



Product Description

MASTERLine ES

MASTER dichroic coated low-voltage halogen reflector lamp with EcoBoost technology Most energy-efficient dichroic lamp on the market

Benefits

- Lowest possible energy and maintenance costs while maintaining light levels. Lowest possible heat production
- Designed to replace standard and high end dichroic reflector lamps leading to savings in energy costs of up to 40% compared to standard dichroics
- Increased comfort and (where applicable) lower cooling costs because of up to 40% lower heat transmission
- Up to 66% more lifetime compared to standard conventional halogen dichroics (5000 hours)
- Lowest UV output for a dichroic lamp reduces fading risks to absolute minimum

Features

- Unique Philips patented infrared-coated single-ended burner by using EcoBoost technology with 40% higher efficiency than standard products
- Heat-reflecting coating on the inner lamp burner reflects waste heat back to the filament so less energy is needed to operate the lamp
- Revolutionary compact and precision-shaped single-ended burner and high-performance coating for maximum lamp performance
- Bright, sparkling white halogen light
- Excellent colour rendering
- Extreme long average rated life
- GU5.3 base for extra retention in luminaire
- Complex reflector design for excellent beam performance
- Range of energy saving wattages designed to replace the higher standard wattages

Application

- Accent and general lighting applications in homes, shops, hotels and restaurants, where energy efficiency and low maintenance are important and especially in art galleries, museums and exhibitions

