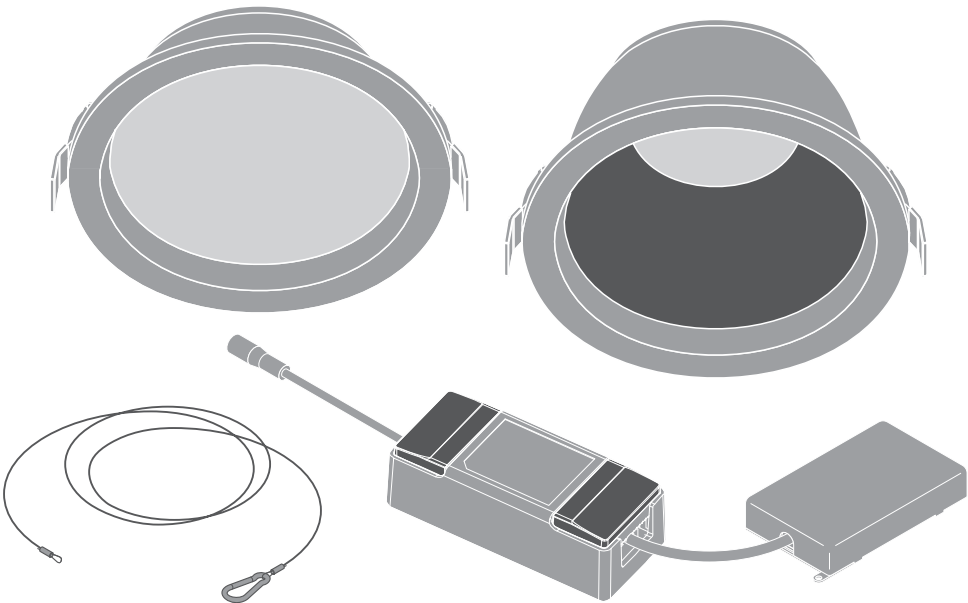


DOWNLIGHT COMFORT HE OPAL

DOWNLIGHT COMFORT HE UGR

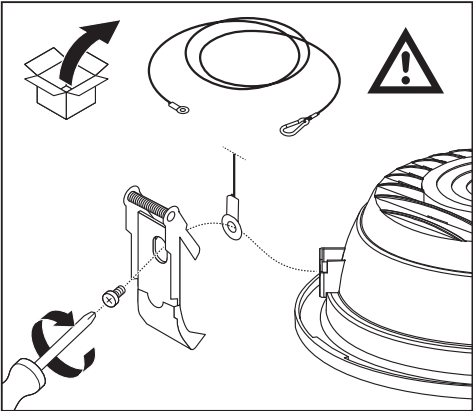
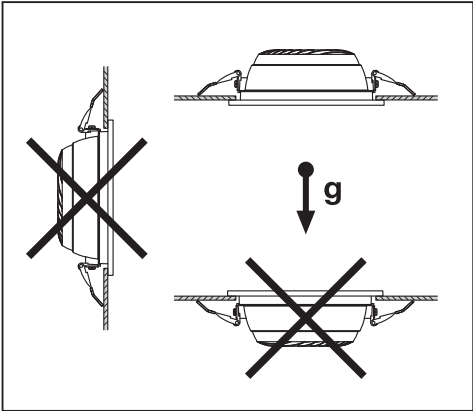


	EAN	Ø x h [mm]	W	V _{AC}	Hz	K	Ø [mm]
DL CMFT HE D150 P 15W ML 830 U19 WT	4099854686962	160x92	15/12/10	220-240V	50/60 Hz	3000	150
DL CMFT HE D150 P 15W ML 840 U19 WT	4099854686986	160x92	15/12/10	220-240V	50/60 Hz	4000	150
DL CMFT HE D200 P 25W ML 830 U19 WT	4099854687006	215x117	25/20/15	220-240V	50/60 Hz	3000	200
DL CMFT HE D200 P 25W ML 840 U19 WT	4099854687020	215x117	25/20/15	220-240V	50/60 Hz	4000	200
DL CMFT HE D250 P 36W ML 830 U19 WT	4099854687044	265x124	36/30/25	220-240V	50/60 Hz	3000	250
DL CMFT HE D250 P 36W ML 840 U19 WT	4099854687068	265x124	36/30/25	220-240V	50/60 Hz	4000	250
DL CMFT HE D150 P 15W ML 830 OP WT	4099854687204	160x57	15/12/10	220-240V	50/60 Hz	3000	150
DL CMFT HE D150 P 15W ML 840 OP WT	4099854687242	160x57	15/12/10	220-240V	50/60 Hz	4000	150
DL CMFT HE D200 P 25W ML 830 OP WT	4099854687266	215x59	25/20/15	220-240V	50/60 Hz	3000	200
DL CMFT HE D200 P 25W ML 840 OP WT	4099854687297	215x59	25/20/15	220-240V	50/60 Hz	4000	200
DL CMFT HE D250 P 36W ML 830 OP WT	4099854687334	265x60	36/30/25	220-240V	50/60 Hz	3000	250
DL CMFT HE D250 P 36W ML 840 OP WT	4099854687358	265x60	36/30/25	220-240V	50/60 Hz	4000	250

