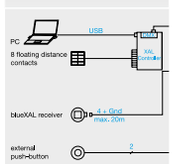
14

TECHNICAL INFORMATION
Información Técnica
Техническая информация

OVERVIEW RGB LED **COMPONENTS** **726**

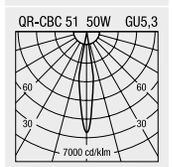


EXAMPLES **728**

OVERVIEW DALI-bus **COMPONENTS** **730**

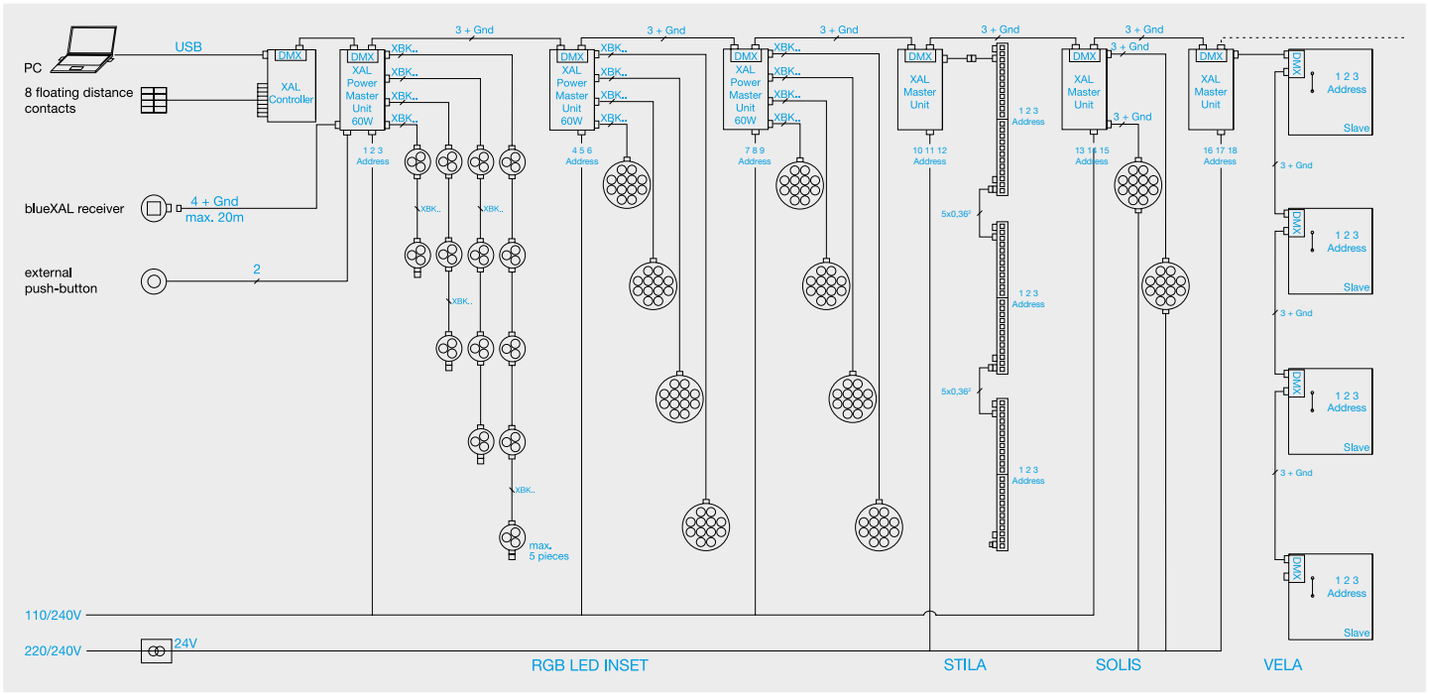
MOUNTING instructions **732**

OVERVIEW of lamps **736**



PHOTOMETRIC data **738**

OVERVIEW RGB LED



E

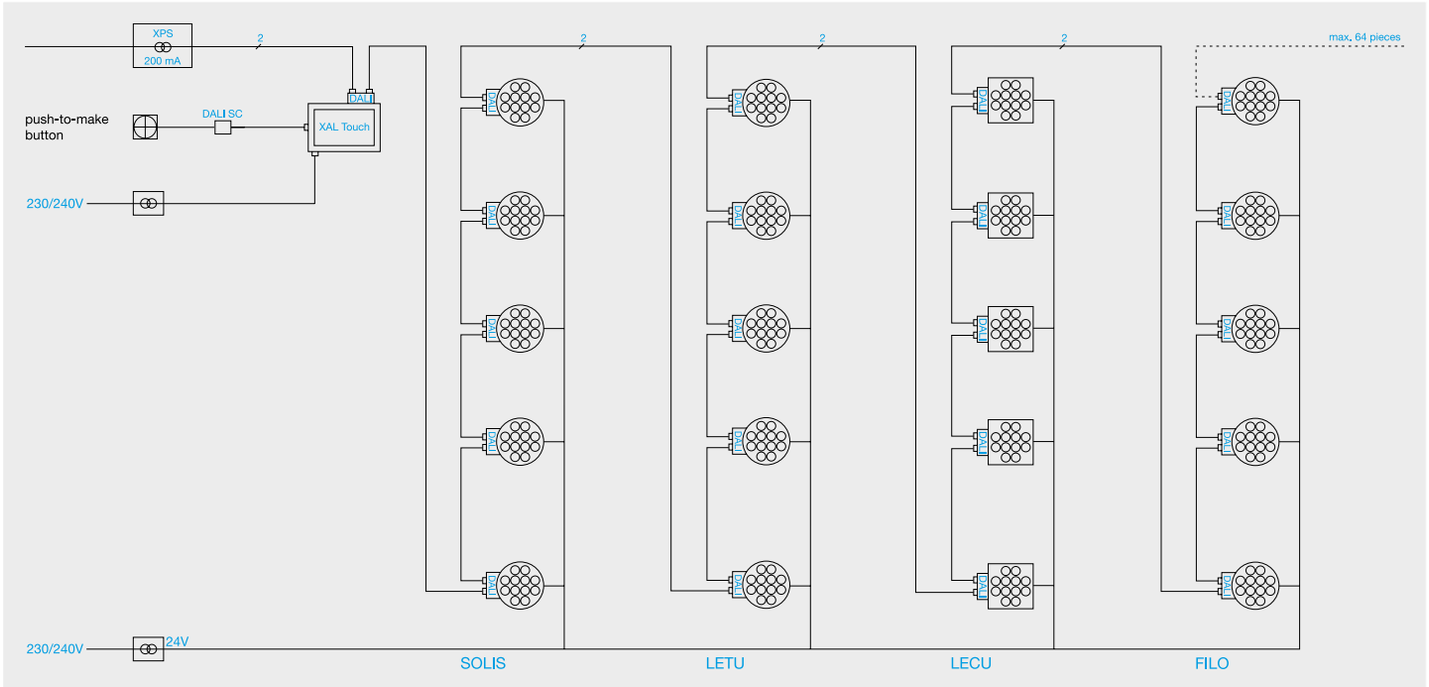
The XAL MASTER UNIT, as well as the XAL DMX CONTROLLER make it possible to save 8 individually programmable colour sequences and select them over external buttons. Contrary to the XAL DMX CONTROLLER, the XAL MASTER unit cannot be programmed for single addresses.

ESP

La XAL MASTER UNIT y el controlador XAL DMX ofrecen la posibilidad de guardar 8 programables secuencias de colores, y de accionarlas mediante botón externo. A diferencia del controlador XAL DMX, con la XAL MASTER UNIT no es posible programar direcciones individuales.

RU

POWER MASTER UNIT, XAL MASTER UNIT, встроенная память на 8 сцен, управление с внешней кнопки или через blueXAL приемник, управление через программу iPAQ.



E

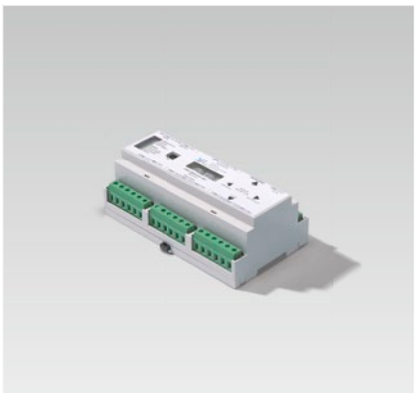
The XAL TOUCH PANEL allows for addressing and controlling of up to 2x64 DALI RGB LED luminaires. The controller has a special colour mode, which enables an easy programming of colour sequences. Over the DALI bus, other luminaires with DALI gear can be controlled and saved in one of up to 16 individually programmable light scenes.

ESP

El XAL TOUCH PANEL permite direccionar y controlar hasta 2x64 luminarias LED RGB. El controlador posee un Color Modus especial que permite una sencilla programación de secuencias de colores. Mediante el bus DALI es posible también conmutar otras luminarias con instrumentos operativos DALI, y guardar escenas programables de luces individuales.

RU

XAL TOUCH PANEL позволяет управлять до 2x64 DALI RGB адреса. Режим управления RGB. Управление через шину DALI. До 16 динамичных сцен.



E

Module with DMX-output for control of RGB LEDs with 512 addresses
Only synchronized mode of RGB LEDs possible
Memory for 8 individual scenes, selection with external button

ESP

Módulo de control con salida DMX para el control de LED RGB con 512 direcciones
Modo de sincronización únicamente para todos los LED RGB posible
Memoria para 8 escenas individuales, accesibles con botón externo

RU

Модуль управления RGB LED для 512 адресов
Синхронизированный режим работы RGB LEDs
Память на 8 сцен, выбор с внешней кнопки

XAL DMX MASTER UNIT 24V DC

TYPE	L/B/H (MM)	CODE
1x512 addr.	159/90/58	**002-51010**

POWER SUPPLY for XAL DMX Master Unit

TYPE	L/B/H (MM)	CODE
220-240V | 24V	21/90/58	**002-59890**

E

DMX module with one or two universes with 512 addresses each
Single-address-control possible
Memory for 8 individual scenes, selection with external button
Built-in timer and sensor module for automatic switch of scenes

ESP

Módulo de control DMX con uno o dos universos cada uno con 512 direcciones
Control individual de cada dirección posible
Memoria para 8 escenas individuales, accesibles con botón externo
Con temporizador y módulo sensor para cambio automático de escenas

RU

Модуль DMX, 1/512 или 2/512 адресов
Управления каждам адресом
Память на 8 сцен, выбор с внешней кнопки
Встроенный таймер и сенсор для переключения сцен

XAL DMX CONTROLLER 9-48V DC

TYPE	L/B/H (MM)	CODE
1x512 addr.	144/90/58	**002-52111**
2 2x512 addr.	144/90/58	**002-52112**

POWER SUPPLY for XAL DMX Controller

TYPE	L/B/H (MM)	CODE
220-240V | 24V	21/90/58	**002-59890**

E

DMX module for control of RGB LEDs
6 preprogrammed scenes, selection with button
Fade times, adjustable with button

ESP

Módulo de control DMX para el control de LED RGB
6 escenas pre programadas accesibles a través de botón
Tiempos de transición regulables mediante botón

RU

DMX модуль для управления RGB LEDs
память на 6 сцен, выбор с внешней кнопки
Управляется внешней кнопкой

XAL DMX PUSH BUTTON UNIT 24V DC

TYPE	L/B/H (MM)	CODE
Push-button | DMX	112/47/25	**002-51015**

POWER SUPPLY for XAL DMX Push Button Unit

TYPE	L/B/H (MM)	CODE
220-240V | 24V	85/40/22	**002-60013**

ACCESSORY

LED CONNECTION CABLE
for RGB interior lights

TYPE		L (M)	CODE
XBK1	6x0,6mm² RJ12	1	**002-51901**
XBK3	6x0,6mm² RJ12	3	**002-51903**
XBK6	6x0,6mm² RJ12	6	**002-51906**
XBK10	6x0,6mm² RJ12	10	**002-51910**
XBK15	6x0,6mm² RJ12	15	**002-51915**
XBK50	6x0,6mm² RJ12	50	**002-51950**

DMX CONNECTION CABLE IP67
open end | plug | socket

TYPE	L (M)	CODE
4xAWG22 open end	per m	**007-9900040**
socket 90° offset		**007-9932040**
plug 90° offset		**007-9942040**
terminal resistor 120 ohm		**007-9960040**

XAL DMX POWER CONTROL UNIT 24V DC

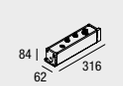
TYPE	L/B/H (MM)	CODE
24V | 350mA	112/47/25	**002-51017**

POWER SUPPLY XAL DMX Power Control Unit

TYPE	L/B/H (MM)	CODE
20W | 24V DC	109/50/35	**002-60021**

XAL DMX USB ADDRESSING-KIT incl. software

TYPE	CODE
DMX USB addressing-kit	**002-51600**



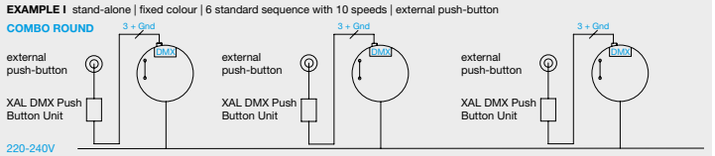
XAL DMX BOOSTER 220-240V

TYPE	CODE
DMX booster | Splitter	**002-51030**
DMX booster IP67	**007-9965040**

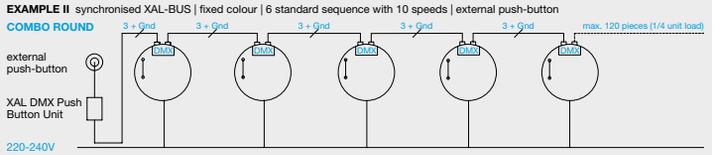
EXAMPLES

COMBO ROUND | SQUARE LED

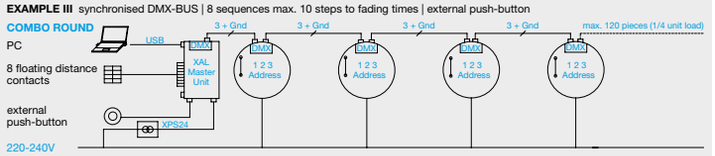
EXAMPLE I stand-alone | fixed colour | 6 standard sequence with 10 speeds | external push-button



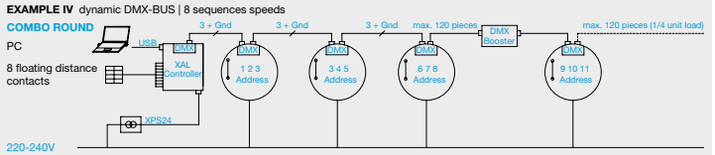
EXAMPLE II synchronised XAL-BUS | fixed colour | 6 standard sequence with 10 speeds | external push-button



EXAMPLE III synchronised DMX-BUS | 8 sequences max. 10 steps to fading times | external push-button