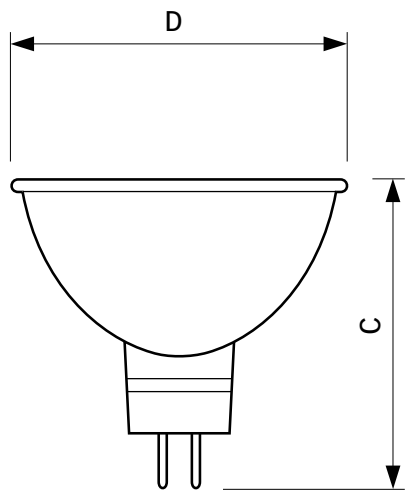
PHILIPS

Related products



GU5.3, MR16

Dimensional drawing



GU5.3, MR16

MLES 18139 35W GU5.3 12V MR16 24D

Product	D	C1
MASTERLine ES 35W GU5.3 12V 24D 1CT/4X5F	51 mm	50.5 mm

General Information

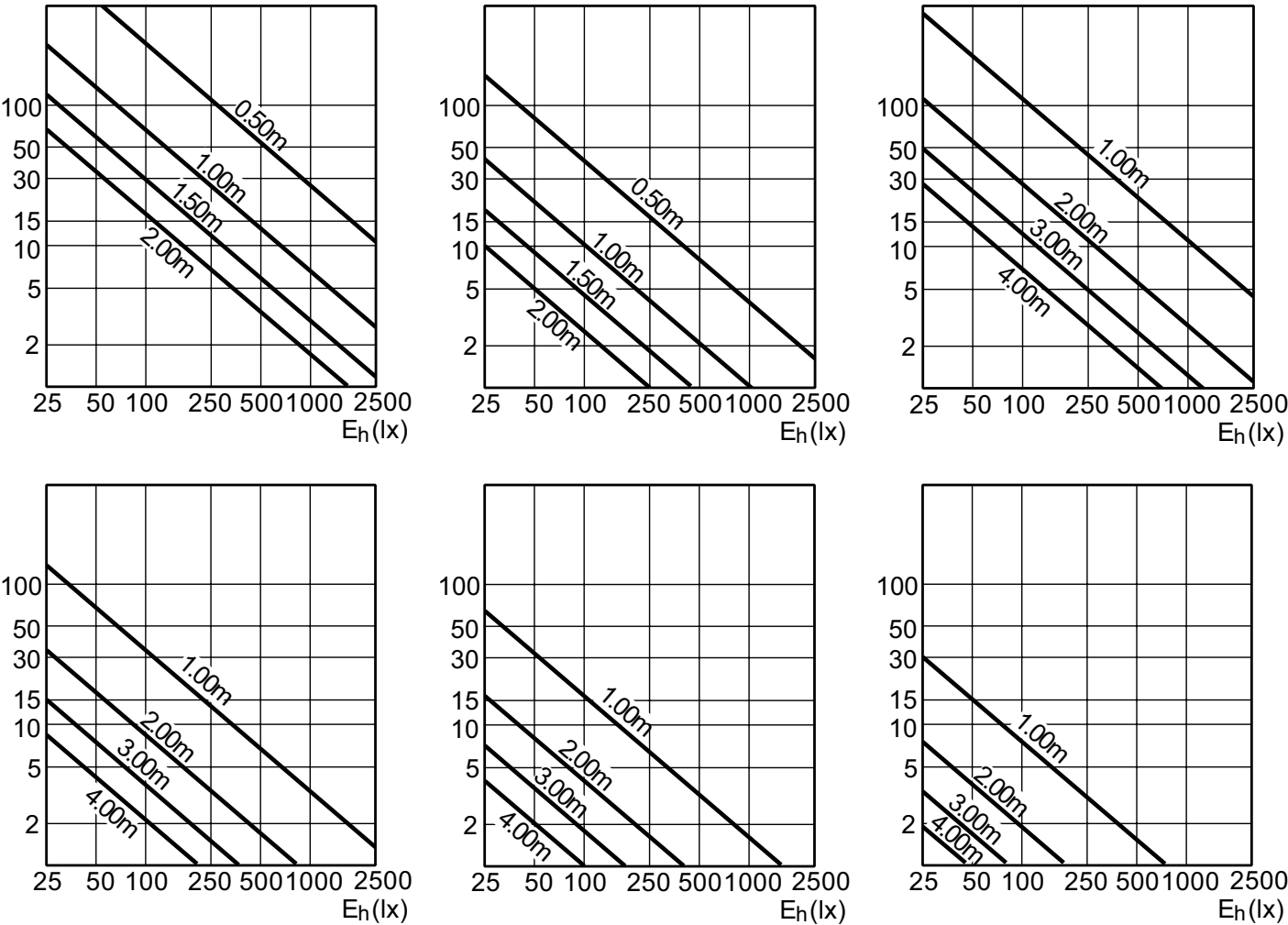
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41367371	MR16	GU5.3	5000	UNIVERSAL	18133
41370371	MR16	GU5.3	5000	UNIVERSAL	18134
41375871	MR16	GU5.3	5000	UNIVERSAL	18135
41378971	MR16	GU5.3	5000	UNIVERSAL	18136
41382671	MR16	GU5.3	5000	UNIVERSAL	18137
41387171	MR16	GU5.3	5000	UNIVERSAL	18138
41397071	MR16	GU5.3	5000	UNIVERSAL	18139

order code	Bulb Shape	Cap-Base	Nominal Lifetime (Nom)	Operating Position	Philips Code
42432771	MR16	GU5.3	5000	UNIVERSAL	18140
42435871	MR16	GU5.3	5000	UNIVERSAL	18141
42438971	MR16	GU5.3	5000	UNIVERSAL	18142
42441971	MR16	GU5.3	5000	UNIVERSAL	18143
42444071	MR16	GU5.3	5000	UNIVERSAL	18144
42447171	MR16	GU5.3	5000	UNIVERSAL	18145