	EAN	IP	IK	∠	R _a	° (°C)	PF	kg
DL CMFT HE D150 P 15W ML 830 U19 WT	4099854686962	44 / 20	03	55°	>80	-20...+40	≥ 0.9	0.3 kg
DL CMFT HE D150 P 15W ML 840 U19 WT	4099854686986	44 / 20	03	55°	>80	-20...+40	≥ 0.9	0.3 kg
DL CMFT HE D200 P 25W ML 830 U19 WT	4099854687006	44 / 20	03	55°	>80	-20...+40	≥ 0.9	0.6 kg
DL CMFT HE D200 P 25W ML 840 U19 WT	4099854687020	44 / 20	03	55°	>80	-20...+40	≥ 0.9	0.6 kg
DL CMFT HE D250 P 36W ML 830 U19 WT	4099854687044	44 / 20	03	60°	>80	-20...+40	≥ 0.9	0.8 kg
DL CMFT HE D250 P 36W ML 840 U19 WT	4099854687068	44 / 20	03	60°	>80	-20...+40	≥ 0.9	0.8 kg
DL CMFT HE D150 P 15W ML 830 OP WT	4099854687204	44 / 20	03	95°	>80	-20...+40	≥ 0.9	0.3 kg
DL CMFT HE D150 P 15W ML 840 OP WT	4099854687242	44 / 20	03	95°	>80	-20...+40	≥ 0.9	0.3 kg
DL CMFT HE D200 P 25W ML 830 OP WT	4099854687266	44 / 20	03	100°	>80	-20...+40	≥ 0.9	0.5 kg
DL CMFT HE D200 P 25W ML 840 OP WT	4099854687297	44 / 20	03	100°	>80	-20...+40	≥ 0.9	0.5 kg
DL CMFT HE D250 P 36W ML 830 OP WT	4099854687334	44 / 20	03	100°	>80	-20...+40	≥ 0.9	0.7 kg
DL CMFT HE D250 P 36W ML 840 OP WT	4099854687358	44 / 20	03	100°	>80	-20...+40	≥ 0.9	0.7 kg

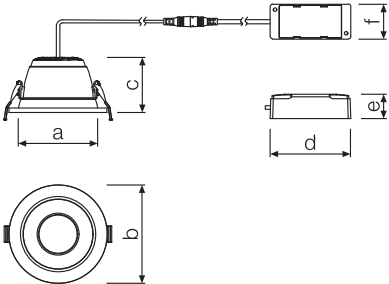
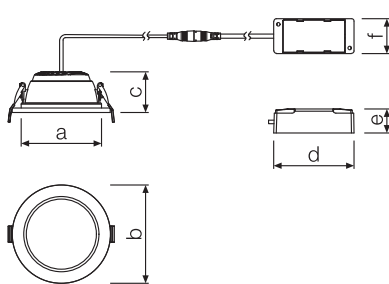
DOWNLIGHT COMFORT HE OPAL