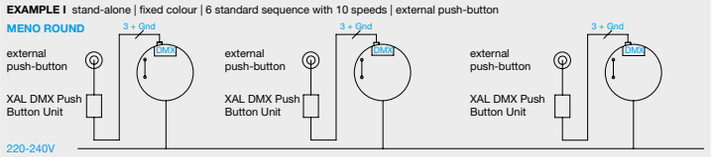


EXAMPLE IV dynamic DMX-BUS | 8 sequences speeds

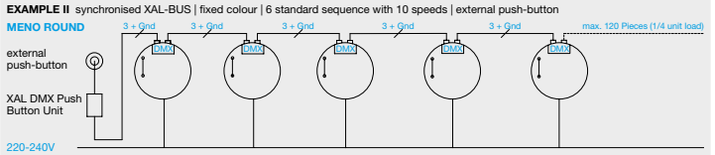


MENO ROUND | SQUARE LED

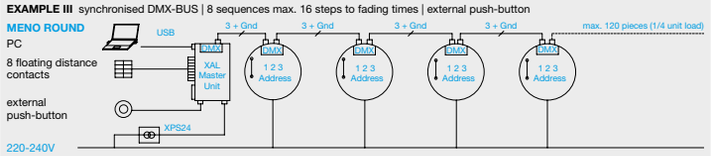
EXAMPLE I stand-alone | fixed colour | 6 standard sequence with 10 speeds | external push-button



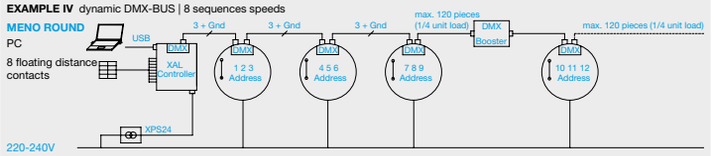
EXAMPLE II synchronised XAL-BUS | fixed colour | 6 standard sequence with 10 speeds | external push-button



EXAMPLE III synchronised DMX-BUS | 8 sequences max. 16 steps to fading times | external push-button

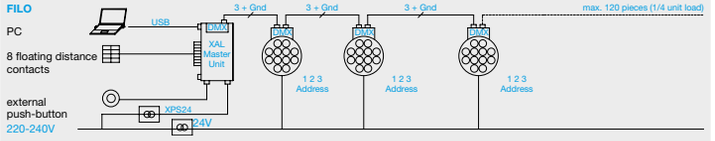


EXAMPLE IV dynamic DMX-BUS | 8 sequences speeds

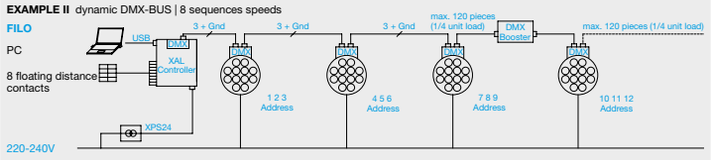


FILO RGB

EXAMPLE I synchronised DMX-Bus | 8 sequences speeds | external push-button

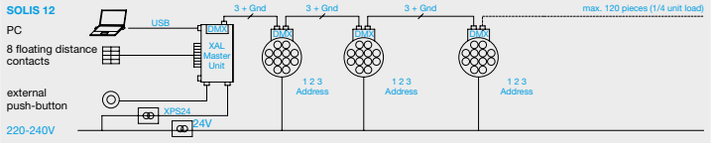


EXAMPLE II dynamic DMX-BUS | 8 sequences speeds

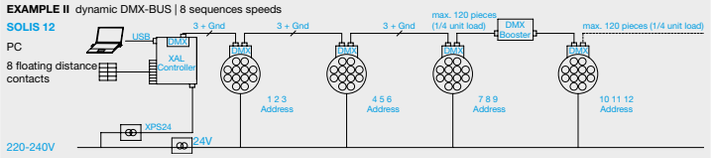


SOLIS RGB

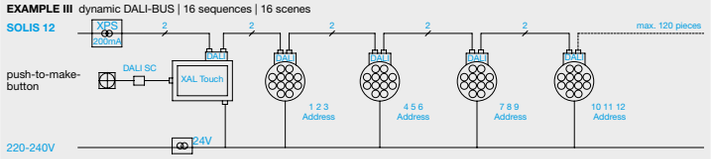
EXAMPLE I synchronised DMX-BUS | 8 sequences speeds | external push-button



EXAMPLE II dynamic DMX-BUS | 8 sequences speeds

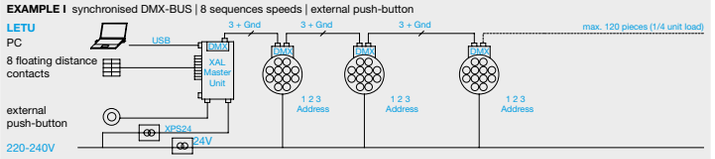


EXAMPLE III dynamic DALI-BUS | 16 sequences | 16 scenes

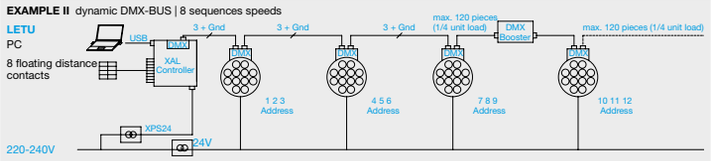


LETU | LECU RGB

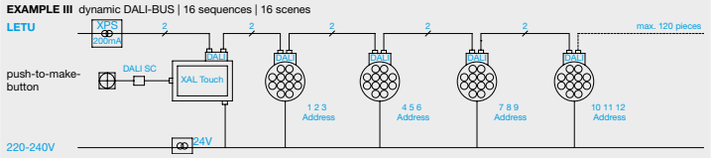
EXAMPLE I synchronised DMX-BUS | 8 sequences speeds | external push-button



EXAMPLE II dynamic DMX-BUS | 8 sequences speeds

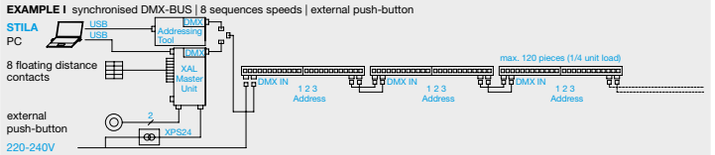


EXAMPLE III dynamic DALI-BUS | 16 sequences | 16 scenes

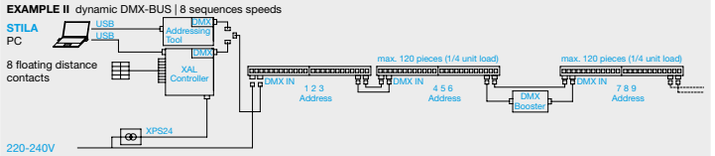


STILA | STILA FRAME RGB

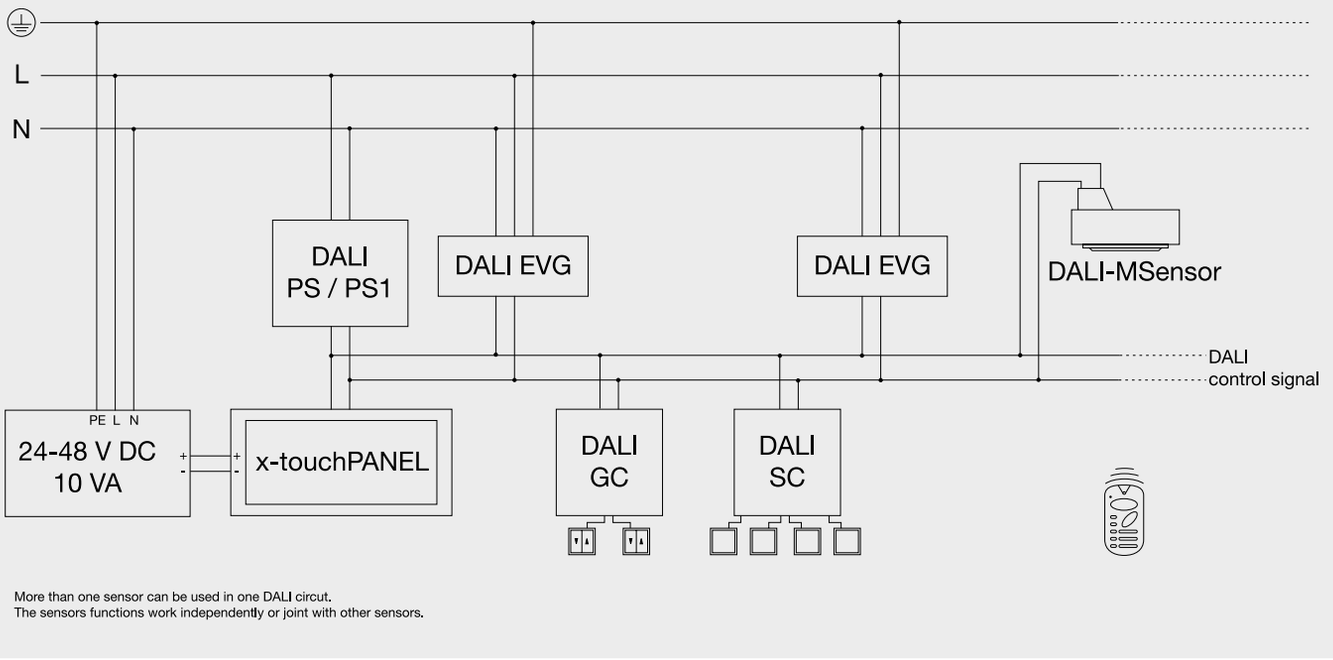
EXAMPLE I synchronised DMX-BUS | 8 sequences speeds | external push-button



EXAMPLE II dynamic DMX-BUS | 8 sequences speeds



OVERVIEW DALI-bus



E

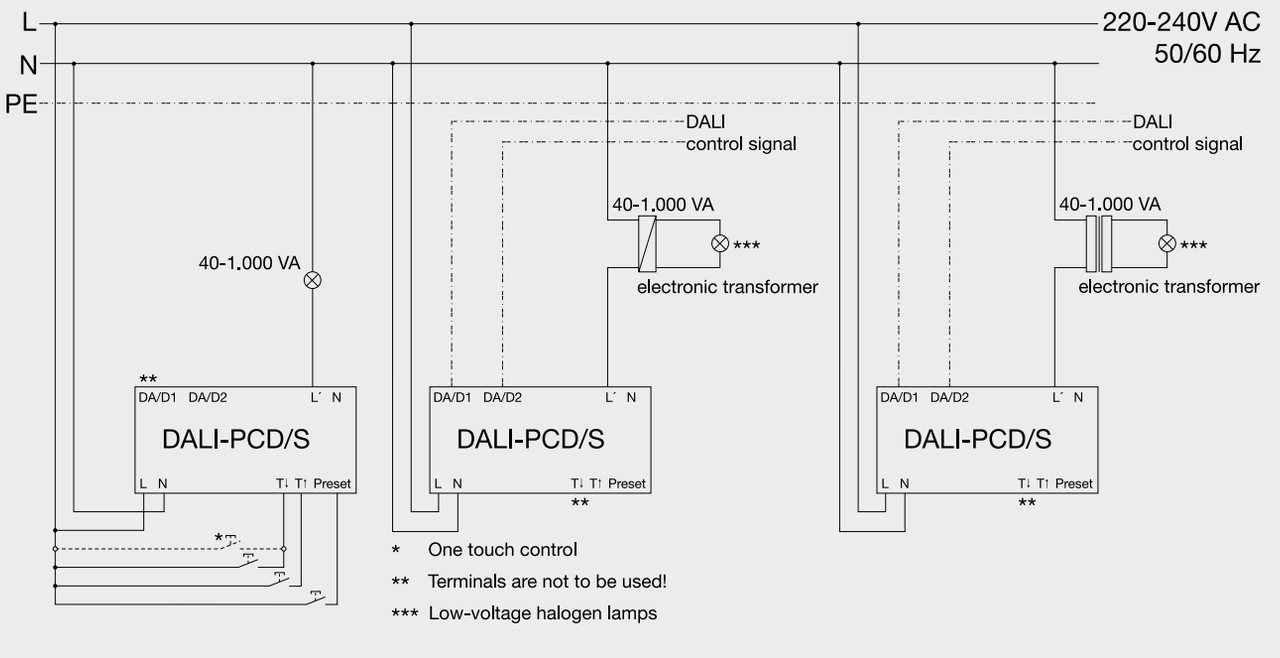
The XAL DALI TOUCH PANEL offers flexible, room-oriented light management of maximum 2x64 DALI-units, 16 light scenes and 16 light groups. Reasonable add-on devices like the DALI GC or the DALI SC, which thanks to its compact measurements fit directly behind the switch in the socket, allow for a control of lighting equipment over standard plugs.

ESP

El XAL DALI TOUCH PANEL ofrece la administración de luz espacial con máx. 2x64 instrumentos operativos DALI, 16 escenas de luces y 16 grupos de luces. Instrumentos adicionales como el DALI GC o el DALI SC son razonables, ya que son compactos y caben directamente detrás del botón en la caja de interruptor ofreciendo el manejo del equipo de iluminación mediante botón habitual.

RU

Панель управления XAL DALI позволят гибко управлять максимально 2x64 DALI адресами, 16 сценами и 16 световыми группами. Дополнительные модули DALI GS или DALI SC, благодаря компактным размерам, можно встраивать за выключателями, для управления светильниками через стандартные розетки



E

The DALI-PCD/S is a digital phase-dimmer. By using automated resistive load detection, low voltage halogen lamps can be dimmed in combination with electronic or magnetic transformers, as well as with Ohm resistive loads (incandescents and high voltage halogen lamps) with an overall output of 40-100VA. Additionally, an option exists for using the dimmer as a stand alone unit. It is then controlled over standard switches.

ESP

El DALI-PCD/S es un dimeador digital de fases. Mediante el reconocimiento automático de carga es posible dimear lámparas incandescentes halógenas de baja tensión en conexión con transformadores electrónicos o magnéticos, y también cargas óhmicas (lámparas incandescentes y lámparas halógenas de alta tensión) con una potencia eléctrica total de 40-100VA. Existe la opción adicional de operar el dimeador como unidad independiente. El control se realiza entonces directamente mediante botón habitual.

