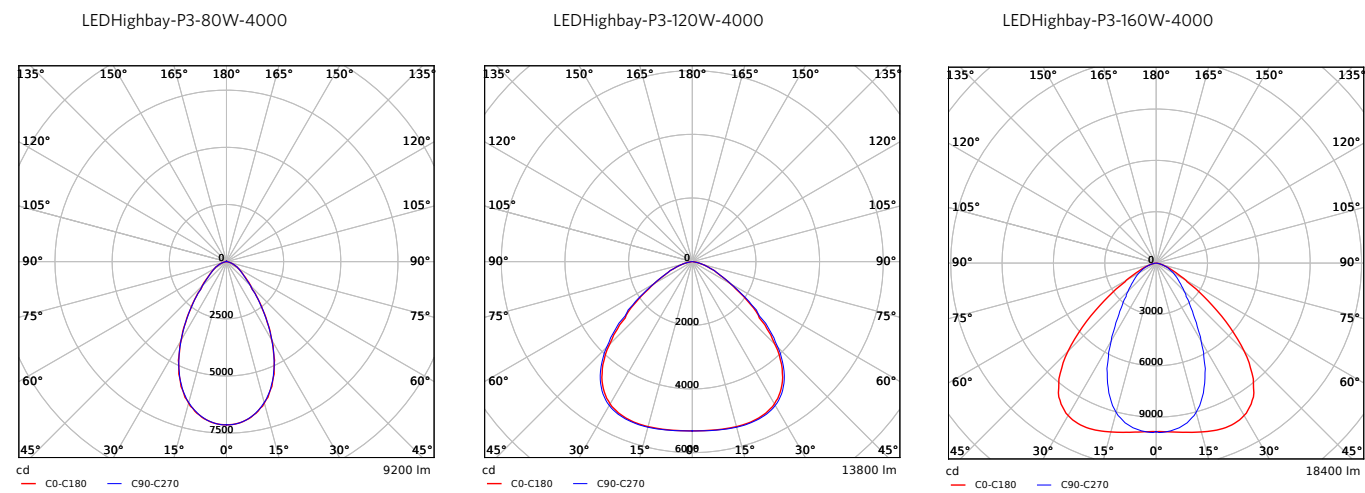
Product and packaging information

Item		Single box (1pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1
140057960	LEDHighbay-P3 80W-4000-60D-GY	376 x 357 x 273	5.6	6956321888381
140057961	LEDHighbay-P3 80W-4000-100D-GY	376 x 357 x 273	5.6	6956321888398
140057962	LEDHighbay-P3 80W-4000-60+100D-GY	376 x 357 x 273	5.6	6956321888404
140057963	LEDHighbay-P3 120W-4000-60D-GY	376 x 357 x 273	5.6	6956321888411
140057964	LEDHighbay-P3 120W-4000-100D-GY	376 x 357 x 273	5.6	6956321888428
140057965	LEDHighbay-P3 120W-4000-60+100D-GY	376 x 357 x 273	5.6	6956321888435
140057966	LEDHighbay-P3 160W-4000-60D-GY	440 x 440 x 301	7.8	6956321888442
140057967	LEDHighbay-P3 160W-4000-100D-GY	440 x 440 x 301	7.8	6956321888459
140057968	LEDHighbay-P3 160W-4000-60+100D-GY	440 x 440 x 301	7.8	6956321888466
140057969	LEDHighbay-P3 80W-DALI-4000-60D-GY	76 x 357 x 273	5.6	6956321888473
140057970	LEDHighbay-P3 80W-DALI-4000-100D-GY	376 x 357 x 273	5.6	6956321888480
140057971	LEDHighbay-P3 80W-DALI-4000-60+100D-GY	376 x 357 x 273	5.6	6956321888497
140057972	LEDHighbay-P3 120W-DALI-4000-60D-GY	376 x 357 x 273	5.6	6956321888503
140057973	LEDHighbay-P3 120W-DALI-4000-100D-GY	376 x 357 x 273	5.6	6956321888510
140057974	LEDHighbay-P3 120W-DALI-4000-60+100D-GY	376 x 357 x 273	5.6	6956321888527
140057975	LEDHighbay-P3 160W-DALI-4000-60D-GY	440 x 440 x 301	7.8	6956321888534
140057976	LEDHighbay-P3 160W-DALI-4000-100D-GY	440 x 440 x 301	7.8	6956321888541
140057977	LEDHighbay-P3 160W-DALI-4000-60+100D-GY	440 x 440 x 301	7.8	6956321888558
140044049	LEDHighbay-Pole-CT	60 x 50 x 315	0.6	6956321843731
140044050	LEDHighbay-Bracket10-CT	275 x 45 x 395	1.6	6956321843748
140060030	LEDHighbay-P3-Bracket-80-120	322 x 56 x 302	1.4	6956321892760
140060028	LEDHighbay-P3-Glass-Opal-80-120	3252 x 30 x 236	0.42	6956321892746
140060029	LEDHighbay-P3-Glass-Opal-160	318 x 30 x 270	1.08	6956321892753

Dimensional Drawing (mm)



Photometric Data





LED Floodlight EcoMax

Features

- Slim aluminium body with integrated heatsink and clipless cover
- High Efficacy up to 105 lm/W
- IK08 and IP65
- Range from 800 to 7,000 lm - with wide beams over 100 degrees
- 10W/20W only 27,5 mm high
- Including connection wire of 1 meter
- NEW: 10/20W also available in 3000K warm white light colour
- NEW accessories: Ground spikes and Wall brackets

Benefits

- Aesthetic modern design blends into any architectural environment
- High energy saving compared to halogen and high pressure sodium lamps
- Robust and water- and dustproof
- Easy to install by using original OpplE accessories

Application



Industrial



Warehouse



Station



Parking



Home



Garden

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Beam Angle(°)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140059492	LED Flood-E Re150-10W-3000	10	750	75	0.49A	≥80	3000	100	30,000	20,000	6956321892036
140059493	LED Flood-E Re150-20W-3000	20	1500	75	0.95A	≥80	3000	100	30,000	20,000	6956321892043
140055441	LED Flood-E Re150-10W-4000	10	800	80	0.05A	≥80	4000	100	30,000	20,000	6956321886141
140055442	LED Flood-E Re150-20W-4000	20	1600	80	0.1A	≥80	4000	100	30,000	20,000	6956321886158
140060745	LED Flood-E Re150-10W-3000-WH	10	750	75	0.49A	≥80	3000	100	30,000	20,000	6956321894207
140060746	LED Flood-E Re150-10W-4000-WH	10	800	80	0.49A	≥80	4000	100	30,000	20,000	6956321894214
140060747	LED Flood-E Re150-20W-3000-WH	20	1500	75	0.95A	≥80	3000	100	30,000	20,000	6956321894221
140060748	LED Flood-E Re150-20W-4000-WH	20	1600	80	0.95A	≥80	4000	100	30,000	20,000	6956321894238
140054491	LED Flood-E Re250-30W-4000-GR	30	3000	105	0.13A	≥80	4000	110	50,000	30,000	6956712681942
140054492	LED Flood-E Re280-50W-4000-GR	50	5000	105	0.25A	≥80	4000	110	50,000	30,000	6956712681959
140054493	LED Flood-E Re280-70W-4000-GR	70	7000	105	0.33A	≥80	4000	110	50,000	30,000	6956712681966

Accessories

Item Code	Item Description	EAN1
140060789	LED Flood-E-Re150-Spike-BL	6956321895167
140060792	LED Flood-E-Re250-280-Spike-BL	6956321895174
140060790	LED Flood-E-Re150-Bracket-BL	6956321895181
140060791	LED Flood-E-Re150-Bracket-WH	6956321895198
140060793	LED Flood-E-Re250-280-Bracket-BL	6956321895204

Spike



Bracket



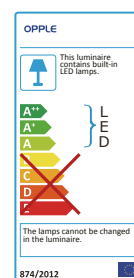
Bracket 150 fits 10/20W versions, Bracket 250-280 fits 30/50/70W versions

Technical Specifications	
On-/Off-cycles	100,000
Colour consistency (SDCM)	4
Dimming	No
Finishing	Black / White
IP-grade	65
IK-grade	8
Integrated driver (Yes/No)	Yes
Glow wire test (°C)	650
Driver early failure rate	1% at 5,000 hr
Product weight (kg)	0.5 kg (10/20W), 1.6 kg (30W), 2.2 kg (50/70W)
Insulation class	I
PF	0.9

Electrical Supply	
Frequency (Hz)	50/60
Voltage (V)	220-240
AC/DC	AC

Mechanical Properties	
Housing material	Die-cast aluminium
Optical material	Aluminium
Cover material	Tempered glass

Application Conditions	
Operating temperature (°C)	-15 - +40 C
Reference temperature (°C)	25 C
Storage temperature (°C)	-30 - +60 C

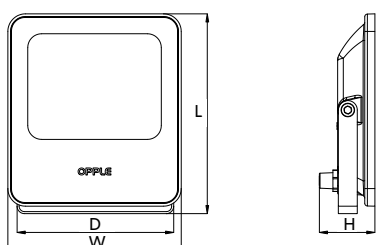


Product and packaging information

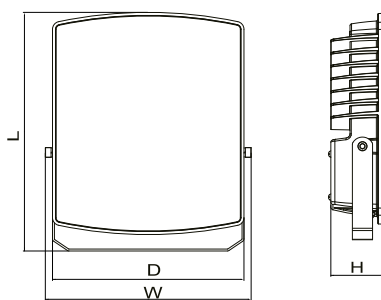
Item		Single box (1pc/box)			Outer box		
		10W/20W/30W: 8 pcs/box 50/70W: 6 pcs/box					
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140059492	LED Flood-E Re150-10W-3000	155 x 140 x 72	0.6	6956321892036	325 x 295 x 160	5.5	6956321892081
140059493	LED Flood-E Re150-20W-3000	155 x 140 x 72	0.6	6956321892043	325 x 295 x 160	5.5	6956321892098
140055441	LED Flood-E Re150-10W-4000	184x163x82	0.6	6956321886141	386x344x190	5.5	6956321886165
140055442	LED Flood-E Re150-20W-4000	184x163x82	0.6	6956321886158	386x344x190	5.5	6956321886172
140060745	LED Flood-E Re150-10W-3000-WH	155 x 140 x 72	0.6	6956321894207	325 x 295 x 160	5.5	6956321894283
140060746	LED Flood-E Re150-10W-4000-WH	155 x 140 x 72	0.6	6956321894214	325 x 295 x 160	5.5	6956321894290
140060747	LED Flood-E Re150-20W-3000-WH	155 x 140 x 72	0.6	6956321894221	325 x 295 x 160	5.5	6956321894306
140060748	LED Flood-E Re150-20W-4000-WH	155 x 140 x 72	0.6	6956321894238	325 x 295 x 160	5.5	6956321894313
140054491	LED Flood-E Re250-30W-4000-GR	108 x 248 x 295	1.8	6956712681942	315x450x510	15.6	6956712681973
140054492	LED Flood-E Re280-50W-4000-GR	118 x 288 x 335	2.5	6956712681959	355x370x590	15.8	6956712681980
140054493	LED Flood-E Re280-70W-4000-GR	118 x 288 x 335	2.2	6956712681966	355x370x590	16.0	6956712681997
140060789	LED Flood-E-Re150-Spike-BL	56 x 56 x 178	0.15	6956321895167	360 x 302 x 197	6.4	6956321895211
140060792	LED Flood-E-Re250-280-Spike-BL	115 x 115 x 269	0.48	6956321895174	480 x 363 x 288	8.6	6956321895228
140060790	LED Flood-E-Re150-Bracket-BL	360 x 130 x 109	1.00	6956321895181	374 x 276 x 239	4.8	6956321895235
140060791	LED Flood-E-Re150-Bracket-WH	360 x 130 x 109	1.00	6956321895198	374 x 276 x 239	4.8	6956321895242
140060793	LED Flood-E-Re250-280-Bracket-BL	360 x 150 x 109	1.30	6956321895204	374 x 316 x 239	6.0	6956321895259

Dimensional Drawing (mm)

LED Flood 10/20W



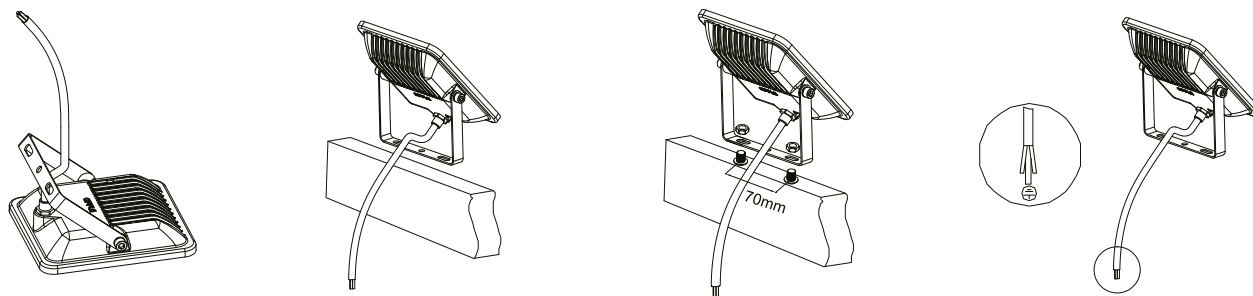
LED Flood 30/50/70W



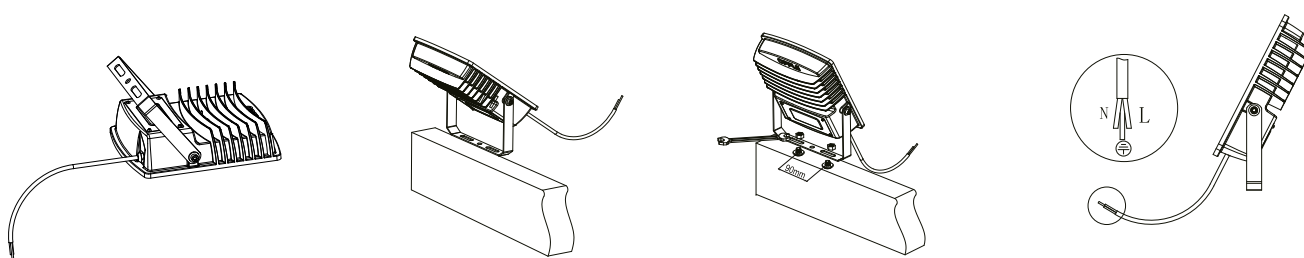
Model	L (mm)	W (mm)	H (mm)	D (mm)
10W	147	128	41	116
20W	147	128	41	116
30W	250	215	62	200
50W	280	248	65	230
70W	280	248	65	230

Installation possibilities

10W-20W

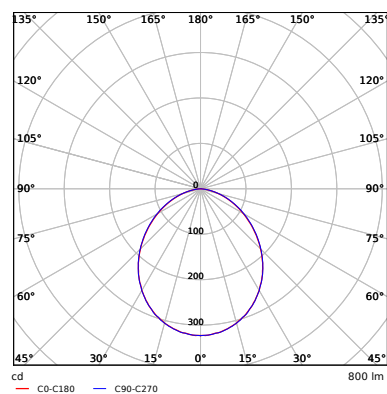


30W-50W-70W

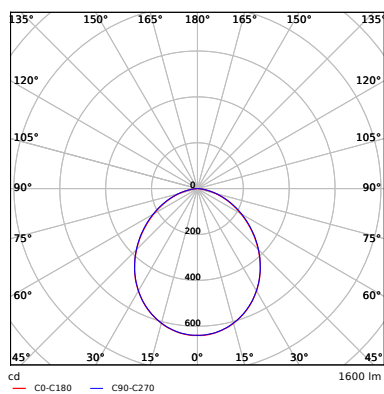


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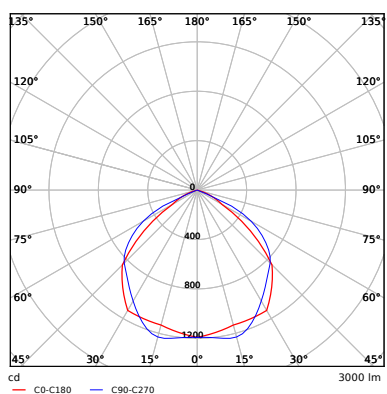
LEDflood-E-Re150-10W



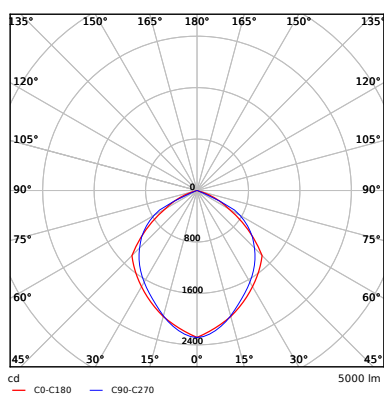
LEDflood-E-Re150-20W



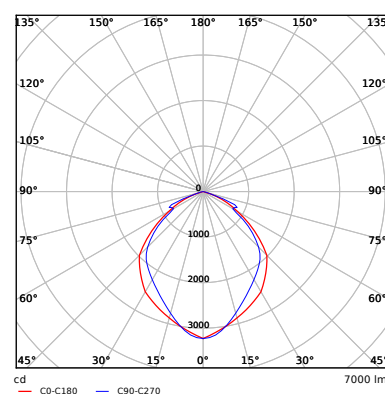
LEDflood-E RE250-30W

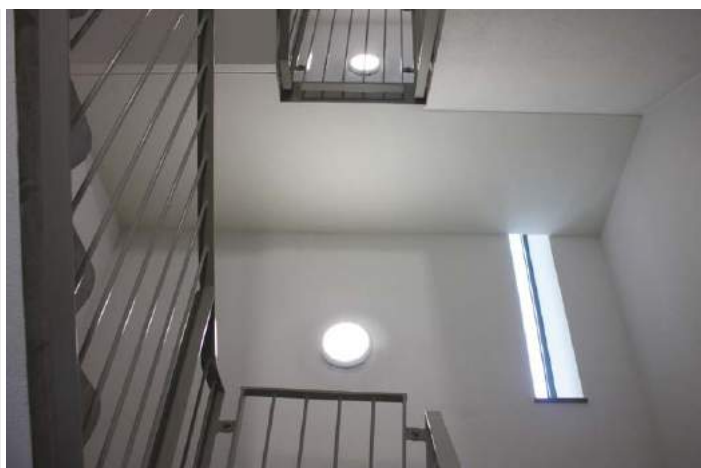
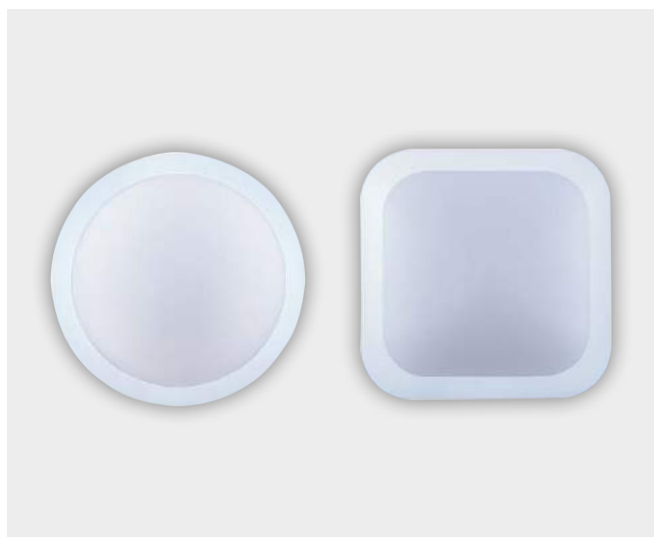


LEDflood-E RE280-50W



LEDflood-E RE280-70W





LED Wall-Mounted EcoMax

Features

- High efficacy, replacing 2x18W or 2x26 CFL fixtures
- IP66 and IK10 for use in demanding usage environments
- Instant full light on
- Option for combined motion/daylight sensor (type "microwave") → MD Version
- Efficient and homogenous diffusor
- Available in modern round and square designs

Benefits

- Over 60% energy savings compared to compact fluorescent
- Lowering operation cost and maintenance cost
- Well integrated in architecture and comfortable light distribution
- Easy connection and installation