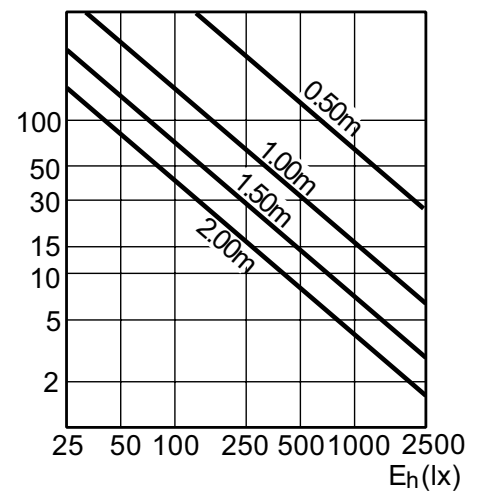
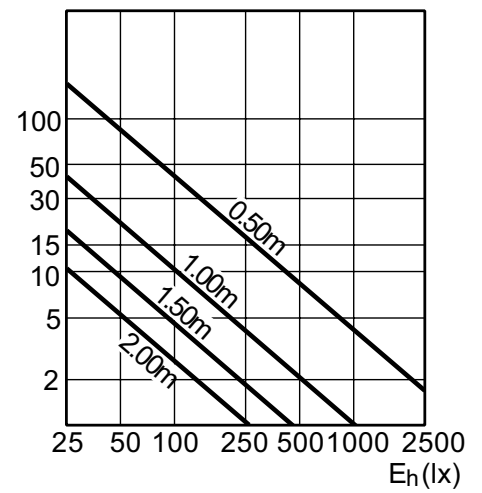
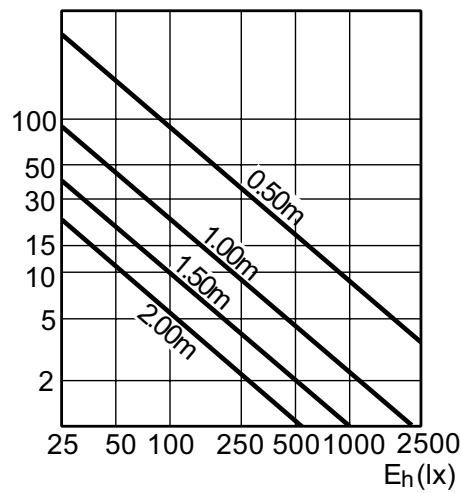
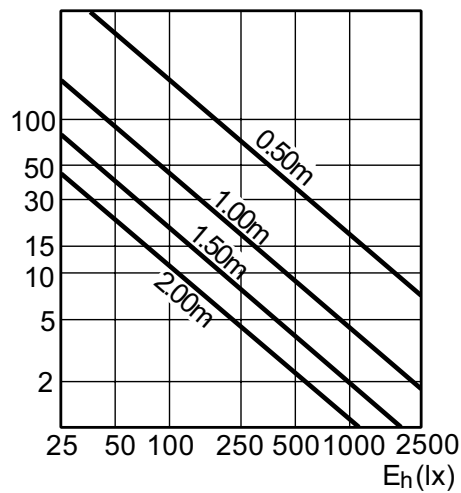
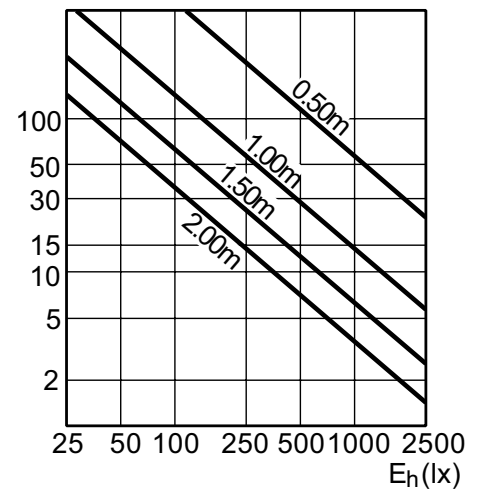
Light Technical

order code	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Limf At End Of Nominal Lifetime (Min)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)	Rated Beam Angle
41364271	8	3000	100	80	275	6000	8
41367371	36	3000	100	80	300	1000	36
41370371	8	3000	100	80	524	11000	8
41375871	24	3000	100	80	540	3150	24
41378971	36	3000	100	80	540	1600	36
41382671	60	3000	100	80	540	750	60
41387171	8	3000	100	80	575	12500	8
41397071	24	3000	100	80	640	4100	24
42432771	36	3000	100	80	640	2200	36
42435871	60	3000	100	80	640	1050	60
42438971	8	3000	100	80	625	15000	8
42441971	24	3000	100	80	830	5300	24
42444071	36	3000	100	80	830	2850	36
42447171	60	3000	100	80	830	1300	60