RU

DALI-PCD/S цифровой фазовый диммер, с детектором нагрузки, для управления галогеновых ламп с электронным или магнитным трансформатором

E

Control system for 2x64 DALI addresses with colour touch screen
Management of up to 16 groups and 16 scenes
Control of RGB-applications and calender function
Real-time clock and calender with up to 7 daily routines

ESP

Sistema de administración de luz con Touch Screen a colores
para 2x64 direcciones DALI
Administración de hasta 16 grupos y 16 escenas
Función de control para aplicación RGB y función de calendario
Temporizador de tiempo real con hasta 7 rutinas diarias

RU

Система управления для 2x64 DALI адресов, цветной экран
Управление 16 группами и 16 сценами
Управление RGB светильниками, функция календаря
Встроенные часы и календарь до 7 сцен

XAL DALI TOUCH PANEL 5,7" 24-48V

L/B/H (MM)	CODE
200/150/20	**002-59900**

POWER SUPPLY for XAL DALI Touch Panel

TYPE	L/B/H (MM)	CODE
220-240V | 24V	21/90/58	**002-59890**

E

Infrared remote with selection of up to 2 lighting scenes
Functions: On/Off, Brighter/Darker
Selection of 5 fixed values: 100%, 50%, 25%, 12% and 6%
Wall mounting kit included

ESP

Transmisor infrarrojo de mano para el accionamiento de hasta 2 escenas de luces
Funciones: Encendido/Apagado, Claro/Oscuro
Accionamiento de 5 valores fijos 100%, 50%, 25%, 12% y 6%
Soporte de pared incluido en el volumen de entrega

RU

Дистанционное управление
Вкл./выкл. ярче/темнее
Выбор 5 фикс. значений 100%, 50%, 25%, 12%, 6%
Система крепления к стене в комплекте

IR REMOTE CONTROL

CODE
002-54010

E

Button interface for the simple control of DALI luminaires
It is controlled by use of DALI broadcast commands
Only synchronized mode of plain LEDs possible
Supply via DALI bus channel

ESP

Interfaz de botones para el control sencillo de las luminarias DALI
El control se realiza mediante mandos de transmisión DALI
Modo de sincronización solo posible para los LED unicolor
Alimentación a través de línea de bus DALI

RU

Управление с кнопки через DALI
Управление через DALI
Только синхронизированный режим работы
Питание через шину DALI

XAL DALI PUSH BUTTON UNIT 24V DC

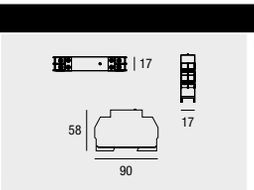
TYPE	L/B/H (MM)	CODE
Push-button | DALI	107/69/18	**002-51016**

DALI POWER SUPPLY 120-240V

TYPE	L/B/H (MM)	CODE
XPS1 200mA	101/51/30	**002-59880**

for ceiling insertion

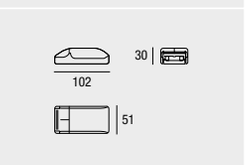
ACCESSORY



DALI POWER SUPPLY 120-240V

TYPE	L/B/H (MM)	CODE
XPS 200mA	17/90/58	**002-59870**

for top-hat-rail mounting



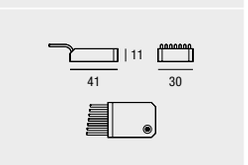
DALI POWER SUPPLY 120-240V

TYPE	L/B/H (MM)	CODE
XPS 200mA	17/90/58	**002-59870**

for top-hat-rail mounting

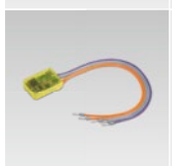
XPS1 200mA	101/51/30	**002-59880**

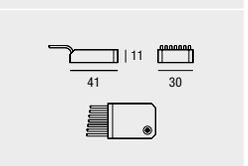
for ceiling insertion



MODULE for control of 2 DALI groups

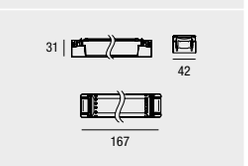
TYPE	L/B/H (MM)	CODE
XGC	41/30/11	**002-54020**





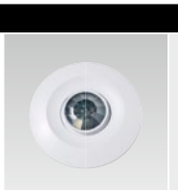
MODULE for control of 4 DALI-scenes

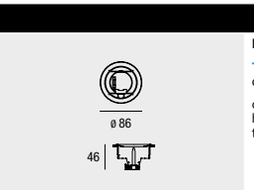
TYPE	L/B/H (MM)	CODE
XSC	41/30/11	**002-54025**



DALI 3M-C 3 CHANNEL RELAIS MODULE

L/B/H (MM)	CODE
167/42/31	**002-54030**

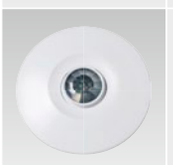


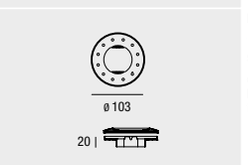


DALI LIGHT SENSOR | MOTION DETECTOR

TYPE	Ø/H (MM)	CODE
ceiling mounted 6mA	86/46	**002-54050**

operating area at 2.5m
height: 5m
tiltable +/-15°

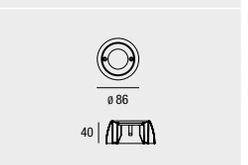




DALI LIGHT SENSOR | MOTION DETECTOR

TYPE	Ø/H (MM)	CODE
socket mounted 6mA	103/20	**002-54052**

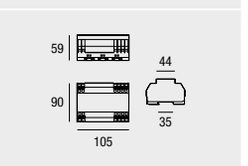
operating area at 2.5m
height: 5m
tiltable +/-15°