Application



Parking



Gymnasium



School



Station



Medical

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140051998	LEDWall-Mounted Rd300-13W-3000-WH	13	1000	77	0.08A	≥ 80	3000	50,000	30,000	6956712644879
140051999	LEDWall-Mounted Rd300-13W-3000-MD-WH	13	1000	77	0.08A	≥ 80	3000	50,000	30,000	6956712644886
140052000	LEDWall-Mounted Sq300-13W-3000-WH	13	1000	77	0.08A	≥ 80	3000	50,000	30,000	6956712644893
140052001	LEDWall-Mounted Sq300-13W-3000-MD-WH	13	1000	77	0.08A	≥ 80	3000	50,000	30,000	6956712644909
140051994	LEDWall-Mounted Rd300-13W-4000-WH	13	1100	85	0.08A	≥ 80	4000	50,000	30,000	6956712644831
140051995	LEDWall-Mounted Rd300-13W-4000-MD-WH	13	1100	85	0.08A	≥ 80	4000	50,000	30,000	6956712644848
140051996	LEDWall-Mounted Sq300-13W-4000-WH	13	1100	85	0.08A	≥ 80	4000	50,000	30,000	6956712644855
140051997	LEDWall-Mounted Sq300-13W-4000-MD-WH	13	1100	85	0.08A	≥ 80	4000	50,000	30,000	6956712644862
140058219	LEDWall-Mounted Rd300-20W-3000-WH	20	1700	85	0.08A	>80	3000	50,000	30,000	6956712607454
140058220	LEDWall-Mounted Rd300-20W-3000-MD-WH	20	1700	85	0.08A	>80	3000	50,000	30,000	6956712607461
140058221	LEDWall-Mounted Sq300-20W-3000-WH	20	1700	85	0.08A	>80	3000	50,000	30,000	6956712607478
140058222	LEDWall-Mounted Sq300-20W-3000-MD-WH	20	1700	85	0.08A	>80	3000	50,000	30,000	6956712607485
140058215	LEDWall-Mounted Rd300-20W-4000-WH	20	1800	90	0.08A	>80	4000	50,000	30,000	6956712607379
140058216	LEDWall-Mounted Rd300-20W-4000-MD-WH	20	1800	90	0.08A	>80	4000	50,000	30,000	6956712607423
140058217	LEDWall-Mounted Sq300-20W-4000-WH	20	1800	90	0.08A	>80	4000	50,000	30,000	6956712607430
140058218	LEDWall-Mounted Sq300-20W-4000-MD-WH	20	1800	90	0.08A	>80	4000	50,000	30,000	6956712607447

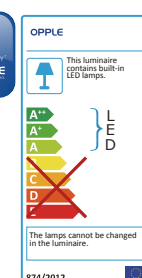
Emergency lighting available on request (incl. integrated 1hr battery pack)

Technical Specifications	
On-/Off-cycles	100,000
Colour consistency (SDCM)	5
Dimming	No
UGR	25
Finishing	White RAL9003
IP-grade	66
IK-grade	10
Protection class	II
Integrated driver (Yes/No)	Yes
Glow wire test (°C)	650
Driver early failure rate	1% at 5.000 hrs
Weight (kg/pc)	1.1/1.2
PF	0.9

Electrical Supply	
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties	
Housing material	Polycarbonate
Optical material	Polycarbonate

Application Conditions	
Operating temperature	-25 to +45
Application temperature	+25
Storage environment	-25 - +50°C

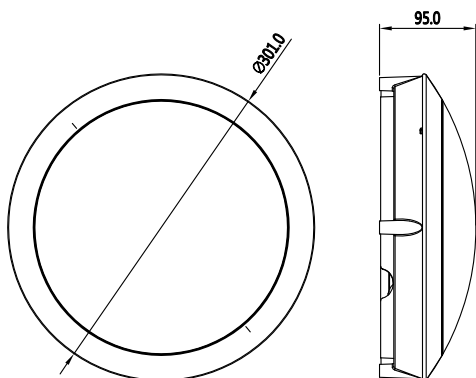


Packaging information

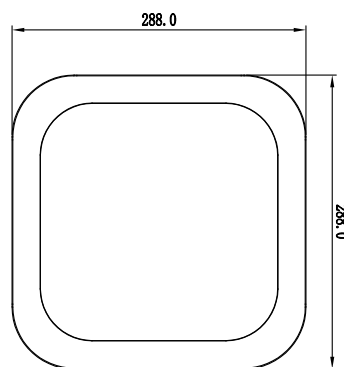
Item		Single box (1pc/box)			Outer box (8pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140051998	LEDWall-Mounted Rd300-13W-3000-WH	98x304x304	1.1	6956712644879	325x625x410	9.9	6956712644954
140051999	LEDWall-Mounted Rd300-13W-3000-MD-WH	98x304x304	1.1	6956712644886	325x625x410	10.0	6956712644961
140052000	LEDWall-Mounted Sq300-13W-3000-WH	91x291x291	1.2	6956712644893	312x597x382	10.3	6956712644978
140052001	LEDWall-Mounted Sq300-13W-3000-MD-WH	91x291x291	1.2	6956712644909	312x597x382	10.5	6956712644985
140051994	LEDWall-Mounted Rd300-13W-4000-WH	98x304x304	1.1	6956712644831	325x625x410	9.9	6956712644916
140051995	LEDWall-Mounted Rd300-13W-4000-MD-WH	98x304x304	1.1	6956712644848	325x625x410	10.0	6956712644923
140051996	LEDWall-Mounted Sq300-13W-4000-WH	91x291x291	1.2	6956712644855	312x597x382	10.3	6956712644930
140051997	LEDWall-Mounted Sq300-13W-4000-MD-WH	91x291x291	1.2	6956712644862	312x597x382	10.5	6956712644947
140058219	LEDWall-Mounted Rd300-20W-3000-WH	304x304x98	1.12	6956712607454	625x410x325	10.04	6956712612397
140058220	LEDWall-Mounted Rd300-20W-3000-MD-WH	304x304x98	1.16	6956712607461	625x410x325	10.36	6956712612687
140058221	LEDWall-Mounted Sq300-20W-3000-WH	291x291x91	1.2	6956712607478	595x375x315	10.56	6956712612694
140058222	LEDWall-Mounted Sq300-20W-3000-MD-WH	291x291x91	1.24	6956712607485	595x375x315	10.88	6956712612762
140058215	LEDWall-Mounted Rd300-20W-4000-WH	304x304x98	1.12	6956712607379	625x410x325	10.04	6956712666468
140058216	LEDWall-Mounted Rd300-20W-4000-MD-WH	304x304x98	1.16	6956712607423	625x410x325	10.36	6956712612366
140058217	LEDWall-Mounted Sq300-20W-4000-WH	291x291x91	1.2	6956712607430	595x375x315	10.56	6956712612373
140058218	LEDWall-Mounted Sq300-20W-4000-MD-WH	291x291x91	1.24	6956712607447	595x375x315	10.88	6956712612380

Dimensional Drawing (mm)

LEDWall-Mounted Rd300

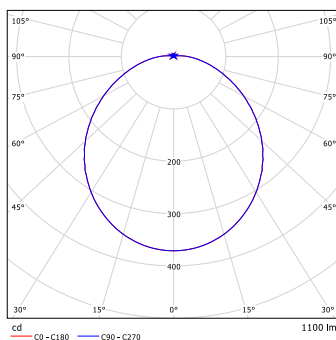


LEDWall-Mounted Sq300

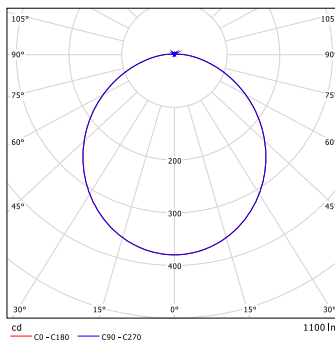


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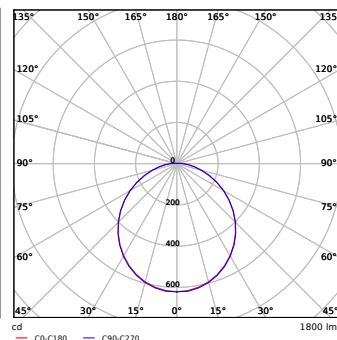
LEDWall-Mounted Rd300-13W



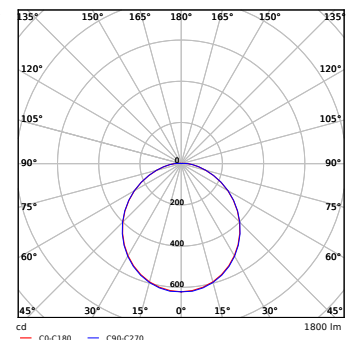
LEDWall-Mounted Sq300-13W

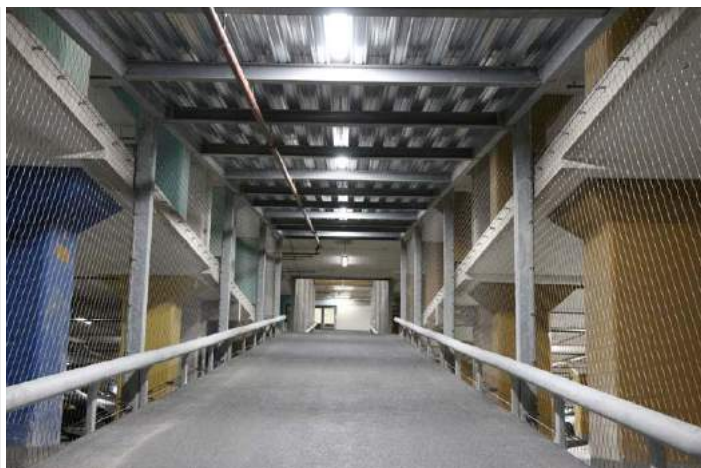


LEDWall-Mounted Rd300-20W



LEDWall-Mounted Sq300-20W





LED Waterproof Performer G2

Features

- Waterproof luminaire with high efficacy of 110 lm/W
- Available in 3 lengths and 6 lumen packages
- Versions with DALI or Emergency lighting
- Specific "sealed for life" design for LED (IP65)
- Impact resistant polycarbonate housing (IK08)
- Prepared for through wiring
- UV protected polycarbonate

Benefits

- Up to 60% lower energy consumption compared to traditional TL lighting
- Quick installation with through wiring and easy end-cap connections
- Wide range ensures availability of the right fixture for projects
- Sturdy yet sleek design gives great application freedom
- In conformity with HACCP

Application



Industrial



Warehouse



Parking



Medical



School

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Equivalent to (W)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140057864	LEDWaterproof-P2 L653-12.5W-4000	12,5	1375	110	0.13A	≥80	4000	1x18W	70,000	50,000	6956712606358
140057865	LEDWaterproof-P2 L653-23W-4000	23	2530	110	0.20A	≥80	4000	2x18W	70,000	50,000	6956712606365
140057866	LEDWaterproof-P2 L1263-23W-4000	23	2530	110	0.20A	≥80	4000	1x36W	70,000	50,000	6956712606372
140057867	LEDWaterproof-P2 L1263-40W-4000	40	4400	110	0.32A	≥80	4000	2x36W	70,000	50,000	6956712606389
140057868	LEDWaterproof-P2 L1563-27W-4000	27	2970	110	0.20A	≥80	4000	1x58W	70,000	50,000	6956712606396
140057869	LEDWaterproof-P2 L1563-51W-4000	51	5610	110	0.32A	≥80	4000	2x58W	70,000	50,000	6956712606402
140058166	LEDWaterproof-P2 L1563-51W-6500	51	5610	110	0.32A	≥80	6500	2x58W	70,000	50,000	6956712607300
140057870	LEDWaterproof-P2 L653-13W-DALI-4000	13	1430	110	0.08A	≥80	4000	1x18W	70,000	50,000	6956712606419
140057871	LEDWaterproof-P2 L653-24W-DALI-4000	24	2640	110	0.13A	≥80	4000	2x18W	70,000	50,000	6956712606426
140057872	LEDWaterproof-P2 L1263-24W-DALI-4000	24	2640	110	0.13A	≥80	4000	1x36W	70,000	50,000	6956712606433
140057873	LEDWaterproof-P2 L1263-45W-DALI-4000	45	4950	110	0.24A	≥80	4000	2x36W	70,000	50,000	6956712606440
140057874	LEDWaterproof-P2 L1563-28W-DALI-4000	28	3080	110	0.15A	≥80	4000	1x58W	70,000	50,000	6956712606457
140057875	LEDWaterproof-P2 L1563-55W-DALI-4000	55	6050	110	0.29A	≥80	4000	2x58W	70,000	50,000	6956712606464
140058167	LEDWaterproof-P2 L1563-55W-DALI-6500	55	6050	110	0.29A	≥80	6500	2x58W	70,000	50,000	6956712607317

Emergency lighting available on request (incl. 1hr battery pack)

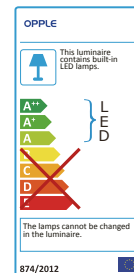
Available on request with 3- or 5- pole Wieland GST18i connector

Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	4
Dimmable	No
Beam angle (°)	110/120
Colour of finish	RAL 7035
IP	IP65
IK	IK08
Protection class	I
Integrated driver (Yes/No)	No
Glow wire test	650
Driver failure rate	1% at 5,000 hr
Weight (kg/pc)	0,89
PF	0.9

Electrical Supply	
Frequency (Hz)	50/60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties	
Housing material	PC
Optical material	PC/ALU
Ceiling clips	Stainless steel

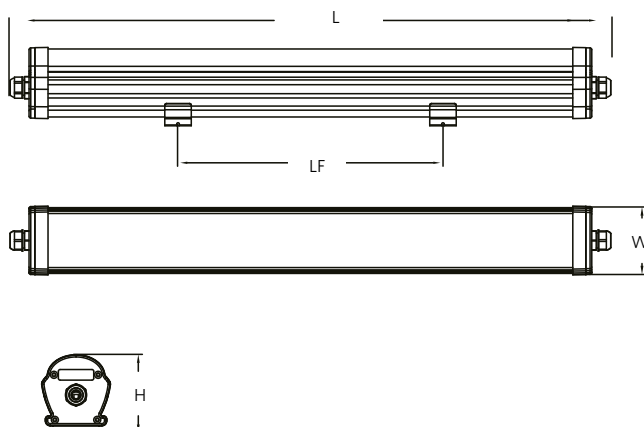
Application Conditions	
Operating temperature	-20 ~ +40°C
Application temperature	25°C
Storage environment	-25 ~ +50°C



Packaging information

Item		Single box (1pc/box)			Outer box (6pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140057864	LEDWaterproof-P2 L653-12.5W-4000	690x83x85	1.0	6956712606358	755x264x190	6.9	6956712609113
140057865	LEDWaterproof-P2 L653-23W-4000	690x83x85	1.1	6956712606365	755x264x190	7.1	6956712609120
140057866	LEDWaterproof-P2 L1263-23W-4000	1295x83x85	1.7	6956712606372	1360x264x190	11.1	6956712640086
140057867	LEDWaterproof-P2 L1263-40W-4000	1295x83x85	1.7	6956712606389	1360x264x190	11.3	6956712609137
140057868	LEDWaterproof-P2 L1563-27W-4000	1595x83x85	2.0	6956712606396	1660x264x190	12.8	6956712609229
140057869	LEDWaterproof-P2 L1563-51W-4000	1595x83x85	2.0	6956712606402	1660x264x190	12.9	6956712609236
140058166	LEDWaterproof-P2 L1563-51W-6500	1595x83x85	2.0	6956712607300	1660x264x190	12.9	6956712609434
140057870	LEDWaterproof-P2 L653-13W-DALI-4000	690x83x85	1.0	6956712606419	755x264x190	6.9	6956712609243
140057871	LEDWaterproof-P2 L653-24W-DALI-4000	690x83x85	1.1	6956712606426	755x264x190	7.1	6956712609250
140057872	LEDWaterproof-P2 L1263-24W-DALI-4000	1295x83x85	1.7	6956712606433	1360x264x190	11.1	6956712609267
140057873	LEDWaterproof-P2 L1263-45W-DALI-4000	1295x83x85	1.7	6956712606440	1360x264x190	11.3	6956712609397
140057874	LEDWaterproof-P2 L1563-28W-DALI-4000	1595x83x85	2.0	6956712606457	1660x264x190	12.8	6956712609403
140057875	LEDWaterproof-P2 L1563-55W-DALI-4000	1595x83x85	2.0	6956712606464	1660x264x190	12.9	6956712609410
140058167	LEDWaterproof-P2 L1563-55W-DALI-6500	1595x83x85	2.0	6956712607317	1660x264x190	12.9	6956712609441

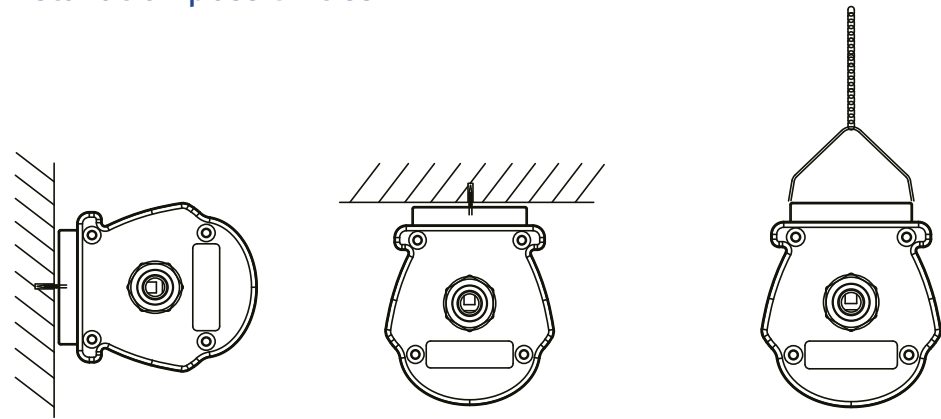
Dimensional Drawing (mm)



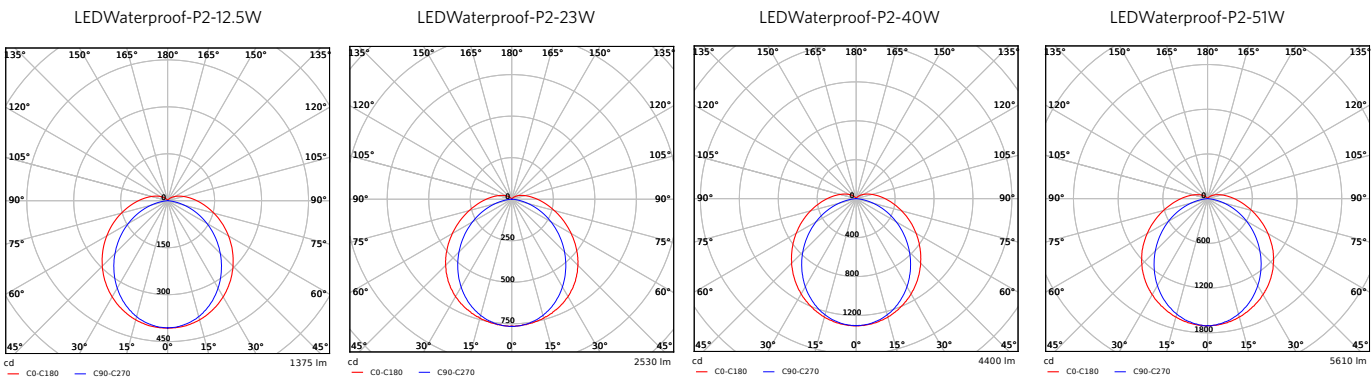
Model	L (mm)	W (mm)	H (mm)	LF (mm)
LEDWaterproof-P2 L653-12.5W	685	80	82	300
LEDWaterproof-P2 L653-23W	685	80	82	300
LEDWaterproof-P2 L1263-23W	1290	80	82	600
LEDWaterproof-P2 L1263-40W	1290	80	82	600
LEDWaterproof-P2 L1563-27W	1590	80	82	750
LEDWaterproof-P2 L1563-51W	1590	80	82	750
LEDWaterproof-P2 L1563-51W	1590	80	82	750

Model	L (mm)	W (mm)	H (mm)	LF (mm)
LEDWaterproof-P2 L653-13W-DALI	685	80	82	300
LEDWaterproof-P2 L653-24W-DALI	685	80	82	300
LEDWaterproof-P2 L1263-24W-DALI	1290	80	82	600
LEDWaterproof-P2 L1263-45W-DALI	1290	80	82	600
LEDWaterproof-P2 L1563-28W-DALI	1590	80	82	750
LEDWaterproof-P2 L1563-55W-DALI	1590	80	82	750
LEDWaterproof-P2 L1563-55W-DALI	1590	80	82	750

Installation possibilities



Photometric Data





LED Waterproof EcoMax

Features

- New waterproof luminaire in “sealed for life” concept
- Available in 3 lengths and 6 lumen packages, with efficacy of 100 lm/W
- High degree of protection: IP65 and IK08
- Prepared for through wiring
- UV protected polycarbonate
- Standard delivered with stainless steel ceiling and suspension clips

Benefits

- Quick and easy installation with through wiring at end caps
- Up to 50% lower energy consumption compared to traditional TL lighting
- No flickering
- In conformity with HACCP

Applications



Industrial



Warehouse



Parking



Medical



School

Specifications

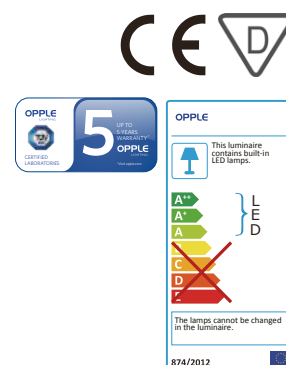
Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	EAN1
140057384	LEDWaterproof-E L650-10W-4000-FR	10	1000	100	0.05A	≥80	4,000	50,000	30,000	6956712693266
140057385	LEDWaterproof-E L650-23W-4000-FR	23	2100	90	0.11A	≥80	4,000	50,000	30,000	6956712693273
140057386	LEDWaterproof-E L1250-20W-4000-FR	20	2000	100	0.09A	≥80	4,000	50,000	30,000	6956712693280
140057387	LEDWaterproof-E L1250-43W-4000-FR	43	3900	90	0.2A	≥80	4,000	50,000	30,000	6956712693297
140057388	LEDWaterproof-E L1550-29W-4000-FR	29	2900	100	0.13A	≥80	4,000	50,000	30,000	6956712693303
140057389	LEDWaterproof-E L1550-57W-4000-FR	57	5200	90	0.25A	≥80	4,000	50,000	30,000	6956712693310
140058165	LEDWaterproof-E L1550-57W-6500-FR	57	5400	95	0.25A	≥80	6,500	50,000	30,000	6956712607294