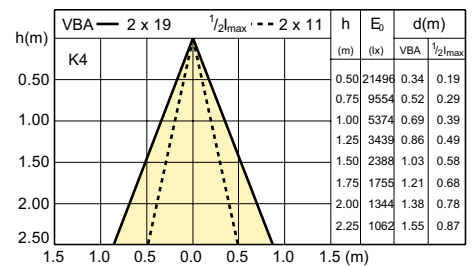
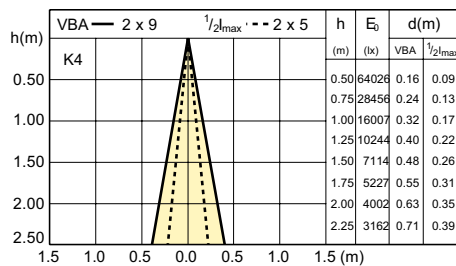
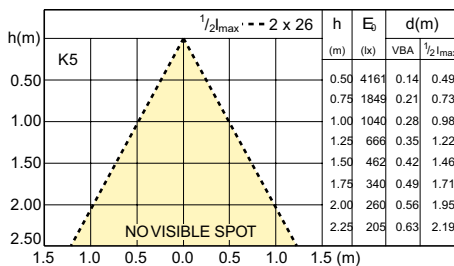
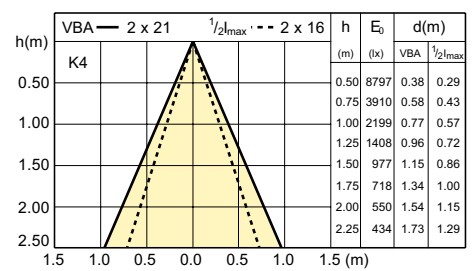
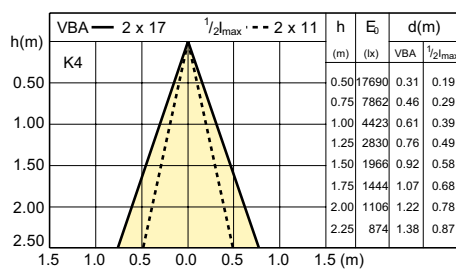
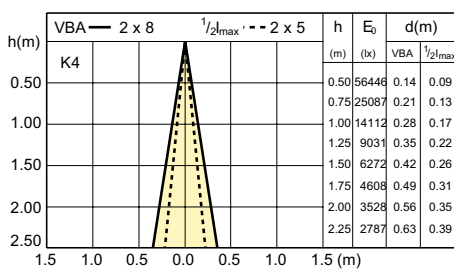
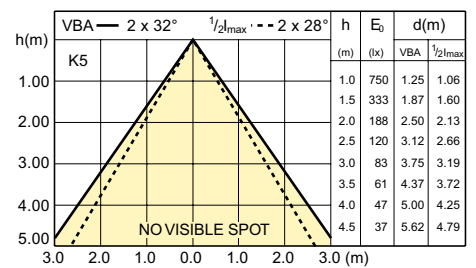
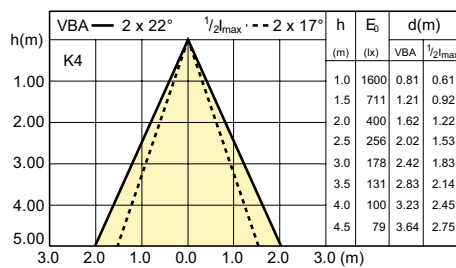
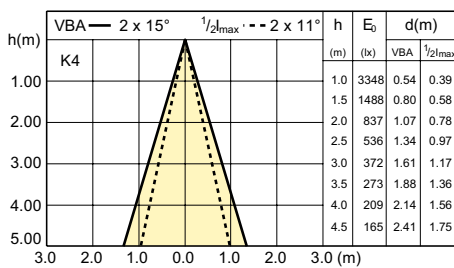
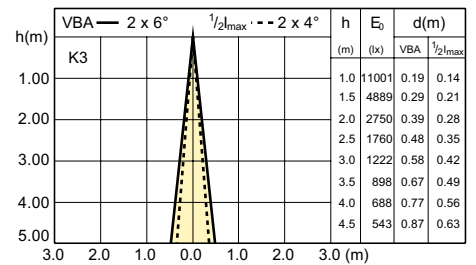
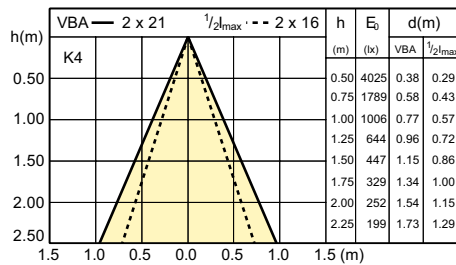
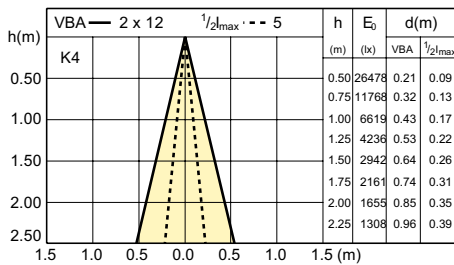
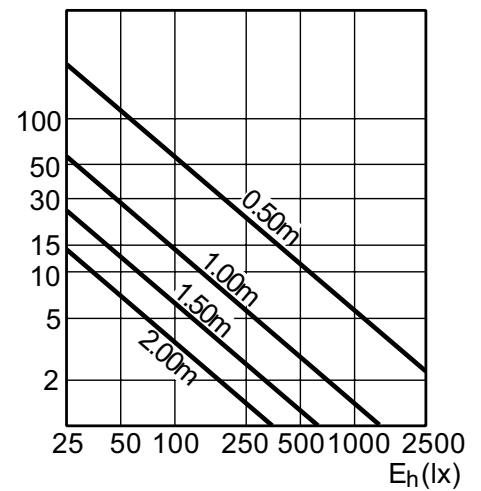
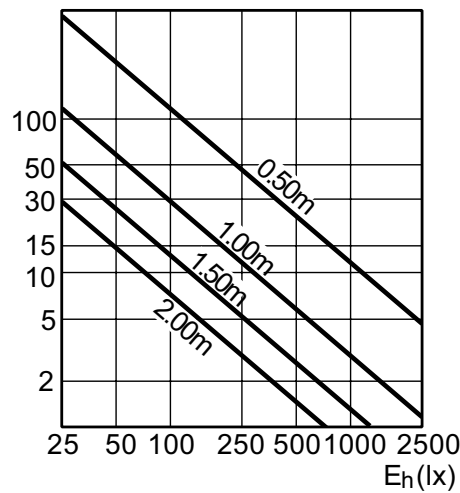
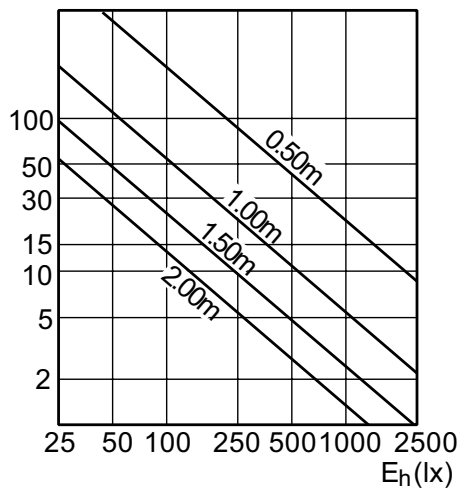
Light technical