DALI LIGHT SENSOR | MOTION DETECTOR

TYPE	Ø/H (MM)	CODE
surface mounted 6mA	86/40	**002-54054**

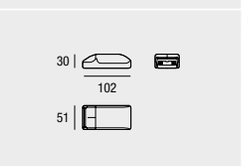
operating area at 2.5m
height: 5m



DALI PCD/S PHASE DIMMER

TYPE	L/B/H (MM)	CODE
1x40-1000VA	105/90/59	**002-54045**

for top-hat-rail mounting



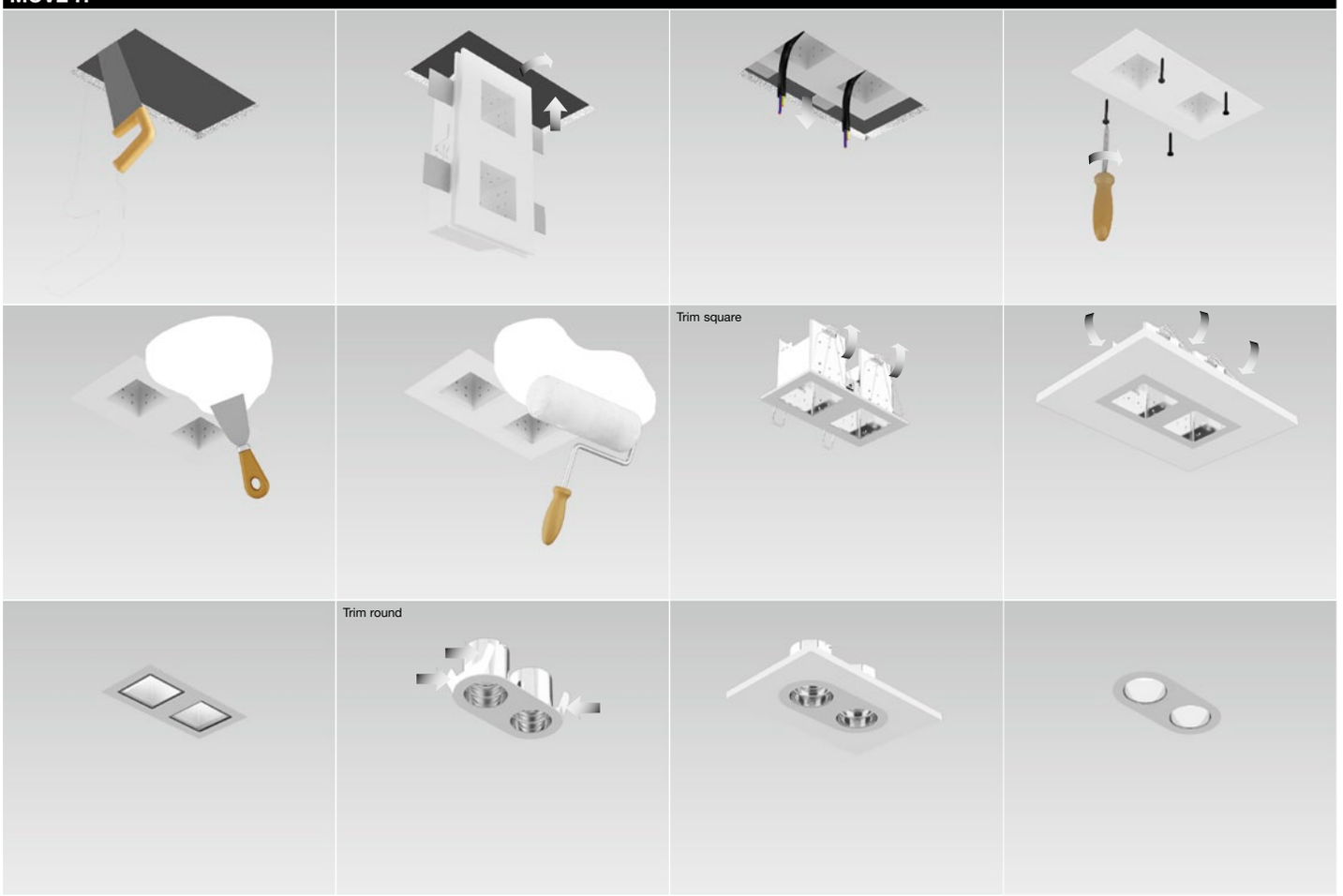
DALI PCD/S PHASE DIMMER

TYPE	L/B/H (MM)	CODE
1x30-300VA	101/51/30	**002-54040**

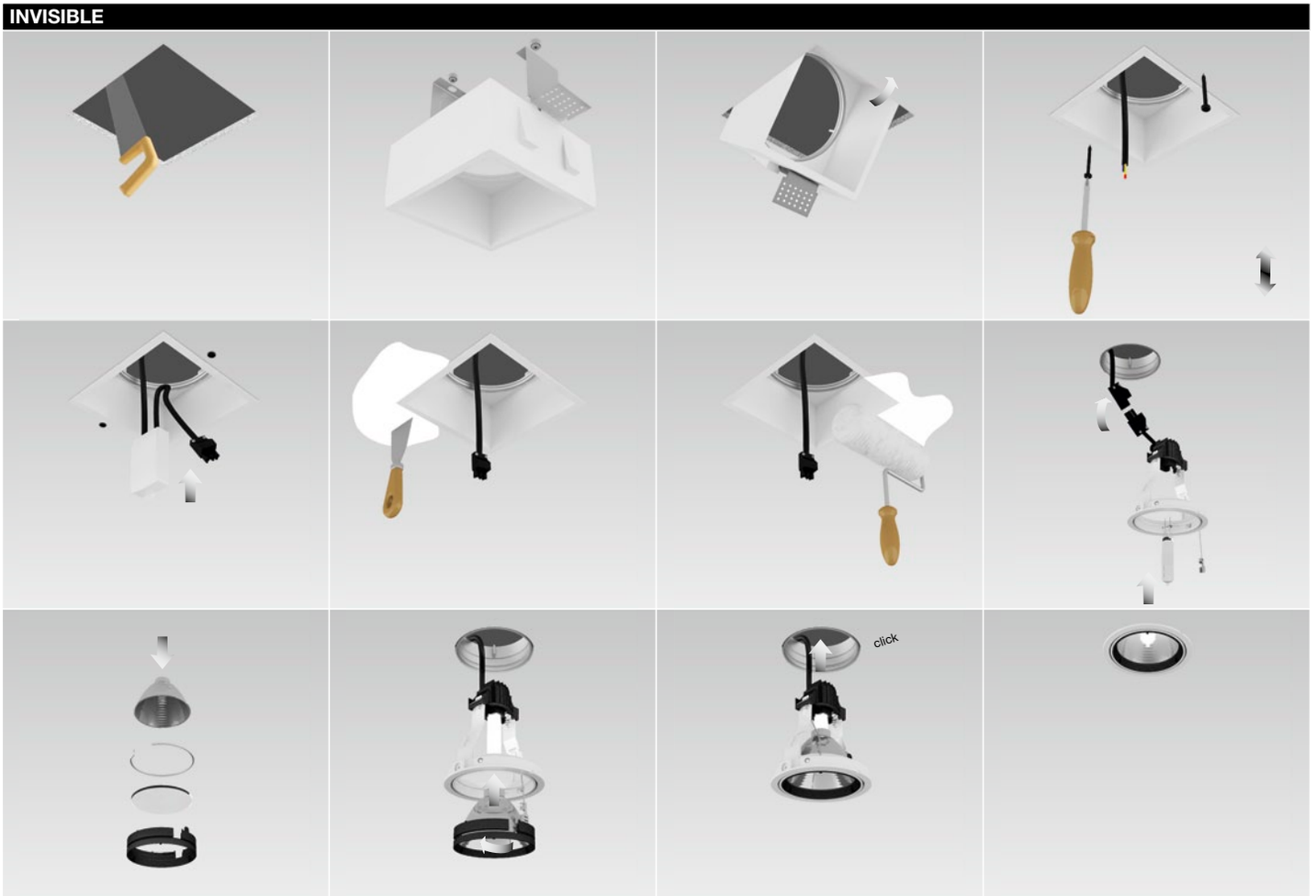
for ceiling insertion

MOUNTING instructions

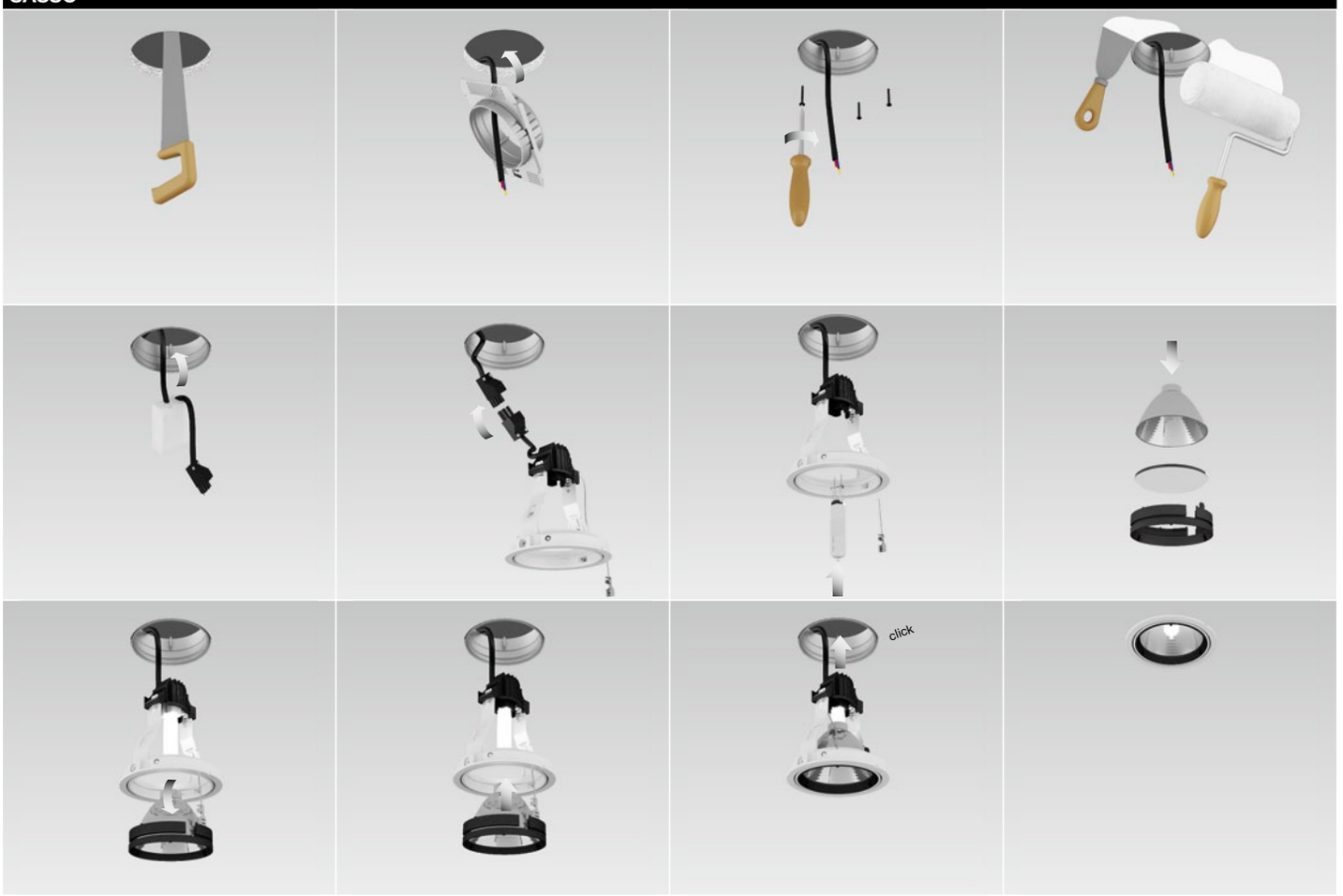
MOVE IT



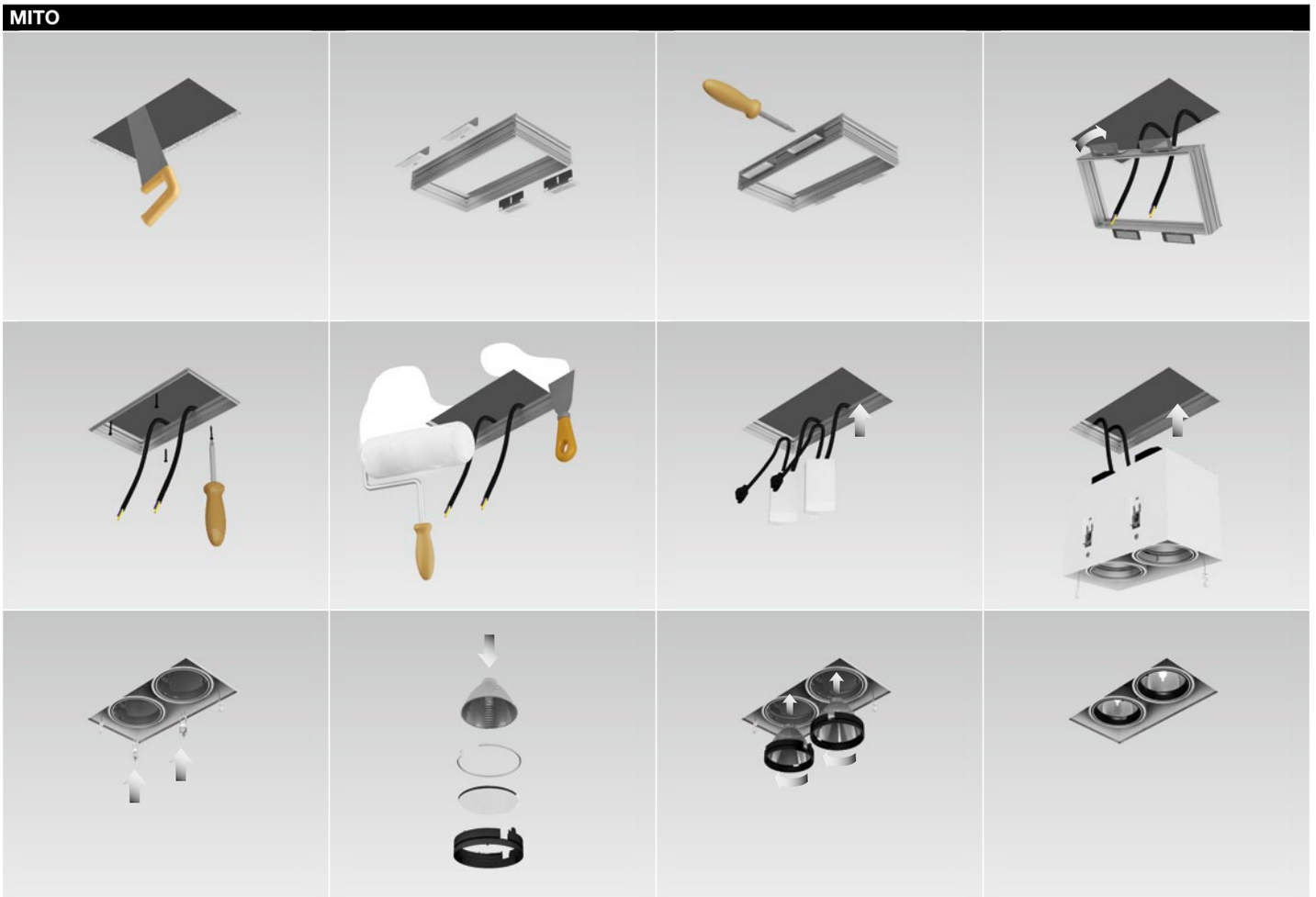
INVISIBLE



SASSO

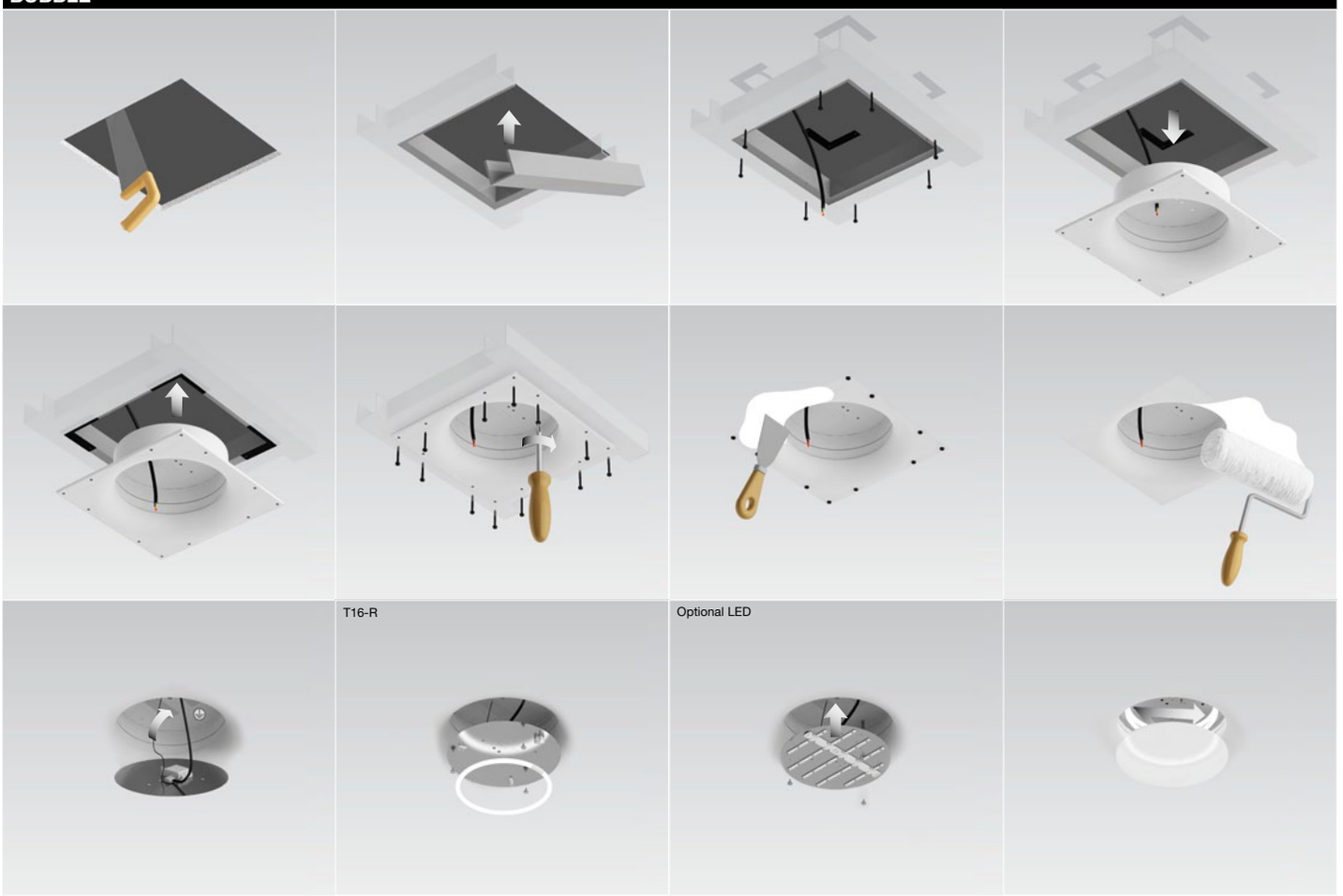


MITO



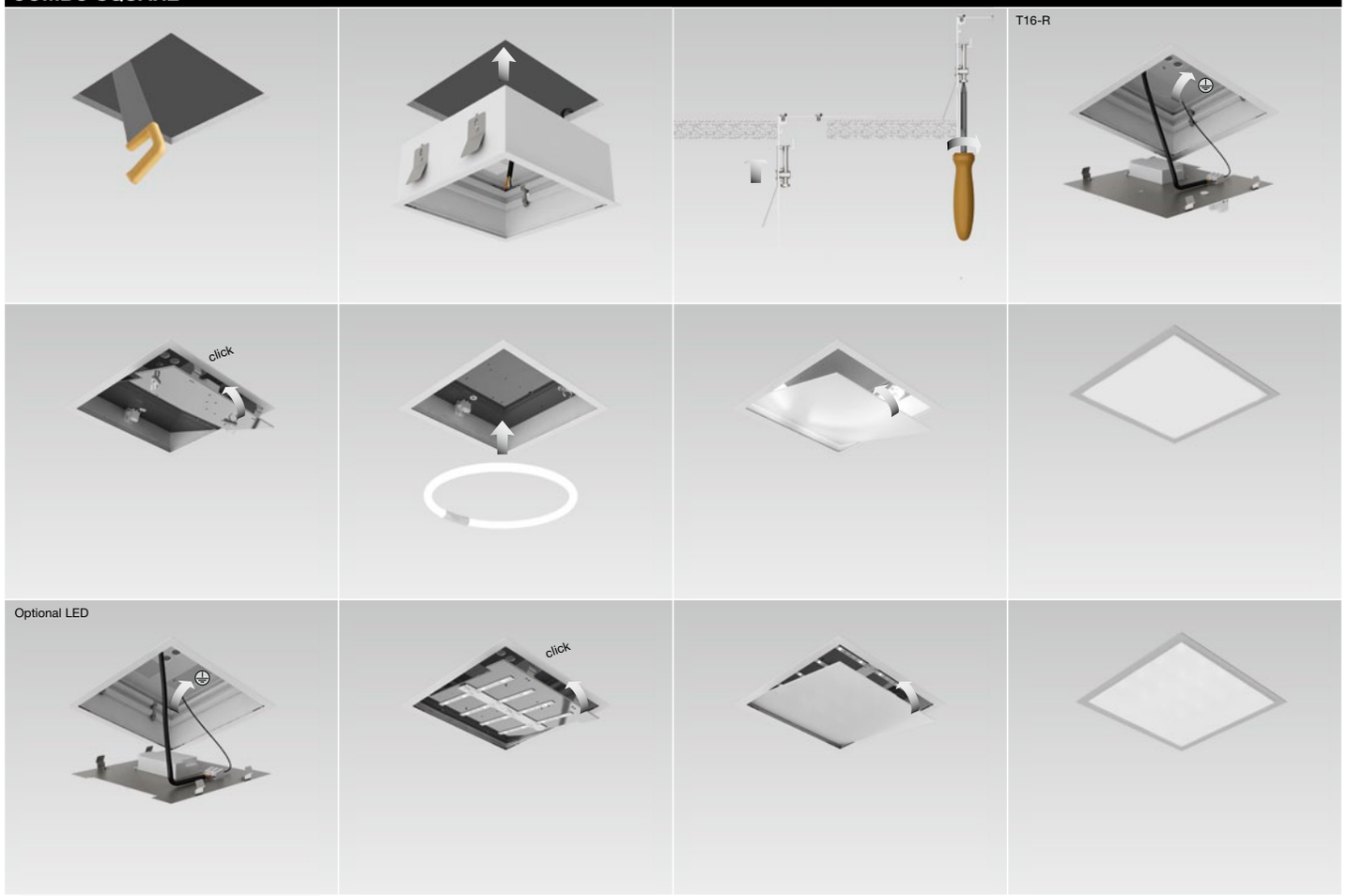
MOUNTING instructions

BUBBLE



MENO ROUND

COMBO SQUARE



LOGGY

OVERVIEW of lamps

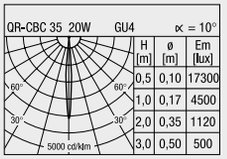
	Rated wattage	Base	Luminious flux	Colour	Colour rendering level	OSRAM	Philips	Sylvania
A60 E27	40W	E27	420lm	w	1A	CLAS A CL/FR 40	40W klar/matt	Normal 40W klar/satin
	60W	E27	710lm	w	1A	CLAS A CL/FR 60	60W klar/matt	Normal 60W klar/satin
	75W	E27	940lm	w	1A	CLAS A CL/FR 75	75W klar/matt	Normal 75W klar/satin
	100W	E27	1360lm	w	1A	CLAS A CL/FR 100	100W klar/matt	Normal 100W klar/satin
	150W	E27	2200lm	w	1A	CLAS A CL/FR 150	150W klar/matt	Normal 150W klar/imatt
R63 E27	25W	E27	k.A.	w	1A	CONC R63 25	R63 Spotline 25W	Refl. 40 W R63
	40W	E27	k.A.	w	1A	CONC R63 40	R63 Spotline 40W	Refl. 60 W R63
	60W	E27	k.A.	w	1A	CONC R63 60	R63 Spotline 60W	-
PAR38 E27	60W	E27	k.A.	w	1A	CONC PAR38 SP/FL 60	ECONOMY PAR 38 60W	PAR38 60W/SP/FL
	80W	E27	k.A.	w	1A	CONC PAR38 SP/FL 80	ECONOMY PAR 38 80W	PAR38 80W/SP/FL
	120W	E27	k.A.	w	1A	CONC PAR38 SP/FL 120	ECONOMY PAR 38 120W	PAR38 120W/SP/FL
QPAR-CB51 GZ10	50W	GZ10	k.A.	w	1A	64826 FL	TWISTline Dichro 50W	HI-SPOT ESD 50 50W
	50W	GU10	k.A.	w	1A	64824 FL	TWISTlince Alu 50W	HI-SPOT ES 50 50W
QPAR-CB64 GZ10	75W	GZ10	k.A.	w	1A	-	-	HI-SPOT ESD 63 75W
	50W	GU10	k.A.	w	1A	-	-	HI-SPOT ES 63 50W
	75W	GU10	k.A.	w	1A	-	-	HI-SPOT ES 63 75W
QPAR20 E27	50W	E27	k.A.	w	1A	64832SP/FL	PAR20 HalogenA 50W	HI-SPOT 63 50W/SP/FL
QPAR30 E27	75W	E27	k.A.	w	1A	64841SP/FL	PAR30S HalogenA PRO 75W	HI-SPOT 95 75W/SP/FL
QT32 E27	60W	E27	820lm	w	1A	64472	D32 HalogenA PRO 60W	-
	75W	E27	1100lm	w	1A	64474	D32 HalogenA PRO 75W	-
	100W	E27	1500lm	w	1A	64476	D32 HalogenA PRO 100W	100W DLX/T Röhre Klar
	150W	E27	2500lm	w	1A	64478	D32 HalogenA PRO 150W	150W DLX/T Röhre Klar
QT48 E27	60W	E27	840lm	w	1A	64472 BT	BTT 46 HalogenA PRO 60W	60W DLX/BTT Klar
	100W	E27	1600lm	w	1A	64476 BT	BTT 46 HalogenA PRO 100W	100W DLX/BTT Klar
	150W	E27	2550lm	w	1A	64478 BT	BTT 46 HalogenA PRO 150W	150W DLX/BTT Klar
QT18 B15d	60W	B15d	820lm	w	1A	64469	-	-
	75W	B15d	1100lm	w	1A	64473	CAPSULEline PRO MV 75W	-
	100W	B15d	1500lm	w	1A	64475	CAPSULEline PRO MV 100W	-
	150W	B15d	2500lm	w	1A	64471	CAPSULEline PRO MV 150W	-
QT14 G9	25W	G9	260lm	w	1A	66625	CLICKline 25W	-
	40W	G9	490lm	w	1A	66640	CLICKline 40W	-
	60W	G9	820lm	w	1A	66660	CLICKline 60W	-
	75W	G9	1100lm	w	1A	66675	CLICKline 75W	-
QT-DE11/12 R7s	60W	R7s	840lm	w	1A	64688	PLUSline PRO Compact 60W	Halogenstab 240V 60W 74,9 mm
	100W	R7s	1600lm	w	1A	64690	PLUSline PRO Compact 100W	Halogenstab 240V 100W 74,9 mm
	150W	R7s	2500lm	w	1A	64695	PLUSline PRO Small 150W	Halogenstab 240V 150W 74,9 mm
	150W	R7s	2200lm	w	1A	64696	PLUSline PRO Compact 150W	Halogenstab 240V 150W 114,2 mm
	200W	R7s	3200lm		1A	64698	PLUSline PRO Compact 200W	Halogenstab 240V 200W 114,2 mm
QT9-LP G4	5W	G4	60lm	w	1A	64405S	CAPSULEline PRO Standard 5W	Niederdruck 12V/5W
	10W	G4	140/130lm	w	1A	64415/S	CAPSULEline PRO Super 10W	Niederdruck/Axial 12V/10W
	20W	G4	320lm	w	1A	64425/S	CAPSULEline PRO Super 20W	Niederdruck/Axial 12V/20W
QT12-LP GY6,35	20W	GY6,35	320lm	w	1A	64427S	CAPSULEline PRO Super 20W	Niederdruck/Axial 12V/20W
	35W	GY6,35	600lm	w	1A	64432/S	CAPSULEline PRO Super 35W	Niederdruck/Axial 12V/35W
	35W	GY6,35	900lm	w	1A	64432IRC	-	-
	50W	GY6,35	900lm	w	1A	64440/S	CAPSULEline PRO Super 50W	Niederdruck/Axial 12V/50W
	50W	GY6,35	910lm	w	1A	64440IRC	-	-
	65W	GY6,35	1800lm	w	1A	64447IRC	-	-
	75W	GY6,35	1450lm	w	1A	64450S	CAPSULEline PRO Super 75W	Axial 12V/75W
	90W	GY6,35	1800lm	w	1A	64458S	-	-
	100W	GY6,35	2550lm	w	1A	-	CAPSULEline PRO Super 100W	Axial 12V/100W
QR-CBC35 GU4	20W	GU4	k.A.	w	1A	44890SP/WFL	BRILLIANTline PRO 20W	Superia 35 FTB/FTD 20W
	35W	GU4	k.A.	w	1A	44892SP/WFL	BRILLIANTline PRO 35W	Superia 35 FTE/FTH 35W
QR-CBC51 GU5,3	20W	GU5,3	k.A.	w	1A	44860SP/WFL	BRILLIANTline PRO 20W	Superia 50 ESX/BAB 20W
	35W	GU5,3	k.A	w	1A	44865SP/WFL	BRILLIANTline PRO 35W	Superia 50 FMT/FMW 35W
	50W	GU5,3	k.A.	w	1A	44870SP/WFL	BRILLIANTline PRO 50W	Superia 50 EXT/EXZ/EXN/FNV 50W
QR-LP51 GU5,3	20W	GU5,3	k.A.	w	1A	41861/WFL	-	-
	35W	GU5,3	k.A.	w	1A	41866/WFL	-	-
	50W	GU5,3	k.A.	w	1A	41871/WFL	-	-
QR-LP70 BA15d	35W	G53	k.A.	w	1A	41832SSP/FL	-	-
	35W	G53	k.A.	w	1A	48832SP/FL IRC	-	-
	50W	G53	k.A.	w	1A	41835SSP/SP/FL	ALUline PRO Spot/Floot	-
	50W	G53	k.A.	w	1A	48835SP/FL IRC	-	-
	75W	G53	k.A.	w	1A	41840SP/FL/WFL	ALUline PRO Spot/Floot	-
	100W	G53	k.A.	w	1A	41850SP/FL/WFL	ALUline PRO Spot/Floot	-
T16 G5	14W	G5	1100lm	d	1B	FH14W/860	TL5 HE 14W/850	FHE 14W/860
	14W	G5	1200lm	c,w,i	1B	FH14W/8...	TL5 HE 14W/8...	FHE 14W/8...
	21W	G5	1750lm	d	1B	FH21W/860	-	FHE 21W/860
	21W	G5	1900lm	c,w,i	1B	FH21W/8...	TL5 HE 21W/8...	FHE 21W/8...
	24W	G5	1600lm	d	1B	FQ24W/860	TL5 HO 24W/850	FHO 24W/860
	24W	G5	1750lm	c,w,i	1B	FQ24W/8...	TL5 HO 24W/8...	FHO 24W/8...
	28W	G5	2400lm	d	1B	FH28W/860	TL5 HE 28W/850	FHE 28W/860
	28W	G5	2600lm	c,w,i	1B	FH28W/8...	TL5 HE 28W/8..	FHE 28W/8...
	35W	G5	3050lm	d	1B	FH35W/860	-	FHE 35W/860
	35W	G5	3300lm	c,w,i	1B	FH35W/8...	TL5 HE 35W/8..	FHE 35W/8...
	39W	G5	2850lm	d	1B	FQ39W/860	-	FHO 39W/860
	39W	G5	3100lm	c,w,i	1B	FQ39W/8...	TL5 HO 39W/8..	FHO 39W/8...
	49W	G5	4300lm	c,w,i	1B	FQ49W/8...	TL5 HO 49W/8...	FHO 49W/8...
	54W	G5	4050lm	d	1B	FQ54W/860	TL5 HO 54W/850	FHO 54W/860
	54W	G5	4450lm	c,w,i	1B	FQ54 W/8..	TL5 HO 54 W/8...	FHO 54W/8...
	80W	G5	5700lm	d	1B	FQ80W/860	-	-
	80W	G5	6150lm	c,w,i	1B	FQ80 W/8..	TL5 HO 80 W/8...	-
T16-R 2GX13	22W	2GX13	1800lm	d,c,w,i	1B	FC 22W/8...	TL5-C 22W/8...	-
	40W	2GX13	3200lm	d,c,w,i	1B	FC 40W/8...	TL5-C 40W/8...	-
	55W	2GX13	4200lm	d,c,w,i	1B	FC 55W/8...	TL5-C 55W/8...	-
	60W	2GX13	5200lm	d,c,w,i	1B	FC 60W/8...	TL5-C 60W/8...	-
TC-D G24d-...	10W	G24d-1	600	c,w,i	1B	DULUX D 10 W/8..	PL-C 10W/8.../2P	Lynx-D 10W/8...
	13W	G24d-1	900	c,w,i	1B	DULUX D 13 W/8..	PL-C 13W/8.../2P	Lynx-D 13W/8...