DOWNLIGHT COMFORT HE UGR



OPAL ON-OFF

UGR ON-OFF



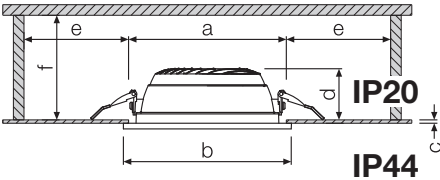
	 [a]	b	c	d	e	f
DL CMFT HE D150 P 15W ML 830 U19 WT	ø 150mm	ø 160mm	92 mm	95mm	29mm	41 mm
DL CMFT HE D150 P 15W ML 840 U19 WT	ø 150mm	ø 160mm	92 mm	95mm	29mm	41 mm
DL CMFT HE D200 P 25W ML 830 U19 WT	ø 200mm	ø 215mm	117mm	120mm	29mm	41 mm
DL CMFT HE D200 P 25W ML 840 U19 WT	ø 200mm	ø 215mm	117mm	120mm	29mm	41 mm
DL CMFT HE D250 P 36W ML 830 U19 WT	ø 250mm	ø 265mm	124mm	120mm	29mm	41 mm
DL CMFT HE D250 P 36W ML 840 U19 WT	ø 250mm	ø 265mm	124mm	120mm	29mm	41 mm
DL CMFT HE D150 P 15W ML 830 OP WT	ø 150mm	ø 160mm	57 mm	95mm	29mm	41 mm
DL CMFT HE D150 P 15W ML 840 OP WT	ø 150mm	ø 160mm	57 mm	95mm	29mm	41 mm
DL CMFT HE D200 P 25W ML 830 OP WT	ø 200mm	ø 215mm	59 mm	120mm	29mm	41 mm
DL CMFT HE D200 P 25W ML 840 OP WT	ø 200mm	ø 215mm	59 mm	120mm	29mm	41 mm
DL CMFT HE D250 P 36W ML 830 OP WT	ø 250mm	ø 265mm	60 mm	120mm	29mm	41 mm
DL CMFT HE D250 P 36W ML 840 OP WT	ø 250mm	ø 265mm	60 mm	120mm	29mm	41 mm

DOWNLIGHT COMFORT HE OPAL

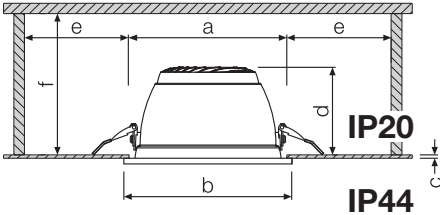
DOWNLIGHT COMFORT HE UGR



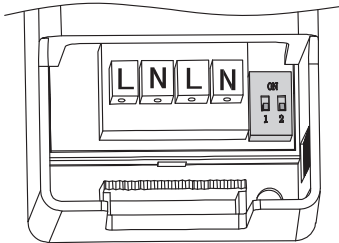
OPAL ON-OFF



UGR ON-OFF



	[a]	b	c	d	e	f
DL CMFT HE D150 P 15W ML 830 U19 WT	150 mm	160 mm	5-25 mm	87 mm	≥400 mm	≥137 mm
DL CMFT HE D150 P 15W ML 840 U19 WT	150 mm	160 mm	5-25 mm	87 mm	≥400 mm	≥137 mm
DL CMFT HE D200 P 25W ML 830 U19 WT	200 mm	215 mm	5-35 mm	112 mm	≥400 mm	≥162 mm
DL CMFT HE D200 P 25W ML 840 U19 WT	200 mm	215 mm	5-35 mm	112 mm	≥400 mm	≥162 mm
DL CMFT HE D250 P 36W ML 830 U19 WT	250 mm	265 mm	5-35 mm	119 mm	≥400 mm	≥169 mm
DL CMFT HE D250 P 36W ML 840 U19 WT	250 mm	265 mm	5-35 mm	119 mm	≥400 mm	≥169 mm
DL CMFT HE D150 P 15W ML 830 OP WT	150 mm	160 mm	5-25 mm	52 mm	≥400 mm	≥102 mm
DL CMFT HE D150 P 15W ML 840 OP WT	150 mm	160 mm	5-25 mm	52 mm	≥400 mm	≥102 mm
DL CMFT HE D200 P 25W ML 830 OP WT	200 mm	215 mm	5-35 mm	54 mm	≥400 mm	≥104 mm
DL CMFT HE D200 P 25W ML 840 OP WT	200 mm	215 mm	5-35 mm	54 mm	≥400 mm	≥104 mm
DL CMFT HE D250 P 36W ML 830 OP WT	250 mm	265 mm	5-35 mm	55 mm	≥400 mm	≥105 mm
DL CMFT HE D250 P 36W ML 840 OP WT	250 mm	265 mm	5-35 mm	55 mm	≥400 mm	≥105 mm