Technical Specifications	
On / Off cycles	100,000
Colour consistency (SDCM)	< 4
Dimmable	No
Beam angle (°)	110 °
Colour of finish	Grey 421C
IP	IP65
IK	IK08
Protection class	II
Integrated driver (Yes / No)	Yes
Glow wire test	650°
Driver failure rate	1% at 5.000 hr
Weight (kg/pc)	0.62
PF	0.9

Electrical supply	
Frequency (Hz)	50 / 60
Voltage (V)	220-240
AC / DC	AC

Mechanical Properties	
Housing material	PC ALU
Optical Material	PC

Application Conditions	
Operating temperature	-20 - +45°C
Application temperature	25°C
Storage environment	-25 - +50°C

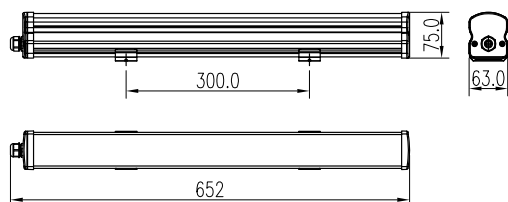


Packaging information

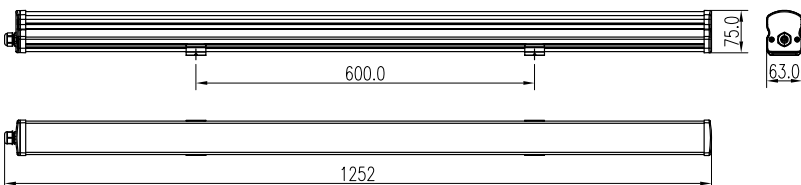
Item			Single box (1pc/box)			Outer box (12pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxLxL)	Dimensions (mm) (HxLxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxLxL)	Gross Weight (kg)	EAN2
140057384	LEDWaterproof-E L650-10W-4000-FR	670x63x75	663x70x82	0.740	6956712693266	730x300x260	8.88	6956712607102
140057385	LEDWaterproof-E L650-23W-4000-FR	670x63x75	663x70x82	0.740	6956712693273	730x300x260	8.88	6956712607119
140057386	LEDWaterproof-E L1250-20W-4000-FR	1270x63x75	1263x70x82	1.350	6956712693280	1335x300x260	16.20	6956712607126
140057387	LEDWaterproof-E L1250-43W-4000-FR	1270x63x75	1263x70x82	1.350	6956712693297	1335x300x260	16.20	6956712607133
Item			Single box (1pc/box)			Outer box (9pcs/box)		
140057388	LEDWaterproof-E L1550-29W-4000-FR	1570x63x75	1563x70x82	1.520	6956712693303	1635x300x260	13.68	6956712607140
140057389	LEDWaterproof-E L1550-57W-4000-FR	1570x63x75	1563x70x82	1.520	6956712693310	1635x300x260	13.68	6956712607157
140058165	LEDWaterproof-E L1550-57W-6500-FR	1570x63x75	1563x70x82	1.520	6956712607294	1635x300x260	13.68	6956712609427

Dimensional Drawing (mm)

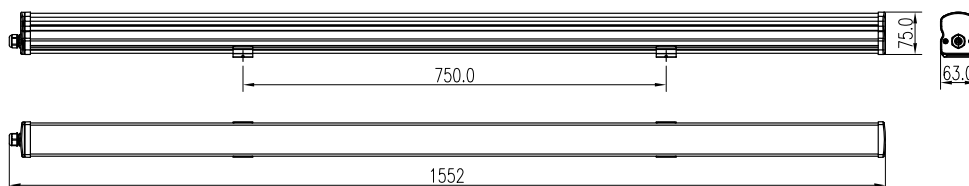
LEDWaterproof-E L650



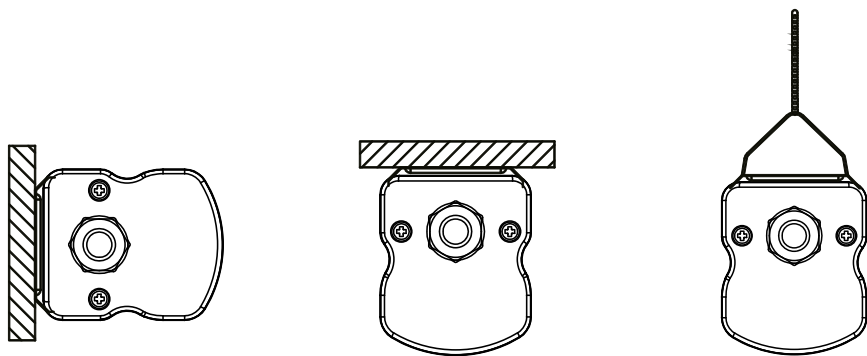
LEDWaterproof-E L1250



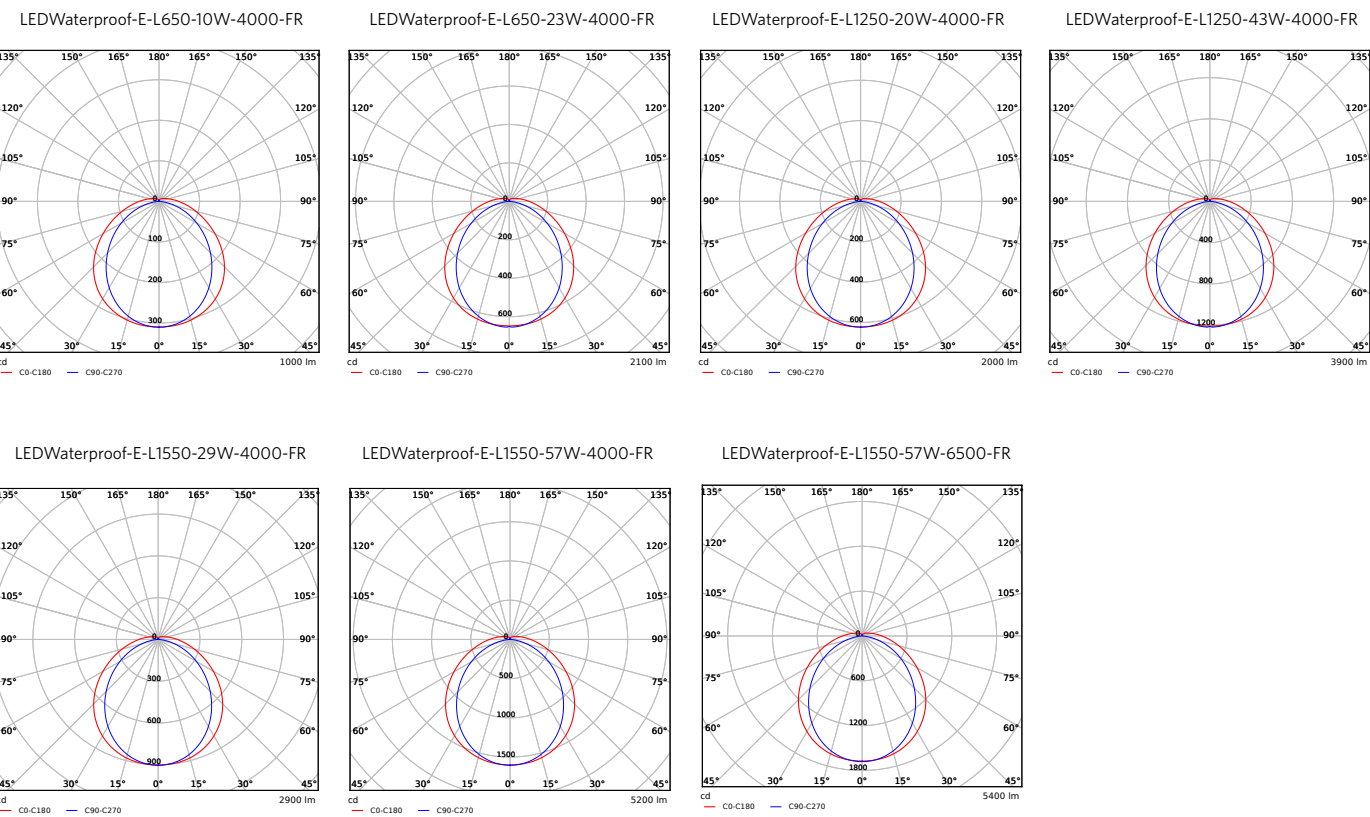
LEDWaterproof-E L1550



Installation possibilities



Photometric Data





LED T5 Batten EcoMax

Features

- Supplied with cable and connection accessories
- Reliable and affordable energy-efficient LED tube
- Slim fixture high efficacy up to 89 lm/W
- Battens connect up to 15 meters

Benefits

- Easy to install
- Up to 50% lower energy consumption
- Extended lifespan also reduces maintenance costs
- No warm-up time, 100% light instantly when switched on

Application



Home



Parking



Shopping mall

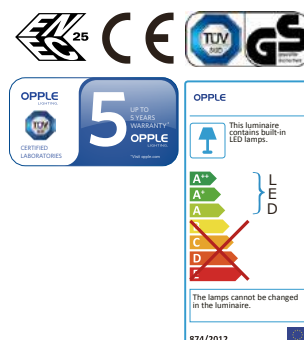


Hotel

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	Weight (gr/pc)	Energy level	EAN1
140043898	LED E T5 batten 600 9W 800lm 3000K CT	9	800	89	0.08A	≥80	3000	40,000	30,000	140	A+	6956712666215
140043899	LED E T5 batten 600 9W 800lm 4000K CT	9	800	89	0.08A	≥80	4000	40,000	30,000	140	A+	6956712666222
140043900	LED E T5 batten 1200 18W 1600lm 3000K CT	18	1600	89	0.14A	≥80	3000	40,000	30,000	240	A+	6956712666239
140043901	LED E T5 batten 1200 18W 1600lm 4000K CT	18	1600	89	0.14A	≥80	4000	40,000	30,000	240	A+	6956712666246

Specifications			
AC / DC	AC	Integrated driver (Yes/No)	Yes
Voltage (V)	220-240	Operating temperature	-20 ~ +40°C
Frequency (Hz)	50/60	colour of finish	White
On / off cycles	100,000	Application temperature	25°C
Beam angle (°)	140	Storage temperature	-25 ~ +50°C
Dimmable	No	Weight (kg/pc)	0.24 / 0.14
IP	20		
Protection class	II		

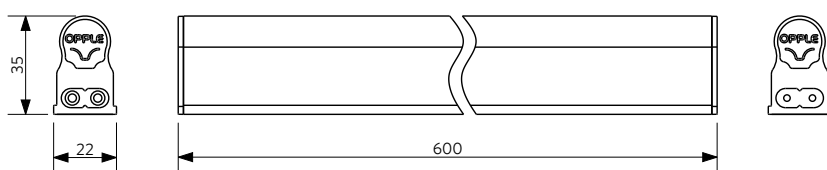


Packaging information

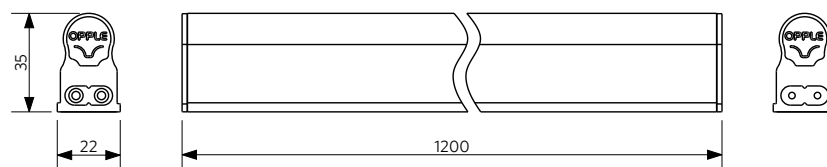
Item		Single box (1pc/box)			Outer box		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140043898	LED E T5 batten 600 9W 800lm 3000K CT	37x29x925	0.3	6956712666215	95x165x935	3.6	6956712631015
140043899	LED E T5 batten 600 9W 800lm 4000K CT	37x29x925	0.3	6956712666222	95x165x935	3.6	6956712631022
140043900	LED E T5 batten 1200 18W 1600lm 3000K CT	37x29x1525	0.4	6956712666239	95x165x1535	4.6	6956712631039
140043901	LED E T5 batten 1200 18W 1600lm 4000K CT	37x29x1525	0.4	6956712666246	95x165x1535	4.6	6956712631046

Dimensional Drawing (mm)

LED E T5 Batten 600

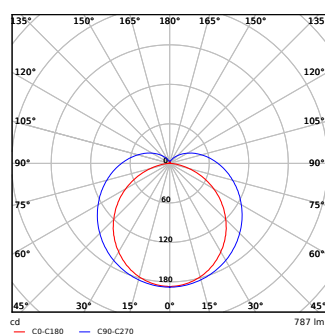


LED E T5 Batten 1200

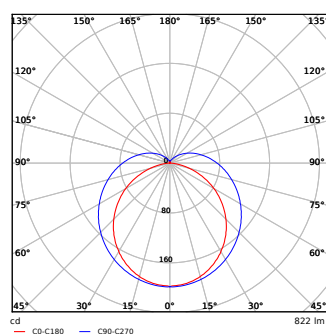


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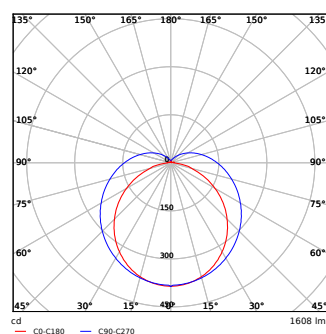
LED E T5 Batten 600 9W 800lm 3000K CT



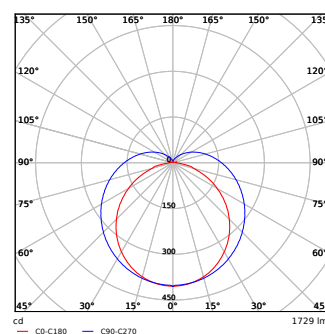
LED E T5 Batten 600 9W 800lm 4000K CT



LED E T5 Batten 1200 18W 1600lm 3000K CT



LED E T5 Batten 1200 18W 1600lm 4000K CT





LED T5 Batten S with switch

Features

- High efficient LED light source
- Easy installation
- Incl. power cable, connection pieces (fixed and flexible)
- Including integrated switch

Benefits

- Energy saving up to 50%
- Uniform, diffused light, creating a pleasant atmosphere
- Long lifetime up to 30,000 hours, no bulb replacement required
- Maximum connectivity up to 10 pieces allows maximum flexibility
- Available in 300, 600, 900 and 1200 mm

Application



Home



Parking



Shopping mall

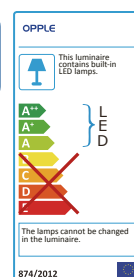


Hotel

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	Weight (gr/pc)	Energy level	EAN1
140043904	LED E T5 batten 300 4.5W S 3000K BL	4.5	400	89	0.04A	≥80	3000	40,000	30,000	83	A+	6956712666277
140044077	LED E T5 batten 300 4.5W S 4000K BL	4.5	400	89	0.04A	≥80	4000	40,000	30,000	83	A+	6956712666352
140043903	LED E T5 batten 600 9W S 3000K BL	9	800	89	0.08A	≥80	3000	40,000	30,000	143	A+	6956712666260
140044076	LED E T5 batten 600 9W S 4000K BL	9	800	89	0.08A	≥80	4000	40,000	30,000	143	A+	6956712666345
140043902	LED E T5 batten 900 11W S 3000K BL	11	950	86	0.09A	≥80	3000	40,000	30,000	186	A+	6956712666253
140044075	LED E T5 batten 900 11W S 4000K BL	11	950	86	0.09A	≥80	4000	40,000	30,000	186	A+	6956712666338
140044293	LED E T5 batten 1200 13W S 3000K BL	13	1200	92	0.11A	≥80	3000	40,000	30,000	250	A+	6956712612731
140044292	LED E T5 batten 1200 13W S 4000K BL	13	1200	92	0.11A	≥80	4000	40,000	30,000	250	A+	6956712612724

Specifications			
AC / DC	AC	Integrated driver (Yes/No)	Yes
Voltage (V)	220-240	Operating temperature	-20 - +40°C
Frequency (Hz)	50/60	colour of finish	White
On / off cycles	100,000	Application temperature	25°C
Beam angle (°)	140	Storage temperature	-25 - +50°C
Dimmable	No	Weight (kg/pc)	0.24 / 0.14
IP	20		
Protection class	II		

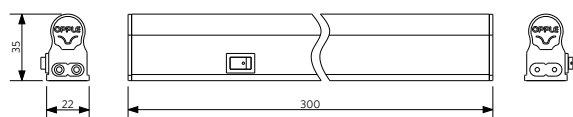


Packaging information

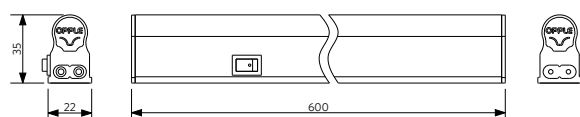
Item		Single box (1pc/box)			Outer box		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140043904	LED E T5 batten 300 4.5W S 3000K BL	575x52x37	0.17	6956712666277	635x205x71	5	6956212631732
140044077	LED E T5 batten 300 4.5W S 4000K BL	575x52x37	0.17	6956712666352	635x205x71	5	6956712631749
140043903	LED E T5 batten 600 9W S 3000K BL	875x52x37	0.26	6956712666260	935x165x170	7	6956712631718
140044076	LED E T5 batten 600 9W S 4000K BL	875x52x37	0.26	6956712666345	935x165x170	7	6956712631725
140043902	LED E T5 batten 900 11W S 3000K BL	1175x52x37	0.34	6956712666253	1235x165x135	6	6956712631695
140044075	LED E T5 batten 900 11W S 4000K BL	1175x52x37	0.34	6956712666338	1235x165x135	6	6956712631701
140044293	LED E T5 batten 1200 13W S 3000K BL	1475x52x37	0.45	6956712612731	1535x165x95	5	6956712631671
140044292	LED E T5 batten 1200 13W S 4000K BL	1475x52x37	0.45	6956712612724	1535x165x95	5	6956712631688

Dimensional Drawing (mm)

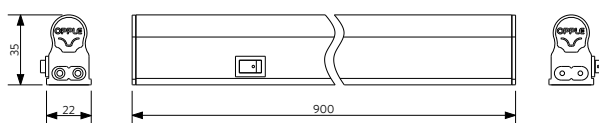
LED E T5 S batten 300



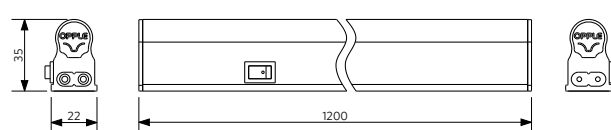
LED E T5 S batten 600



LED E T5 S batten 900

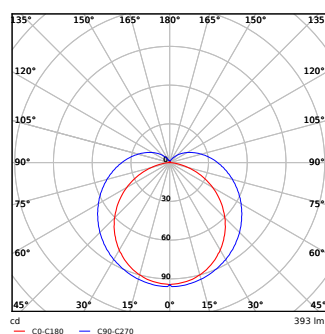


LED E T5 S batten 1200

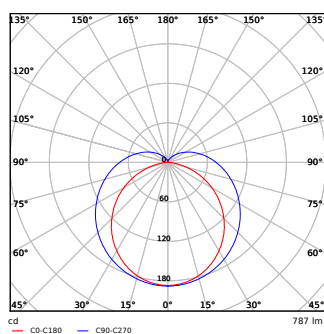


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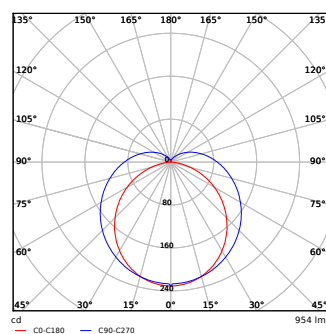
LED E T5 Batten 300 4.5W



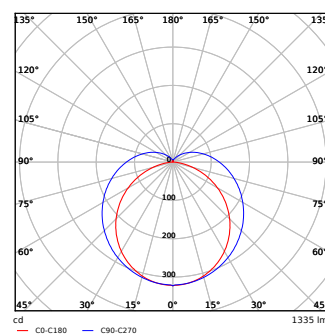
LED E T5 Batten 600 9W



LED E T5 Batten 900 11W



LED E T5 Batten 1200 13W





LED Filament A60, B35, B35BT, P45, ST64, A45

Features

- Flicker-free
- Classic light bulb shape ensures an easy replacement
- Similar appearance as traditional bulbs
- Dimmable (A60 + ST64) and non-dimmable versions available
- ST64 in 2.200K + 2.700K
- Retro design
- NEW: also available in A45

Benefits

- Lower maintenance costs thanks to a long life of 15,000 hours
- Instant 100% light when switched on and no startup time
- No UV / IR radiance so there is less risk of damage
- Up to 86% less energy than traditional bulbs