	18W	G24d-2	1200	c,w,i	1B	DULUX D 18 W/8..	PL-C 18W/8.../2P	Lynx-D 18W/8...
	26W	G24d-3	1800	c,w,i	1B	DULUX D 26 W/8..	PL-C 26W/8.../2P	Lynx-D 26W/8...
TC-T GX24d-...	13W	GX24d-1	900	c,w,i	1B	DULUX T 13 W/8..	-	-
	18W	GX24d-2	1200	c,w,i	1B	DULUX T 18 W/8..	PL-T 18W/8.../2P	Lynx-T 18W/8...
	26W	GX24d-3	1800	c,w,i	1B	DULUX T 26 W/8..	PL-T 26W/8.../2P	Lynx-T 26W/8...

	Rated wattage	Base	Luminous flux	Colour	Colour rendering level	OSRAM	Philips	Sylvania
TC-D G24d-...	10W	G24q-1	600	c,w,i	1B	DULUX D/E 10 W/8..	PL-C 10W/8.../4P	Lynx-DE 10W/8...
	13W	G24q-1	900	c,w,i	1B	DULUX D/E 13 W/8..	PL-C 13W/8.../4P	Lynx-DE 13W/8...
	18W	G24q-2	1200	c,w,i	1B	DULUX D/E 18 W/8..	PL-C 18W/8.../4P	Lynx-DE 18W/8...
	26W	G24q-3	1800	c,w,i	1B	DULUX D/E 26 W/8..	PL-C 26W/8.../4P	Lynx-DE 26W/8...
TC-TEL GX24q-...	13W	GX24q-1	900	c,w,i	1B	DULUX T/E 13 W/8..	-	-
	18W	GX24q-2	1200	c,w,i	1B	DULUX T/E 18 W/8..	PL -T 18W/8...4P	Lynx-TE 18W/8...
	26W	GX24q-3	1800	c,w,i	1B	DULUX T/E 26 W/8..	PL -T 26W/8...4P	Lynx-TE 26W/8...
	32W	GX24q-3	2400	c,w,i	1B	DULUX T/E 32 W/8..	PL -T 32W/8...4P	Lynx-TE 32W/8...
	42W	GX24q-4	3200	c,w,i	1B	DULUX T/E 42 W/8..	PL -T 42W/8...4P	Lynx-TE 42W/8...
TC-TELI GX24q-...	18W	GX24q-2	1200	c,w,i	1B	DULUX T/E 18 W/8.. IN	-	-
	26W	GX24q-3	1800	c,w,i	1B	DULUX T/E 26 W/8.. IN	-	-
	32W	GX24q-3	2400	c,w,i	1B	DULUX T/E 32 W/8.. IN	-	-
	42W	GX24q-4	3200	c,w,i	1B	DULUX T/E 42 W/8.. IN	-	-
	57W	GX24q-5	4300	c,w,i	1B	DULUX T/E 57 W/8.. IN	-	-
TC-TELI 2G8	60W	2G8	4000	c,w	1B	-	PL-H 60W/8.../4P A	-
	85W	2G8	6000	c,w	1B	-	PL-H 85W/8.../4P A	-
	120W	2G8	9000	c,w	1B	-	PL-H 120W/8.../4P A	-
TC-TSE E27	15W	E27	900	d,c,i	1B	DULUX EL LL 15 W/8... E27	PL Electronic 15W WW	Mini-Lynx T 15W/E27/8...
	20W	E27	1200	d,c,i	1B	DULUX EL LL 20 W/8... E27	PL Electronic 20W WW	Mini-Lynx T 20W/E27/8...
	23W	E27	1500	d,c,i	1B	DULUX EL LL 23 W/8... E27	PL Electronic 23W WW	Mini-Lynx T 23W/E27/8...
TC-L 2G11	18W	2G11	1200	c,w,i	1B	DULUX L 18 W/8...	PL-L 18W/8.../4P	Lynx-L 18W/8...
	24W	2G11	1800	c,w,i	1B	DULUX L 24 W/8...	PL-L 24W/8.../4P	Lynx-L 24W/8...
	36W	2G11	2750	d	1B	DULUX L 36 W/860	PL-L 36W/950/4P	Lynx-L 36W/860
	36W	2G11	2900	c,w,i	1B	DULUX L 36 W/8...	PL-L 36W/8.../4P	Lynx-L 36W/8...
	40W	2G11	3325	d	1B	DULUX L 40 W/860	-	Lynx-LE 40W/860
	40W	2G11	3500	c,w,i	1B	DULUX L 40 W/8...	PL-L 40W/8.../4P	Lynx-LE 40W/8...
	55W	2G11	4550	d	1B	DULUX L 55 W/860	PL-L 55W/950/4P	Lynx-LE 55W/860
	55W	2G11	4800	c,w,i	1B	DULUX L 55 W/8...	PL-L 55W/8.../4P	Lynx-LE 55W/8...
	80W	2G11	6000	c,w	1B	DULUX L 80 W/8...	PL-L 80W/8.../4P	-
TC-F 2G10	18W	2G10	1100	c,w,i	1B	DULUX F 18 W/8...	-	Lynx-F 18W/8...
	24W	2G10	1700	c,w,i	1B	DULUX F 24 W/8...	-	Lynx-F 24W/8...
	36W	2G10	2800	c,w,i	1B	DULUX F 36 W/8...	-	Lynx-F 36W/8...
Micro Lynx GX53	7W	GX53	220	c,w	1B	-	-	Micro-Lynx F 7W/8...
HIE E27	70W	E27	5900	w	1B	-	CDM-ET 70W/830	-
	100W	E40	8200	w	1B	-	CDM-ET 100W/830	-
	150W	E40	13000	w	1B	-	CDM-ET 150W/830	-
	250W	E40	24500	w	2A	HCI-E 250/WDL	-	-
	250W	E40	19000	d	2A	HQI-E 250/D	-	-
HIE-P E27	70W	E27	4900	w	1B	HQI-E70/WDL	-	-
	70W	E27	4900	n	1B	HQI-E70/NDL	-	-
	70W	E27	5600	n	1B	HCI-E/P 70/NDL	-	HSI-MP 4K 70W NDL E27
	70W	E27	5700	w	1B	HCI-E/P 70/WDL	-	HSI-MP 3K 70W WDL E27
	100W	E27	8000	w	1B	HQI-E100/WDL	-	-
	100W	E27	7300	n	1B	HQI-E100/NDL	-	-
	100W	E27	8600	w	1B	HCI-E/P 100/WDL	-	HSI-MP 4K/3K 100W NDL/WDL E27
	150W	E27	12000	w	1B	HQI-E150/WDL	-	-
	150W	E27	10500	n	1B	HQI-E150/NDL	-	-
	150W	E27	12000	n	1B	HCI-E/P 150/NDL	-	HSI-MP 4K 150W NDL E27
	150W	E27	12500	w	1B	HCI-E/P 150/WDL	-	HSI-MP 3K 150W WDL E27
	250W	E40	17000	d	2A	HQI-E/P 250/D	-	-
HIPAR51 GX10	20W	GX10	-	w	1B	-	CDM-RM 20W/830	-
	35W	GX10	-	w	1B	-	-	BriteSpot ES 50
HIR-CE111 GX8,5	20W	GX8,5	-	w	1B	HCI-R111 20W/830 WDL	CDM-R111 20W/830	-
	35W	GX8,5	-	w	1B	-	CDM-R111 35W/830	-
	35W	GX8,5	-	n	1A	-	CDM-R111 35W/942	-
	70W	GX8,5	-	w	1B	-	CDM-R111 70W/830	-
	70W	GX8,5	-	n	1A	-	CDM-R111 70W/942	-
HIT-TC-CE PGJ5	20W	PGJ5	1650	w	1B	-	CDM-Tm 20W/830	-
	35W	PGJ5	3000	w	1B	-	CDM-Tm 35W/930	-
HIT-TC-CE GU6,5	20W	GU6,5	1700	w	1B	HCI-TF 20/830 WDL	-	-
	35W	GU6,5	3400	w	1B	HCI-TF 35/830 WDL	-	-
HIT-TC-CE G8,5	20W	G8,5	1700	w	1B	HCI-TC 20/WDL	CDM-TC 20W/830	CMI-TC 20W/WDL UVS
	35W	G8,5	3500	w	1B	HCI-TC 35/WDL	CDM-TC 35W/830	CMI-TC 35W/WDL UVS
	35W	G8,5	3400	n	1A	HCI-TC 35/NDL	CDM-TC 35W/942	CMI-TC 35W/NDL UVS
	50W	G8,5	5400	w	1B	HCI-TC 50/WDL	CDM-TC 50W/830	CMI-TC 50W/WDL UVS
	70W	G8,5	6900	w	1B	HCI-TC 70/WDL	CDM-TC 70W/830	CMI-TC 70W/WDL UVS
	70W	G8,5	6600	n	1B	HCI-TC 70/NDL	-	-
HIT-CE G12	20W	G12	1650	w	1B	HCI-T 20/WDL	CDM-T 20W/830	CMI-T 20W/WDL UVS
	35W	G12	3600	w	1B	HCI-T 35/WDL	CDM-T 35W/830	CMI-T 35W/WDL UVS
	35W	G12	3500	n	1A	HCI-T 35/NDL	CDM-T 35W/942	CMI-T 35W/NDL UVS
	50W	G12	5400	w	1B	HCI-T 50/WDL	CDM-T 50W/830	CMI-T 50W/WDL UVS
	70W	G12	7300	w	1B	HCI-T 70/WDL	CDM-T 70W/830	CMI-T 70W/WDL UVS
	70W	G12	6800	n	1A	HCI-T 70/NDL	CDM-T 70W/942	CMI-T 70W/NDL UVS
	100W	G12	9500	w	1B	HCI-T 100/WDL	CDM-T 100W/830	CMI-T 100W/WDL UVS
	100W	G12	9300	n	1A	HCI-T 100/NDL	CDM-T 100W/942	CMI-T 100W/NDL UVS
	150W	G12	15000	w	1B	HCI-T 150/WDL	CDM-T 150W/830	CMI-T 150W/WDL UVS
	150W	G12	14500	n	1A	HCI-T 150/NDL	CDM-T 150W/942	CMI-T 150W/NDL UVS
HIT-DE RX7s	70W	RX7s	5000	d	1B	HQI-TS 70/D UVS	-	HSI-TD 70W/D 5K UVS
	70W	RX7s	5500	n	1B	HQI-TS 70/NDL UVS	MHN-TD 70W	HSI-TD 70W/NDL 4K UVS
	70W	RX7s	5000	w	1B	HQI-TS 70/WDL UVS	MHW-TD 70W	HSI-TD 70W/WDL 3K UVS
	150W	RX7s-24	11000	d	1B	HQI-TS 150/D UVS	-	HSI-TD 150W/D 5K UVS
	150W	RX7s-24	11250	n	1B	HQI-TS 150/NDL UVS	MHN-TD 150W	HSI-TD 150W/NDL 4K UVS
	150W	RX7s-24	11000	w	1B	HQI-TS 150/WDL UVS	MHW-TD 150W	HSI-TD 150W/WDL 3K UVS
HIT-DE Fc2	250W	Fc2	20000	d	1B	HQI-TS 250/D UVS	-	HSI-TD 250W/D 5K UVS
	250W	Fc2	20000	n	1B	HQI-TS 250/NDL UVS	MHN-TD 250W	HSI-TD 250W/NDL 4K UVS
	250W	Fc2	22000	w	1B	HQI-TS 250/WDL UVS	-	HSI-TD 250W/WDL 3K UVS
HIT-DE-CE RX7s	70W	RX7s	6500	w	1B	HCI-TS 70/WDL	CDM-TD 70W/830	CMI-TD 70W/WDL UVS
	70W	RX7s	5700	n	1A	HCI-TS 70/NDL	CDM-TD 70W/942	CMI-TD 70W/NDL UVS
	150W	RX7s-24	13500	w	1B	HCI-TS 150/WDL	CDM-TD 150W/830	CMI-TD 150W/WDL UVS
	150W	RX7s-24	13400	n	1A	HCI-TS 150/NDL	CDM-TD 150W/942	CMI-TD 150W/NDL UVS
HIT-DE-CE Fc2	250W	Fc2	24200	w	1B	HCI-TS 250/WDL	-	-
HSE E27	50W	E27	3500	w	4	NAV-E 50/E	SON PRO 50W	SHP-S 50W/CO-E
	70W	E27	5600	w	4	NAV-E 70/E	SON PRO 70W	SHP-S 70W/CO-E
	150W	E40	14000	w	4	NAV-E 150	SON PRO 150W	SHP-S 100W
	250W	E40	25000	w	4	NAV-E 250	SON PRO 250W	SHP-S 150W
HST-CRI GX12	50W	GX12	2400	w	1B	-	Mini WhiteSON SDW-TG 50W	-
	100W	GX12	4900	w	1B	-	Mini WhiteSON SDW-TG 100W	-