DL CMFT HE D250 P 36W
ML 830 U19 WT

T (Kelvin)	3000		
W _{AC}	36	30	25
Im	4860	4050	3375
Im/W	135	135	135

DL CMFT HE D250 P 36W
ML 840 U19 WT

T (Kelvin)	4000		
W _{AC}	36	30	25
Im	5220	4350	3750
Im/W	145	145	150

DL CMFT HE D150 P 15W
ML 830 OP WT

T (Kelvin)	3000		
W _{AC}	15	12	10
Im	2025	1680	1400
Im/W	135	140	140

DL CMFT HE D150 P 15W
ML 840 OP WT

T (Kelvin)	4000		
W _{AC}	15	12	10
Im	2175	1800	1500
Im/W	145	150	150

DL CMFT HE D150 P 15W
ML 830 U19 WT

T (Kelvin)	3000		
W _{AC}	15	12	10
Im	1950	1620	1350
Im/W	130	135	135

DL CMFT HE D150 P 15W
ML 840 U19 WT

T (Kelvin)	4000		
W _{AC}	15	12	10
Im	2100	1680	1400
Im/W	140	140	140

DL CMFT HE D200 P 25W
ML 830 OP WT

T (Kelvin)	3000		
W _{AC}	25	20	15
Im	3625	2900	2250
Im/W	145	145	150

DL CMFT HE D200 P 25W
ML 840 OP WT

T (Kelvin)	4000		
W _{AC}	25	20	15
Im	3750	3100	2325
Im/W	150	155	155

DL CMFT HE D200 P 25W
ML 830 U19 WT

T (Kelvin)	3000		
W _{AC}	25	20	15
Im	3250	2700	2025
Im/W	130	135	135

DL CMFT HE D200 P 25W
ML 840 U19 WT

T (Kelvin)	4000		
W _{AC}	25	20	15
Im	3625	2900	2175
Im/W	145	145	145

DL CMFT HE D250 P 36W
ML 830 OP WT

T (Kelvin)	3000		
W _{AC}	36	30	25
Im	5220	4350	3750
Im/W	145	145	150

DL CMFT HE D250 P 36W
ML 840 OP WT

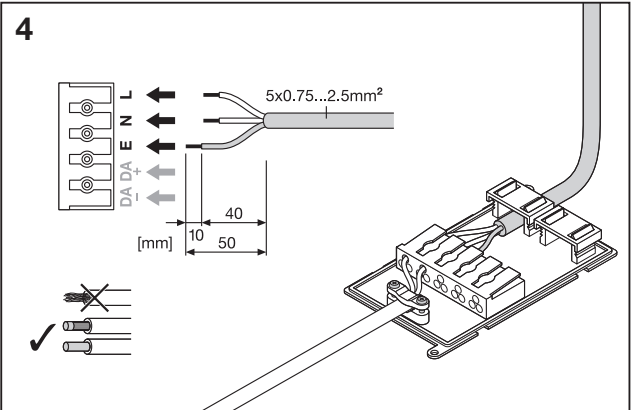
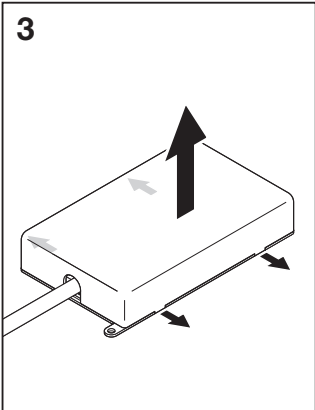
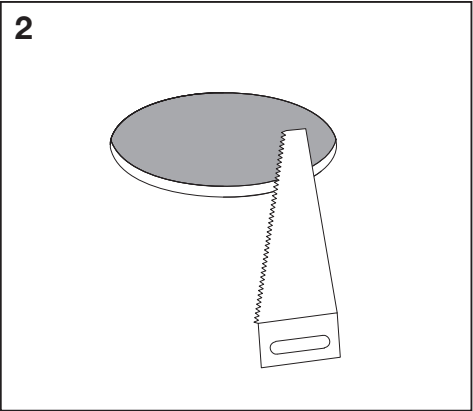
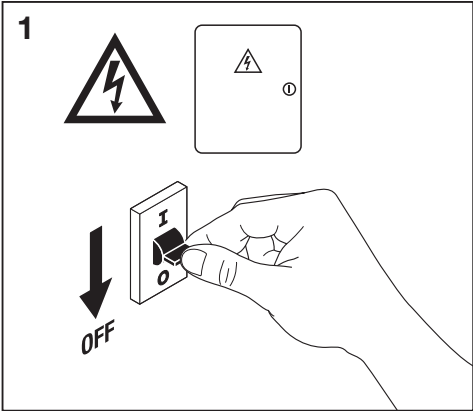
T (Kelvin)	4000		
W _{AC}	36	30	25
Im	5580	4650	4000
Im/W	155	155	160