Application



Home



Retail



Office



Hotel

Specifications

Item Code	Item Description	Voltage (V)	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Weight (g/pc)	Energy level	EAN1
140051145	LED-E-A60-FILA-E27-4W-2700K-CL-BL	220-240	GLS 40W	4	470	118	0.04A	≥80	2700	15,000	33	A++	6956712643711
140051146	LED-E-A60-FILA-E27-6W-2700K-CL-BL	220-240	GLS 60W	6	806	134	0.05A	≥80	2700	15,000	36	A++	6956712643728
140051147	LED-E-B35-FILA-E14-2W-2700K-CL-BL	220-240	GLS 25W	2	249	125	0.02A	≥80	2700	15,000	14	A++	6956712643735
140051148	LED-E-B35-FILA-E14-4W-2700K-CL-BL	220-240	GLS 40W	4	470	118	0.04A	≥80	2700	15,000	15	A++	6956712643742
140051149	LED-E-B35-FILA-TIP-E14-2W-2700K-CL-BL	220-240	GLS 25W	2	249	125	0.02A	≥80	2700	15,000	14	A++	6956712643759
140051150	LED-E-B35-FILA TIP-E14-4W-2700K-CL-BL	220-240	GLS 40W	4	470	118	0.04A	≥80	2700	15,000	15	A++	6956712643766
140051151	LED-E-P45-FILA-E14-2W-2700K-CL-BL	220-240	GLS 25W	2	249	125	0.02A	≥80	2700	15,000	14	A++	6956712643773
140051152	LED-E-P45-FILA-E14-4W-2700K-CL-BL	220-240	GLS 40W	4	470	118	0.04A	≥80	2700	15,000	15	A++	6956712643780
140059809	LED-E-A45-FILA-E27-2W-2700K-CL-BL	220-240	GLS 25w	2	250	125	0.02A	≥80	2700	15,000	14	A++	6956712645418
140059810	LED-E-A45-FILA-E27-4.5W-DIM-2700K-CL-BL	220-240	GLS 40w	4.5	470	104	0.03A	≥80	2700	15,000	15	A++	6956712695642
140056429	LED-E-A60-FILA-E27-4.5W-DIM-2700K-CL-BL	220-240	GLS 40W	4.5	470	104	0.03A	≥80	2700	15,000	56	A++	6956712688620
140056430	LED-E-A60-FILA-E27-7W-DIM-2700K-CL-BL	220-240	GLS 60W	7.0	806	115	0.04A	≥80	2700	15,000	56	A++	6956712688637
140057924	LED-E-ST64-FILA-E27-4.5W-DIM-2700K-CL-BL	220-240	GLS 40W	4.5	470	104	0.03A	≥80	2700	15,000	91	A++	6956712677839
140057925	LED-E-ST64-FILA-E27-7W-DIM-2700K-CL-BL	220-240	GLS 60W	7.0	806	115	0.04A	≥80	2700	15,000	91	A++	6956712677846
140057926	LED-E-ST64-FILA-E27-4.5W-DIM-2200K-CL-BL	220-240	GLS 40W	4.5	400	89	0.03A	≥80	2200	15,000	91	A+	6956712677853
140057927	LED-E-ST64-FILA-E27-7W-DIM-2200K-CL-BL	220-240	GLS 60W	7.0	700	100	0.04A	≥80	2200	15,000	91	A+	6956712677860

Technical Specifications

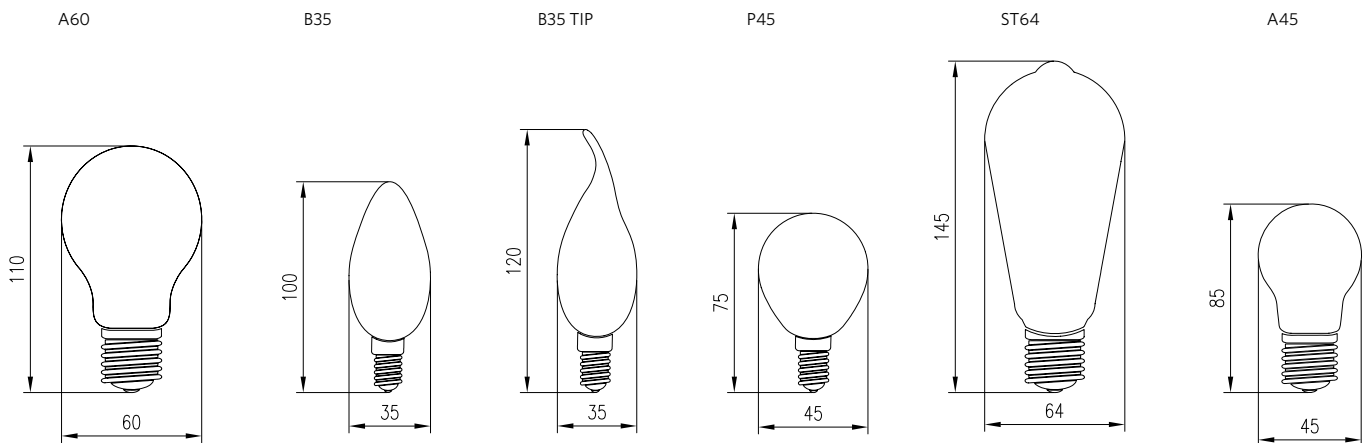
AC / DC	AC
Frequency (Hz)	50 / 60
On/Off cycles	15,000
Beam angle°	360
Dimmable	No / Yes (A60+ST64+A45)
Operating temperature	-20 ~ +40°C
Lamp colour of finish	Clear
Application temperature	25°C
Storage temperature	-25 ~ +50°C



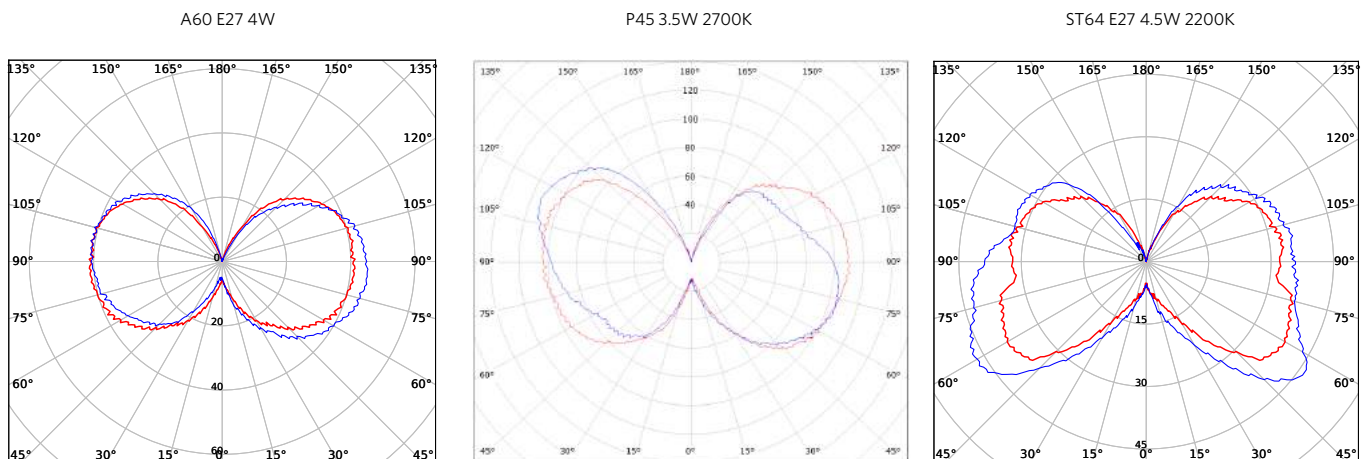
Packaging information

Item		Single box (1pc/box)			Outer box (6pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140051145	LED-E-A60-FILA-E27-4W-2700K-CL-BL	100x63x170	0.07	6956712643711	240x170x185	0.57	6956712643797
140051146	LED-E-A60-FILA-E27-6W-2700K-CL-BL	100x63x170	0.07	6956712643728	240x170x185	0.59	6956712643803
140051147	LED-E-B35-FILA-E14-2W-2700K-CL-BL	100x43x170	0.05	6956712643735	210x160x185	0.41	6956712643810
140051148	LED-E-B35-FILA-E14-4W-2700K-CL-BL	100x43x170	0.05	6956712643742	210x160x185	0.42	6956712643827
140051149	LED-E-B35-FILA-TIP-E14-2W-2700K-CL-BL	100x56x190	0.05	6956712643759	240x170x205	0.44	6956712643834
140051150	LED-E-B35-FILA TIP-E14-4W-2700K-CL-BL	100x56x190	0.05	6956712643766	240x170x205	0.45	6956712643841
140051151	LED-E-P45-FILA-E14-2W-2700K-CL-BL	100x43x170	0.05	6956712643773	210x160x185	0.41	6956712643858
140051152	LED-E-P45-FILA-E14-4W-2700K-CL-BL	100x43x170	0.05	6956712643780	210x160x185	0.42	6956712643865
140056429	LED-E-A60-FILA-E27-4.5W-DIM-2700K-CL-BL	100x63x170	0.06	6956712688620	240x170x185	0.62	6956712688682
140056430	LED-E-A60-FILA-E27-7W-DIM-2700K-CL-BL	100x63x170	0.06	6956712688637	240x170x185	0.62	6956712688699
140057924	LED-E-ST64-FILA-E27-4.5W-DIM-2700K-CL-BL	115x68x200	0.09	6956712677839	250x170x215	0.77	6956712607164
140057925	LED-E-ST64-FILA-E27-7W-DIM-2700K-CL-BL	115x68x200	0.09	6956712677846	250x170x215	0.77	6956712607171
140057926	LED-E-ST64-FILA-E27-4.5W-DIM-2200K-CL-BL	115x68x200	0.09	6956712677853	250x170x215	0.77	6956712607188
140057927	LED-E-ST64-FILA-E27-7W-DIM-2200K-CL-BL	115x68x200	0.09	6956712677860	250x170x215	0.77	6956712607195
140059809	LED-E-A45-FILA-E27-2W-2700K-CL-BL	100x43x170	0.05	6956712645418	210x160x185	0.41	6956712633613
140059810	LED-E-A45-FILA-E27-4.5W-DIM-2700K-CL-BL	100x43x170	0.05	6956712695642	210x160x85	0.41	6956712633620

Dimensional Drawing (mm)



Photometric Data





LED Bulb EcoMax A60 + A70

Features

- Flicker-free
- Classic incandescent shape ensures easy replacement
- Can be dimmed to 10% of maximum intensity
- See appendix 1 for dimmer compatibility list

Benefits

- Long lifespan reduces maintenance cost
- No warm-up time, 100% light instantly when switched on
- No UV/IR radiation, reducing risk of hazards or damaging produce
- Up to 86% lower energy consumption than traditional bulbs

Application



Home



Retail



Office

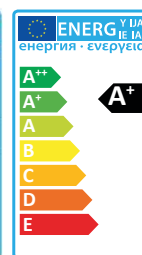
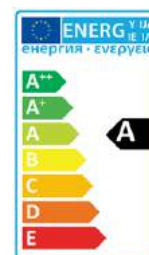


Hotel

Specifications

Item Code	Item Description	Voltage (V)	Equivalent (W)	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Life-span (L70B50)	Weight (gr/pc)	Energy level	EAN1
140044663	LED E A60 E27 6.5W 2700K FR CT	220-240	GLS 40W	6.5	470	72	0.05A	≥80	2700	15,000	62	A+	6956712666925
140044665	LED E A60 E27 9.5W 2700K FR CT	220-240	GLS 60W	9.5	806	85	0.08A	≥80	2700	15,000	100	A+	6956712666949
140044667	LED E A60 E27 5.5W Dim 2700K FR CT	220-240	GLS 30W	5.5	350	64	0.03A	≥80	2700	15,000	75	A	6956712667083
140044669	LED E A60 E27 7W Dim 2700K FR CT	220-240	GLS 40W	7.0	470	67	0.04A	≥80	2700	15,000	75	A	6956712666970
140044671	LED E A60 E27 9.5W Dim 2700K FR CT	220-240	GLS 60W	9.5	806	85	0.05A	≥80	2700	15,000	118	A+	6956712666994
140051573	LED E A70 E27 12W Dim 2700K FR CT	220-240	GLS 75W	12	1055	88	0.06A	≥80	2700	15,000	138	A+	6956712643001

Technical Specifications			
AC / DC	AC	Operating temperature	-20 ~ +40°C
Frequency (Hz)	50 / 60	Lamp colour of finish	White
On / Off cycles	50,000	Application temperature	25°C
Beam angle (°)	200	Storage temperature	-25 ~ +50°C
Dimmable	No / Yes		

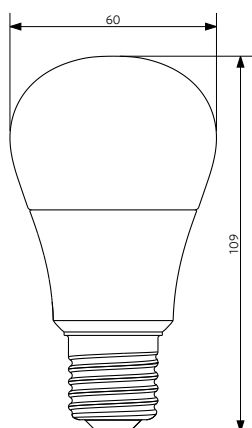


Packaging information

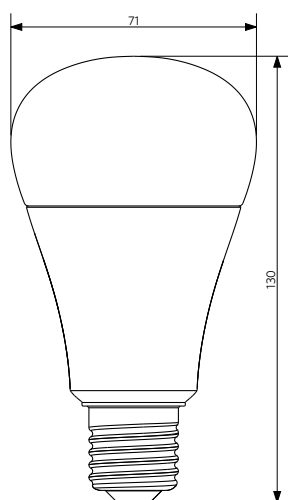
Item		Single box (1pc/box)			Outer box (10pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140044663	LED E A60 E27 6.5W 2700K FR CT	122x62x62	0.08	6956712666925	132x132x320	0.9	6956712631169
140044665	LED E A60 E27 9.5W 2700K FR CT	122x62x62	0.12	6956712666949	132x132x320	1.3	6956712631183
140044667	LED E A60 E27 5.5W Dim 2700K FR CT	122x62x62	0.09	6956712667083	132x132x320	1.1	6956712631206
140044669	LED E A60 E27 7W Dim 2700K FR CT	122x62x62	0.09	6956712666970	132x132x320	1.1	6956712631220
140044671	LED E A60 E27 9.5W Dim 2700K FR CT	122x62x62	0.14	6956712666994	132x132x320	1.5	6956712631244
140051573	LED E A70 E27 12W Dim 2700K FR CT	143x73x73	0.17	6956712643001	153x154x375	1.8	6956712645449

Dimensional Drawing (mm)

LED E A60 E27

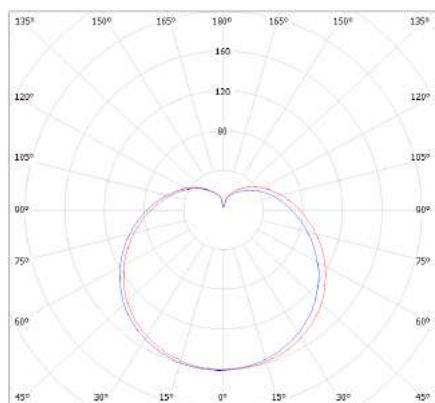


LED E A70 E27

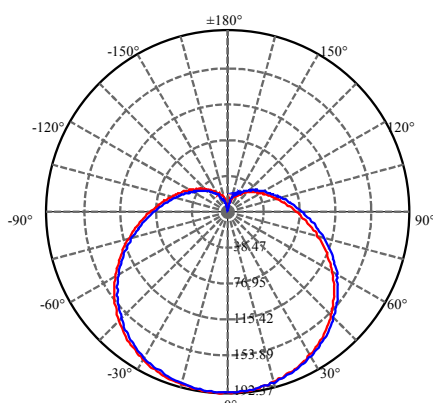


Photometric Data

LED E A60 E27



LED E A70 E27





LED Candle EcoMax B38

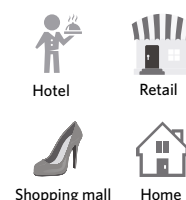
Features

- E14 fitting
- Dimmable
- See appendix 1 for dimmer compatibility list

Benefits

- Up to 82% lower energy consumption
- Lower maintenance cost, lasting 15 times longer than incandescent bulbs
- Easy retrofit on current E14 fitting

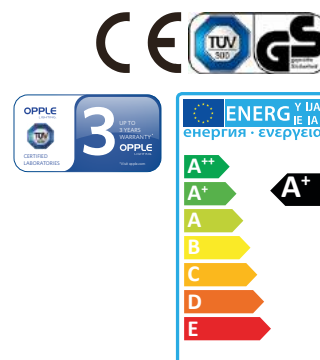
Application



Specifications

Item Code	Item Description	Voltage (V)	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Life-span (L70B50)	Weight (g/pc)	Energy level	EAN1
140048587	LED-E-B38-E14-4W-Dim-2700K-FR-CT	220-240	GLS 25W	4	250	71	0.02A	≥80	2700	15,000	40	A+	6956712627872
140048588	LED-E-B38-E14-6W-Dim-2700K-FR-CT	220-240	GLS 37W	6	420	70	0.03A	≥80	2700	15,000	50	A+	6956712627889

Technical Specifications			
AC / DC	AC	Operating temperature	-20 ~ +40°C
Frequency (Hz)	50 / 60	Lamp colour of finish	White
On / Off cycles	50,000	Application temperature	25°C
Beam angle (°)	200	Storage temperature	-25 ~ +50°C
Dimmable	Yes		

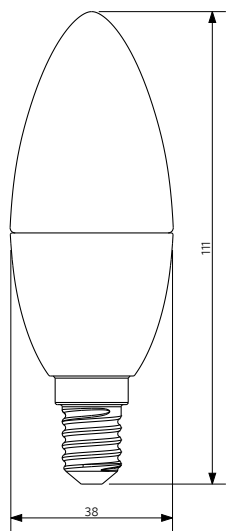


Packaging information

Item		Single box (1pc/box)			Outer box (10pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140048587	LED-E-B38-E14-4W-Dim-2700K-FR-CT	126x42x42	0.08	6956712627872	133x92x225	0.6	6956712633132
140048588	LED-E-B38-E14-6W-Dim-2700K-FR-CT	126x42x42	0.08	6956712627889	133x92x225	0.6	6956712633149

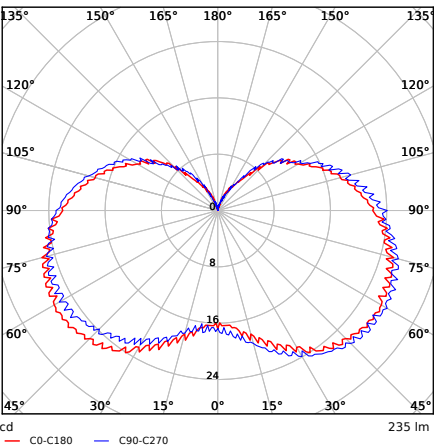
Dimensional Drawing (mm)

LED-E-B38-E14

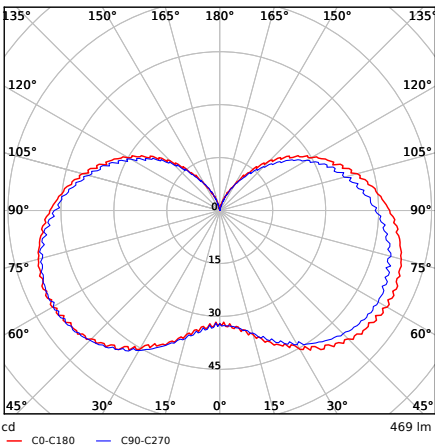


Photometric Data

LED-E-B38-E14-4W-Dim



LED-E-B38-E14-6W-Dim





LED Mini Globe EcoMax P45

Features

- Compact design
- Wide light beam
- Dimmable
- See appendix 1 for dimmer compatibility list

Benefits

- Easy fit into small-size downlight and various decorative luminaires
- Long lifespan reduces maintenance cost
- No warm-up time, 100% light instantly when switched on
- No UV/IR radiation, reducing risk of hazards or damaging goods
- Up to 84% lower energy consumption than traditional bulbs

Application



Home



Retail



Office

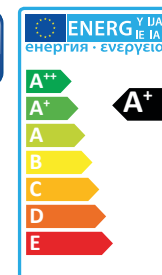


Hotel

Specifications

Item Code	Item Description	Voltage (V)	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Weight (g/pc)	Energy level	EAN1
140044686	LED E P45 E27 4W 2700K FR CT	220-240	GLS 25W	4	250	62.5	0.03A	≥80	2700	15,000	38	A+	6956712666871
140044688	LED E P45 E14 4W 2700K FR CT	220-240	GLS 25W	4	250	62.5	0.03A	≥80	2700	15,000	34	A+	6956712666895