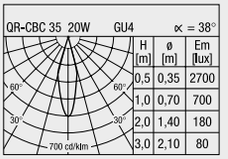
OVERVIEW lamps

QR-CBC35 GU4 20W | 35W

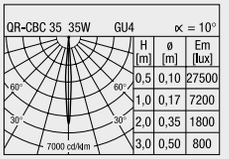
QR-CBC35 GU4



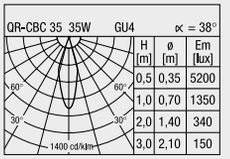
H [m]	ø [m]	Em [lux]
0,5	0,10	17300
1,0	0,17	4500
2,0	0,35	1120
3,0	0,50	500



H [m]	ø [m]	Em [lux]
0,5	0,35	2700
1,0	0,70	700
2,0	1,40	180
3,0	2,10	80



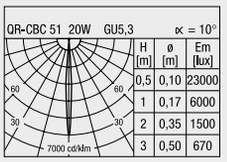
H [m]	ø [m]	Em [lux]
0,5	0,10	27500
1,0	0,17	7200
2,0	0,35	1800
3,0	0,50	800



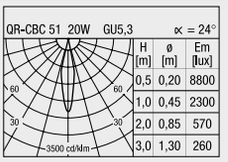
H [m]	ø [m]	Em [lux]
0,5	0,35	5200
1,0	0,70	1350
2,0	1,40	340
3,0	2,10	150

QR-CBC51 GU5,3 20W

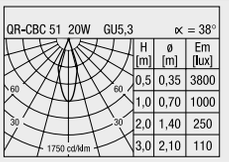
QR-CBC51 GU5,3



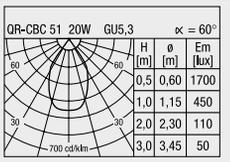
H [m]	ø [m]	Em [lux]
0,5	0,10	23000
1	0,17	6000
2	0,35	1500
3	0,50	670



H [m]	ø [m]	Em [lux]
0,5	0,20	8800
1,0	0,45	2300
2,0	0,85	570
3,0	1,30	260



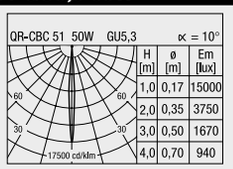
H [m]	ø [m]	Em [lux]
0,5	0,35	3800
1,0	0,70	1000
2,0	1,40	250
3,0	2,10	110



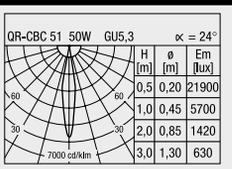
H [m]	ø [m]	Em [lux]
0,5	0,60	1700
1,0	1,15	450
2,0	2,30	110
3,0	3,45	50

QR-CBC51 GU5,3 35W

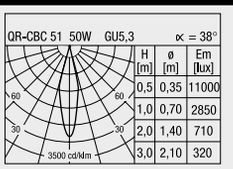
QR-CBC51 GU5,3



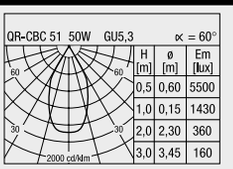
H [m]	ø [m]	Em [lux]
1,0	0,17	15000
2,0	0,35	3750
3,0	0,50	1670
4,0	0,70	940



H [m]	ø [m]	Em [lux]
0,5	0,20	21900
1,0	0,45	5700
2,0	0,85	1420
3,0	1,30	630



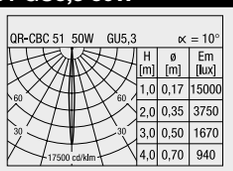
H [m]	ø [m]	Em [lux]
0,5	0,35	11000
1,0	0,70	2850
2,0	1,40	710
3,0	2,10	320



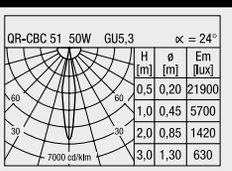
H [m]	ø [m]	Em [lux]
0,5	0,60	5500
1,0	0,15	1430
2,0	2,30	360
3,0	3,45	160

QR-CBC51 GU5,3 50W

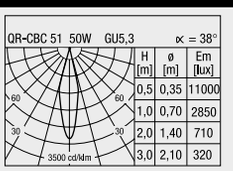
QR-CBC51 GU5,3



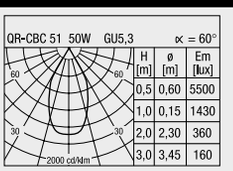
H [m]	ø [m]	Em [lux]
1,0	0,17	15000
2,0	0,35	3750
3,0	0,50	1670
4,0	0,70	940



H [m]	ø [m]	Em [lux]
0,5	0,20	21900
1,0	0,45	5700
2,0	0,85	1420
3,0	1,30	630



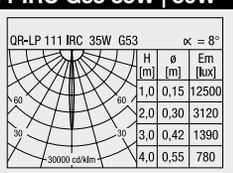
H [m]	ø [m]	Em [lux]
0,5	0,35	11000
1,0	0,70	2850
2,0	1,40	710
3,0	2,10	320



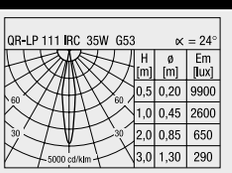
H [m]	ø [m]	Em [lux]
0,5	0,60	5500
1,0	0,15	1430
2,0	2,30	360
3,0	3,45	160

QR-LP 111 IRC G53 35W | 50W

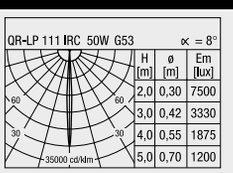
QR-LP 111 G53



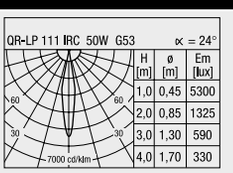
H [m]	ø [m]	Em [lux]
1,0	0,15	12500
2,0	0,30	3120
3,0	0,42	1390
4,0	0,55	780



H [m]	ø [m]	Em [lux]
0,5	0,20	9900
1,0	0,45	2600
2,0	0,85	650
3,0	1,30	290



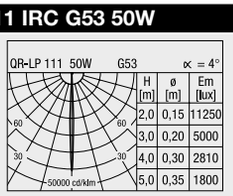
H [m]	ø [m]	Em [lux]
2,0	0,30	7500
3,0	0,42	3330
4,0	0,55	1875
5,0	0,70	1200



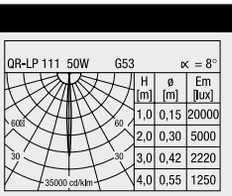
H [m]	ø [m]	Em [lux]
1,0	0,45	5300
2,0	0,85	1325
3,0	1,30	590
4,0	1,70	330

QR-LP 111 IRC G53 50W

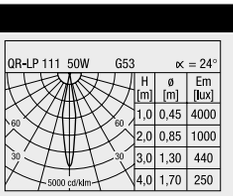
QR-LP 111 G53



H [m]	ø [m]	Em [lux]
2,0	0,15	11250
3,0	0,20	5000
4,0	0,30	2810
5,0	0,35	1800



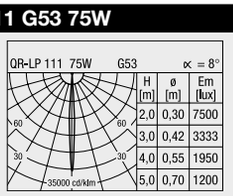
H [m]	ø [m]	Em [lux]
1,0	0,15	20000
2,0	0,30	5000
3,0	0,42	2220
4,0	0,55	1250



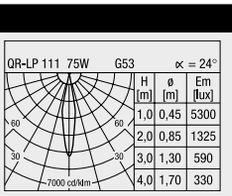
H [m]	ø [m]	Em [lux]
1,0	0,45	4000
2,0	0,85	1000
3,0	1,30	440
4,0	1,70	250

QR-LP 111 G53 75W

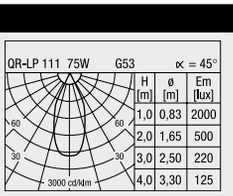
QR-LP 111 G53



H [m]	ø [m]	Em [lux]
2,0	0,30	7500
3,0	0,42	3333
4,0	0,55	1950
5,0	0,70	1200



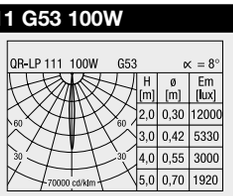
H [m]	ø [m]	Em [lux]
1,0	0,45	5300
2,0	0,85	1325
3,0	1,30	590
4,0	1,70	330



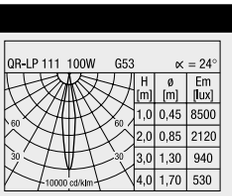
H [m]	ø [m]	Em [lux]
1,0	0,83	2000
2,0	1,65	500
3,0	2,50	220
4,0	3,30	125

QR-LP 111 G53 100W

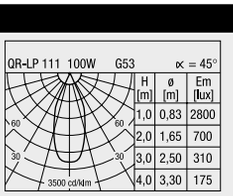
QR-LP 111 G53



H [m]	ø [m]	Em [lux]
2,0	0,30	12000
3,0	0,42	5330
4,0	0,55	3000
5,0	0,70	1920



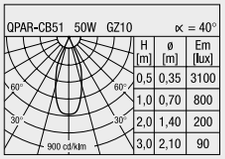
H [m]	ø [m]	Em [lux]
1,0	0,45	8500
2,0	0,85	2120
3,0	1,30	940
4,0	1,70	530



H [m]	ø [m]	Em [lux]
1,0	0,83	2800
2,0	1,65	700
3,0	2,50	310
4,0	3,30	175

QPAR-CB51 GZ10 50W

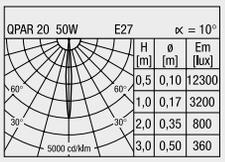
QPAR-CB51 GZ10



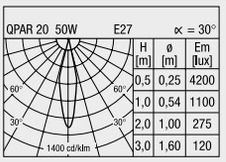
H [m]	ø [m]	Em [lux]
0,5	0,35	3100
1,0	0,70	800
2,0	1,40	200
3,0	2,10	90

QPAR20 E27 50W

QPAR20 E27



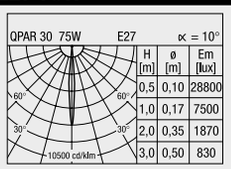
H [m]	ø [m]	Em [lux]
0,5	0,10	12300
1,0	0,17	3200
2,0	0,35	800
3,0	0,50	360