DOWNLIGHT COMFORT HE OPAL

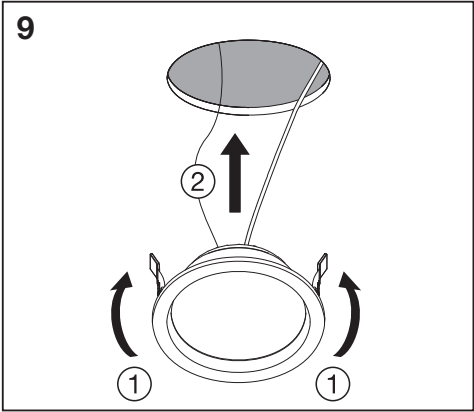
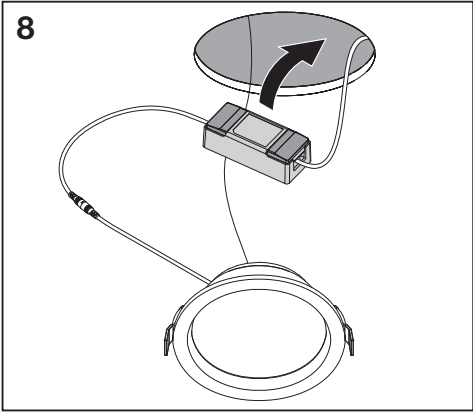
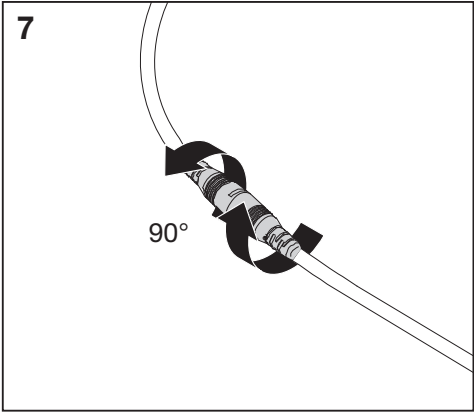
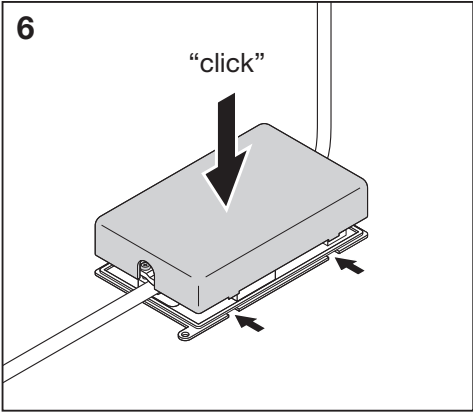
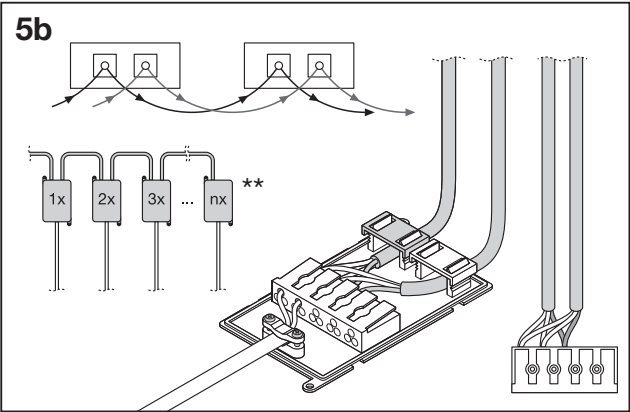
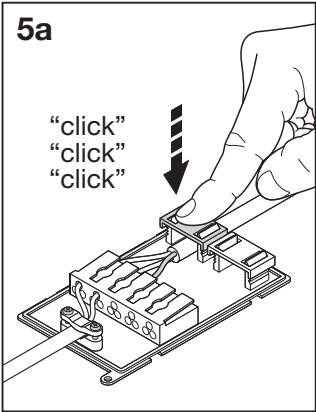
DOWNLIGHT COMFORT HE UGR



	Power ¹⁾ (W)	Current ²⁾ (mA)	Switch position ³⁾	
			1	2
DL CMFT HE D150	10 W	250mA	OFF	OFF
	12 W	300mA	ON	OFF
	15 W	350mA	ON	ON
DL CMFT HE D200	15 W	380mA	OFF	OFF
	20 W	500mA	ON	OFF
	25 W	600mA	ON	ON
DL CMFT HE D250	25 W	650mA	OFF	OFF
	30 W	750mA	ON	OFF
	36 W	900mA	ON	ON