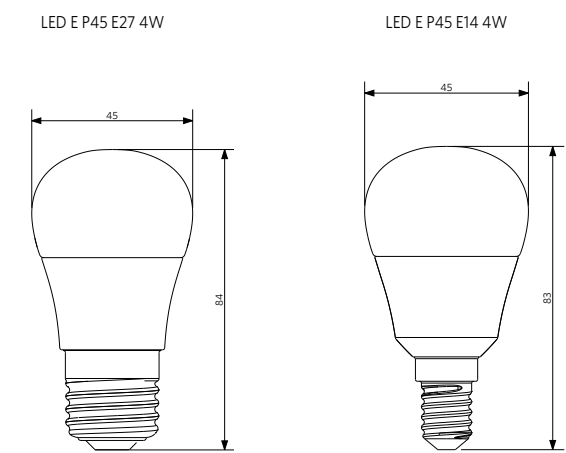
Technical Specifications			
AC / DC	AC	Operating temperature	-20 - +40°C
Frequency (Hz)	50 / 60	Lamp colour of finish	White
On / Off cycles	50,000	Application temperature	25°C
Beam angle (°)	200	Storage temperature	-25 - +50°C
Dimmable	No		



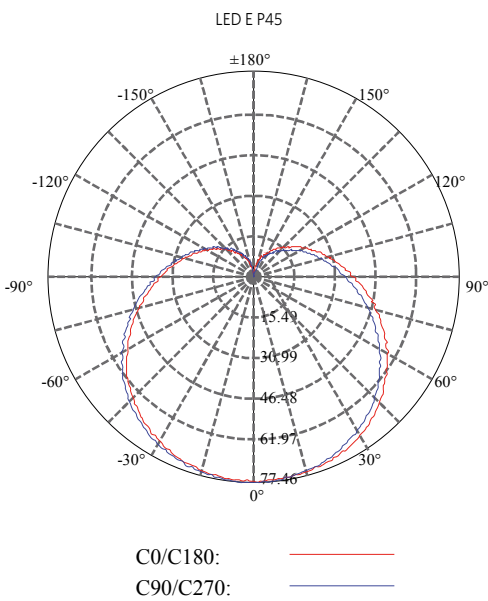
Packaging information

Item		Single box (1pc/box)			Outer box (10pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140044686	LED E P45 E27 4W 2700K FR CT	95x47x47	0.05	6956712666871	105x102x245	0.8	6956712631114
140044688	LED E P45 E14 4W 2700K FR CT	95x47x47	0.05	6956712666895	105x102x245	0.8	6956712631138

Dimensional Drawing (mm)



Photometric Data





LED Mini Globe EcoMax G50

Features

- Compact design
- Wide light beam
- Dimmable
- See appendix 1 for dimmer compatibility list

Benefits

- Easy fit into small-size downlight and various decorative luminaires
- Long lifespan reduces maintenance cost
- No warm-up time, 100% light instantly when switched on
- No UV/IR radiation, reducing risk of hazards or damaging goods
- Up to 84% lower energy consumption than traditional bulbs

Application



Home



Retail



Office

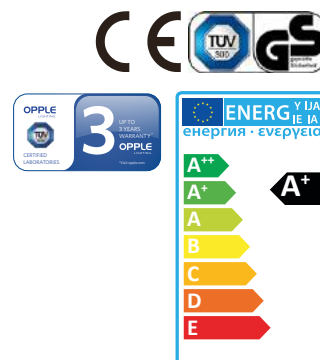


Hotel

Specifications

Item Code	Item Description	Voltage (V)	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Weight (g/pc)	Energy level	EAN1
140048593	LED-E-G50-E27-4W-Dim-2700K-FR-CT	220-240	GLS 25W	4	250	71	0.02A	≥80	2700	15,000	45	A+	6956712627933
140048594	LED-E-G50-E14-4W-Dim-2700K-FR-CT	220-240	GLS 25W	4	250	71	0.02A	≥80	2700	15,000	45	A+	6956712627940
140048595	LED-E-G50-E27-6W-Dim-2700K-FR-CT	220-240	GLS 37W	6	420	70	0.03A	≥80	2700	15,000	55	A+	6956712627957
140048596	LED-E-G50-E14-6W-Dim-2700K-FR-CT	220-240	GLS 37W	6	420	70	0.03A	≥80	2700	15,000	55	A+	6956712627964

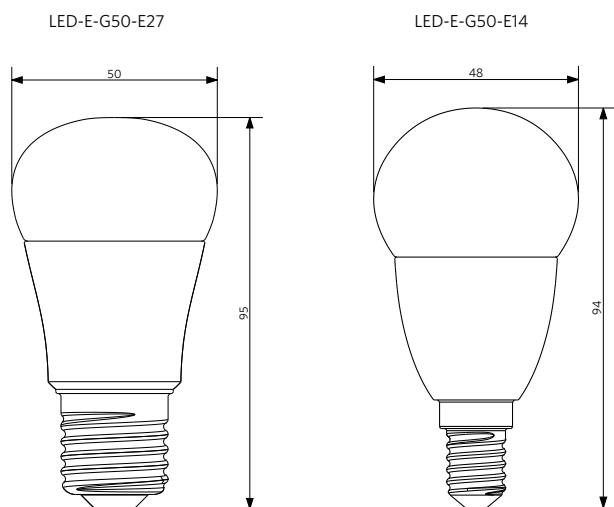
Technical Specifications			
AC / DC	AC	Operating temperature	-20 ~ +40°C
Frequency (Hz)	50 / 60	Lamp colour of finish	White
On / Off cycles	50,000	Application temperature	25°C
Beam angle (°)	200	Storage temperature	-25 ~ +50°C
Dimmable	Yes		



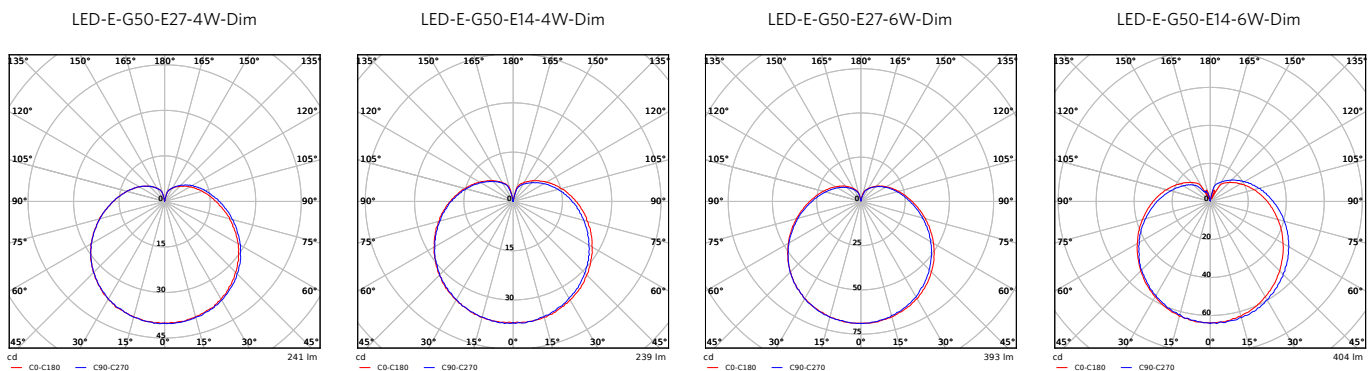
Packaging information

Item		Single box (1pc/box)			Outer box (10pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140048593	LED-E-G50-E27-4W-Dim-2700K-FR-CT	111x52x52	0.06	6956712627933	118x112x274	0.7	6956712633194
140048594	LED-E-G50-E14-4W-Dim-2700K-FR-CT	111x52x52	0.06	6956712627940	118x112x274	0.7	6956712633200
140048595	LED-E-G50-E27-6W-Dim-2700K-FR-CT	111x52x52	0.08	6956712627957	118x112x274	0.8	6956712633217
140048596	LED-E-G50-E14-6W-Dim-2700K-FR-CT	111x52x52	0.08	6956712627964	118x112x274	0.8	6956712633224

Dimensional Drawing (mm)



Photometric Data





LED Reflector EcoMax GU10

Features

- Full retrofit of existing halogen GU10 lamps
- No UV/IR radiation
- Significantly longer lifespan than traditional halogen bulbs
- Dimmable and non-dimmable versions available
- See appendix 1 for dimmer compatibility list

Benefits

- No UV/IR radiation, reducing risk of damaging goods
- Significantly less heat production than halogen, avoiding discolouration and risk of damaging goods
- Up to 87% lower energy consumption than halogen
- Reduced maintenance costs

Application

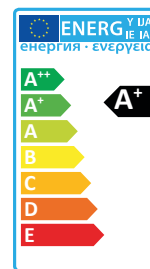
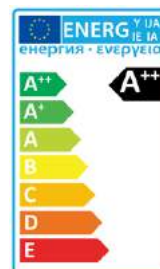


Specifications

Item Code	Item Description	Voltage (V)	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Life-span (L70B50)	Weight (g/pc)	Energy level	EAN1
140044674	LED E GU10 2W 2700K 36D CT	220-240	Halogen 20W	2	150	75	0.02A	≥80	2700	15,000	35	A++	6956712667021
140044675	LED E GU10 5W 2700K 36D CT	220-240	Halogen 35W	5	350	70	0.04A	≥80	2700	15,000	47	A+	6956712667038
140044676	LED E GU10 6.5W 2700K 36D CT	220-240	Halogen 50W	6.5	450	69	0.05A	≥80	2700	15,000	49	A+	6956712667045
140048605	LED-E-GU10-5.5W-2700K-36D-DIM-CT	220-240	Halogen 35W	5.5	350	66	0.03A	≥80	2700	15,000	56	A+	6956712628060
140048606	LED-E-GU10-6.5W-2700K-36D-DIM-CT	220-240	Halogen 50W	6.5	450	69	0.03A	≥80	2700	15,000	57	A+	6956712628084

Technical Specifications

AC / DC	AC
Frequency (Hz)	50 / 60
On / Off cycles	50,000
Beam angle (°)	36
Dimmable	No / Yes (Triac)
Operating temperature	-20 ~ +40°C
Lamp colour of finish	White
CBCP (cd)	350 / 800 / 1100
Application temperature	25°C
Storage temperature	-25 ~ +50°C

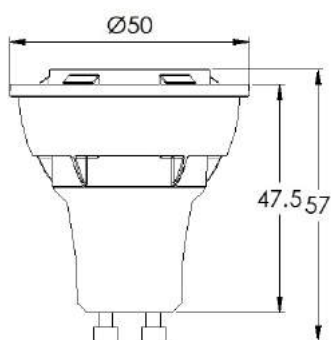


Packaging information

Item		Single box (1pc/box)			Outer box (10pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140044674	LED E GU10 2W 2700K 36D CT	64x52x52	0.04	6956712667021	74x112x270	0.6	6956712631275
140044675	LED E GU10 5W 2700K 36D CT	64x52x52	0.06	6956712667038	74x112x270	0.7	6956712631282
140044676	LED E GU10 6.5W 2700K 36D CT	64x52x52	0.06	6956712667045	74x112x270	0.7	6956712631299
140048605	LED-E-GU10-5.5W-2700K-36D-DIM-CT	64x52x52	0.07	6956712628053	74x112x270	0.8	6956712631216
140048606	LED-E-GU10-6.5W-2700K-36D-DIM-CT	64x52x52	0.07	6956712628060	74x112x270	0.8	6956712631223

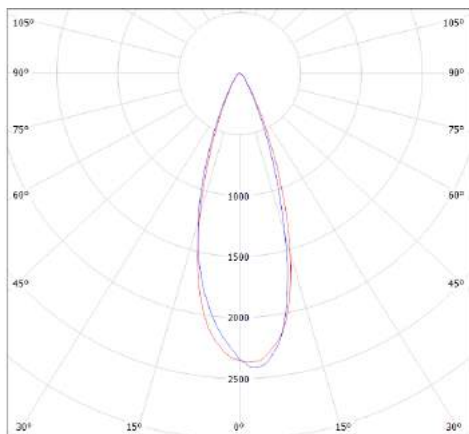
Dimensional Drawing (mm)

LED E GU10

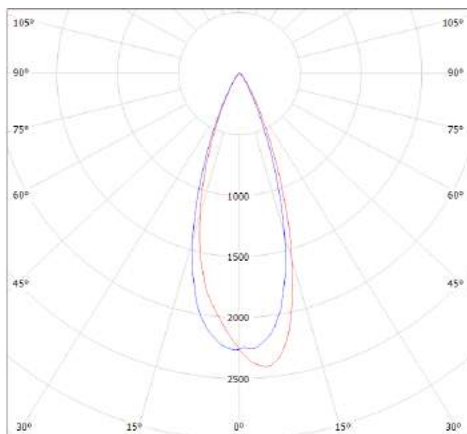


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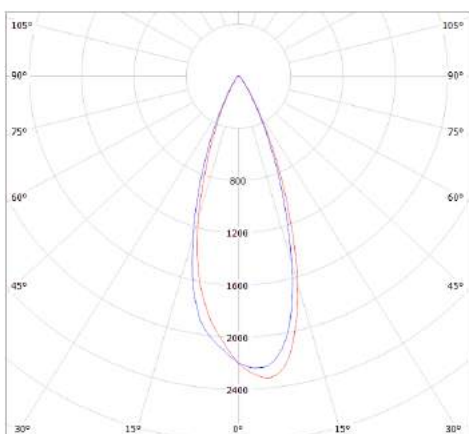
LED E GU10 2W



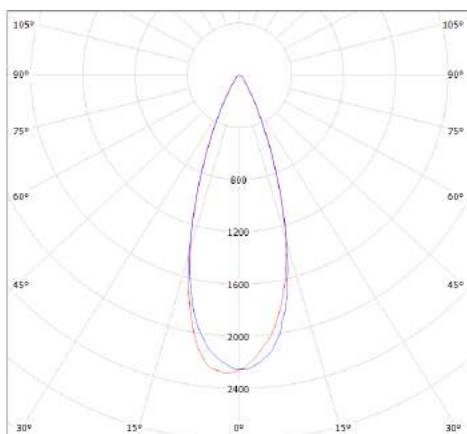
LED E GU10 5W



LED E GU10 5.5W



LED E GU10 6.5W





LED Reflector EcoMax R50

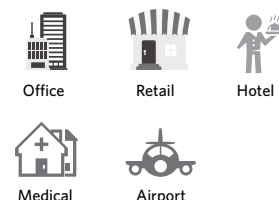
Features

- Full retrofit of existing halogen R50 lamps
- No UV/IR radiation
- Significantly longer lifespan than traditional halogen bulbs

Benefits

- No UV/IR radiation, reducing risk of damaging goods
- Significantly less heat production than halogen, avoiding discolouration and risk of damaging goods
- Up to 87% lower energy consumption than halogen
- Reduced maintenance costs

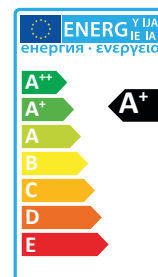
Application



Specifications

Item Code	Item Description	Voltage (V)	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Weight (g/pc)	Energy level	EAN1
140048609	LED-E-R50-3.2W-2700K-36D-CT	220-240V	Halogen 40W	3.2	200	68	0.02A	≥80	2700	15,000	40	A+	6956712628091

Technical Specifications	
AC / DC	AC
Frequency (Hz)	50 / 60
On / Off cycles	50,000
Beam angle (°)	36
Dimmable	No
Operating temperature	-20 ~ +45°C
Lamp colour of finish	White
CBCP (cd)	350 / 800 / 1100
Application temperature	25°C
Storage temperature	-25 ~ +50°C

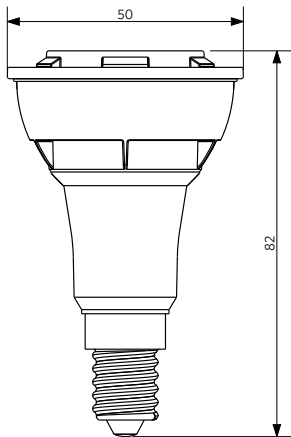


Packaging information

Item		Single box (1pc/box)			Outer box (10pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140048609	LED-E-R50-3.2W-2700K-36D-CT	91x52x52	0.05	6956712628091	101x112x72	0.55	6956712633354

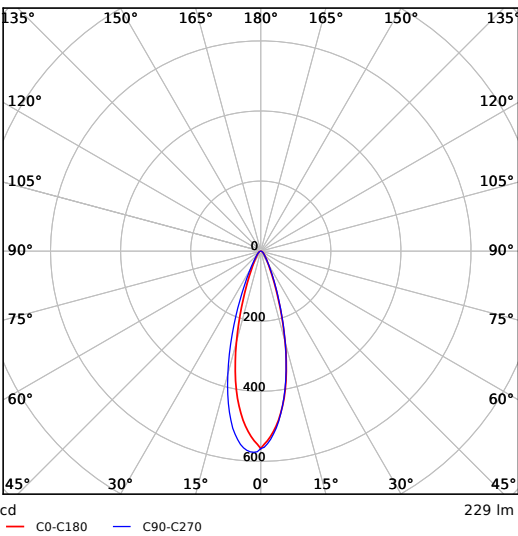
Dimensional Drawing (mm)

LED-E-R50



Photometric Data

LED-E-R50





Universal T8 LED tube

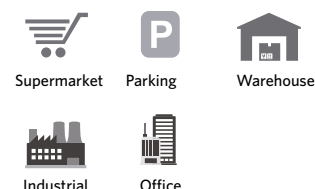
Features

- High efficacy of up to 125 lm/W
- Durable life span up to 40,000 hours
- Safety end cap to ensure complete safe installation
- Unique patented mercury free 'oneTLed' technology
- Shortest cap

Benefits

- One fit all, compatible with all electronic & magnetic ballasts
- Hassle free installation
- True plug & play LED tube solution
- Energy saving up to 65%

Application



For EM installations ALWAYS replace the starter with the starter which is delivered with the Universal LED T8 tube. Tubes are NOT suitable for serial installation.

Specifications

Item Code	Item Description	Voltage (V)	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Weight (g)	Energy level
140056692	LED P T8 Uni 1200 16.5W 100pct 3000K CT	220-240	100% FLS 36W	16.5W	2,000	125	EM:0.08A HF:0.35A	>80	3000K	40,000	329	A+
140056693	LED P T8 Uni 1200 16.5W 100pct 4000K CT	220-240	100% FLS 36W	16.5W	2,000	125	EM:0.08A HF:0.35A	>80	4000K	40,000	329	A+
140056694	LED P T8 Uni 1200 16.5W 100pct 6500K CT	220-240	100% FLS 36W	16.5W	2,000	125	EM:0.08A HF:0.35A	>80	6500K	40,000	329	A+
140056695	LED P T8 Uni 1500 24.5W 100pct 3000K CT	220-240	100% FLS 58W	24.5W	3,000	122	EM:0.11A HF:0.51A	>80	3000K	40,000	483	A+
140056696	LED P T8 Uni 1500 24.5W 100pct 4000K CT	220-240	100% FLS 58W	24.5W	3,000	122	EM:0.11A HF:0.51A	>80	4000K	40,000	483	A+
140056697	LED P T8 Uni 1500 24.5W 100pct 6500K CT	220-240	100% FLS 58W	24.5W	3,000	122	EM:0.11A HF:0.51A	>80	6500K	40,000	483	A+

Use on dimmable ballast might effect lifetime of the lamp and/or ballast. The light output can differ depending on the luminaire and/or driver used.