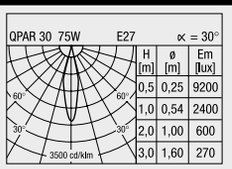
H [m]	ø [m]	Em [lux]
0,5	0,25	4200
1,0	0,54	1100
2,0	1,00	275
3,0	1,60	120

QPAR30 E27 75W

QPAR30 E27



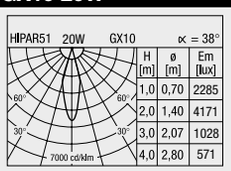
H [m]	ø [m]	Em [lux]
0,5	0,10	28800
1,0	0,17	7500
2,0	0,35	1870
3,0	0,50	830



H [m]	ø [m]	Em [lux]
0,5	0,25	9200
1,0	0,54	2400
2,0	1,00	600
3,0	1,60	270

HIPAR51 GX10 20W

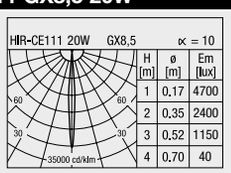
HIPAR51 GX10



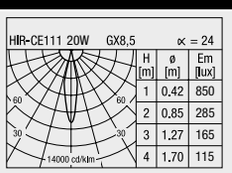
H [m]	ø [m]	Em [lux]
1,0	0,70	2285
2,0	1,40	4171
3,0	2,07	1028
4,0	2,80	571

HIR-CE111 GX8,5 20W

HIR-CE111 GX8,5



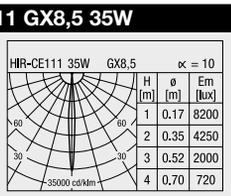
H [m]	ø [m]	Em [lux]
1	0,17	4700
2	0,35	2400
3	0,52	1150
4	0,70	40



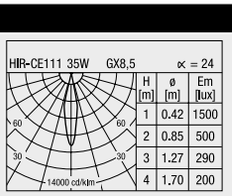
H [m]	ø [m]	Em [lux]
1	0,42	850
2	0,85	285
3	1,27	165
4	1,70	115

HIR-CE111 GX8,5 35W

HIR-CE111 GX8,5



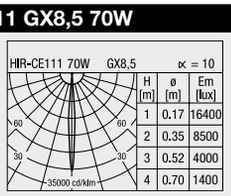
H [m]	ø [m]	Em [lux]
1	0,17	8200
2	0,35	4250
3	0,52	2000
4	0,70	720



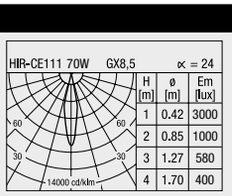
H [m]	ø [m]	Em [lux]
1	0,42	1500
2	0,85	500
3	1,27	290
4	1,70	200

HIR-CE111 GX8,5 70W

HIR-CE111 GX8,5



H [m]	ø [m]	Em [lux]
1	0,17	16400
2	0,35	8500
3	0,52	4000
4	0,70	1400



H [m]	ø [m]	Em [lux]
1	0,42	3000
2	0,85	1000
3	1,27	580
4	1,70	400

OVERVIEW reflectors

Ø 50

INVISIBLE ROUND 80	INVISIBLE RETRO 80	INVISIBLE SQUARE 80	BUBBLE 80	SASSO 80 K	SASSO 80 S	SASSO 80 K OFFSET	CLAX 80 K
							

e² LED

DM 50 Medium
LED 7W
η= 91%
α= 24°

H [m]	ø [m]	Em [lux]
0,5	0,24	2430
1	0,48	610
2	0,97	150
3	1,45	70

2630 cd/klm

DM 50 Flood
LED 7W
η= 91%
α= 38°

H [m]	ø [m]	Em [lux]
0,5	0,36	1640
1	0,72	410
2	1,43	100
3	2,15	50

1412 cd/klm

e² LED

DM 50 Medium
LED 9W
η= 91%
α= 24°

H [m]	ø [m]	Em [lux]
0,5	0,24	3240
1	0,48	810
2	0,97	200
3	1,45	90

2630 cd/klm

DM 50 Flood
LED 9W
η= 91%
α= 38°

H [m]	ø [m]	Em [lux]
0,5	0,36	2160
1	0,72	540
2	1,43	140
3	2,15	63

1412 cd/klm

e² LED

DM 50 Flood
LED 15W
η= 91%
α= 38°

H [m]	ø [m]	Em [lux]
0,5	0,36	3800
1	0,72	950
2	1,43	240
3	2,15	110

1679 cd/klm

Ø 70

STRAIGHT


QT12-LP
GY6,35

DM 70 Spot
QT12-LP 50W GY6,35
η : 75%
α = 18°

H [m]	ø [m]	Em [lux]
0,5	0,32	8700
1,0	0,63	2100
2,0	0,95	510
3,0	1,27	210

7000 cd/klm

DM 70 Flood
QT12-LP 50W GY6,35
η : 75%
α = 36°

H [m]	ø [m]	Em [lux]
0,5	0,65	2100
1,0	1,30	470
2,0	1,95	110
3,0	2,60	50

1400 cd/klm

Ø 75

INVISIBLE ROUND 100	INVISIBLE RETRO 100	INVISIBLE SQUARE 100	BUBBLE 100	SASSO 100 K	SASSO 100 K OFFSET	SASSO 100 BALL	MITO 120	MITO FRAME 140	SASSO UP 100	TIMO 80	TIMO 80 LED	TIMO 80 FREE
												

HIT-TC-CE
G8,5

DM 75 Spot
HIT-TC-CE 35W G8,5
η : 71%
α= 10°

H [m]	ø [m]	Em [lux]
0,5	0,1	63000
1,0	0,2	15575
1,5	0,3	7000
2,0	0,4	3950

10200 cd/klm

DM 75 Medium
HIT-TC-CE 35W G8,5
η : 71%
α= 24°

H [m]	ø [m]	Em [lux]
0,5	0,1	14200
1,0	0,2	3600
1,5	0,3	1600
2,0	0,4	900

1830 cd/klm

DM 75 Flood
HIT-TC-CE 35W G8,5
η : 67%
α= 40°

H [m]	ø [m]	Em [lux]
0,5	0,1	14000
1,0	0,2	3500
1,5	0,3	1550
2,0	0,4	900

950 cd/klm

e² LED

DM 75 Spot
LED 7W
η= 91%
α= 17°

H [m]	ø [m]	Em [lux]
0,5	0,14	6170
1	0,27	1550
2	0,55	390
3	0,82	170

6605 cd/klm

DM 75 Medium
LED 7W
η= 91%
α= 24°

H [m]	ø [m]	Em [lux]
0,5	0,22	3100
1	0,43	780
2	0,86	193
3	1,29	86

3356 cd/klm

DM 75 Flood
LED 7W
η= 91%
α= 38°

H [m]	ø [m]	Em [lux]
0,5	0,35	1640
1	0,7	410
2	1,4	100
3	2,1	50

1780 cd/klm

e² LED

DM 75 Spot
LED 9W
η= 91%
α= 17°

H [m]	ø [m]	Em [lux]
0,5	0,14	8200
1	0,27	2050
2	0,55	510
3	0,82	230

6605 cd/klm

DM 75 Medium
LED 9W
η= 91%
α= 24°

H [m]	ø [m]	Em [lux]
0,5	0,22	4140
1	0,43	1030
2	0,86	260
3	1,29	110

3356 cd/klm

DM 75 Flood
LED 9W
η= 91%
α= 38°

H [m]	ø [m]	Em [lux]
0,5	0,35	2160
1	0,7	540
2	1,4	140
3	2,1	63

1780 cd/klm

e² LED

DM 75 Spot
LED 15W
η= 91%
α= 17°

H [m]	ø [m]	Em [lux]
0,5	0,14	14400
1	0,27	3600
2	0,55	900
3	0,82	400

6605 cd/klm

DM 75 Medium
LED 15W
η= 91%
α= 24°

H [m]	ø [m]	Em [lux]
0,5	0,22	7240
1	0,43	1810
2	0,86	450
3	1,29	200

3356 cd/klm

DM 75 Flood
LED 15W
η= 91%
α= 38°

H [m]	ø [m]	Em [lux]
0,5	0,35	3720
1	0,7	930
2	1,4	230
3	2,1	100

1780 cd/klm

Ø 106

	INVISIBLE ROUND 150	INVISIBLE RETRO 150	INVISIBLE SQUARE 150	BUBBLE 150	SASSO 150 K	SASSO 150 K OFFSET	SASSO 150 BALL	KICK ME	MITO 150 MITO FRAME 200	SASSO UP 150	BAT	TIMO 110 FREE	BEAM	STRAIGHT	TUBO MINI TUBO M ACRYL
															

HIT-CE G12

DM 106 Super Spot — HIT-CE 35W G12 — η : 81% — ∝ = 6°

H [m]	ø [m]	Em [lux]
1,0	0,1	32000
2,0	0,21	8000
3,0	0,31	4750
4,0	0,42	2800

35000 cd/klm

DM 106 Spot — HIT-CE 35W G12 — η : 77,8% — ∝ = 14°

H [m]	ø [m]	Em [lux]
1,0	0,21	13250
2,0	0,42	3200
3,0	0,63	1450
4,0	0,84	825

7000 cd/klm

DM 106 Medium — HIT-CE 35W G12 — η : 77,5% — ∝ = 24°

H [m]	ø [m]	Em [lux]
1,0	0,42	6350
2,0	0,85	1600
3,0	1,27	700
4,0	1,70	385

4900 cd/klm

DM 106 Flood — HIT-CE 35W G12 — η : 79,4% — ∝ = 40°

H [m]	ø [m]	Em [lux]
1,0	0,70	3150
2,0	1,45	800
3,0	2,16	345
4,0	2,90	190

2100 cd/klm

DM 106 Wide Flood — HIT-CE 35W G12 — η : 82% — ∝ = 60°

H [m]	ø [m]	Em [lux]
1,0	1,15	1100
2,0	2,31	250
3,0	3,46	110
4,0	4,62	60

1000 cd/klm

HIT-CE G12

DM 106 Super Spot — HIT-CE 70W G12 — η : 81% — ∝ = 6°

H [m]	ø [m]	Em [lux]
1,0	0,1	64000
2,0	0,21	16000
3,0	0,31	9500
4,0	0,42	5600

35000 cd/klm

DM 106 Spot — HIT-CE 70W G12 — η : 77,8% — ∝ = 14°

H [m]	ø [m]	Em [lux]
1,0	0,21	26500
2,0	0,42	6400
3,0	0,63	2900
4,0	0,84	1650

7000 cd/klm

DM 106 Medium — HIT-CE 70W G12 — η : 77,5% — ∝ = 24°

H [m]	ø [m]	Em [lux]
1,0	0,42	12700
2,0	0,85	3200
3,0	1,27	1400
4,0	1,70	770

4900 cd/klm

DM 106 Flood — HIT-CE 70W G12 — η : 79,4% — ∝ = 40°

H [m]	ø [m]	Em [lux]
1,0	0,70	6300
2,0	1,45	1600
3,0	2,16	690
4,0	2,90	380

2100 cd/klm

DM 106 Wide Flood — HIT-CE 70W G12 — η : 82% — ∝ = 60°

H [m]	ø [m]	Em [lux]
1,0	1,15	2200
2,0	2,31	500
3,0	3,46	220
4,0	4,62	120

1000 cd/klm

e² LED

DM 106 Spot — LED 35W — η= 90% — ∝= 17°

H [m]	ø [m]	Em [lux]
0,5	0,15	31000
1	0,3	7750
2	0,6	1940
3	0,9	860

5951 cd/klm

DM 106 Medium — LED 35W — η= 90% — ∝= 24°

H [m]	ø [m]	Em [lux]
0,5	0,25	14320
1	0,5	3580
2	1	900
3	1,5	400

2828 cd/klm

DM 106 Flood — LED 35W — η= 90% — ∝= 38°

H [m]	ø [m]	Em [lux]
0,5	0,37	8560
1	0,74	2140
2	1,47	535
3	2,21	240

1751 cd/klm

Ø 146

	TUBO	TUBO ACRYL
		

HIT-CE G12

DM 146 Super Spot — HIT-CE 35W G12 — η : 85% — ∝ = 6°

H [m]	ø [m]	Em [lux]
1,0	0,1	38000
2,0	0,21	11000
3,0	0,31	5500
4,0	0,42	2950

35000 cd/klm

DM 146 Spot — HIT-CE 35W G12 — η : 83,5% — ∝ = 14°

H [m]	ø [m]	Em [lux]
1,0	0,24	20000
2,0	0,5	4700
3,0	0,74	2100
4,0	0,98	1150

14000 cd/klm

DM 146 Medium — HIT-CE 35W G12 — η : 81,5% — ∝ = 24°

H [m]	ø [m]	Em [lux]
1,0	0,42	6250
2,0	0,85	1500
3,0	1,27	675
4,0	1,70	375

4000 cd/klm

DM 146 Flood — HIT-CE 35W G12 — η : 85% — ∝ = 40°

H [m]	ø [m]	Em [lux]
1,0	0,73	2700
2,0	1,45	700
3,0	2,18	290
4,0	2,91	160

2100 cd/klm

DM 146 Wide Flood — HIT-CE 35W G12 — η : 84,5% — ∝ = 60°

H [m]	ø [m]	Em [lux]
1,0	1,15	1150
2,0	2,31	275
3,0	3,46	120
4,0	4,62	70

1050 cd/klm

HIT-CE G12

DM 146 Super Spot — HIT-CE 70W G12 — η : 85% — ∝ = 6°

H [m]	ø [m]	Em [lux]
1,0	0,1	76000
2,0	0,21	22000
3,0	0,31	11000
4,0	0,42	5900

35000 cd/klm

DM 146 Spot — HIT-CE 70W G12 — η : 83,5% — ∝ = 14°

H [m]	ø [m]	Em [lux]
1,0	0,24	40000
2,0	0,5	9400
3,0	0,74	4200
4,0	0,98	2300

14000 cd/klm

DM 146 Medium — HIT-CE 70W G12 — η : 81,5% — ∝ = 24°

H [m]	ø [m]	Em [lux]
1,0	0,42	12500
2,0	0,85	3000
3,0	1,27	1350
4,0	1,70	750

4000 cd/klm

DM 146 Flood — HIT-CE 70W G12 — η : 85% — ∝ = 40°

H [m]	ø [m]	Em [lux]
1,0	0,73	5400
2,0	1,45	1400
3,0	2,18	580
4,0	2,91	320

2100 cd/klm

DM 146 Wide Flood — HIT-CE 70W G12 — η : 84,5% — ∝ = 60°

H [m]	ø [m]	Em [lux]
1,0	1,15	2300
2,0	2,31	550
3,0	3,46	240
4,0	4,62	140

1050 cd/klm

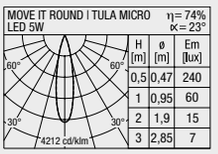
OVERVIEW led lenses

Ø 45

MOVE IT ROUND 45	MOVE IT ROUND 45 WW	TULA MICRO
		

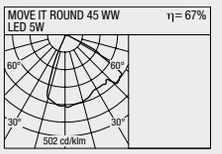
e² LED

MOVE IT ROUND | TULA MICRO — LED 5W — η= 74% — ∝= 23°



H [m]	ø [m]	Em [lux]
0,5	0,47	240
1	0,95	60
2	1,9	15
3	2,85	7

MOVE IT ROUND 45 WW — LED 5W — η= 67%

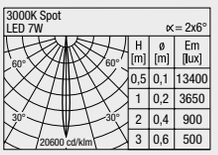


Ø 100

SASSO 100 K	SASSO 100 K OFFSET	SASSO 100 BALL	ADON 7
			

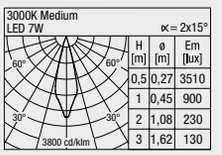
e² LED

3000K Spot — LED 7W — ∝= 2x6°



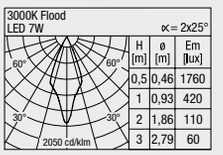
H [m]	ø [m]	Em [lux]
0,5	0,1	13400
1	0,2	3650
2	0,4	900
3	0,6	500