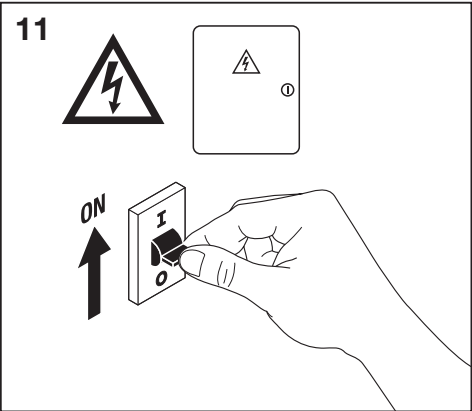
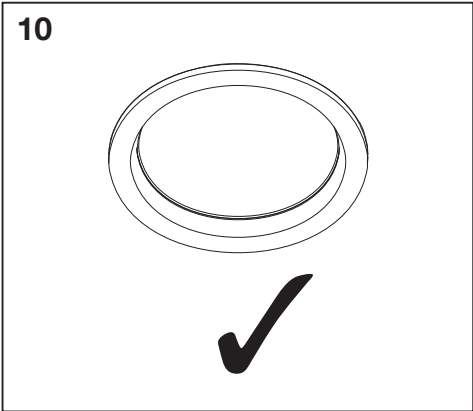


DOWNLIGHT COMFORT HE OPAL
DOWNLIGHT COMFORT HE UGR



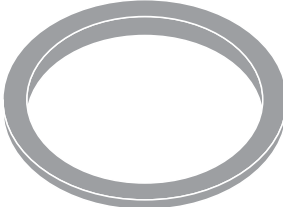
DOWNLIGHT COMFORT HE OPAL

DOWNLIGHT COMFORT HE UGR





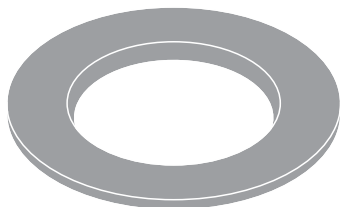
	EAN	Ø x h [mm]	⚖️
DL CMFT FRAME D100 WT	4099854499906	116 x 120	0.4 kg
DL CMFT FRAME D150 WT	4099854499968	160 x 150	0.6 kg
DL CMFT FRAME D200 WT	4099854500022	215 x 184	1.1 kg
DL CMFT FRAME D250 WT	4099854500145	265 x 190	1.6 kg
DL CMFT FRAME D100 BK	4099854499920	116 x 120	0.4 kg
DL CMFT FRAME D150 BK	4099854499982	160 x 150	0.6 kg
DL CMFT FRAME D200 BK	4099854500046	215 x 184	1.1 kg
DL CMFT FRAME D250 BK	4099854500169	265 x 190	1.6 kg
DL CMFT FRAME D100 GY	4099854499944	116 x 120	0.4 kg
DL CMFT FRAME D150 GY	4099854500008	160 x 150	0.6 kg
DL CMFT FRAME D200 GY	4099854500060	215 x 184	1.1 kg
DL CMFT FRAME D250 GY	4099854500183	265 x 190	1.6 kg



	EAN	Ø x h [mm]	⚖️
DL CMFT EXCH RING D100 BK	4099854515286	116 x 8	0.1 kg
DL CMFT EXCH RING D150 BK	4099854515316	160 x 12	0.1 kg
DL CMFT EXCH RING D200 BK	4099854515347	215 x 12	0.1 kg
DL CMFT EXCH RING D250 BK	4099854515378	265 x 12	0.1 kg
DL CMFT EXCH RING D100 GY	4099854515408	116 x 8	0.1 kg
DL CMFT EXCH RING D150 GY	4099854515439	160 x 12	0.1 kg
DL CMFT EXCH RING D200 GY	4099854515460	215 x 12	0.1 kg
DL CMFT EXCH RING D250 GY	4099854515491	265 x 12	0.1 kg

DOWNLIGHT COMFORT HE OPAL

DOWNLIGHT COMFORT HE UGR



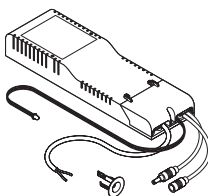
	EAN	Ø x h [mm]	⬆
DL CMFT EXT RING D140 WT	4099854741456	140x8	0.1 kg
DL CMFT EXT RING D190 WT	4099854687723	190x12	0.1 kg
DL CMFT EXT RING D240 WT	4099854687631	240x12	0.1 kg
DL CMFT EXT RING D140 BK	4099854741487	140x8	0.1 kg
DL CMFT EXT RING D190 BK	4099854687570	190x12	0.1 kg
DL CMFT EXT RING D240 BK	4099854687662	240x12	0.1 kg
DL CMFT EXT RING D140 GY	4099854741517	140x8	0.1 kg
DL CMFT EXT RING D190 GY	4099854687600	190x12	0.1 kg
DL CMFT EXT RING D240 GY	4099854687693	240x12	0.1 kg