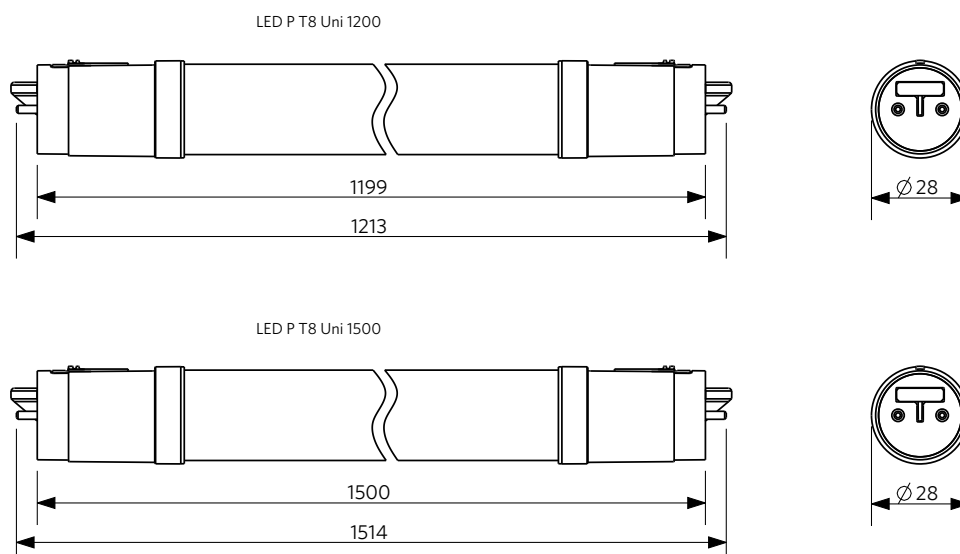
Technical Specifications	
Frequency (Hz)	50 / 60
On / Off cycles	50,000
Beam angle (°)	160
Fitting	G13
Dimmable	No
Operating temperature	-20 ~ +40°C
Lamp colour of finish	White
Application temperature	25°C
Storage temperature	-25 ~ +50°C



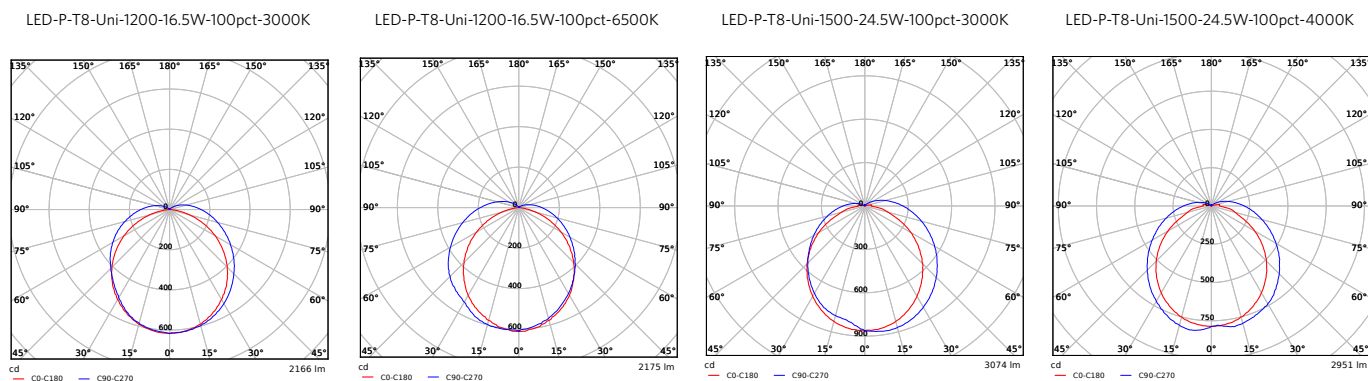
Packaging information

Item		Single box (1pc/box)			Outer box (25pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140056692	LED P T8 Uni 1200 16.5W 100pct 3000K CT	29x29x1280	0.38	6956712690012	160x165x1290	11.0	6956712693327
140056693	LED P T8 Uni 1200 16.5W 100pct 4000K CT	29x29x1280	0.38	6956712690029	160x165x1290	11.0	6956712693334
140056694	LED P T8 Uni 1200 16.5W 100pct 6500K CT	29x29x1280	0.38	6956712690036	160x165x1290	11.0	6956712693341
140056695	LED P T8 Uni 1500 24.5W 100pct 3000K CT	29x29x1580	0.48	6956712690043	160x165x1590	15.0	6956712693358
140056696	LED P T8 Uni 1500 24.5W 100pct 4000K CT	29x29x1580	0.48	6956712690050	160x165x1590	15.0	6956712693365
140056697	LED P T8 Uni 1500 24.5W 100pct 6500K CT	29x29x1580	0.48	6956712690067	160x165x1590	15.0	6956712693372

Dimensional Drawing (mm)



Photometric Data





LED T8 Tube

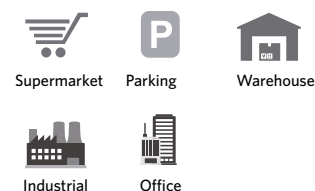
Features

- Single-ended full IEC compliant with patented driver
- High efficacy up to 110 lm/W
- Retrofit existing T8 lamps with EM ballast installations ONLY!

Benefits

- Up to 62% lower energy consumption than fluorescent
- Long lifespan reduces maintenance cost
- No warm-up time, 100% light instantly when switched on
- Reduced maintenance costs

Application



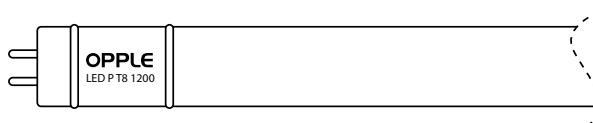
SAFE AND EASY INSTALLATION: ONLY USE WITH LED DUMMY STARTER
Tubes are NOT suitable for serial installation.

Specifications

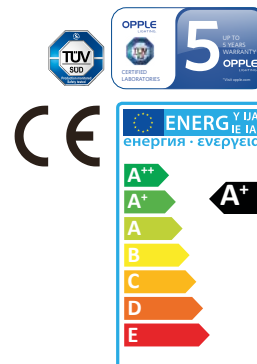
Item Code	Item Description	Voltage (V)	Equivalent to (W)	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Weight (gr/pc)	Energy level	EAN1
140051060	LED P T8 glass 600 9W 100pct 3000K CT	220-240	100% FLS 18W	9	1000	110	0.04A	≥80	3000	40,000	121	A+	6956712640451
140051061	LED P T8 glass 600 9W 100pct 4000K CT	220-240	100% FLS 18W	9	1000	110	0.04A	≥80	4000	40,000	121	A+	6956712640468
140052026	LED P T8 glass 600 9W 100pct 6500K CT	220-240	100% FLS 18W	9	1000	110	0.04A	≥80	6500	40,000	121	A+	6956712644800
140043981	LED P T8 1200 18W 100pct 3000K CT	220-240	100% FLS 36W	18	2000	111	0.09A	≥80	3000	40,000	260	A+	6956712666130
140043982	LED P T8 1200 18W 100pct 4000K CT	220-240	100% FLS 36W	18	2000	111	0.09A	≥80	4000	40,000	260	A+	6956712666147
140051616	LED P T8 1200 18W 100pct 6500K CT	220-240	100% FLS 36W	18	2000	111	0.09A	≥80	6500	40,000	260	A+	6956712643087
140043985	LED P T8 1500 27W 100pct 3000K CT	220-240	100% FLS 58W	27	3000	110	0.13A	≥80	3000	40,000	436	A+	6956712666178
140043986	LED P T8 1500 27W 100pct 4000K CT	220-240	100% FLS 58W	27	3000	110	0.13A	≥80	4000	40,000	436	A+	6956712666185
140051617	LED P T8 1500 27W 100pct 6500K CT	220-240	100% FLS 58W	27	3000	110	0.13A	≥80	6500	40,000	436	A+	6956712643094

Technical Specifications

AC / DC	AC
Frequency (Hz)	50 / 60
On / Off cycles	50,000
Beam angle (°)	160
Fitting	G13
Dimmable	No
Operating temperature	-20 ~ +60°C
Lamp colour of finish	White
Application temperature	25°C
Storage temperature	-25 ~ +65°C



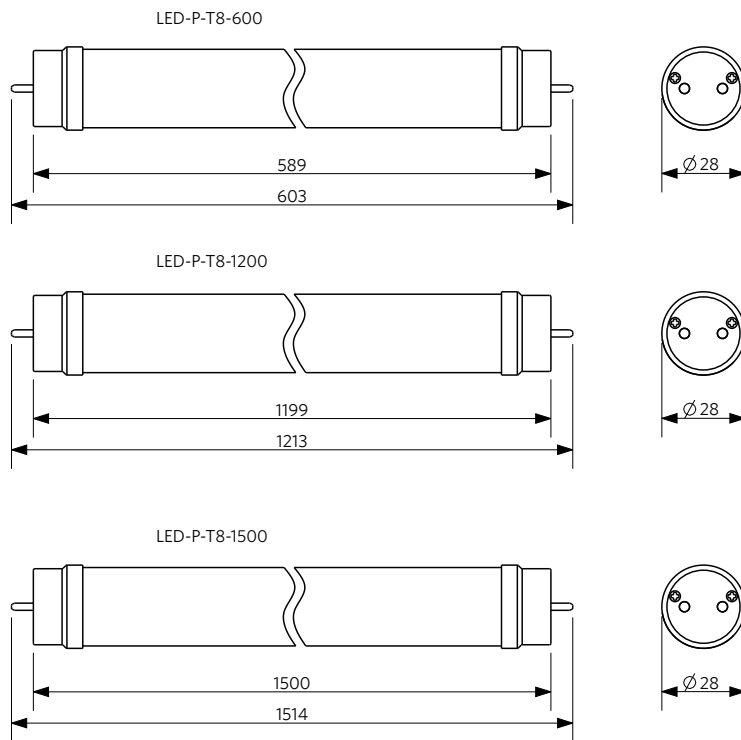
Single-ended connection



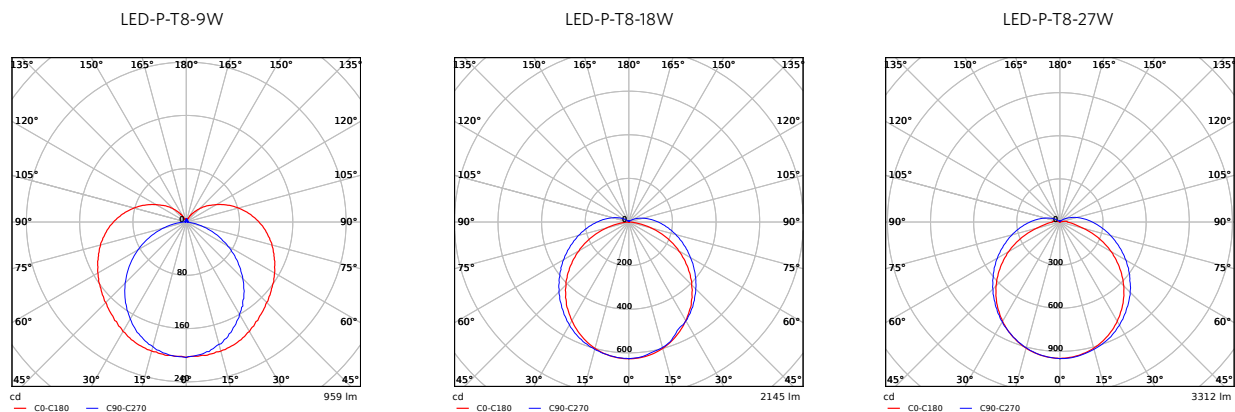
Packaging information

Item		Single box (1pc/box)			Outer box (9pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140051060	LED P T8 glass 600 9W 100pct 3000K CT	28x28x700	0.18	6956712640451	170x165x755	2.2	6956712644022
140051061	LED P T8 glass 600 9W 100pct 4000K CT	28x28x700	0.18	6956712640468	170x165x755	2.2	6956712644039
140052026	LED P T8 glass 600 9W 100pct 6500K CT	28x28x700	0.18	6956712644800	170x165x755	2.2	6956712647801
Item		Single box (1pc/box)			Outer box (25pcs/box)		
140043981	LED P T8 1200 18W 100pct 3000K CT	30x30x1270	0.32	6956712666130	170x170x1280	8.8	6956712631398
140043982	LED P T8 1200 18W 100pct 4000K CT	30x30x1270	0.32	6956712666147	170x170x1280	8.8	6956712631404
140051616	LED P T8 1200 18W 100pct 6500K CT	30x30x1270	0.32	695671264307	170x170x1280	8.8	6956712645142
140043985	LED P T8 1500 27W 100pct 3000K CT	30x30x1570	0.48	6956712666178	170x170x1580	14.0	6956712631435
140043986	LED P T8 1500 27W 100pct 4000K CT	30x30x1570	0.48	6956712666185	170x170x1580	14.0	6956712631442
140051617	LED P T8 1500 27W 100pct 6500K CT	30x30x1570	0.48	6956712643094	170x170x1580	14.0	6956712645159

Dimensional Drawing (mm)



Photometric Data





LED Module Clio

Features

- Extremely flat construction: 25 mm only (16W), 28mm (36W)
- Including magnets and connection box
- Driver integrated on PCB board
- High efficacy up to 100 lm/W (16W), 83 lm/W (36W)
- Suitable for all metal ceiling plates
Ø ≥250mm (16W), Ø ≥550mm (36W)

Benefits

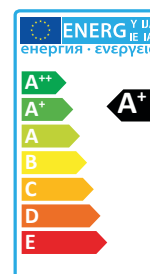
- Fits well in slim ceiling luminaires
- Easy and flexible installation
- Shadow free and homogeneous light diffusion
- High efficiency

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L80B50)	Energy level	EAN1
140050766	LED E C module 16W 2700K Clio CT	16	1400	88	0.12A	≥80	2700	20,000	A+	6956321869953
140054629	LED E C module 16W 4000K Clio CT	16	1600	100	0.12A	≥80	4000	20,000	A+	6956321878221
140057237	LED E C module 36W 2700K Clio CT	36	3000	83	0.17A	≥80	2700	20,000	A+	6956712693150
140057238	LED E C module 36W 4000K Clio CT	36	3000	83	0.17A	≥80	4000	20,000	A+	6956712693167

Technical Specifications

AC / DC	AC
Voltage (V)	220-240
Frequency (Hz)	50/60
On / off cycles	20,000
Beam angle (°)	150
Dimmable	No
IP	20
Protection class	II
Integrated driver (Yes/No)	Yes
Glow wire test (°C)	650°C



Packaging information

Item		Single box (1pc/box)			Outer box (10pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140050766	LED E C module 16W 2700K Clio CT	162x42x162	0.2	6956321869953	180x175x440	2.1	6956321872977
140054629	LED E C module 16W 4000K Clio CT	162x42x162	0.2	6956321878221	185x248x338	2.6	6956321878238
140057237	LED E C module 36W 2700K Clio CT	324x35x324	0,7	6956712693150	380x335x345	6.9	6956712694218
140057238	LED E C module 36W 4000K Clio CT	324x35x324	0,7	6956712693167	380x335x345	6.9	6956712694225

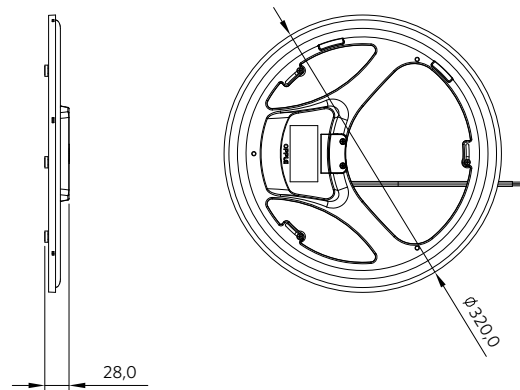
Dimensional Drawing (mm)

LED E C module 16W



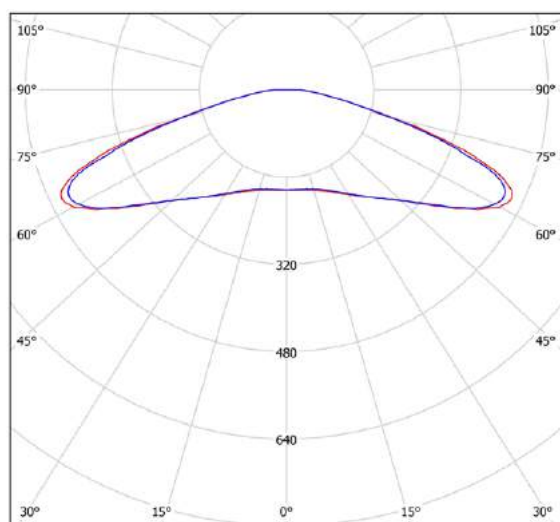
A: 160mm
B: 160mm
C: 25mm

LED E C module 36W

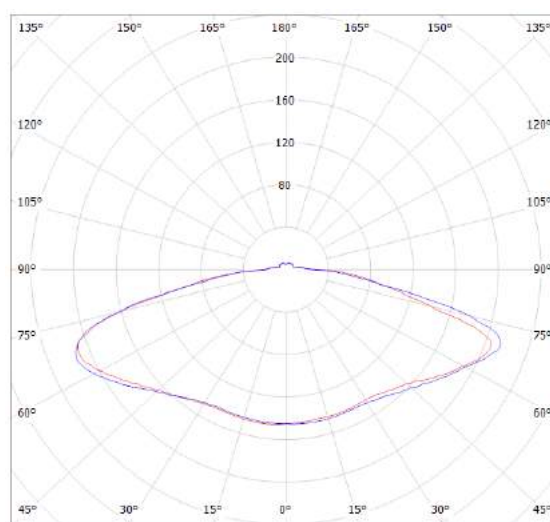


Photometric Data

LED E C module 16W



LED E C module 36W





LED Ceiling Light Apollo

Features

- New light sources with higher efficacy
- Also available with IP44 protection degree
- Choice of warm or cool white light
- Easy installation on wall or ceiling

Benefits

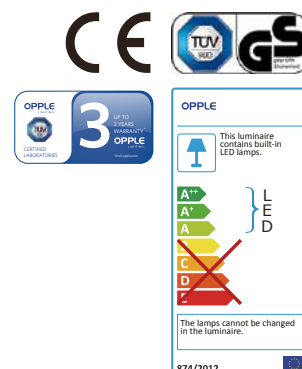
- Energy saving up to 80% in comparison to a traditional light source
- Uniform, diffused light, creating a pleasant atmosphere
- Long lifetime up to 20,000 hours, no bulb replacement required
- Provides instant light from the first second
- IP44 versions also suitable for bath rooms and comparable applications

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	Energy level	EAN1
140056299	LED HC300 13W II 2700K Apollo CT	13	880	68	0.10A	≥ 80	2700	30,000	20,000	A	6956321881436
140044128	LED HC420 19W 2700K Apollo Mat CT	19	1150	75	0.16A	≥ 80	2700	30,000	20,000	A+	6956321844608
140056300	LED HC300 13W II 2700K Apollo Glossy CT	13	880	68	0.10A	≥ 80	2700	30,000	20,000	A	6956321881443
140044129*	LED HC420 19W 2700K Apollo Glossy CT	19	1150	75	0.16A	≥ 80	2700	30,000	20,000	A+	6956321844776
140056301	LED HC300 13W II 4000K Apollo CT	13	880	68	0.10A	≥ 80	4000	30,000	20,000	A	6956321881450
140056302	LED HC300 13W II 4000K Apollo Glossy CT	13	880	68	0.10A	≥ 80	4000	30,000	20,000	A	
140056290	LED HC420 19W 4000K Apollo CT	19	1150	60	0.16A	≥ 80	4000	30,000	20,000	A	6956321881238
140058075	LED HC350 16W II 01 2700K IP44 Apollo CT	16	1250	78	0.12A	≥ 80	2700	30,000	20,000	A+	6956321889029
140058074	LED HC350 16W II 01 4000K IP44 Apollo CT	16	1350	84	0.12A	≥ 80	4000	30,000	20,000	A+	6956321889012

* Available on request

Technical Specifications			
AC / DC	AC	Integrated driver (Yes/No)	Yes
Voltage (V)	220-240	Operating temperature	-20 ~ +40°C
Frequency (Hz)	50/60	Colour of finish	White
On / off cycles	50,000	Application temperature	+25°C
Beam angle (°)	115	Storage temperature	-25 ~ +50°C
Dimmable	No		
IP	20		
Protection class	I		

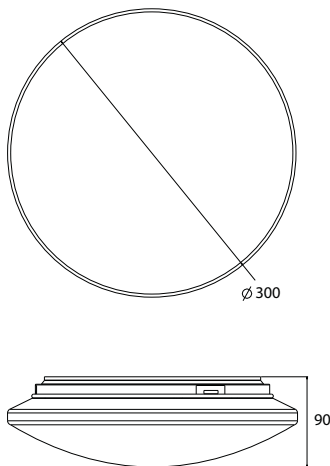


Packaging information

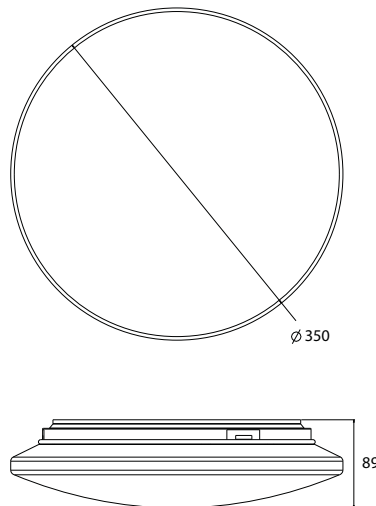
Item		Single box (1pc/box)			Outer box (6pcs/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140056299	LED HC300 13W II 2700K Apollo CT	336x95x336	0.9	6956321881436	348x348x590	6.4	6956321885533
140044128	LED HC420 19W 2700K Apollo CT	447x120x442	1.3	6956321844608	459x452x740	8.8	6956321851248
140056300	LED HC300 13W II 2700K Apollo Glossy CT	336x95x336	0.9	6956321881443	348x348x590	6.4	6956321885540
140044129	LED HC420 19W 2700K Apollo Glossy CT	447x120x442	1.3	6956321844776	459x452x740	12.4	6956321851415
140056301	LED HC300 13W II 4000K Apollo CT	336x95x336	1.0	6956321881450	358x348x590	5.9	6956321885540
140056302	LED HC300 13W II 4000K Apollo Glossy CT	336x95x336	1.0	6956321881467	358x348x590	5.9	6956321851248
140056290	LED HC420 19W 4000K Apollo CT	447x100x442	1.3	6956321881238	459x452x620	10.4	6956321881368
140058075	LED HC350 16W II 01 2700K IP44 Apollo CT	402x90x402	1.19	6956321889029	412x422x566	9	6956321889340
140058074	LED HC350 16W II 01 4000K IP44 Apollo CT	402x90x402	1.19	6956321889012	412x422x566	9	6956321889357

Dimensional Drawing (mm)