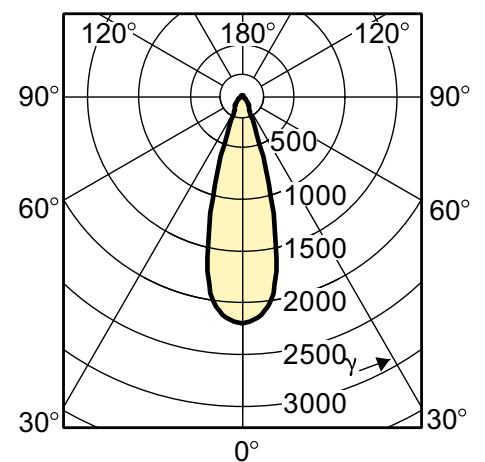
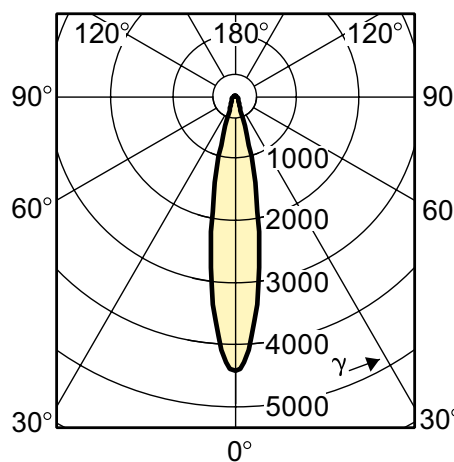
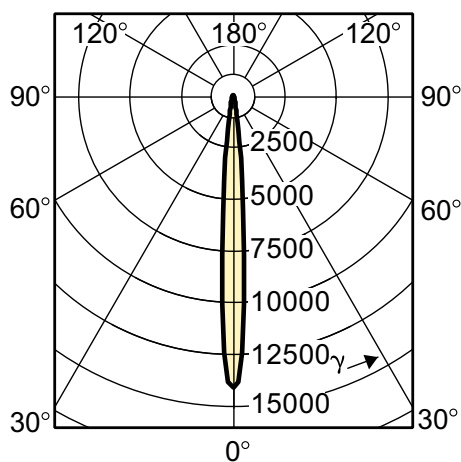
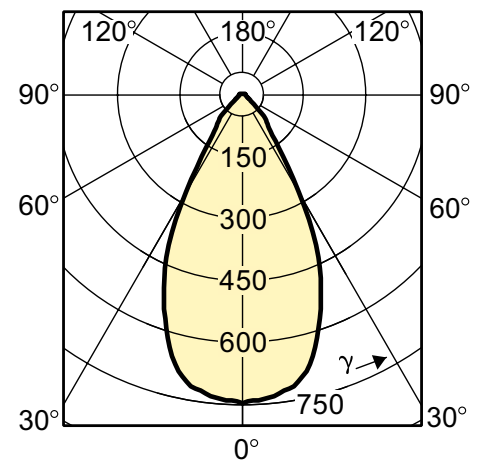
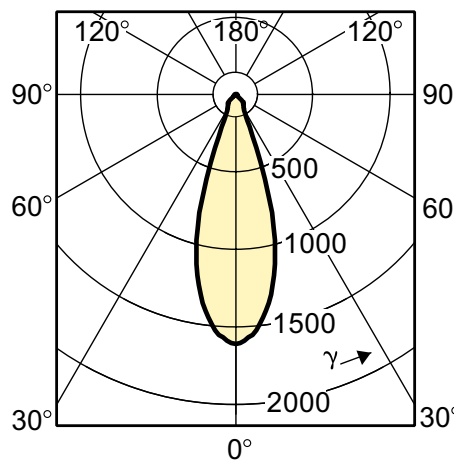
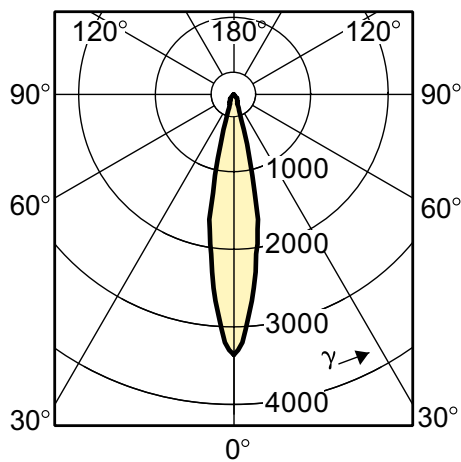