EMERGENCY CONVERSION BOX

TEMPERATURE SENSOR

EAN 4099854455933

EM (Conversion Kit) 4000K			EM (Conversion Kit) 3000K		
UGR	EM W*	EM lm*	UGR	EM W*	EM lm*
D150	3	360	D150	3	350
D200	3	370	D200	3	360
D250	3	385	D250	3	365
OPAL			OPAL		
D150	3	390	D150	3	375
D200	3	400	D200	3	390
D250	3	410	D250	3	395



* ① Leuchten mit zusätzlichen Notstrom-Anforderungen gemäß EN 60598-2-22 zertifiziert (gilt nicht für Frankreich und Dänemark). ② Luminaires certified including the additional emergency requirements of EN 60598-2-22 (not applicable for France and Denmark). ③ Luminaires homologués conformément aux exigences supplémentaires de la norme EN 60598-2-22 en matière d'éclairage de secours (ne s'applique pas pour la France et le Danemark). ④ Impianti di illuminazione certificati includendo i requisiti aggiuntivi di emergenza di EN 60598-2-22 (non applicabili a Francia e Danimarca). ⑤ Lámparas certificadas incluyendo los requisitos de emergencia adicionales de EN 60598-2-22 (no aplicable para Francia y Dinamarca). ⑥ Luminárias certificadas, incluindo os requisitos de emergência adicionais da norma EN 60598-2-22 (não se aplica para França e Dinamarca). ⑦ Φωτιστικά

σώματα πιστοποιημένα περιλαμβανομένων των πρόσθετων απαιτήσεων έκτακτης ανάγκης του EN 60598-2-22 (δεν έχει εφαρμογή για Γαλλία και Δανία). ⑧ Ge certificeerde lampen die voldoen aan de bijzondere eisen van NBN-EN-IEC 60598-2-22 verlichtingsarmaturen voor noodverlichting (geldt niet voor Frankrijk en Denemarken). ⑨ Ljusarmaturerna är certifierade inklusive Nödbelysningskraven i EN 60598-2-22 (ej tillämplbart för Frankrike och Danmark). ⑩ Valaisimet on sertifioitu EN 60598-2-22 -normin tulvalaisimia koskevien lisämääräysten mukaan (ei koske Ranskaa ja Tanskaa). ⑪ Armaturer sertifisert inkludert tilleggskrav til nødsituasjoner i henhold til EN 60598-2-22 (gjelder ikke Frankrike og Danmark). ⑫ Armaturer certificeret med ekstra nødkrav iht. EN 60598-2-22 (gælder ikke for Frankrig og Danmark). ⑬ Světelníky certifikované s dodatečnými požadavky na nouzový proud podle normy EN 60598-2-22 (neplatí pro Francii a Dánsko). ⑭ Светильники сертифицированы с учетом дополнительных аварийных требований стандарта EN 60598-2-22 (не применимо для Франции и Дании). ⑮ A lámpatestek az EN 60598-2-22 szabvány kiegészítő vészhelyzeti előírásait is figyelembe véve tanúsítottak (Franciaország és Dánia esetén nem érvényes). ⑯ Oprawy oświetleniowe z certyfikatem potwierdzającym spełnienie dodatkowych wymagań dotyczących oświetlenia awaryjnego zgodnie z normą EN 60598-2-22 (nie dotyczy Francji i Danii). ⑰ Certifikované světelné zdroje s dodatečnými požadavky na nouzový proud podle normy EN 60598-2-22 (neplatí pro Francúzsko a Dánsko). ⑱ Svetilke z dodatnimi zahtevami glede napajanja v sili, certificirane v skladu z EN 60598-2-22 (ne velja za Francijo in Dansko). ⑲ EN 60598-2-22 sayılı standardın ek acil gerekliliklerini içeren sertifikalı armatürler (Fransa ve Danimarka için geçerli değildir). ⑳ Certificarea rasvjetna tijela uključujući dodatne zahtjeve u slučaju opasnosti sukladno normi EN 60598-2-22 (nije primjenjivo za Francusku i Dansku). ㉑ Corpi di illuminat certificate inclusiv pentru cerințele suplimentare de urgență din EN 60598-2-22 (neaplicabile pentru Franța și Danemarca). ㉒ Осветительные тела, сертифицируемые дополнительно согласно дополнительным изъяснениям за аварийное освещение по EN 60598-2-22 (не се отнася за Франция и Дания). ㉓ Valgustid, mis on sertifitseeritud muuhulgas vastavalt standardiga EN 60598-2-22 kehtestatud hädavalgustuse erinõuete osas (ei kehti Prantsusmaal ja Taanis korral). ㉔ Šviestuvai sertifikuoti, įskaitant papildomus išskirtinius reikalavimus pagal EN 60598-2-22 (netaikoma Prancūzijoje ir Danijoje). ㉕ Gaismeklii sertifitseet, tostapet iekļaujot EN 60598-2-22 papildu ārkārtas prasības (neattiecas uz Franciju un Dāniju). ㉖ Sertifikovane svetiljke, uključujući i dodatne zahtjeve u skladu sa EN 60598-2-22 (ne važi za Francusku i Dansku). ㉗ Светильники сертифицированы с учетом дополнительных дополнительных требований вимог щодо світильників для аварійного освітлення згідно зі стандартом EN 60598-2-22 (не діє для Франції та Данії). ㉘ Бул шамдалдар EN 60598-2-22 стандартының қосымша төтенше талаптарына сай сертификатталған (Франция мен Дания үшін қолданылмайды).