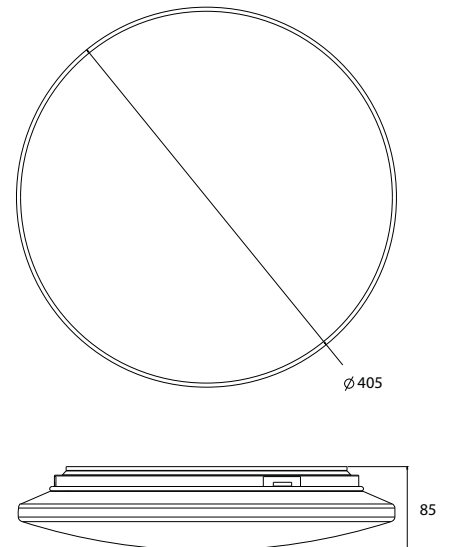
LED HC300 13W Apollo



LED HC350 16W Apollo

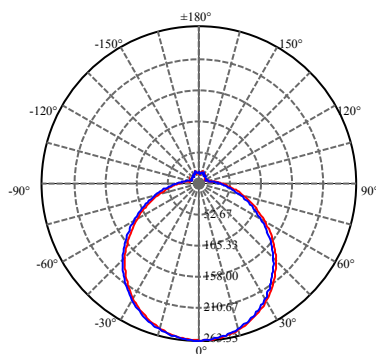


LED HC420 19W Apollo

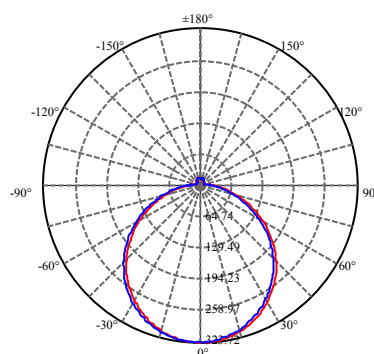


Photometric Data

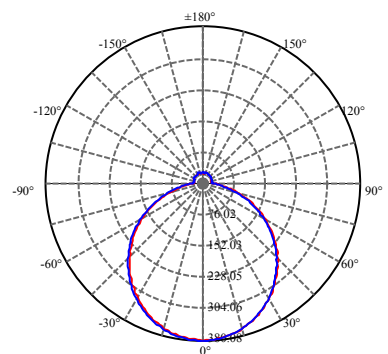
LED HC300 13W Apollo

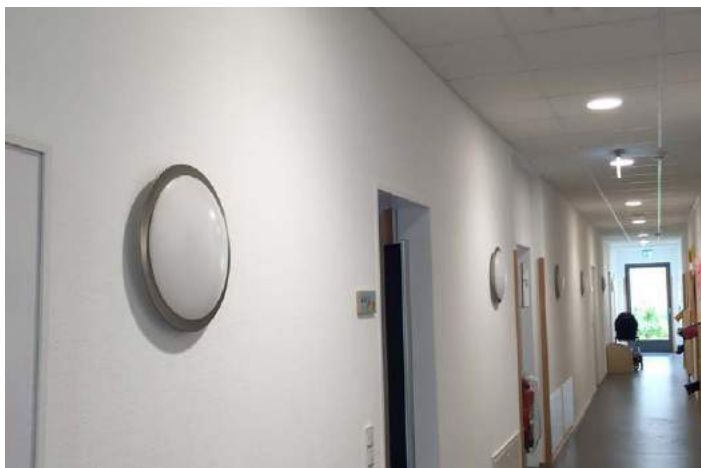


LED HC350 16W Apollo



LED HC420 19W Apollo





LED Ceiling Light Eros

Features

- New light sources with higher efficacy
- Diffuse light without flickering
- Choice of warm or cool white light
- Easy installation

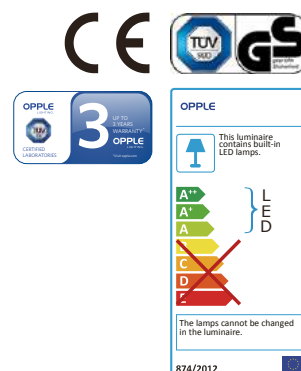
Benefits

- Energy saving up to 80% in comparison to a traditional light source
- Uniform, diffused light, creating a pleasant atmosphere
- Long lifetime up to 20,000 hours, no bulb replacement required
- Provides instant light from the first second

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	Energy level	EAN1
140044136	LED HC260 11W 2700K Eros MW CT	11	650	60	0.09A	≥ 80	2700	30,000	20,000	A	6956321844653
140044135	LED HC260 11W 2700K Eros BS CT	11	650	60	0.09A	≥ 80	2700	30,000	20,000	A	6956321844646
140056303	LED HC350 16W II 2700K Eros BS CT	15	1100	69	0.12A	≥ 80	2700	30,000	20,000	A	6956321881474
140056304	LED HC350 16W II 2700K Eros MW CT	15	1100	69	0.12A	≥ 80	2700	30,000	20,000	A	6956321881481
140056305	LED HC350 16W II 4000K Eros BS CT	16	1350	84	0.12A	≥ 80	4000	30,000	20,000	A	6956321881498

Technical Specifications			
AC / DC	AC	Integrated driver (Yes/No)	Yes
Voltage (V)	220-240	Operating temperature	-20 - +40°C
Frequency (Hz)	50/60	Colour of finish	Matt White (MW), Brushed Steel (BS)
On / off cycles	50,000	Application temperature	+25°C
Beam angle (°)	115	Storage temperature	-20 - +50°C
Dimmable	No		
IP	20		
Protection class	I		

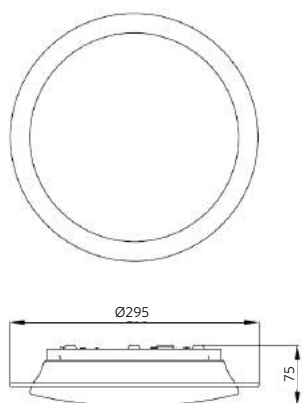


Packaging information

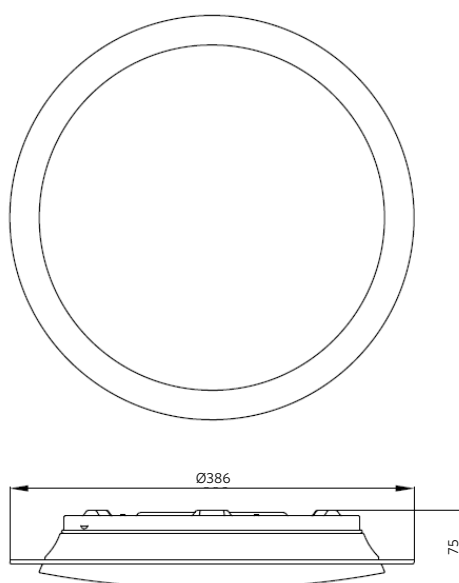
Item		Single box (1pc/box)			Single box (6pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140044136	LED HC260 11W 2700K Eros MW CT	347x90x347	0,9	6956321844653	560x361x367	6,4	6956321851293
140044135	LED HC260 11W 2700K Eros BS CT	347x90x347	0,9	6956321844646	560x361x367	6,4	6956321851286
140056303	LED HC350 16W II 2700K Eros BS CT	427x90x427	1,6	6956321881474	447x442x560	9,8	6956321885564
140056304	LED HC350 16W II 2700K Eros BMW CT	427x90x427	1,6	6956321881481	447x442x560	9,8	6956321885571
140056305	LED HC350 16W II 4000K Eros BS CT	427x90x427	1,6	6956321881498	560x442x447	9,8	6956321885588

Dimensional Drawing (mm)

LED HC260 11W Eros

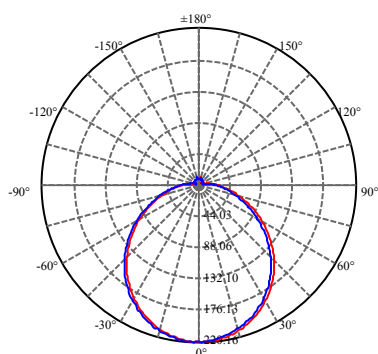


LED HC350 16W Eros

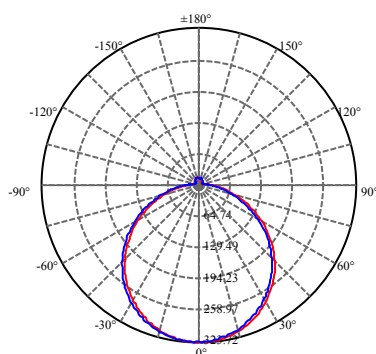


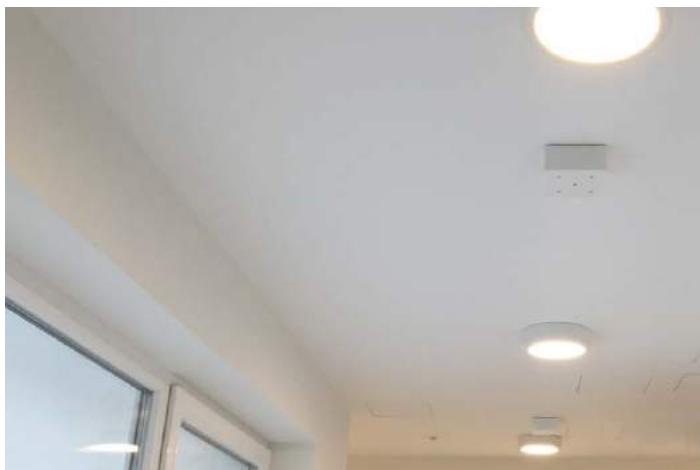
Photometric Data

LED HC260 11W Eros



LED HC350 16W Eros





LED Ceiling Light Doris

Features

- High efficient LED light source
- Warm white light
- 2 in 1, ceiling light & recessed downlight
- Easy installation

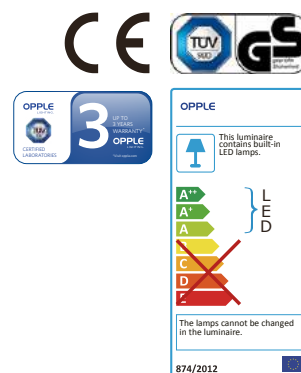
Benefits

- Energy saving up to 80% in comparison to a traditional light source
- Uniform, diffused light, creating a pleasant atmosphere
- Long lifetime up to 20,000 hours, no bulb replacement required
- Provides instant light from the first second

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	Energy level	EAN1
140044147	LED HC140 8W 2700K Doris MW CT	8	600	75	0.06A	≥ 80	2700	30,000	20,000	A	6956321844998
140044149	LED HC140 8W 2700K Doris BS CT	8	600	75	0.06A	≥ 80	2700	30,000	20,000	A	6956321845001
140044151	LED HC230 14W 2700K Doris MW CT	14	1200	86	0.12A	≥ 80	2700	30,000	20,000	A	6956321845018
140044153	LED HC230 14W 2700K Doris BS CT	14	1200	86	0.12A	≥ 80	2700	30,000	20,000	A	6956321845025
140044152	LED HC230 14W 4000K Doris MW CT	14	1200	86	0.12A	≥ 80	4000	30,000	20,000	A	6956321845056

Technical Specifications			
AC / DC	AC	Integrated driver (Yes/No)	No
Voltage (V)	220-240	Operating temperature	-20 - +40°C
Frequency (Hz)	50/60	Colour of finish	Matt White (MW), Brushed Steel (BS)
On / off cycles	50,000	Application temperature	+25°C
Beam angle (°)	115°	Storage temperature	-20 - +50°C
Dimmable	No		
IP	20		
Protection class	II		



Packaging information

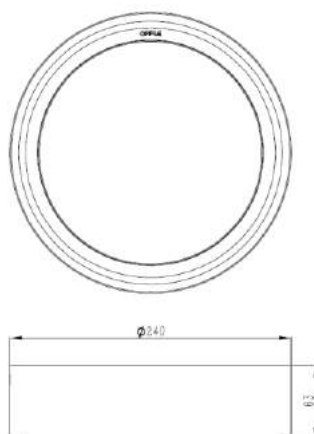
Item		Single box (1pc/box)			Outer box (8pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140044147	LED HC140 8W 2700K Doris MW CT	180x105x180	0.5	6956321844998	200x380x445	5.0	6956321851637
140044147	LED HC140 8W 2700K Doris BS CT	180x105x180	0.5	6956321845001	200x380x445	5.0	6956321851637
140044151	LED HC230 14W 2700K Doris MW CT	270x105x270	1.0	6956321845018	560x230x560	9.0	6956321851651
140044153	LED HC230 14W 2700K Doris BS CT	270x105x270	1.0	6956321845025	560x230x560	9.0	6956321851668

Dimensional Drawing (mm)

LED HC140 8W Doris



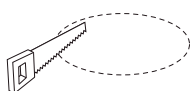
LED HC230 14W Doris



Installation Opening Drawing (mm)

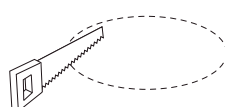
LED HC140 8W Doris

Ø125



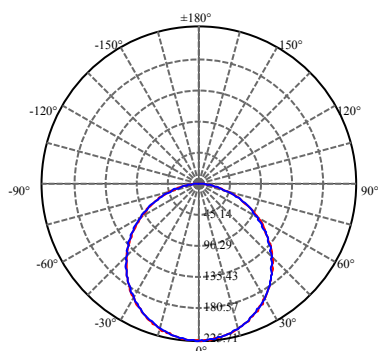
LED HC230 14W Doris

Ø215

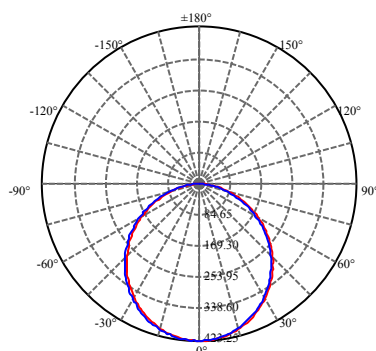


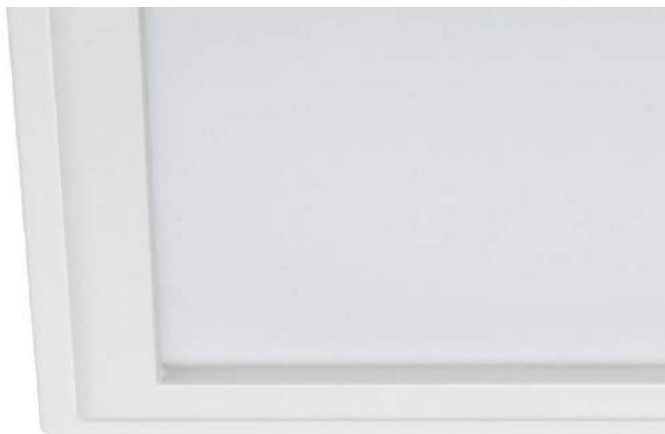
Photometric Data

LED HC140 8W Doris



LED HC230 14W Doris





LED Ceiling Light Pallas

Features

- High efficient LED light source
- Warm white light
- 2 in 1, ceiling light & recessed spot
- Easy installation

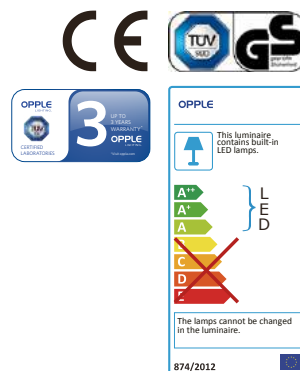
Benefits

- Energy saving up to 80% in comparison to a traditional light source
- Uniform, diffused light, creating a pleasant atmosphere
- Long lifetime up to 20,000 hours, no bulb replacement required
- Provides instant light from the first second

Specifications

Item Code	Item Description	Power (W)	Lumen	Efficacy (lm/W)	Input Current	CRI	CCT (K)	Lifespan (L70B50)	Lifespan (L80B50)	Energy level	EAN1
140044155	LED HC1818 11W 2700K Pallas MW CT	11	900	82	0.09A	≥ 80	2700	30,000	20,000	A	6956321845070
140044157	LED HC1818 11W 2700K Pallas BS CT	11	900	82	0.09A	≥ 80	2700	30,000	20,000	A	6956321845087
140044159	LED HC2323 12W 2700K Pallas MW CT	12	1050	88	0.10A	≥ 80	2700	30,000	20,000	A	6956321845094
140044161	LED HC2323 12W 2700K Pallas BS CT	12	1050	88	0.10A	≥ 80	2700	30,000	20,000	A	6956321845100
140044160	LED HC2323 12W 4000K Pallas MW CT	12	1050	88	0.10A	≥ 80	4000	30,000	20,000	A	6956321845131

Technical Specifications			
AC / DC	AC	Integrated driver (Yes/No)	Yes
Voltage (V)	220-240	Operating temperature	-20 - +40°C
Frequency (Hz)	50/60	Colour of finish	Matt White (MW), Brushed Steel (BS)
On / off cycles	50,000	Application temperature	+25°C
Beam angle (°)	115°	Storage temperature	-20 - +50°C
Dimmable	No		
IP	20		
Protection class	II		

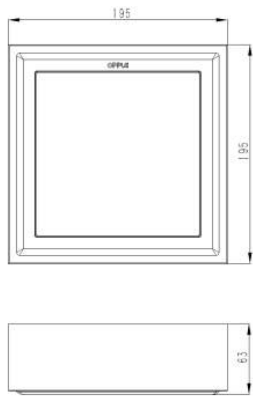


Packaging information

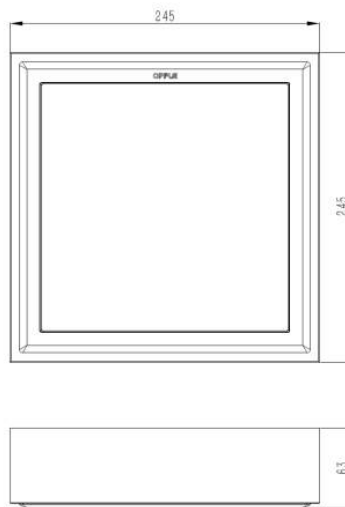
Item		Single box (1pc/box)			Single box (8pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140044155	LED HC1818 11W 2700K Pallas MW CT	267x105x220	0.8	6956321845070	460x230x555	7.4	6956321851712
140044157	LED HC1818 11W 2700K Pallas BS CT	267x105x220	0.8	6956321845087	460x230x555	7.4	6956321851729
140044159	LED HC2323 12W 2700K Pallas MW CT	320x105x270	1.1	6956321845094	560x230x560	9.8	6956321851736
140044161	LED HC2323 12W 2700K Pallas BS CT	320x105x270	1.1	6956321845100	560x230x560	9.8	6956321851743

Dimensional Drawing (mm)

LED HC1818 11W Pallas



LED HC2323 12W Pallas



Installation Opening Drawing (mm)

LED HC1818 11W Pallas

170x170



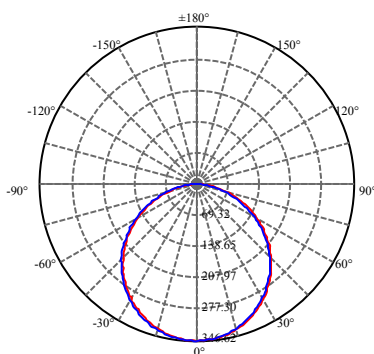
LED HC2323 12W Pallas

220x220

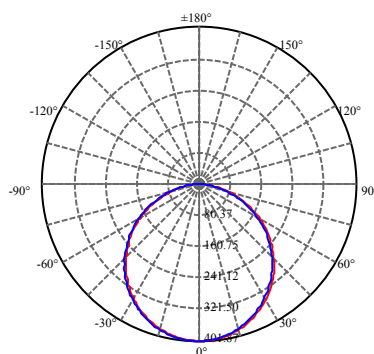


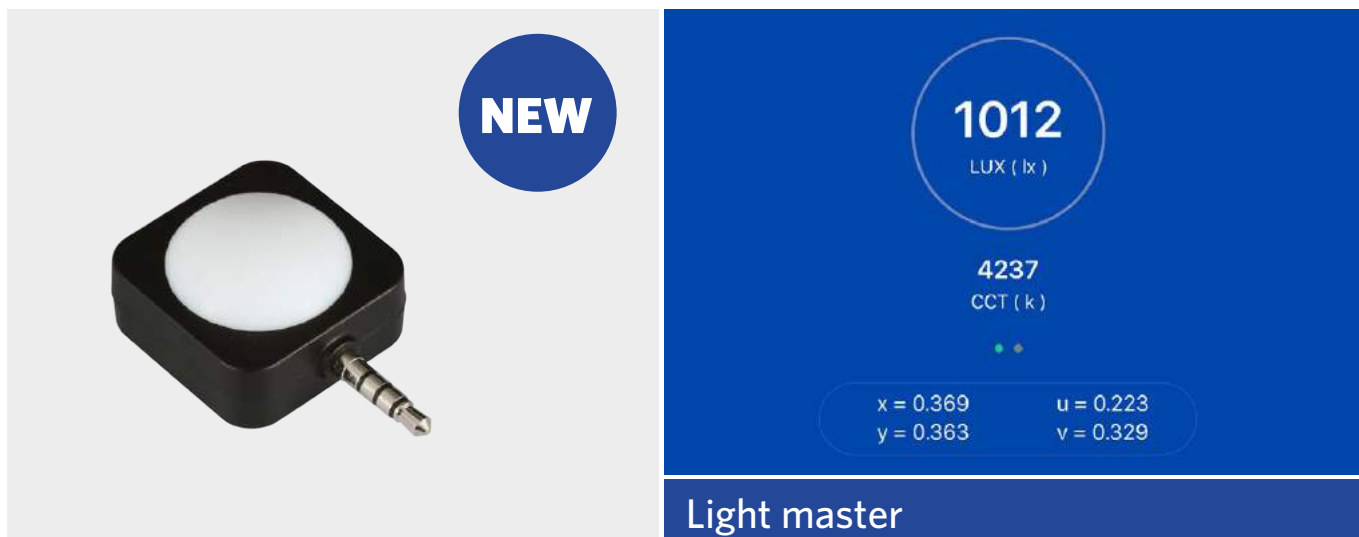
Photometric Data

LED HC1818 11W Pallas



LED HC2323 12W Pallas





Benefits

- Simple solution for measurement of light level (lux)
- Compatible with iOS and Google Playstore
- Rechargeable with micro USB