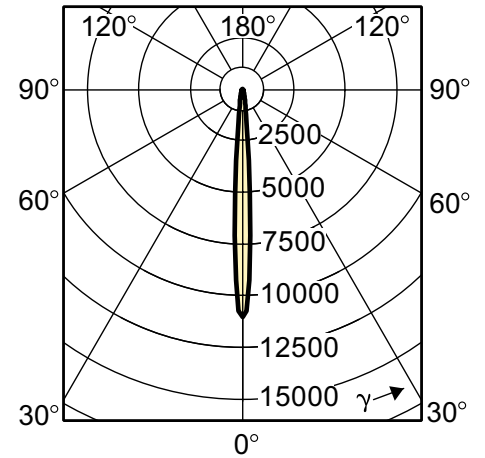
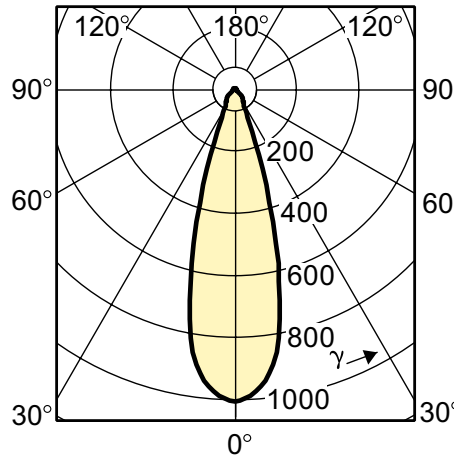
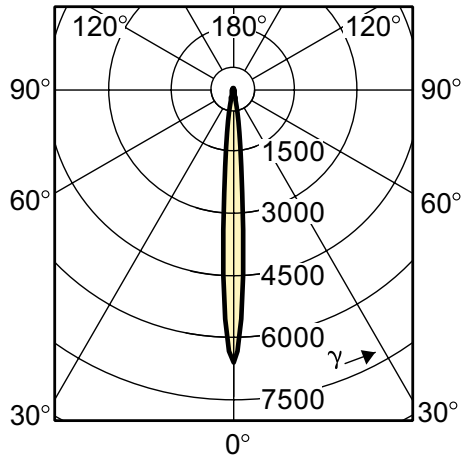
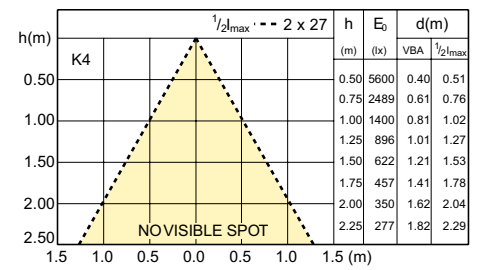
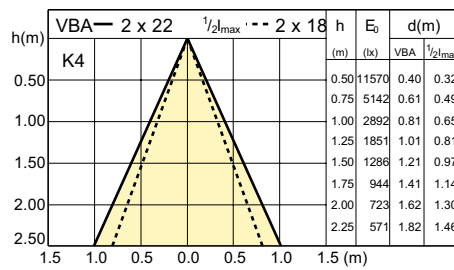
Light technical