3000K Medium — LED 7W — ∝= 2x15°



H [m]	ø [m]	Em [lux]
0,5	0,27	3510
1	0,45	900
2	1,08	230
3	1,62	130

3000K Flood — LED 7W — ∝= 2x25°



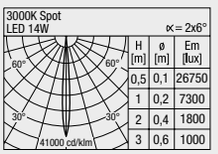
H [m]	ø [m]	Em [lux]
0,5	0,46	1760
1	0,93	420
2	1,86	110
3	2,79	60

Ø 150

SASSO 150 K	SASSO 150 K OFFSET	SASSO 150 BALL	KICK ME	ADON 12
				

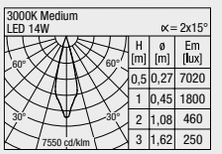
e² LED

3000K Spot — LED 14W — ∝= 2x6°



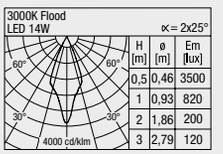
H [m]	ø [m]	Em [lux]
0,5	0,1	26750
1	0,2	7300
2	0,4	1800
3	0,6	1000

3000K Medium — LED 14W — ∝= 2x15°



H [m]	ø [m]	Em [lux]
0,5	0,27	7020
1	0,45	1800
2	1,08	460
3	1,62	250

3000K Flood — LED 14W — ∝= 2x25°



H [m]	ø [m]	Em [lux]
0,5	0,46	3500
1	0,93	820
2	1,86	200
3	2,79	120

CHAPTER 02

e² LED | **INVISIBLE ROUND 450** | Opal | η: 79% | 338 cd/klm
e² LED | **INVISIBLE ROUND 450** | Microprismatic | η: 80% | 463 cd/klm
T16-R 2GX13 | **INVISIBLE ROUND 450** | Opal | η: 46% | 183 cd/klm
T16-R 2GX13 | **INVISIBLE ROUND 450** | Microprismatic | η: 49% | 225 cd/klm
e² LED | **INVISIBLE SOFT 500** | Opal | η: 79% | 338 cd/klm

e² LED | **INVISIBLE SOFT 500** | Microprismatic | η: 80% | 463 cd/klm
TC-L 2G11 | **INVISIBLE SOFT 500** | Opal | η: 46% | 183 cd/klm
TC-L 2G11 | **INVISIBLE SOFT 500** | Microprismatic | η: 49% | 225 cd/klm
e² LED | **INVISIBLE RETRO 450** | Opal | η: 79% | 338 cd/klm
e² LED | **INVISIBLE RETRO 450** | Microprismatic | η: 80% | 463 cd/klm

T16-R 2GX13 | **INVISIBLE RETRO 450** | Opal | η: 46% | 183 cd/klm
T16-R 2GX13 | **INVISIBLE RETRO 450** | Microprismatic | η: 49% | 225 cd/klm
e² LED | **INVISIBLE SQUARE 450** | Opal | η: 79% | 338 cd/klm
e² LED | **INVISIBLE SQUARE 450** | Microprismatic | η: 80% | 463 cd/klm
T16-R 2GX13 | **INVISIBLE SQUARE 450** | Opal | η: 46% | 183 cd/klm

T16-R 2GX13 | **INVISIBLE SQUARE 450** | Microprismatic | η: 49% | 225 cd/klm
e² LED | **BUBBLE 450** | Opal | η: 79% | 338 cd/klm
e² LED | **BUBBLE 450** | Microprismatic | η: 80% | 463 cd/klm
T16-R 2GX13 | **BUBBLE 450** | Opal | η: 46% | 183 cd/klm
T16-R 2GX13 | **BUBBLE 450** | Microprismatic | η: 49% | 225 cd/klm

e² LED | **MENO ROUND 450** | Opal | η: 80% | 303 cd/klm
e² LED | **MENO ROUND 450** | Microprismatic | η: 80% | 443 cd/klm
T16-R 2GX13 | **MENO ROUND 450** | Opal | η: 49% | 194 cd/klm
T16-R 2GX13 | **MENO ROUND 450** | Microprismatic | η: 50% | 225 cd/klm
e² LED | **MENO TRIANGLE 500** | Opal | η: 80% | 303 cd/klm

e² LED | **MENO TRIANGLE 500** | Microprismatic | η: 80% | 443 cd/klm
T16-R 2GX13 | **MENO TRIANGLE 500** | Opal | η: 49% | 194 cd/klm
T16-R 2GX13 | **MENO TRIANGLE 500** | Microprismatic | η: 50% | 225 cd/klm
e² LED | **MENO SOFT 500** | Opal | η: 80% | 303 cd/klm
e² LED | **MENO SOFT 500** | Microprismatic | η: 80% | 443 cd/klm

TC-L 2G11 | **MENO SOFT 500** | Opal | η: 49% | 194 cd/klm
TC-L 2G11 | **MENO SOFT 500** | Microprismatic | η: 50% | 225 cd/klm
e² LED | **MENO RETRO 450** | Opal | η: 80% | 303 cd/klm
e² LED | **MENO RETRO 450** | Microprismatic | η: 80% | 443 cd/klm
T16-R 2GX13 | **MENO RETRO 450** | Opal | η: 49% | 194 cd/klm

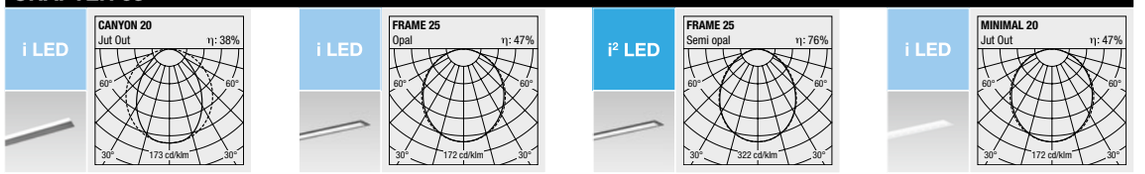
T16-R 2GX13 | **MENO RETRO 450** | Microprismatic | η: 50% | 225 cd/klm
e² LED | **MENO SQUARE 450** | Opal | η: 80% | 303 cd/klm
e² LED | **MENO SQUARE 450** | Microprismatic | η: 80% | 443 cd/klm
T16-R 2GX13 | **MENO SQUARE 450** | Opal | η: 49% | 194 cd/klm
T16-R 2GX13 | **MENO SQUARE 450** | Microprismatic | η: 50% | 225 cd/klm

e² LED | **COMBO ROUND 450** | Opal | η: 80% | 303 cd/klm
e² LED | **COMBO ROUND 450** | Microprismatic | η: 80% | 443 cd/klm
T16-R 2GX13 | **COMBO ROUND 450** | Opal | η: 49% | 194 cd/klm
T16-R 2GX13 | **COMBO ROUND 450** | Microprismatic | η: 50% | 225 cd/klm
e² LED | **COMBO SQUARE 450** | Opal | η: 80% | 303 cd/klm

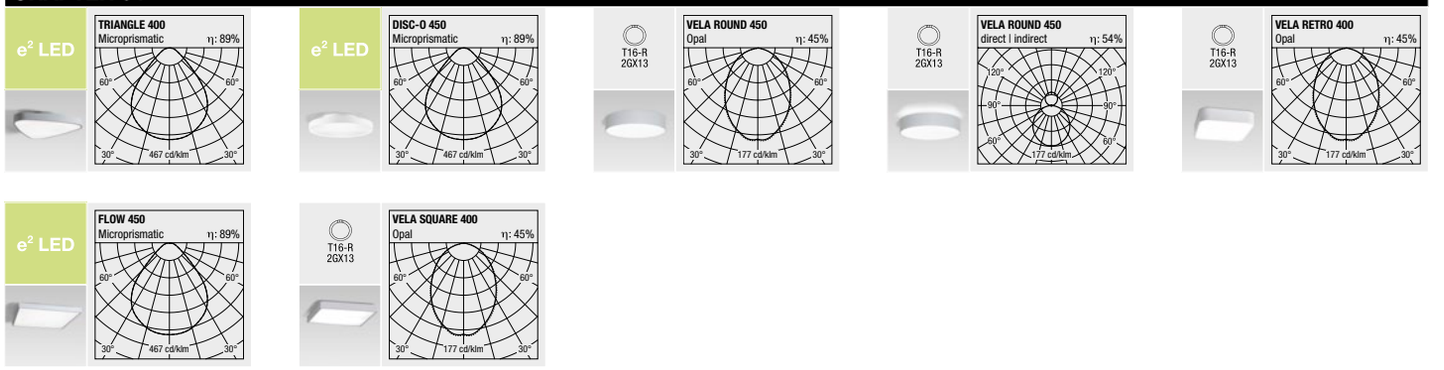
e² LED | **COMBO SQUARE 450** | Microprismatic | η: 80% | 443 cd/klm
T16-R 2GX13 | **COMBO SQUARE 450** | Opal | η: 49% | 194 cd/klm
T16-R 2GX13 | **COMBO SQUARE 450** | Microprismatic | η: 50% | 225 cd/klm
T16 G5 | **VELA 900** | η: 49% | 177 cd/klm

OVERVIEW chapters

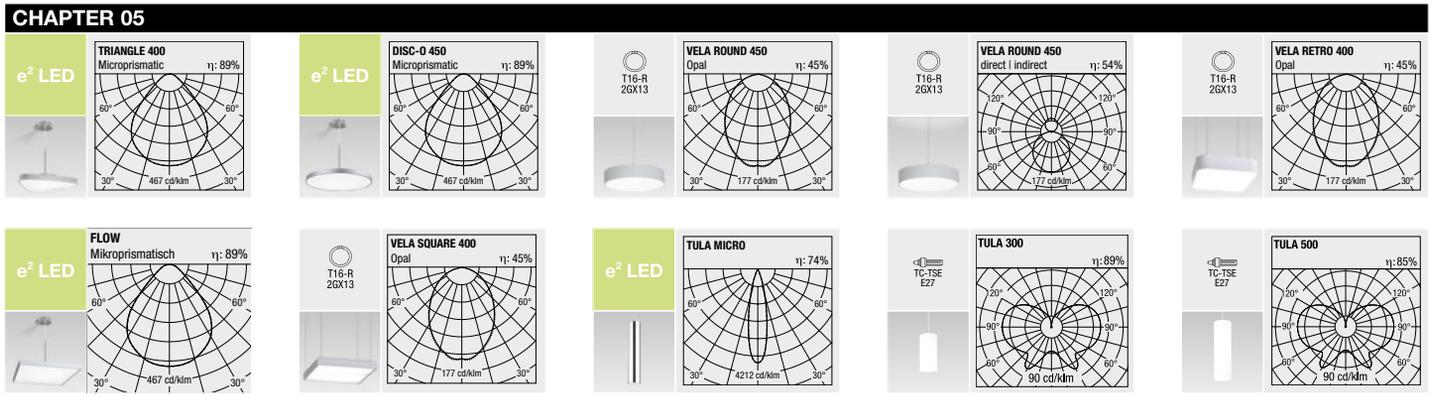
CHAPTER 03



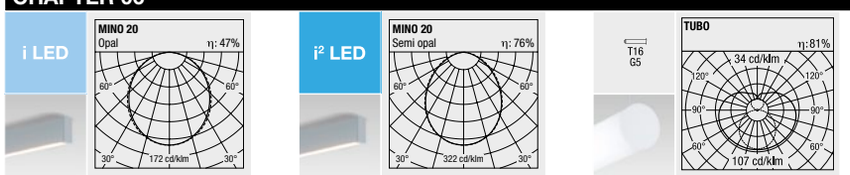
CHAPTER 04



CHAPTER 05



CHAPTER 06



i The photometric data is depicted in one size each in place of a luminaire series.
Further photometric data can be found in the RELUX- or DIALux database (DIALux starting 10/2011).

CHAPTER 08

i LED
CORNER MINI 920 η: 79%
185 cd/klm

T16 G5
CORNER 65 η: 62%
145 cd/klm

i LED
STRETTA MINI 900 η: 91%
159 cd/klm

T16 G5
STRETTA opal η: 82,3%
160 cd/klm
160 cd/klm

T16 G5
STRETTA clear η: 87%
160 cd/klm
160 cd/klm

e² LED
LINO η: 68%
183 cd/klm

T16 G5
LIN EVO η: 45,7%
200 cd/klm
200 cd/klm

T16-R 2GX13
SQUADRO 400 η: 59,3%
22 cd/klm

QT-DE 11/12 R7s
CUBU indirect η: 45,3%
100 cd/klm

QT-DE 11/12 R7s
CUBU direct/indirect η: 57,3%
120 cd/klm
120 cd/klm

e² LED
MARA LED DIREKT η: 70%
384 cd/klm

e² LED
MARA LED DIREKT I INDIREKT η: 68%
183 cd/klm

QT-DE 11/12 R7s
MARA INDIREKT η: 67%
362 cd/klm

QT-DE 11/12 R7s
MARA DIREKT I INDIREKT η: 75%
233 cd/klm

QT-DE 11/12 R7s
WAVE η: 70%
305 cd/klm

T16 G5
SUPERWAVE η: 58%
215 cd/klm

e² LED
LARO η: 87%
587 cd/klm

CHAPTER 09

QT12-LP GY6,35
STRAIGHT WALLWASHER η: 74%
465 cd/klm

T16 G5
STRAIGHT WALLWASHER T16 η: 100%
590 cd/klm

CHAPTER 10

HIT-TC-CE G8,5
WALL MINI η: 55%
589 cd/klm

T16 G5
MINIMAL 100 WALLWASHER η: 68%
500 cd/klm

T16 G5
FRAME 120 WALLWASHER η: 68%
500 cd/klm

QT12-LP GY6,35
VAGA 80Q η: 6,9%
200 cd/klm

QR-CBC51 GU5,3
VAGA 80R η: 66 %
200 cd/klm

TC-D G24d-...
VAGA 245 η: 23,6%
200 cd/klm

QT-DE 11/12 R7s
VAGA 245 η: 27,1%
200 cd/klm

HIT-DE RX7s
VAGA 245 η: 35,9%
200 cd/klm

TC-D G24d-...
VAGA 370 η: 25,4%
200 cd/klm

QT-DE 11/12 R7s
VAGA 370 η: 28,7%
200 cd/klm

HIT-DE RX7s
VAGA 370 η: 42%
200 cd/klm