DL CMFT HE D150 P 15W ML 830 U19 WT
DL CMFT HE D150 P 15W ML 840 U19 WT
DL CMFT HE D200 P 25W ML 830 U19 WT
DL CMFT HE D200 P 25W ML 840 U19 WT
DL CMFT HE D250 P 36W ML 830 U19 WT
DL CMFT HE D250 P 36W ML 840 U19 WT
DL CMFT HE D150 P 15W ML 830 OP WT
DL CMFT HE D150 P 15W ML 840 OP WT
DL CMFT HE D200 P 25W ML 830 OP WT
DL CMFT HE D200 P 25W ML 840 OP WT
DL CMFT HE D250 P 36W ML 830 OP WT
DL CMFT HE D250 P 36W ML 840 OP WT

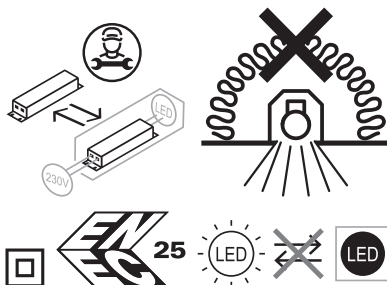
n=23

n=29

n=38

- | | |
|-------|--|
| (B) | 1) Power; 2) Current; 3) Switch position |
| (E) | 1) Ein/Aus; 2) Strom; 3) Schalterstellung |
| (F) | 1) Alimentation ; 2) Courant ; 3) Position du commutateur |
| (I) | 1) Alimentazione; 2) Corrente; 3) Posizione interruttore |
| (E) | 1) Alimentación; 2) Corriente; 3) Posición del interruptor |
| (P) | 1) Ligar/desligar; 2) Corrente; 3) Posição do interruptor |
| (GR) | 1) loyux; 2) Pelyua; 3) Oeân ôakôrttî |
| (NL) | 1) Vermogen; 2) Stroom; 3) Schakelaarpositie |
| (S) | 1) Effekt; 2) Ström; 3) Bryterlåg |
| (FIN) | 1) Teho; 2) Virta; 3) Kytkimen asento |
| (N) | 1) Tenning; 2) Ström; 3) Bryterposisjon |
| (DK) | 1) Tænd; 2) Strøm; 3) Kontaktposition |
| (CS) | 1) Napájení; 2) Proud; 3) Poloha spínače |
| (BZ) | 1) Питание; 2) Ток; 3) Положение переключателя |
| (H) | 1) Tápellátás; 2) Áram; 3) Kapcsoló helyzete |
| (I) | 1) Zaslanje; 2) Prąd; 3) Położenie przełącznika |
| (SK) | 1) Napájanie; 2) Prúd; 3) Poloha spínača |
| (S) | 1) Moç; 2) Tok; 3) Położaz stanki |
| (TR) | 1) Güç; 2) Akım; 3) Anahtar konumu |

- (HR) 1) Snaga napajanja; 2) Struja; 3) Položaj prekidača
 (RU) 1) Пу́тере; 2) То́к; 3) По́зиция комму́татору́ли
 (BG) 1) Захранване; 2) Ток; 3) Позиция на превключвателя
 (EST) 1) Võimsus; 2) Voolutugevus; 3) Lüliti asend
 (LT) 1) Maitinimas; 2) Srovė; 3) Jungiklio padėtis
 (LV) 1) Jauda; 2) Strāva; 3) Slēdzņa pozīcija
 (EN) 1) Napajanje; 2) Struja; 3) Položaj prekidača
 (UA) 1) Живлення; 2) Струм; 3) Положення перемикача
 (KZ) 1) Қуат; 2) Ток; 3) Ауыстығырғыш күйі



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