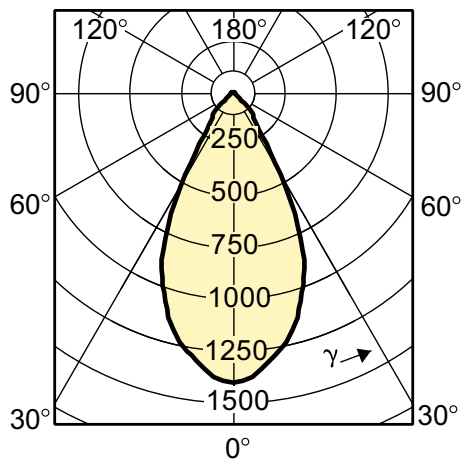
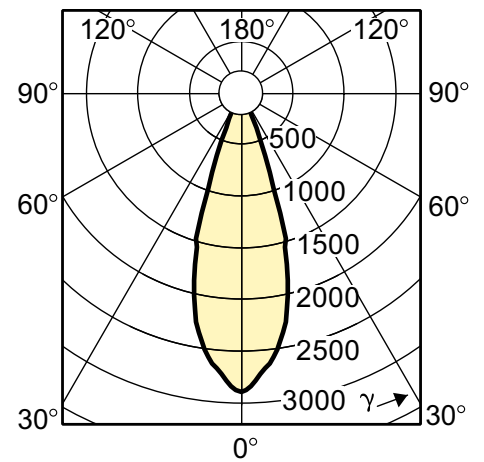
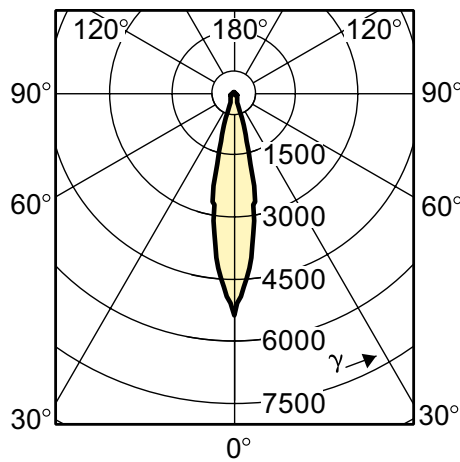
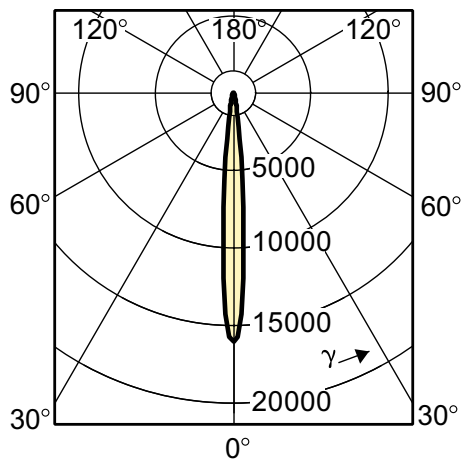
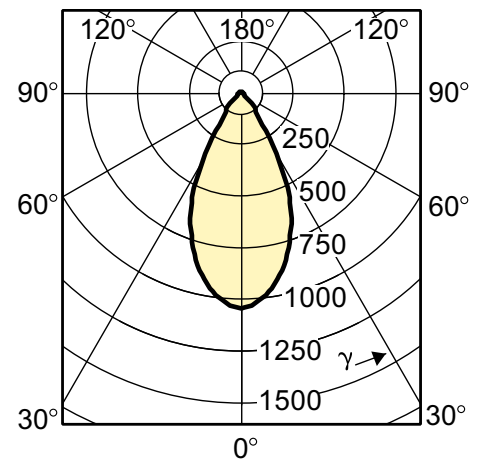
Light technical