Google



iOS

Specifications

Item Code	Item Description	EAN1
140055367	Light-master	6956321883553



Technical Specifications	
Battery capacity	80 mAh
Rechargeable	Yes - micro USB
Lux range	0-10.000 lux
Color temperature range	2000K-25000K
Resolution response	1 lux/1K
Accuracy	~ 5% deviation
Operating temperature range	-10 ~ 40°C

Packaging information

Item		Single box (1pc/box)			Outer box (100pc/box)		
Item Code	Item Description	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN1	Dimensions (mm) (HxWxL)	Gross Weight (kg)	EAN2
140055367	Light-master-blister-ETO	105x85x28	0.024	6956321883553	510x225x200	2.94	6956321883560









Notes

[illegible]

Dimming compatibility Level

OPPLE portfolio




	Compatible
	Semi-compatible
	Incompatible
	Untested

Dimmer brand	Model	Type	Max. load	Bulbs			Mini globe		Candle		GU10	
				A60 350lm	A60 470lm	A60 806lm	4W G50 250lm	6W G50 420lm	4W Candle 250lm	6W Candle 420lm	5.5W 350lm	6.5W 450lm
												
Berker	286610	RL	500W	1 - 12	1 - 8	1 - 6						
Berker	2819	R	400W	1 - 9		1 - 5						
Busch-Jaeger	2247U	RL	500W	1 - 12	1 - 8	1 - 6	1 - 16	1 - 11	1 - 16	1 - 11	1 - 11	1 - 9
Busch-Jaeger	2250U	R	600W	1 - 13	1 - 10	1 - 7		1 - 12		1 - 12	1 - 15	1 - 11
Busch-Jaeger	6513 U-102	RC	40-420W	1 - 9	1 - 7	1 - 5	2 - 13	1 - 9	2 - 13	1 - 9	1 - 10	1 - 8
Busch-Jaeger	6523U	R,L	100W									
Druck	8095	RL	400W	1 - 9	1 - 7	1 - 5						1 - 9
Gira	1176 00/I04	R,L,C	420W									
Gira	2262 00/I01	R,L	500W								1 - 12	1 - 9
Jung	266 GDE	R	60-600W	2 - 13	2 - 10	1 - 7					1 - 15	
Jung	225	RL	100W									
Jung	1271	R	100W				1 - 12	1 - 8	1 - 12	1 - 8	1 - 7	1 - 6
Niko	310-01901	R,L,C,CFLi	325W				1 - 10		1 - 10		1 - 8	1 - 6
Sencys	8033	RL	400W	1 - 9	1 - 7	1 - 5						
Wintop	13212	L	300W	2 - 6	4 - 5	1 - 3		3 - 6		3 - 6		1 - 9
Wintop	13512	RC	500W	1 - 12	1 - 8	1 - 6	3 - 15	1 - 10	3 - 15	1 - 10	1 - 12	

Please note:

For example, a Berker 2886610 dimmer can control a minimum of 1 and a maximum of 12 Opple A60 350lm bulbs.

Dimmer brand	Model	Type	Max. load	Filament					
				A60 470lm	A60 806lm	ST64 470lm	ST64 806lm	ST64 400lm	ST64 700lm
									
Berker	286610	RL	500W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
Berker	2819	R	400W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
Berker	283010	R	400W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
Busch-Jaeger	2247U	RL	500W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
Busch-Jaeger	2250U	R	600W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
Busch-Jaeger	6513 U-102	RC	420W		1 - 10		1 - 10		1 - 10
Busch-Jaeger	6523U	R,L	100W						
Busch-Jaeger	6523 U-102	R,C	250W						
Busch-Jaeger	6524U	R,L,C	100W	1 - 10	1 - 9	1 - 10	1 - 9	1 - 10	1 - 9
Druck	8095	RL	400W						
GIRA	1176 00/104	R,L,C	420W	1 - 10	1 - 9	1 - 10	1 - 9	1 - 10	1 - 9
GIRA	2262 00/101	R,L	500W						
GIRA	030200	R	600W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
GIRA	030700	R,C	525W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
JUNG	266 GDE	R	60-600W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
JUNG	225	RL	100W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
JUNG	1271	R	100W						
NIKO	310-01901	R,L,C,CFLi	325W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
Sencys	8033	RL	400W						
Wintop	13212	L	300W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10
Wintop	13512	RC	500W	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10	1 - 10

Brand	Type	Rated power	Spot RA HQ Dim		Downlight HZ Dim				Spot Ava	
			7.5W	9.5W	7W	10W	13W	16W	7W	9W
										
ABB	2250 AJ-513	60 - 600W	2-12	2-11	1-6	1-10	6-7	1-6	2-6	2-6
Berker	286610	500W	1-12	1-5	6-8	1-10	4-7	1-6	2-6	1-4
Berker	2819	400W	1-12	1-10	1-12	1-10	2-7	2-7	1-4	1-6
Busch-Jaeger	6523U	2 ... 100W	1-12	1-11			1-7	1-6	1-4	1-8
Busch-Jaeger	6513 U-102	40 - 420W	1-12	1-9	5-10	1-10	1-7	1-6		1-8
Busch-Jaeger	2247U	20 - 500W	1-12	1-11	1-4	1-10		1-6	1-6	1-6
Busch-Jaeger	6524U	LED 2 - 100 W	3-12	2-5			2-5	2-5		
Busch-Jaeger	2250U	600W	2-12	2-11	1-6	1-10	6-7	1-6	2-6	2-6
Eltako	EUD61NPN-UC	400W	1-12	1-9	1-12	1-10	6-7	1-6		
GIRA	UNIV 420WV	50 VA - 420 VA	1-12	1-9						
GIRA	HAL/LED 500VA	20 VA - 500 VA	1-12		4-6	1-10		1-6	1-6	1-6
JUNG	225 NV DE	LED 3- 100 W	1-12	1-3	1-6	1-10		1-6	1-6	1-6
JUNG	266 G DE	500W	1-3	1-3	1-2	1-10	4-7	1-6	1-6	1-4
Klemko	891040	315W	1-7	1-5	1-4	1-6	1-5	1-4	1-6	1-6
Merten	MEG5134-0000	400W	1-12	1-10	1-12	1-10	1-7	1-5	1-8	1-8
NIKO	310-01901	LED 5 - 200W	1-12	1-13	1-12	1-10	1-7	1-6		
PEHA	435 HAB	400W	1-12	1-10	1-12	1-10	1-7	1-6	1-8	1-2
PEHA	431HAN LED	LED 120W	1-12	1-7	1-6	1-10	1-2	1-8	1-6	1-6
TRUMP	DIMMAX 420SL	400W	1-12	1-10	1-12	1-10	1-7	1-6		

Connection specifications

Tables below present the maximum number of luminaires that can be connected on one B16 automate.

Category	Series	Types	DC Input Voltage	Max. units per B16	Category	Series	Types	DC Input Voltage	Max. units per B16
LED Panel	Grille	36W	190 - 210 V DC	37	LED Highbay	Performer	160W / 160W DALI	190 - 210 V DC	11
LED Panel	Grille	21W	190 - 210 V DC	63	LED Flood	EcoMax	10W	N.A.	62
LED Panel	Grille	11W	190 - 210 V DC	116	LED Flood	EcoMax	20W	N.A.	62
LED Panel	Grille	36W DALI	186 - 250 V DC	24	LED Flood	EcoMax	30W	310 V DC	44
LED Panel	Grille	21W DALI	186 - 250 V DC	30	LED Flood	EcoMax	50W	310 V DC	27
LED Panel	Grille	13W DALI	186 - 250 V DC	30	LED Flood	EcoMax	70W	310 V DC	19
LED Panel	Slim Performer	34W / 34W DALI	200 - 300 V DC	25	LED Wall-mounted	EcoMax	13W	N.A.	70
LED Panel	Slim EcoMax	37W	200 - 300 V DC	59	LED Wall-mounted	EcoMax	20W	280 - 370 V DC	43
LED Panel	Performer	40W / 40W DALI	190 - 210 V DC	30	LED Waterproof	EcoMax L650	10W	130 - 200 V DC	126
LED Panel	Performer	50W / 50W DALI	190 - 210 V DC	30	LED Waterproof	EcoMax L650	23W	190 - 220 V DC	55
LED Panel Suspended	Zenith	75W DALI	190 - 210 V DC	18	LED Waterproof	EcoMax L1250	20W	190 - 220 V DC	63
LED Panel Suspended	Superior	95W	N.A.	20	LED Waterproof	EcoMax L1250	43W	140 - 215 V DC	29
LED Downlight	Performer HG/MW	11.5W / 11.5W DALI	200 - 300 V DC	55	LED Waterproof	EcoMax L1550	29W	140 - 215 V DC	43
LED Downlight	Performer HG/MW	15W / 15W DALI	200 - 300 V DC	55	LED Waterproof	EcoMax L1550	57W	140 - 215 V DC	22
LED Downlight	Performer HG/MW	23W / 23W DALI	200 - 300 V DC	26	LED Waterproof	Performer G2 L653	12.5W	150 - 300 V DC	101
LED Downlight	Performer HG/MW	33W / 33W DALI	200 - 300 V DC	26	LED Waterproof	Performer G2 L653/1263	23W	150 - 300 V DC	55
LED Downlight	HZdim	7W	200 - 300 V DC	181	LED Waterproof	Performer G2 L1263	40W	150 - 300 V DC	31
LED Downlight	HZdim	10W	200 - 300 V DC	126	LED Waterproof	Performer G2 L1563	27W	150 - 300 V DC	46
LED Downlight	HZdim	13W	200 - 300 V DC	97	LED Waterproof	Performer G2 L1563	51W	150 - 300 V DC	24
LED Downlight	HZdim	16W	200 - 300 V DC	79	LED Waterproof	Performer G2 L653	13W DALI	N.A.	97
LED Downlight	Slim EcoMax	12W	N.A.	106	LED Waterproof	Performer G2 L653/1263	24W DALI	N.A.	52
LED Downlight	Slim EcoMax	24W	N.A.	53	LED Waterproof	Performer G2 L1263	45W DALI	N.A.	28
LED Spot	Performer 3C/RA	30W	200 - 300 V DC	13	LED Waterproof	Performer G2 L1563	28W DALI	N.A.	45
LED Spot	Performer 3C/RA	45W	190 - 210 V DC	9	LED Waterproof	Performer G2 L1563	55W DALI	N.A.	23
LED Spot	HQ	7W dim	180 - 260 V DC	181					
LED Spot	HQ	9.5W dim	200 - 300 V DC	133					
LED Spot	EcoMax	4.5W	180 - 260 V DC	281					
LED Spot	EcoMax	7W	180 - 260 V DC	181					
LED Highbay	Performer	80W / 80W DALI	190 - 210 V DC	11					
LED Highbay	Performer	120W / 120W DALI	190 - 210 V DC	11					

Cut-Out conversion list

Cut-Out Overview																					
LED Downlight	Cut-Out (mm)			Φ60	Φ68	Φ72	Φ76	Φ80	Φ95	Φ120	Φ125	Φ150	Φ172	Φ175	Φ200	Φ210	100x100	180x100	150x150	200x200	
	Performer		LED DL-RC-P HG/MW R150-11.5W (incl DALI)																		
			LED DL-RC-P HG/MW R200-15W (incl DALI)																		
			LED DL-RC-P HG/MW R200-23W (incl DALI)																		
			LED DL-RC-P HG/MW R200-33W (incl DALI)																		
	EcoMax HZdim		LED DL-RC-HZ DIM R125-7W																		
			LED DL-RC-HZ DIM R150-10W																		
			LED DL-RC-HZ DIM R175-13W																		
			LED DL-RC-HZ DIM R200-16W																		
	Slim EcoMax Slim		LED DL-SL-E R150-12W																		
LED DL-SL-E R200-24W																					
LED DL-SL-E Sq150-12W																					
LED DL-SL-E Sq200-24W																					
LED Spots	Cut-Out (mm)			Φ60	Φ68	Φ72	Φ76	Φ80	Φ95	Φ120	Φ125	Φ150	Φ172	Φ175	Φ200	Φ210	100x100	180x100	150x150	200x200	
	Performer RA	LED SP-RA-P 30W																			
		LED SP-RA-P 45W																			
	HQ RA	LED SP-RA-HQ 7W																			
		LED SP-RA-HQ 9W																			
	EcoMax RF	LED-SP-RF 4.5W																			
		LED-SP-RF 7W																			
	Decorative	Chalice	LED Chalice 4.5W																		
		Ava	LED Ava 7W																		
		Ava	LED Ava 9W																		
Alfie		LED Alfie 4W																			

Note: For Downlight Performer, HZ^{dim} en Slim adapter rings are also available.

Definition of terms

CRI (Ra)

Colour Rendering Index

A color rendering index (CRI) is a quantitative measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source.

CCT

Color temperature in Kelvin

The color temperature of a light source is the temperature of an ideal black-body radiator that radiates light of comparable color to that of the light source.

lm

lumen

The lumen (symbol: lm) is a measure of the total quantity of visible light emitted by a source

lx

lux

lumen/m²

The lux (symbol: lx) is measuring luminous flux per unit area. It is equal to one lumen per square metre. In photometry, this is used as a measure of the intensity, as perceived by the human eye, of light that hits or passes through a surface.

Efficacy

lm/W

Amount of light produced (lm) per unit of energy consumed (W)
Luminous efficacy is a measure of how well a light source produces visible light. It is the ratio of luminous flux to power, measured in lumens per watt

UGR

Unified Glare Rating

The unified glare rating (UGR) is a measure of the glare in a given environment. It is basically the logarithm of the glare of all visible lamps, divided by the background lumination.

DALI

Digital Addressable Lighting Interface

Digital Addressable Lighting Interface (DALI) is a trademark for network-based systems that control lighting in building automation.

SDCM

standard deviation of color matching

SDCM has the same meaning as a "MacAdam ellipse". A 1-step MacAdam ellipse defines a zone in the CIE 1931 2 deg (xy) colour space within which the human eye cannot discern colour difference.

Power factor (pf)

Difference between power and apparent power

The power factor of an AC electrical power system is defined as the ratio of the real power flowing to the load to the apparent power in the circuit and is a dimensionless number in the closed interval of -1 to 1. A power factor of less than one means that the

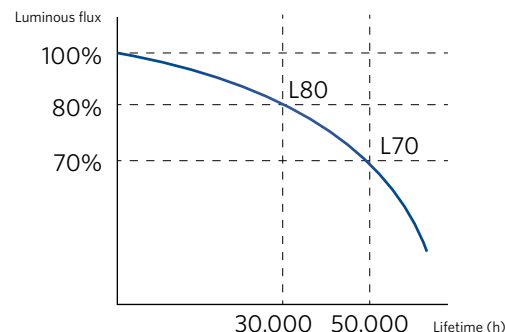
voltage and current waveforms are not in phase, reducing the instantaneous product of the two waveforms.

L70B50

Lifespan: 50% of the installed luminaires, gives min. 70% lightoutput

L80B50

Lifespan: 50% of the installed luminaires, gives min. 80% lightoutput



Input current

The steady state current which a device uses from the net after switch-on

IP

International Protection Rating

I. The IP Code, International Protection Marking, IEC standard 60529, sometimes interpreted as Ingress Protection Marking, classifies and rates the degree of protection provided against intrusion (body parts such as hands and fingers), dust, accidental contact, and water by mechanical casings and electrical enclosures. It is published by the International Electrotechnical Commission (IEC). The equivalent European standard is EN 60529.

II. The IP code consists of two digits. First digit: Solid particle protection. Second digit: Liquid ingress protection

1. The first digit indicates the level of protection that the enclosure provides against access to hazardous parts

IP 0* No protection against contact and ingress of objects

IP 1* Any large surface of the body, such as the back of a hand, but no protection against deliberate contact with a body part (> 50 mm)

IP 2* Fingers or similar objects > 12.5 mm)

IP 3* Tools, thick wires, etc. > 2.5mm)

IP 4* Most wires, slender screws, large ants etc. 1 mm

IP 5* Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.

IP 6* No ingress of dust; complete protection against contact (dust tight). A vacuum must be applied. Test duration of up to 8 hours based on air flow.

2. The second digit indicates the level of protection that the enclosure provides against harmful ingress of water.

IP *0 None

IP *1 Dripping water (vertically falling drops) shall have no harmful effect on the specimen when mounted in an upright position onto a turntable and rotated at 1 RPM.

IP *2 Vertically dripping water shall have no harmful effect when the enclosure is tilted at an angle of 15° from its normal position. A total of four positions are tested within two axes.

IP *3 Water falling as a spray at any angle up to 60° from the vertical shall have no harmful effect, utilizing either:
a) an oscillating fixture, or b) A spray nozzle with a counterbalanced shield. Test a) is conducted for 5 minutes, then repeated with the specimen tilted 90° for the second 5-minute test. Test b) is conducted (with shield in place) for 5 minutes minimum.

IP *4 Water splashing against the enclosure from any direction shall have no harmful effect, utilizing either: a) an oscillating fixture, or b) A spray nozzle with no shield.
Test a) is conducted for 10 minutes. Test b) is conducted (without shield) for 5 minutes minimum.

IP *5 Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects.

IP *6 Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction shall have no harmful effects.

IP *7 Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time (up to 1 m of submersion).

IP *8 The equipment is suitable for continuous immersion in water under conditions which shall be specified by the manufacturer. However, with certain types of equipment, it can mean that water can enter but only in such a manner that it produces no harmful effects. The test depth and/or duration is expected to be greater than the requirements for IPx7, and other environmental effects may be added, such as temperature cycling before immersion.

IP *9 Protected against close-range high pressure, high temperature spray downs. Smaller specimens rotate slowly on a turntable, from 4 specific angles. Larger specimens are mounted upright, no turntable required, and are tested freehand for at least 3 minutes at distance of 0.15–0.2 m.”

IK

This is an international numeric classification for the degrees of protection provided by enclosures for electrical equipment against external mechanical impacts. It provides a means of specifying the capacity of an enclosure to protect its contents from external impacts.

The most common IK values are:

- IK 02 Impact Resistance 0.2 Joules
Standard impact resistance, for example, a standard fixture
- IK 04 Impact Resistance 0.5 Joules
Standard Plus impact resistance, for example, a standard luminaire with an enhanced optical system

- IK 07 Shock resistance 2 Joule
Fortified fixture, for example, a standard fixture with a grid
- IK 08 Resistance to shock of 5 Joules
Vandalism protective fixture, such as a closed luminaire with polycarbonate or glass shade
- IK 10 Shock resistance 20 Joules
Vandal-proof fixture, for example a closed luminaire

SKG

SKG has developed into the partner for safeguarding the long-term performance and safety of industrial products for the building envelope.

Protection class

IEC protection classes are defined in IEC 61140 and used to differentiate between the protective-earth connection requirements of devices. These appliances must have their chassis connected to electrical earth.

- Class 0 These appliances have no protective-earth connection and feature only a single level of insulation between live parts and exposed metalwork. If permitted at all, Class 0 items are intended for use in dry areas only.
- Class 1 These appliances must have their chassis connected to electrical earth (US: ground) by a separate earth conductor (coloured green/yellow in most countries, green in the US, Canada and Japan). The earth connection is achieved with a 3-conductor mains cable, typically ending with 3-prong AC connector which plugs into a corresponding AC outlet.
- Class 01 Electrical installations where the chassis is connected to earth with a separate terminal, instead of via the mains cable. In effect this provides the same automatic disconnection as Class I, for equipment that otherwise would be Class 0
- Class 2 A Class II or double insulated electrical appliance is one which has been designed in such a way that it does not require a safety connection to electrical earth (ground).
- Class 3 A Class III appliance is designed to be supplied from a separated/safety extra-low voltage (SELV) power source. The voltage from a SELV supply is low enough that under normal conditions a person can safely come into contact with it without risk of electrical shock. The extra safety features built into Class I and Class II appliances are therefore not required. For medical devices, compliance with Class III is not considered sufficient protection, and further more-stringent regulations apply to such equipment.

Notes

This image shows a full page of blank, lined paper. It features approximately 28 horizontal blue lines spaced evenly across the page, typical of standard notebook paper. The lines are thin and light blue, set against a plain white background. There are no margins, text, or other markings on the page.

Notes

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