Light technical



Light technical



Operating and Electrical

order code	Lamp Current (Nom)	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)	Warm Up Time To 60% Light (Nom)
41364271	-	12	32	20.0	0.0	instant full light
41367371	2	12	35	20.0	0.0	instant full light
41370371	3	12	49	30.0	0.0	instant full light
41375871	3	12	50	30.0	0.0	instant full light

order code	Lamp Current (Nom)	Voltage (Nom)	Wattage Equivalent	Power (Rated) (Nom)	Starting Time (Nom)	Warm Up Time To 60% Light (Nom)
41378971	3	12	50	30.0	0.0	instant full light
41382671	3	12	50	30.0	0.0	instant full light
41387171	2.92	12	52	35.0	0.0	instant full light
41397071	2.92	12	56	35.0	0.0	instant full light
42432771	2.92	12	56	35.0	0.0	instant full light
42435871	2.92	12	56	35.0	0.0	instant full light
42438971	3.75	12	55	45.0	0.0	instant full light
42441971	3.75	12	68	45.0	0.0	instant full light
42444071	3.75	12	68	45.0	0.0	instant full light
42447171	3.75	12	68	45.0	0.0	instant full light

Approval and Application

order code	Energy Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
41364271	21	B
41367371	21	B
41370371	32	B
41375871	32	B
41378971	32	B
41382671	32	B
41387171	37	B
41397071	37	B
42432771	37	B
42435871	37	B
42438971	48	B
42441971	48	B
42444071	48	B
42447171	48	B

Luminaire Design Requirements

order code	Bulb Temperature (Max)
41364271	350
41367371	250
41370371	380
41375871	380
41378971	380
41382671	380
41387171	380
41397071	380
42432771	380
42435871	380
42438971	410
42441971	410
42444071	410
42447171	410



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2016, October 20
data subject to change